General Surgery
Allgemeine Chirurgie
Cirugía general
Chirurgie générale
Chirurgia generale



TONTARRA Medizintechnik GmbH

TONTARRA Medizintechnik GmbH





YOUR SPECIALIST IN THE WORLD CENTER OF MEDICAL TECHNOLOGY

For more than 60 years “made by TONTARRA, Germany” is a synonym for state-of-the-art surgical and endoscopic instruments and equipment of high quality and precision. The success of TONTARRA derives from innovation, commitment and a strong focus on our continuing tradition.
A product range with over 20.000 articles is distributed worldwide under our own brand as well as OEM. Indispensable ‘tools’ for maturing a new idea into the surgical instrument of highest precision include our state-of-the-art manufacturing facility with 6.000 m², the ingenuity and strong commitment of our entire team of technicians and skilled workers and a location which for more than 100 years has been the very world center – with a high manufacturing penetration – for developing and producing all types of innovative and patient-oriented surgical instrumentation for distinguished physicians across the globe.

+ 60
years of experience

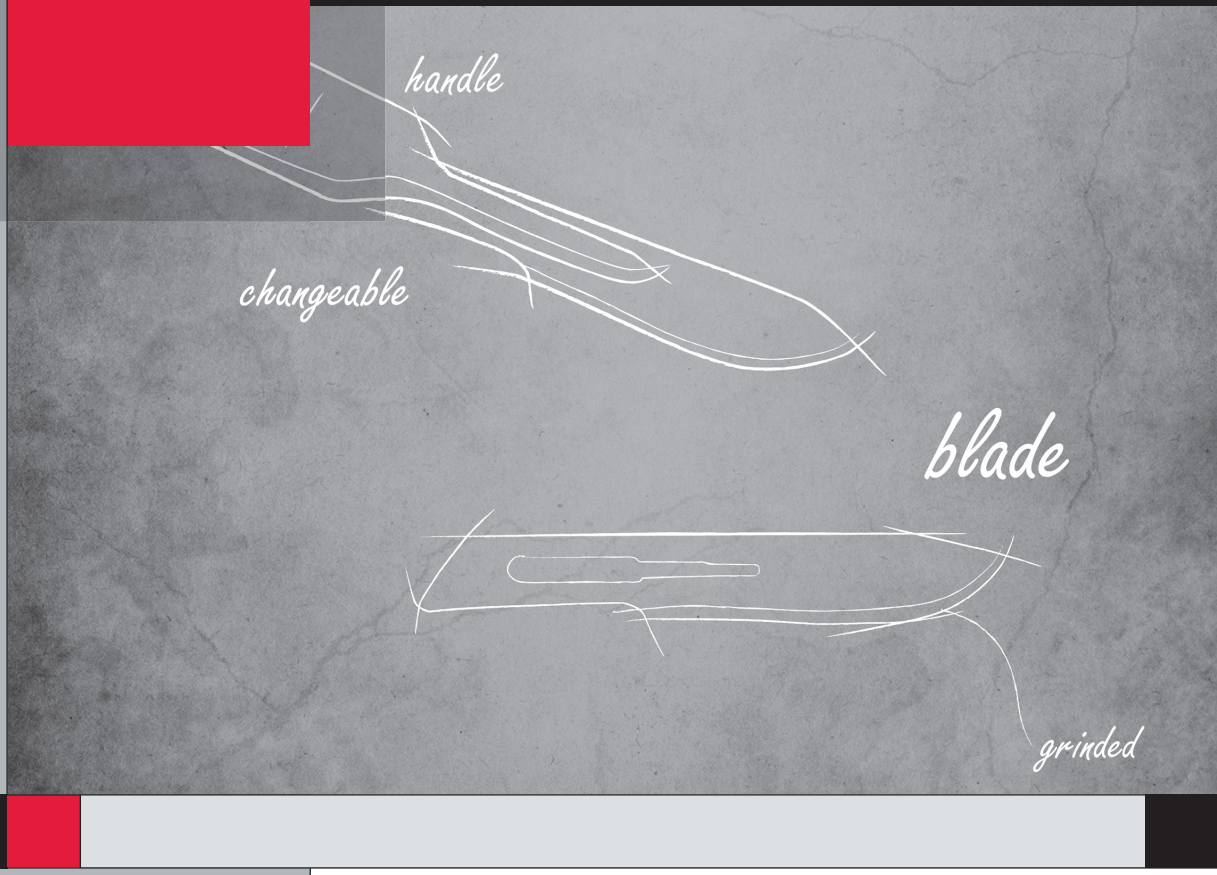
+ 140
skilled employees

+ 20.000
upmarket products

▶ Get more insights in our company video (YouTube)

TONTARRA

OPEN SURGERY



Skalpelle; Messer

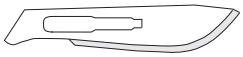
Scalpels; Knives

Bisturís; Cuchillos

Bistouris; Couteaux

Bisturi; Coltelli

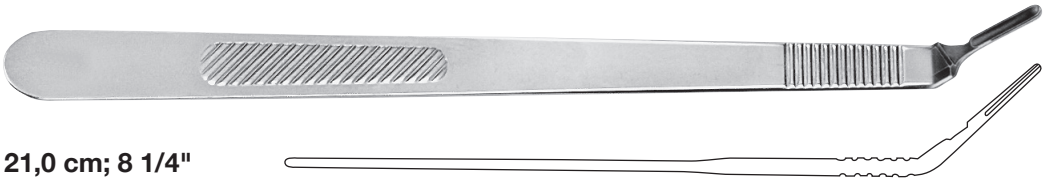
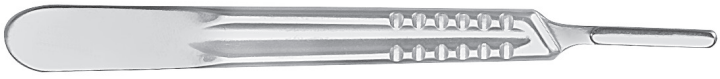
003

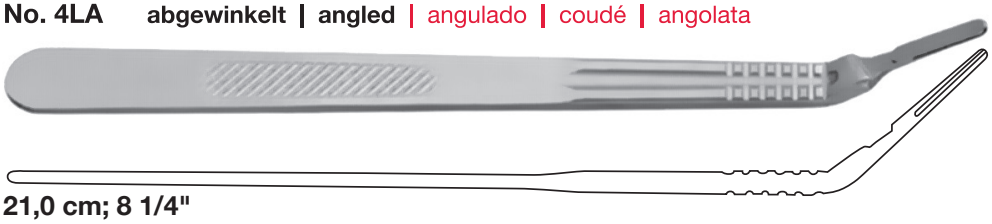
Art.Nr.	Beschreibung | *Description*				
	in Packungen zu 100 Stück | in packages of 100 pieces en paquetes de 100 piezas | en boîte de 100 pièces | in confezione da 100 pezzi				**STERIL**
003-020-10	Fig. 10				
003-020-11	Fig. 11		003-020-21	Fig. 21	
003-020-12	Fig. 12		003-020-22	Fig. 22	
003-020-15	Fig. 15		003-020-23	Fig. 23	
003-020-18	Fig. 18		003-020-24	Fig. 24	
003-020-19	Fig. 19				
003-020-20	Fig. 20				

Verpackung - Etikett | Packing - Label

Tontarra Medizintechnik GmbH ist nicht der Hersteller der aufgeführten Skalpellklingen.
Sie erhalten das Labeling des Originalherstellers.

Tontarra Medizintechnik GmbH is not the manufacturer of the illustrated scalpel blades.
You will receive the product with the labeling of the original manufacturer.

Art.Nr.	Beschreibung | *Description*	
	No. 3	Fig. 10 - 15C
		
003-003-00	**12,5 cm; 5"**	
	No. 3	**mit cm Graduierung** **with cm graduation** graduado en cm gradué en cm graduato in cm Fig. 10 - 15C
		
003-003-01	**12,5 cm; 5"**	
	No. 3L	Fig. 10 - 15C
		
003-003-02	**21,0 cm; 8 1/4"**	
	No. 3LA **abgewinkelt | angled** | angulado | coudé | angolata	Fig. 10 - 15C
		
003-003-05	**21,0 cm; 8 1/4"**	
	No. 4	Fig. 18 - 24
		
003-004-00	**13,5 cm; 5 3/8"**	
	No. 4L	Fig. 18 - 24
		
003-004-01	**21,0 cm; 8 1/4"**	

Art.Nr.	Beschreibung | *Description*	
	No. 4LA **abgewinkelt | angled** | angulado | coudé | angolata 	Fig. 18 - 24 
003-004-05	21,0 cm; 8 1/4"	
	No. 7 	Fig. 10 - 15C 
003-007-00	16,5 cm; 6 1/2"	
	No. 7K 	Fig. 10 - 15C 
003-007-01	12,5 cm; 5"	
	No. 3 	Fig. 10 - 15C 
003-010-16	14,5 cm; 5 3/4"	

Art.Nr.	Beschreibung | *Description*
	No. 3A **abgewinkelt | angled** | angulado | coudé | angolata
003-011-16	**14,5 cm; 5 3/4"**





Fig. 10 - 15C



Art.Nr.	Beschreibung | *Description*
	MICRO
	
003-030-13	**13,0 cm; 5 1/8"**
	MICRO
	
003-030-15	**15,5 cm; 6 1/8"**
	LANDOLT
	
003-033-21	**21,0 cm; 8 1/4"**
	LANDOLT
	
003-035-25	**25,0 cm; 10"**
	MICRO
	
003-040-00	**13,5 cm; 5 1/4"**

Klingenhalter; Klingenbrecher; Rasierklingen
Blade Holders; Blade Breakers; Razor Blades
Pinzas para sujetar y romper hojas de afeitar; Hojas de afeitar
Pincettes pour tenir et casser les lames de rasoir; Lames de rasoir
Pinze per afferrare e rompere le lamette del rasoio; Lamette de rasoio

Art.Nr.	Beschreibung | *Description*
	Rasierklingen; brechbar **Razor blades; breakable** Hojas de afeitar; rompibles Lames de rasoir; réfangible Lamette di rasoio; rifrangibili
003-510-10	**in Packungen zu 10 Stück | in packages of 10 pieces** en paquetes de 10 piezas | en boîte de 10 pièce | scatola da 10 pezzi

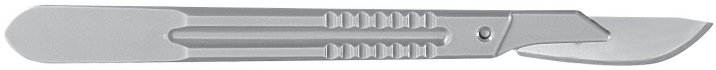
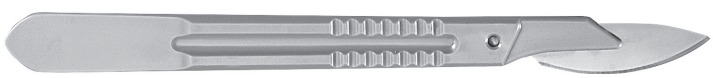


Art.Nr.	Beschreibung | *Description*	
	in Packungen zu 10 Stück | in packages of 10 pieces en paquetes de 10 piezas | en boîte de 10 pièces | in confezione da 10 pezzi	**STERIL**
003-050-10	**Fig. 10**	
003-050-11	**Fig. 11**	
003-050-12	**Fig. 12**	
003-050-15	**Fig. 15**	

Verpackung - Etikett | Packing - Label

Tontarra Medizintechnik GmbH ist nicht der Hersteller der Lieferung aufgeführten Einmalskalpelle.
Sie erhalten das Labeling des Originalherstellers.

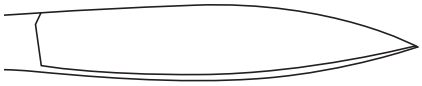
Tontarra Medizintechnik GmbH is not the manufacturer of the illustrated disposable scalpels.
You will receive the product with the labeling of the original manufacturer.

Art.Nr.	Beschreibung | *Description*	
	in Packungen zu 10 Stück | in packages of 10 pieces en paquetes de 10 piezas | en boîte de 10 pièces | in confezione da 10 pezzi	**STERIL**
003-050-18	**Fig. 18**	
003-050-19	**Fig. 19**	
003-050-20	**Fig. 20**	
003-050-21	**Fig. 21**	
003-050-22	**Fig. 22**	
003-050-23	**Fig. 23**	
003-050-24	**Fig. 24**	

Verpackung - Etikett | Packing - Label

Tontarra Medizintechnik GmbH ist nicht der Hersteller der Lieferung aufgeführten Einmalskalpelle.
Sie erhalten das Labeling des Originalherstellers.

Tontarra Medizintechnik GmbH is not the manufacturer of the illustrated disposable scalpels.
You will receive the product with the labeling of the original manufacturer.

Art.Nr.	Beschreibung | *Description*		
	DISSECTING		
			
003-070-01	Fig. 1	15,0 cm; 6"	
003-070-02	Fig. 2	15,0 cm; 6"	
003-070-03	Fig. 3	15,5 cm; 6 1/8"	
003-070-04	Fig. 4	16,0 cm; 6 1/4"	
003-070-05	Fig. 5	16,0 cm; 6 1/4"	
	DISSECTING		
			
003-070-06	Fig. 6	15,0 cm; 6"	
003-070-07	Fig. 7	15,0 cm; 6"	
003-070-08	Fig. 8	16,0 cm; 6 1/4"	
003-070-09	Fig. 9	16,0 cm; 6 1/4"	
003-070-10	Fig. 10	17,0 cm; 6 3/4"	

Art.Nr.	Beschreibung | *Description*
	LISTON



003-080-13	**26,0 cm; 10 1/4"**



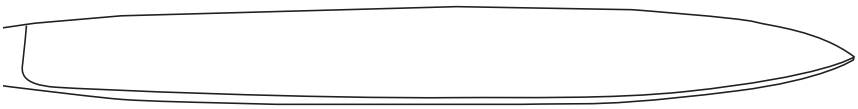
003-080-16	**29,0 cm; 11 1/4**



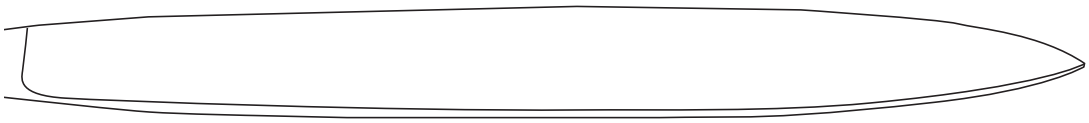
003-080-19	**32,0 cm; 12 1/2"**



003-080-22	**35,0 cm; 13 3/4"**



003-080-28	**41,0 cm; 16"**

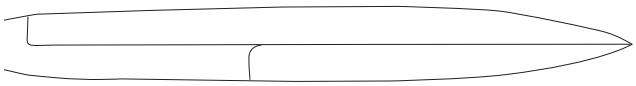
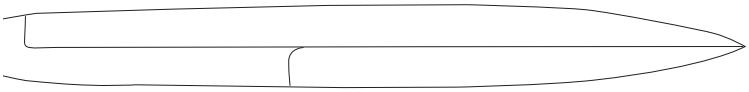


Amputationsmesser; Messer für Autopsie
Amputation Knives; Post Mortem Knives
Cuchillos para amputación; Cuchillos para autopsia
Couteaux à amputation; Couteaux à autopsie
Coltelli per amputazione; Coltello per autopsia

Art.Nr.	Beschreibung | *Description*

CATLIN

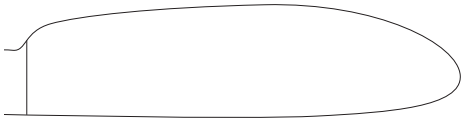
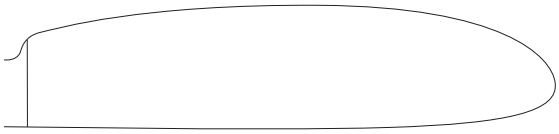
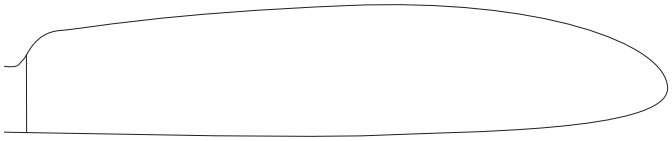


003-082-16	29,0 cm; 11 1/4"	
003-082-19	32,5 cm; 12 3/4"	

WALB

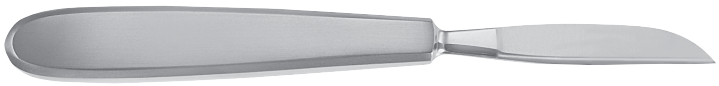
mit Holzheft | with wooden handle |
con mango de madera | avec manche en bois | con manico in legno



003-150-11	26,0 cm; 10 1/4"	
003-150-14	29,0 cm; 11 1/2"	
003-150-17	31,0 cm; 12 1/4"	

Art.Nr.	Beschreibung | *Description*

LANGENBECK

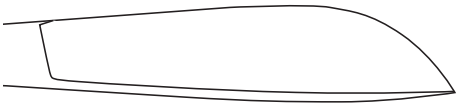




003-105-55 **18,0 cm; 7"**

CARTILAGE





003-110-65 **17,5 cm; 6 5/8"**

Resektionsmesser; Seziermesser
Resection Knives; Autopsy Knives
Cuchillos para resección y autopsia
Couteaux à résection et de dissection
Coltelli per resezione e per autopsia

Art.Nr.	Beschreibung | *Description*

mit Holzheft | with wooden handle
con mango de madera | avec manche en bois | con manico in legno



003-154-10 **25,5 cm; 10"**

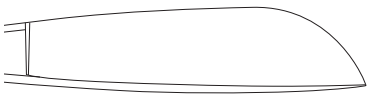


VIRCHOW

mit Holzheft | with wooden handle
con mango de madera | avec manche en bois | con manico in legno



003-156-08 **25,0 cm; 10"**



LANGENBECK



003-280-12 **24,0 cm; 9 1/2"**



Art.Nr.	Beschreibung | *Description*

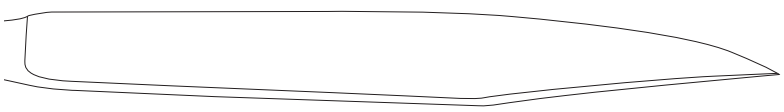
VIRCHOW



003-180-16	26,0 cm; 10 1/4"	
003-180-20	33,5 cm; 13 1/4"	
003-180-24	38,0 cm; 15"	

LISTON



003-250-17	30,0 cm; 11 3/4"	
003-250-20	34,0 cm; 13 1/3"	

Art.Nr.	Beschreibung | *Description*
	SILVER
	
003-400-19	**19,0 cm; 7 1/2"**
	einstellbar von 0,1 bis 4,0 mm **komplett mit einer Klinge**
	adjustable from 0,1 to 4,0 mm **complete with one blade**
	ajustable de 0,1 hasta 4,0 mm completo con una hoja
	ajustable de 0,1 à 4,0 mm complet avec une lame
	regolabile da 0,1 a 4,0 mm completo con una lama

Instrument Care

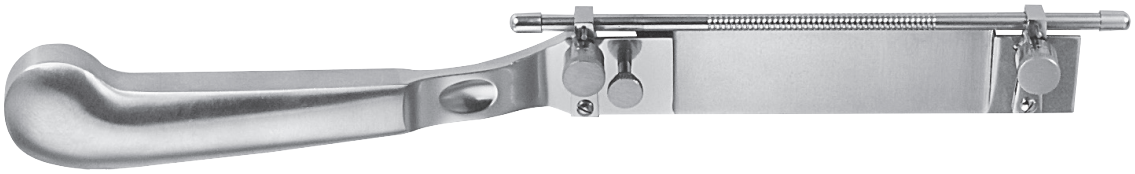
Proper use, cleaning, maintenance and sterilisation are the most important factors for an extended product life-time.

Tontarra Medizintechnik GmbH and our certified service partners will assist you on instrument handling and care.

Art.Nr.	Beschreibung | *Description*

SCHINK

SET



003-420-30 **30,0 cm; 12"**

einstellbar von 0,1 bis 2,3 mm
komplett mit einer Klinge (003-421-30) und 2 Spannplatten (003-422-30)

adjustable from 0,1 to 2,3 mm
complete with one blade (003-421-30) and 2 skin fixing blades (003-422-30)

ajustable de 0,1 hasta 2,3 mm
completo con una hoja (003-421-30) y 2 placas para extender la piel (003-422-30)

ajustable de 0,1 à 2,3 mm
complet avec une lame (003-421-30) et 2 plaques pour tendre la peau (003-422-30)

regolabile da 0,1 a 2,3 mm
completo con una lama (003-421-30) e 2 placche per stendere la pelle (003-422-30)



003-421-30 **Ersatzklinge**
Spare blade
Hoja de repuesto
Lame de rechange
Lama di ricambio



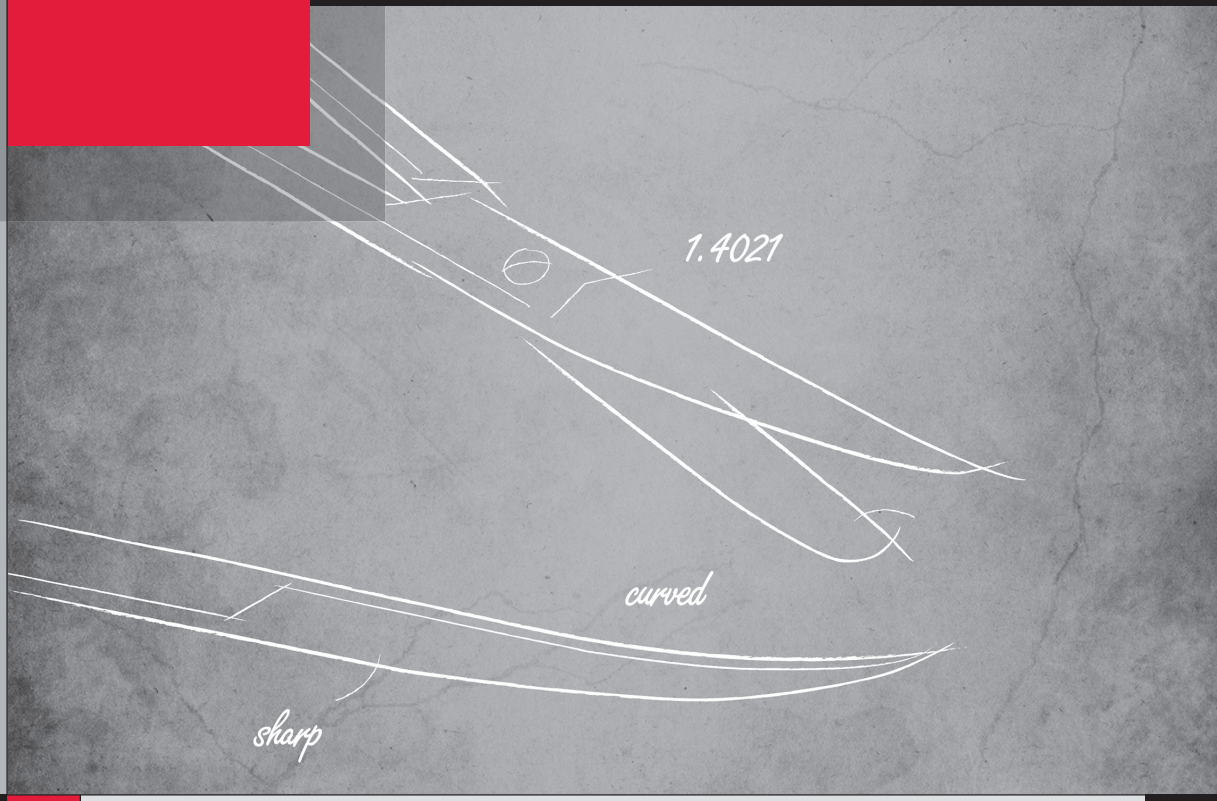
003-422-30 **Haut-Spannplatte**
Skin fixing plate
Placa para extender la piel
Plaque pour tendre la peau
Placca per tendere la pelle

40 bis 100 mm | 40 to 100 mm | 40 hasta 100 mm | 40 á 100 mm | 40 a 100 mm

Art.Nr.	Beschreibung | *Description*
	COBBETT
	
003-410-30	**30,0 cm; 12"** **einstellbar von 0,1 bis 1,5 mm; komplett mit 1 Klinge (003-411-30)** **adjustable from 0,1 to 1,5 mm; complete with 1 blade (003-411-30)** ajustable de 0,1 hasta 1,5 mm; completo con 1 hoja (003-411-30) ajustable de 0,1 à 1,5 mm; complet avec 1 lame (003-411-30) regolabile da 0,1 a 1,5 mm; completo con 1 lama (003-411-30)
	HUMBY
	
003-412-30	**30,0 cm; 12"** **einstellbar von 0,1 bis 1,5 mm; komplett mit 1 Klinge (003-411-30)** **adjustable from 0,1 to 1,5 mm; complete with 1 blade (003-411-30)** ajustable de 0,1 hasta 1,5 mm; completo con 1 hoja (003-411-30) ajustable de 0,1 à 1,5 mm; complet avec 1 lame (003-411-30) regolabile da 0,1 a 1,5 mm; completo con 1 lama (003-411-30)
	WATSON
	
003-416-30	**30,0 cm; 12"** **einstellbar von 0,1 bis 1,5 mm; komplett mit 1 Klinge (003-411-30)** **adjustable from 0,1 to 1,5 mm; complete with 1 blade (003-411-30)** ajustable de 0,1 hasta 1,5 mm; completo con 1 hoja (003-411-30) ajustable de 0,1 à 1,5 mm; complet avec 1 lame (003-411-30) regolabile da 0,1 a 1,5 mm; completo con 1 lama (003-411-30)
	
003-411-30	**157 mm** **Ersatzklinge; unsteril** **Spare blade; non steril** Hoja de repuesto; no ésteril Lame de rechange; non stérile Lama di ricambio; non sterile

TONTARRA

OPEN SURGERY



Scheren

Scissors

Tijeras

Ciseaux

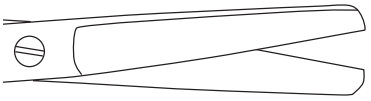
Forbici

010

Art.Nr. **Beschreibung** | ***Description***

STANDARD

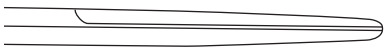




gerade | **straight** | recta | droite | retta

gebogen | **curved** | curva | courbe | curva

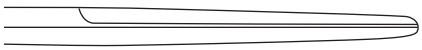
010-000-11 **11,5 cm; 4 1/2“**



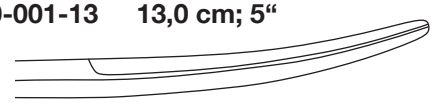
010-001-11 **11,5 cm; 4 1/2“**



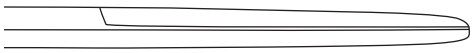
010-000-13 **13,0 cm; 5“**



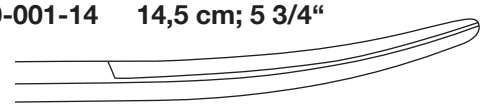
010-001-13 **13,0 cm; 5“**



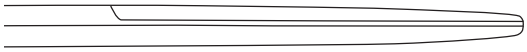
010-000-14 **14,5 cm; 5 3/4“**



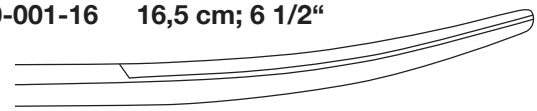
010-001-14 **14,5 cm; 5 3/4“**



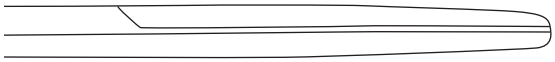
010-000-16 **16,5 cm; 6 1/2“**



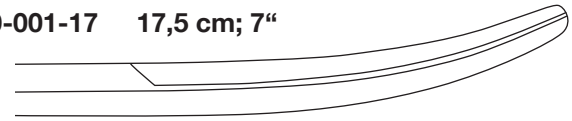
010-001-16 **16,5 cm; 6 1/2“**



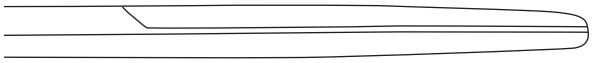
010-000-17 **17,5 cm; 7“**



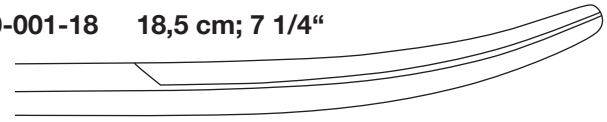
010-001-17 **17,5 cm; 7“**



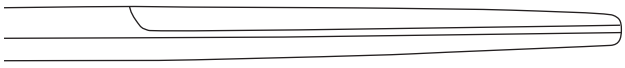
010-000-18 **18,5 cm; 7 1/4“**



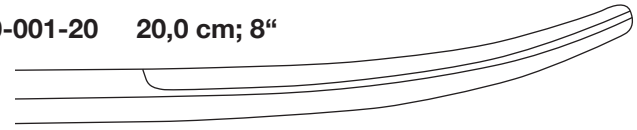
010-001-18 **18,5 cm; 7 1/4“**



010-000-20 **20,0 cm; 8“**



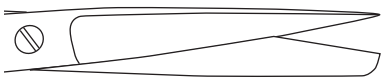
010-001-20 **20,0 cm; 8“**



Art.Nr.	Beschreibung | *Description*

STANDARD





gerade | straight | recta | droite | retta

gebogen | curved | curva | courbe | curva

010-002-11	11,5 cm; 4 1/2“	010-003-11	11,5 cm; 4 1/2“
010-002-13	13,0 cm; 5“	010-003-13	13,0 cm; 5“
010-002-14	14,5 cm; 5 3/4“	010-003-14	14,5 cm; 5 3/4“
010-002-16	16,5 cm; 6 1/2“	010-003-16	16,5 cm; 6 1/2“
010-002-17	17,5 cm; 7“	010-003-17	17,5 cm; 7“
010-002-18	18,5 cm; 7 1/4“	010-003-18	18,5 cm; 7 1/4“
010-002-20	20,0 cm; 8“	010-003-20	20,0 cm; 8“

Art.Nr.	Beschreibung | *Description*

STANDARD





gerade | straight | recta | droite | retta

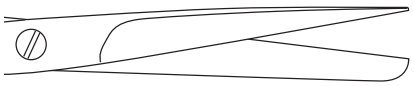
gebogen | curved | curva | courbe | curva

010-004-11	11,5 cm; 4 1/2“	010-005-11	11,5 cm; 4 1/2“
010-004-13	13,0 cm; 5“	010-005-13	13,0 cm; 5“
010-004-14	14,5 cm; 5 3/4“	010-005-14	14,5 cm; 5 3/4“
010-004-16	16,5 cm; 6 1/2“	010-005-16	16,5 cm; 6 1/2“
010-004-17	17,5 cm; 7“		
010-004-18	18,5 cm; 7 1/4“	010-005-18	18,5 cm; 7 1/4“
010-004-20	20,0 cm; 8“	010-005-20	20,0 cm; 8“

Art.Nr.	Beschreibung | *Description*

DEAVER





gerade | straight | recta | droite | retta

gebogen | curved | curva | courbe | curva

010-052-14 14,5 cm; 5 3/4“



010-053-14 14,5 cm; 5 3/4“



GRAZIL



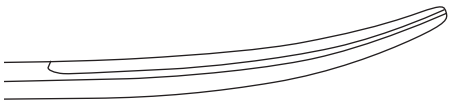
gerade | straight | recta | droite | retta

gebogen | curved | curva | courbe | curva

010-070-14 14,5 cm; 5 3/4“



010-071-14 14,5 cm; 5 3/4“





010-072-14 14,5 cm; 5 3/4“

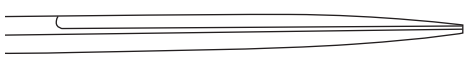


010-073-14 14,5 cm; 5 3/4“

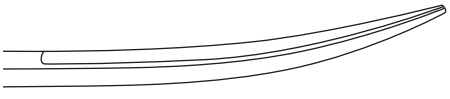




010-074-14 14,5 cm; 5 3/4“



010-075-14 14,5 cm; 5 3/4“

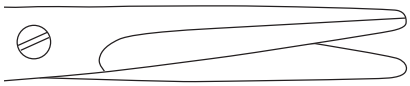




Art.Nr.	Beschreibung | *Description*

MAYO

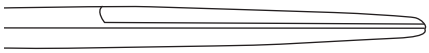




gerade | straight | recta | droite | retta

gebogen | curved | curva | courbe | curva

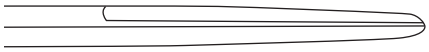
010-100-14 14,5 cm; 5 3/4“



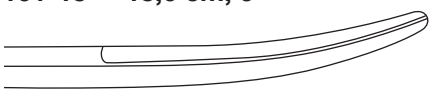
010-101-14 14,5 cm; 5 3/4“



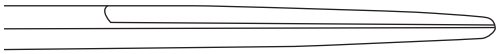
010-100-15 15,0 cm; 6“



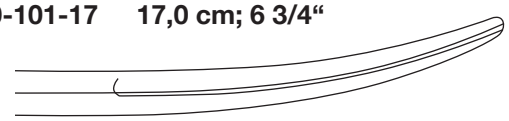
010-101-15 15,0 cm; 6“



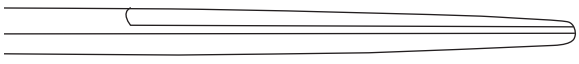
010-100-17 17,0 cm; 6 3/4“



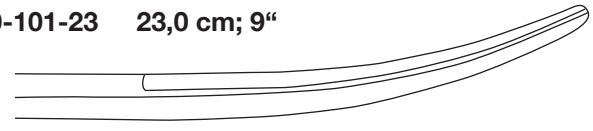
010-101-17 17,0 cm; 6 3/4“



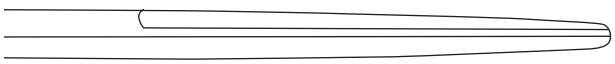
010-100-23 23,0 cm; 9“



010-101-23 23,0 cm; 9“



010-100-28 28,0 cm; 11“



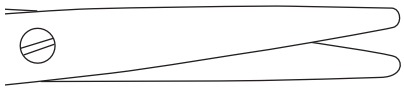
010-101-28 28,0 cm; 11“



Art.Nr.	Beschreibung | *Description*

MAYO-STILLE





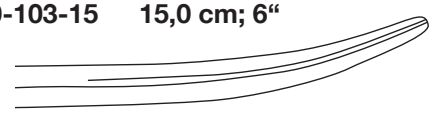
gerade | straight | recta | droite | retta

gebogen | curved | curva | courbe | curva

010-102-15 15,0 cm; 6“



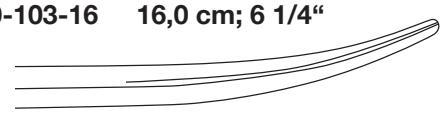
010-103-15 15,0 cm; 6“



010-102-16 16,0 cm; 6 1/4“



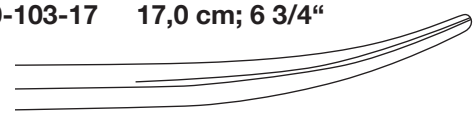
010-103-16 16,0 cm; 6 1/4“



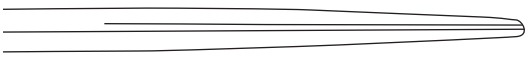
010-102-17 17,0 cm; 6 3/4“



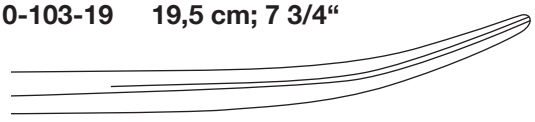
010-103-17 17,0 cm; 6 3/4“



010-102-19 19,5 cm; 7 3/4“



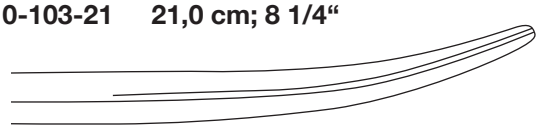
010-103-19 19,5 cm; 7 3/4“



010-102-21 21,0 cm; 8 1/4“



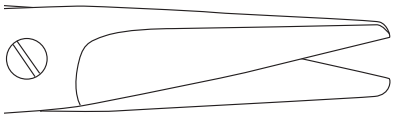
010-103-21 21,0 cm; 8 1/4“



Art.Nr. **Beschreibung** | ***Description***

MAYO-NOBLE





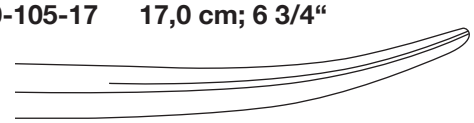
gerade | **straight** | recta | droite | retta

gebogen | **curved** | curva | courbe | curva

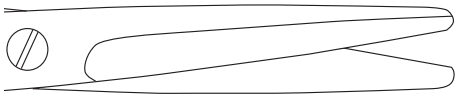
010-104-17 **17,0 cm; 6 3/4“**

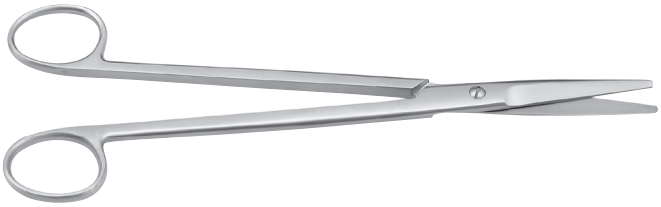


010-105-17 **17,0 cm; 6 3/4“**



MAYO-HARRINGTON

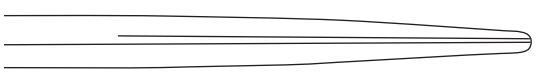




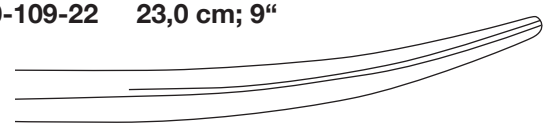
gerade | **straight** | recta | droite | retta

gebogen | **curved** | curva | courbe | curva

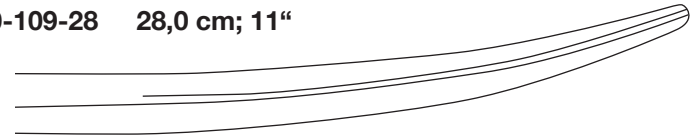
010-108-22 **23,0 cm; 9“**



010-109-22 **23,0 cm; 9“**



010-109-28 **28,0 cm; 11“**



Art.Nr. **Beschreibung** | ***Description***

BABY-METZENBAUM





gerade | straight | recta | droite | retta

gebogen | curved | curva | courbe | curva

010-110-11 **11,5 cm; 4 1/2“**

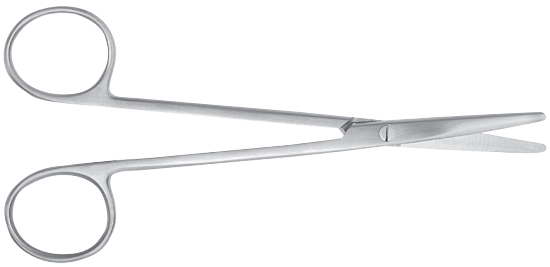


010-111-11 **11,5 cm; 4 1/2“**



METZENBAUM





gerade | straight | recta | droite | retta

gebogen | curved | curva | courbe | curva

010-110-14 **14,5 cm; 5 3/4“**



010-111-14 **14,5 cm; 5 3/4“**



010-110-15 **15,5 cm; 6 1/8“**

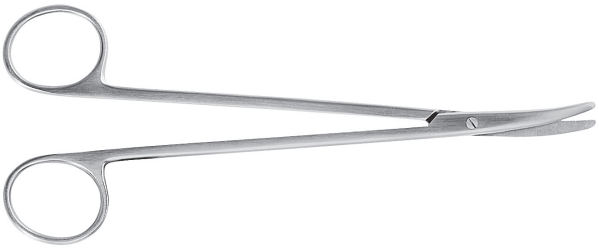


010-111-15 **15,5 cm; 6 1/8“**

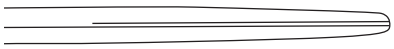
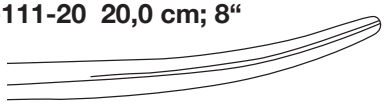
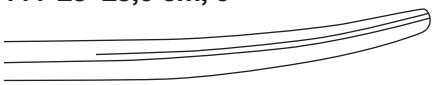
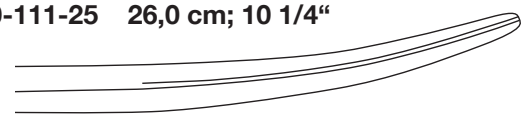
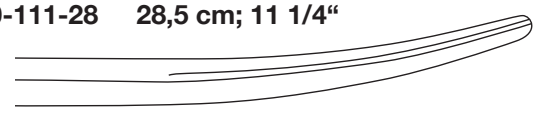
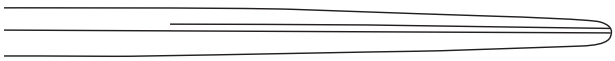
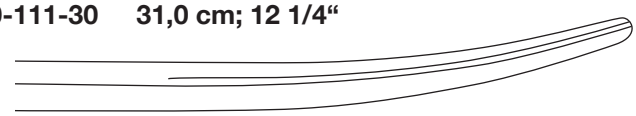


Art.Nr. **Beschreibung** | ***Description***

METZENBAUM-NELSON



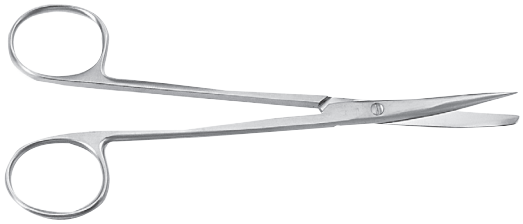


gerade | **straight** | recta | droite | retta	**gebogen** | **curved** | curva | courbe | curva
010-110-18 **18,0 cm; 7“** 	**010-111-18** **18,0 cm; 7“** 
010-110-20 **20,0 cm; 8“** 	**010-111-20** **20,0 cm; 8“** 
010-110-23 **23,0 cm; 9“** 	**010-111-23** **23,0 cm; 9“** 
010-110-25 **26,0 cm; 10 1/4“** 	**010-111-25** **26,0 cm; 10 1/4“** 
010-110-28 **28,5 cm; 11 1/4“** 	**010-111-28** **28,5 cm; 11 1/4“** 
010-110-30 **31,0 cm; 12 1/4“** 	**010-111-30** **31,0 cm; 12 1/4“** 

Art.Nr. **Beschreibung** | ***Description***

METZENBAUM





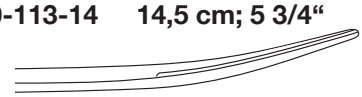
gerade | straight | recta | droite | retta

010-112-14 **14,5 cm; 5 3/4“**



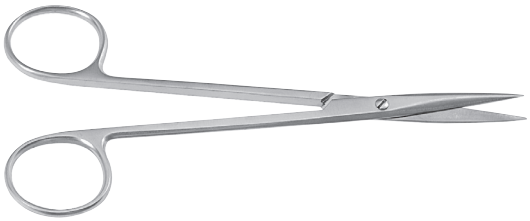
gebogen | curved | curva | courbe | curva

010-113-14 **14,5 cm; 5 3/4“**



METZENBAUM





gerade | straight | recta | droite | retta

010-114-14 **14,5 cm; 5 3/4“**

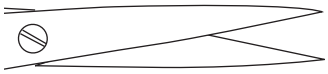


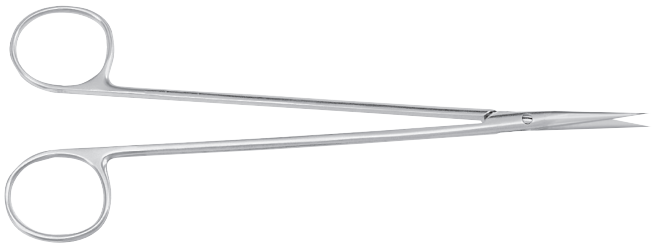
gebogen | curved | curva | courbe | curva

010-115-14 **14,5 cm; 5 3/4“**



METZENBAUM-NELSON





gerade | straight | recta | droite | retta

010-114-18 **18,0 cm; 7“**

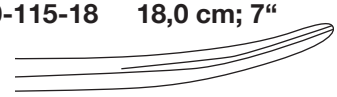


010-114-20 **20,0 cm; 8“**

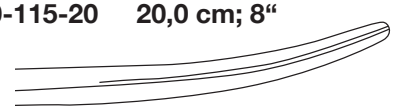


gebogen | curved | curva | courbe | curva

010-115-18 **18,0 cm; 7“**

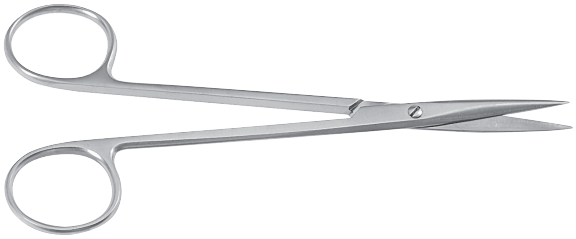


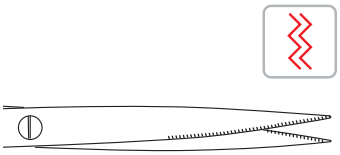
010-115-20 **20,0 cm; 8“**



Art.Nr.	Beschreibung | *Description*

METZENBAUM





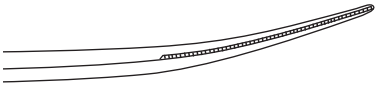
gerade | straight | recta | droite | retta

010-116-14 **14,5 cm; 5 3/4“**



gebogen | curved | curva | courbe | curva

010-117-14 **14,5 cm; 5 3/4“**



All sizes and lengths specified in this catalogue are as accurately as possible. Variations may occur. We reseve the right to modify products without customers notice.

Art.Nr. **Beschreibung** | ***Description***

METZENBAUM-FINO





gerade | **straight** | recta | droite | retta

gebogen | **curved** | curva | courbe | curva

010-120-14 14,0 cm; 5 1/2“



010-121-14 14,5 cm; 5 1/2“



010-120-18 18,0 cm; 7“



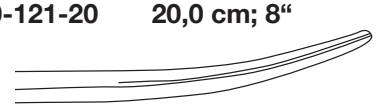
010-121-18 18,0 cm; 7“



010-120-20 20,0 cm; 8“



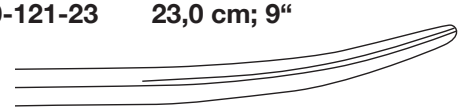
010-121-20 20,0 cm; 8“



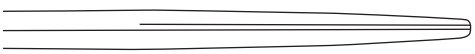
010-120-23 23,0 cm; 9“



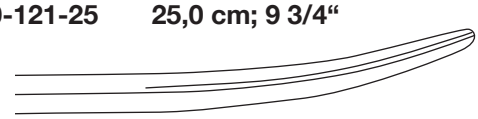
010-121-23 23,0 cm; 9“



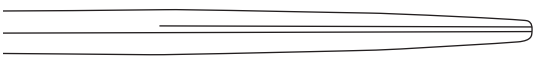
010-120-25 25,0 cm; 9 3/4“



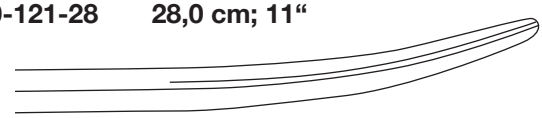
010-121-25 25,0 cm; 9 3/4“



010-120-28 28,0 cm; 11“



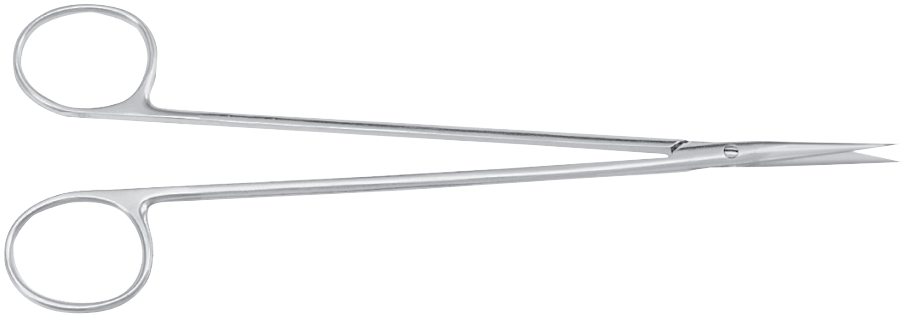
010-121-28 28,0 cm; 11“

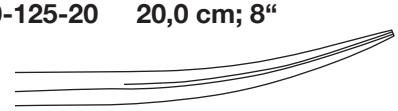
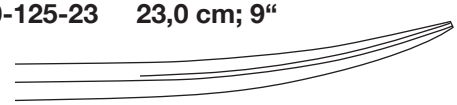


Art.Nr.	Beschreibung | *Description*

METZENBAUM-FINO

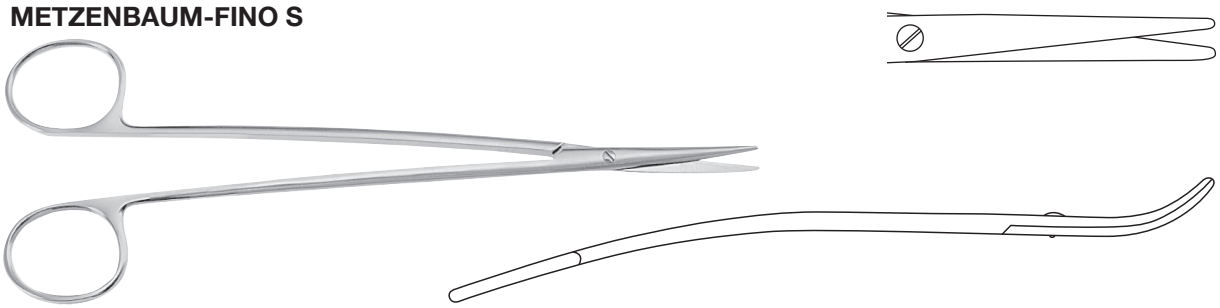




gerade | straight | recta | droite | retta		**gebogen | curved** | curva | courbe | curva	
010-124-14	**14,5 cm; 5 3/4“**	**010-125-14**	**14,5 cm; 5 3/4“**
			
010-124-18	**18,0 cm; 7“**	**010-125-18**	**18,0 cm; 7“**
			
010-124-20	**20,0 cm; 8“**	**010-125-20**	**20,0 cm; 8“**
			
010-124-23	**23,0 cm; 9“**	**010-125-23**	**23,0 cm; 9“**
			

Art.Nr. **Beschreibung** | ***Description***

METZENBAUM-FINO S



gebogen | curved | curva | courbe | curva

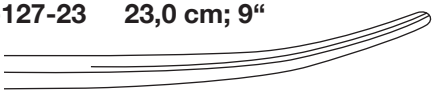
010-127-18 **18,0 cm; 7“**



010-127-20 **20,0 cm; 8“**

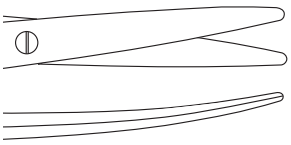


010-127-23 **23,0 cm; 9“**



METZENBAUM-LAHEY

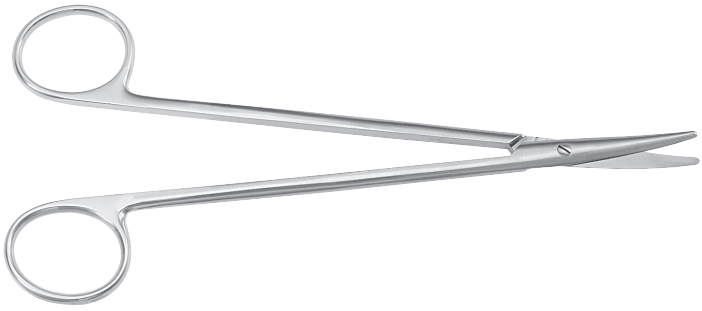


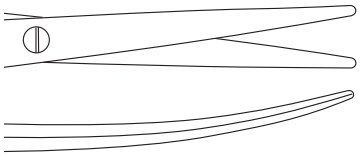


gebogen | curved | curva | courbe | curva

010-137-14 **14,0 cm; 5 1/2“**

TOENNIS-ADSON





gebogen | curved | curva | courbe | curva

010-139-17 **17,5 cm; 7“**

Art.Nr. **Beschreibung** | ***Description***

BABY-LEXER





gerade | **straight** | recta | droite | retta

010-140-10 **10,0 cm; 4“**

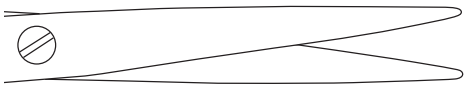


gebogen | **curved** | curva | courbe | curva

010-141-10 **10,0 cm; 4“**



LEXER-FINO





gerade | **straight** | recta | droite | retta

010-142-16 **16,5 cm; 6 1/2“**



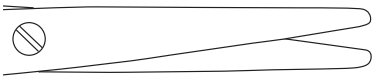
gebogen | **curved** | curva | courbe | curva

010-143-16 **16,5 cm; 6 1/2“**



Art.Nr.	Beschreibung | *Description*

LEXER





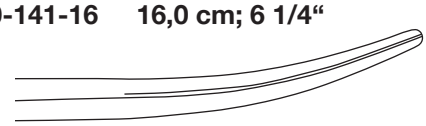
gerade | straight | recta | droite | retta

gebogen | curved | curva | courbe | curva

010-140-16 16,0 cm; 6 1/4“



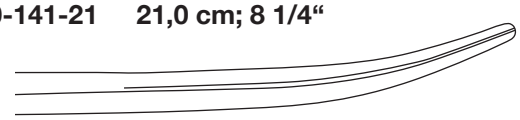
010-141-16 16,0 cm; 6 1/4“



010-140-21 21,0 cm; 8 1/4“



010-141-21 21,0 cm; 8 1/4“



MIXTER





gerade | straight | recta | droite | retta

gebogen | curved | curva | courbe | curva

010-160-17 15,5 cm; 6“

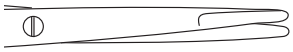


010-161-17 15,5 cm; 6“



Art.Nr. **Beschreibung** | ***Description***

KILNER (RAGNELL)





gerade | straight | recta | droite | retta

010-200-12 **12,5 cm; 5“**



010-200-15 **15,0 cm; 6“**



gebogen | curved | curva | courbe | curva

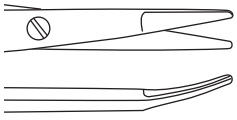
010-201-12 **12,5 cm; 5“**



010-201-15 **15,0 cm; 6“**



SHEA VEIN GRAFT





gebogen | curved | curva | courbe | curva

010-203-12 **12,0 cm; 4 3/4“**

Art.Nr. **Beschreibung** | ***Description***





gerade | straight | recta | droite | retta

010-204-11 **11,5 cm; 4 1/2“**

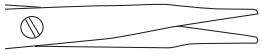


gebogen | curved | curva | courbe | curva

010-205-11 **11,5 cm; 4 1/2“**



REYNOLDS





gerade | straight | recta | droite | retta

010-210-15 **15,0 cm; 6“**



010-210-18 **18,0 cm; 7“**

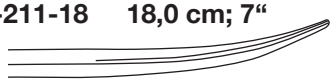


gebogen | curved | curva | courbe | curva

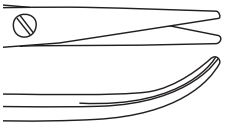
010-211-15 **15,0 cm; 6“**



010-211-18 **18,0 cm; 7“**



CINELLI





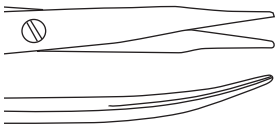
gebogen | curved | curva | courbe | curva

010-212-11 **11,5 cm; 4 1/2“**

Art.Nr. **Beschreibung** | ***Description***

JAMESON



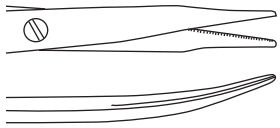


gebogen | **curved** | curva | courbe | curva

010-214-14 **15,5 cm; 6“**

JAMESON





gebogen | **curved** | curva | courbe | curva

010-215-14 **15,5 cm; 6“**

THOREK





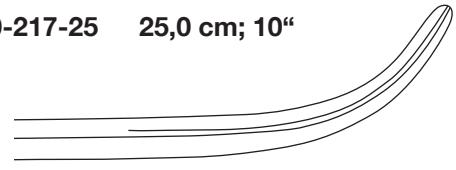
gebogen | **curved** | curva | courbe | curva

010-217-19 **19,0 cm; 7 1/2“**



gebogen | **curved** | curva | courbe | curva

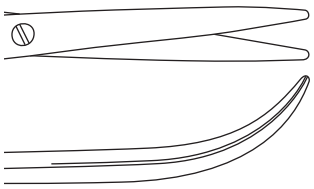
010-217-25 **25,0 cm; 10“**



Art.Nr.	Beschreibung | *Description*

FOMON





gebogen | curved | curva | courbe | curva

010-219-13 **13,5 cm; 5 1/4“**





gerade | straight | recta | droite | retta

010-220-15 **15,0 cm; 6“**



gebogen | curved | curva | courbe | curva

010-221-15 **15,0 cm; 6“**



SANVENERO





gerade | straight | recta | droite | retta

010-224-14 **14,0 cm; 5 1/2“**



gebogen | curved | curva | courbe | curva

010-225-14 **14,0 cm; 5 1/2“**



Art.Nr. **Beschreibung | *Description***

JOSEPH





gerade | straight | recta | droite | retta

010-228-14 **14,0 cm; 5 1/2“**



gebogen | curved | curva | courbe | curva

010-229-14 **14,0 cm; 5 1/2“**



WAGNER





gerade | straight | recta | droite | retta

010-264-12 **12,0 cm; 4 3/4“**



gebogen | curved | curva | courbe | curva

010-265-12 **12,0 cm; 4 3/4“**

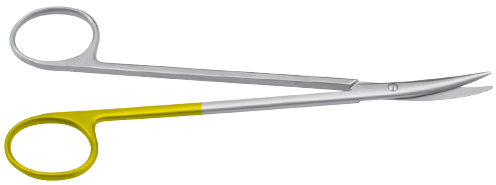


SALYER





für Lippen-, Kiefer-, Gaumenspalte | for cleft palate
para fisura labial y palatina (squisis) | pour fente du palais | per labbro leporino



010-339-12 **12,5 cm; 5“**



010-339-18 **18,0 cm; 7“**



Art.Nr.	Beschreibung | *Description*



gerade | straight | recta | droite | retta

010-234-12 **12,0 cm; 4 3/4“**



gebogen | curved | curva | courbe | curva

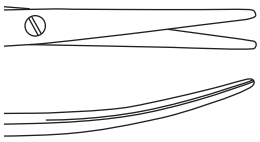
010-235-12 **12,0 cm; 4 3/4“**







Enukleationsschere
Enucleation scissors
Tijera para enucleación
Ciseaux à énucléation
Forbici per enucleazione



gebogen | curved | curva | courbe | curva

010-239-11 **11,5 cm; 4 1/2“**

STRABISMUS





gerade | straight | recta | droite | retta

010-240-11 **11,5 cm; 4 1/2“**



gebogen | curved | curva | courbe | curva

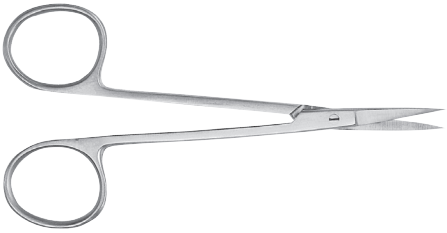
010-241-11 **11,5 cm; 4 1/2“**



Art.Nr.	Beschreibung | *Description*

IRIS





gerade | straight | recta | droite | retta

010-244-09 **9,0 cm; 3 1/2“**



010-244-10 **10,5 cm; 4 1/8“**



010-244-11 **11,5 cm; 4 1/2“**



gebogen | curved | curva | courbe | curva

010-245-09 **9,0 cm; 3 1/2“**



010-245-10 **10,5 cm; 4 1/8“**



010-245-11 **11,5 cm; 4 1/2“**



Art.Nr. **Beschreibung** | ***Description***

IRIS

fein | **delicate** | fino | fin | fino





gerade | **straight** | recta | droite | retta

010-250-10 **10,5 cm; 4 1/8“**



010-250-11 **11,5 cm; 4 1/2“**



gebogen | **curved** | curva | courbe | curva

010-251-10 **10,5 cm; 4 1/8“**

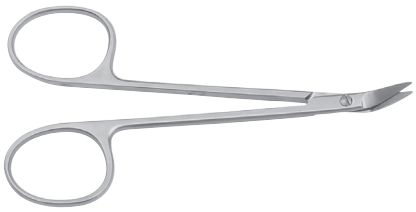


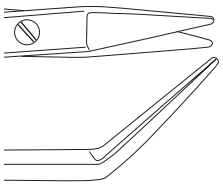
010-251-11 **11,5 cm; 4 1/2“**



Art.Nr.	Beschreibung | *Description*

GRAEFE

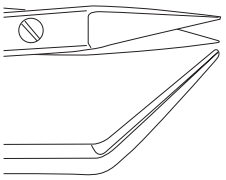




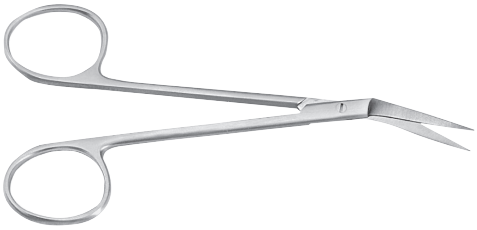
010-253-10 **10,5 cm; 4 1/8“**

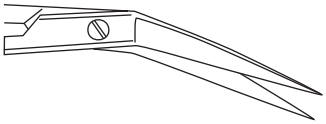
WILMER





010-255-10 **10,0 cm; 4“**

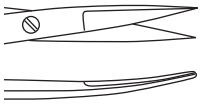




010-263-11 **11,5 cm; 4 1/2“**

RIBBON





010-266-01 **10,0 cm; 4“**

Art.Nr. **Beschreibung** | ***Description***

RIBBON





gebogen | **curved** | curva | courbe | curva

010-268-03 **9,5 cm; 3 3/4“**

BONN

sehr fein | **very delicate** | muy fino | trés fin | molto delicate



spitz | **sharp** | agudo | pointu | acuto

gerade | **straight** | recta | droite | retta

010-270-08 **9,0 cm; 3 1/2“**



gebogen | **curved** | curva | courbe | curva

010-271-08 **9,0 cm; 3 1/2“**





stumpf | **blunt** | romo | mousse | smusso

gerade | **straight** | recta | droite | retta

010-270-09 **9,0 cm; 3 1/2“**



gebogen | **curved** | curva | courbe | curva

010-271-09 **9,0 cm; 3 1/2“**





Art.Nr.	Beschreibung | *Description*

O'BRIEN

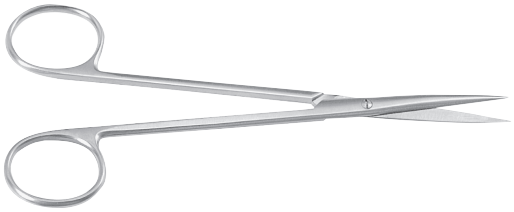




010-273-09 **9,5 cm; 3 3/4"**

fein | delicate | fino | fin | fino





gerade | straight | recta | droite | retta

010-274-11 **11,5 cm; 4 1/2"**



Art.Nr.	Beschreibung | *Description*

LANDOLT





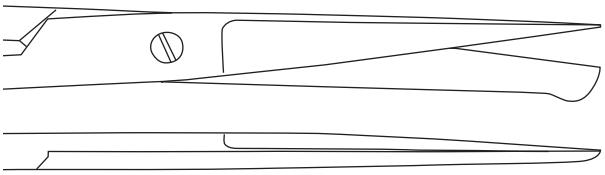
gebogen | curved | curva | courbe | curva

010-281-12 **12,5 cm; 5“**



Art.Nr.	Beschreibung | *Description*

Inzisionsschere
Incision scissors
Tijera para incisión
Ciseaux à incision
Forbici incisione

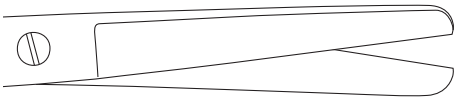




gerade | straight | recta | droite | retta

010-300-14 **14,5 cm; 5 3/4“**

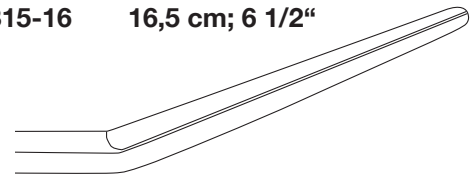
FERGUSSON



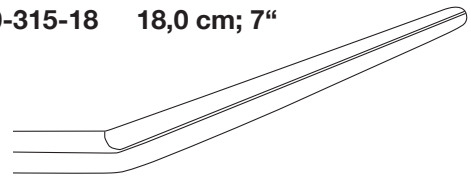


stumpf | blunt | romo | mousse | smusso

010-315-16 **16,5 cm; 6 1/2“**



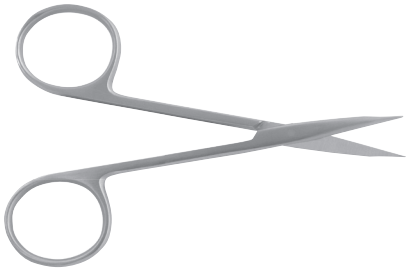
010-315-18 **18,0 cm; 7“**



Art.Nr. **Beschreibung** | ***Description***

STEVENS





spitz | **sharp** | agudo | pointu | acuto

gerade | **straight** | recta | droite | retta

010-290-10 **10,5 cm; 4 1/8“**



010-290-11 **11,5 cm; 4 1/2“**



gebogen | **curved** | curva | courbe | curva

010-291-10 **10,5 cm; 4 1/8“**

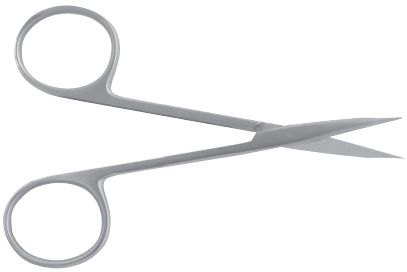


010-291-11 **11,5 cm; 4 1/2“**



STEVENS





stumpf | **blunt** | romo | mousse | smusso

gerade | **straight** | recta | droite | retta

010-294-10 **10,5 cm; 4 1/8“**



010-294-11 **11,5 cm; 4 1/2“**



gebogen | **curved** | curva | courbe | curva

010-295-10 **10,5 cm; 4 1/8“**



010-295-11 **11,5 cm; 4 1/2“**



Präparierscheren; Face-Lift Scheren
Dissecting Scissors; Face-Lift Scissors
Tijeras de disección; Tijeras para Face-Lift
Ciseaux à dissection; Ciseaux pour Face-Lift
Forbici per dissezione; Forbici per Face-Lift

Art.Nr. **Beschreibung** | ***Description***

PECK-JOSEPH





spitz | sharp | agudo | pointu | acuto

gerade | straight | recta | droite | retta

010-206-14 **14,0 cm; 5 1/2“**



gebogen | curved | curva | courbe | curva

010-207-14 **14,0 cm; 5 1/2“**



PECK-JOSEPH





stumpf | blunt | romo | mousse | smusso

gerade | straight | recta | droite | retta

010-208-14 **14,0 cm; 5 1/2“**



gebogen | curved | curva | courbe | curva

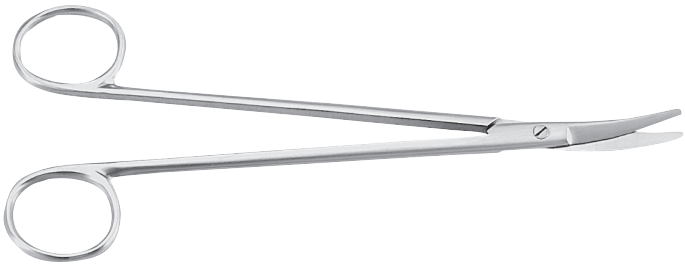
010-209-14 **14,0 cm; 5 1/2“**

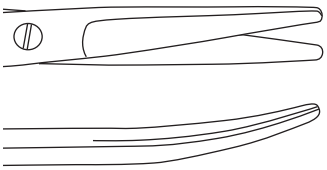


Präparierscheren; Face-Lift Scheren
Dissecting Scissors; Face-Lift Scissors
Tijeras de disección; Tijeras para Face-Lift
Ciseaux à dissection; Ciseaux pour Face-Lift
Forbici per dissezione; Forbici per Face-Lift

Art.Nr. **Beschreibung | *Description***

TOENNIS

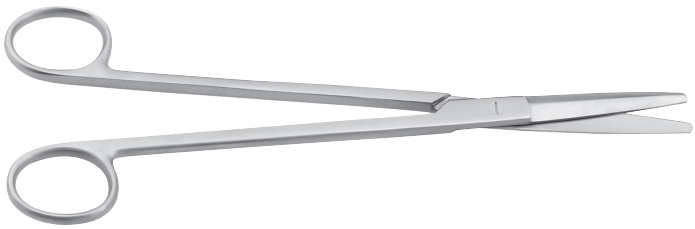


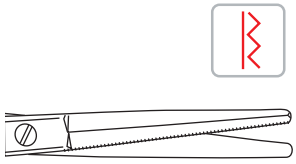


gebogen | curved | curva | courbe | curva

010-325-18 **18,0 cm; 7“**

GORNEY





gerade | straight | recta | droite | retta

010-332-12 **12,5 cm; 5“**

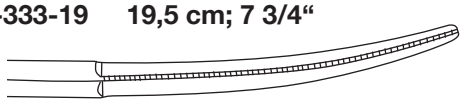


010-332-19 **19,5 cm; 7 3/4“**



gebogen | curved | curva | courbe | curva

010-333-19 **19,5 cm; 7 3/4“**



Präparierscheren; Face-Lift Scheren
Dissecting Scissors; Face-Lift Scissors
Tijeras de disección; Tijeras para Face-Lift
Ciseaux à dissection; Ciseaux pour Face-Lift
Forbici per dissezione; Forbici per Face-Lift

Art.Nr.	Beschreibung | *Description*





gerade | straight | recta | droite | retta

010-368-14 **14,5 cm; 5 3/4“**



gebogen | curved | curva | courbe | curva

010-369-14 **14,5 cm; 5 3/4“**



Art.Nr. **Beschreibung | *Description***

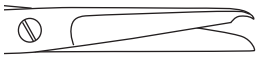
SPENCER



010-400-09 **9,0 cm; 3 1/2“**



010-400-10 **10,5 cm; 4 1/8“**



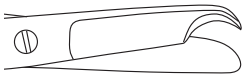
010-400-13 **12,0 cm; 4 3/4“**



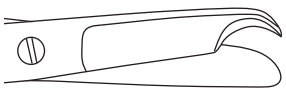
LITTAUER



010-402-11 **11,5 cm; 4 1/2“**



010-402-14 **14,0 cm; 5 1/2“**



BUCK



010-404-14 **14,5 cm; 5 3/4“**



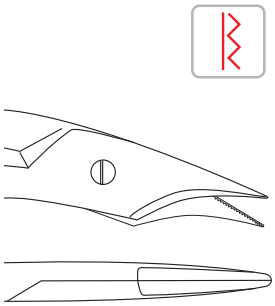
010-404-18 **18,0 cm; 7“**



Art.Nr.	Beschreibung | *Description*

HEATH

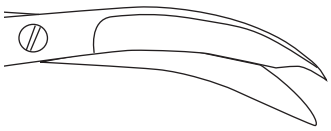




010-408-16 **16,0 cm; 6 1/4“**

NORTHBENT

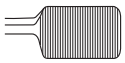




010-413-13 **12,5 cm; 5“**

EISELSBERG

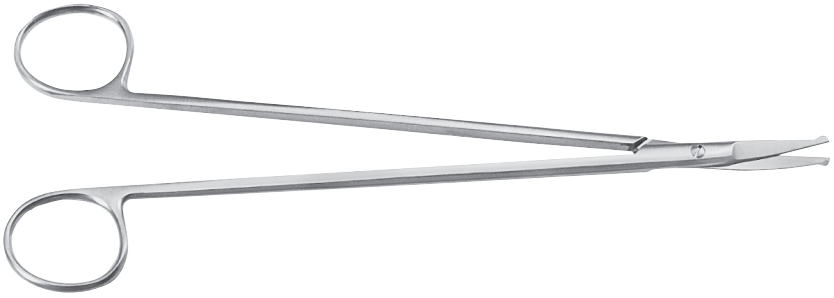


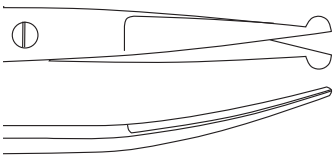


010-415-12 **12,0 cm; 4 3/4“**

Art.Nr.	Beschreibung | *Description*

STRULLY

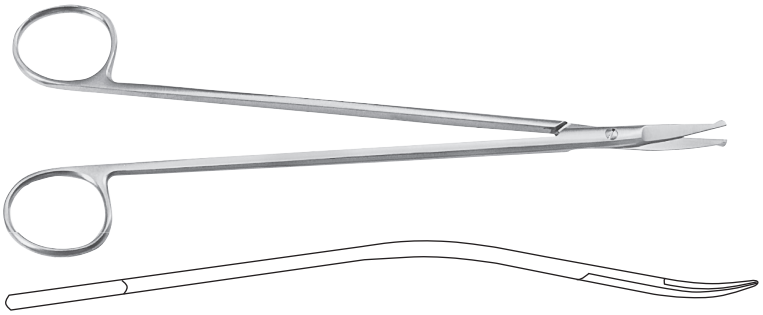


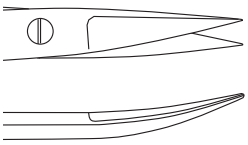


gebogen | curved | curva | courbe | curva

010-450-22 **23,0 cm; 9“**

DANDY



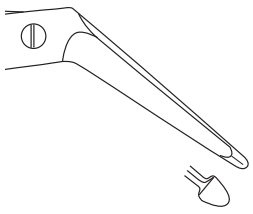


gebogen | curved | curva | courbe | curva

010-453-17 **17,0 cm; 6 3/4“**

SCHMIEDEN-TAYLOR



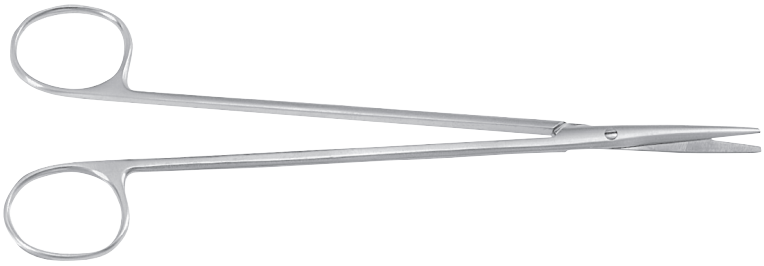


010-457-17 **17,0 cm; 6 3/4“**

Art.Nr. **Beschreibung** | ***Description***

LINCOLN





gerade | **straight** | recta | droite | retta

010-458-17 **17,0 cm; 6 3/4“**



gebogen | **curved** | curva | courbe | curva

010-459-17 **17,0 cm; 6 3/4“**



OLIVECRONA

Trigeminus-Schere (auch für Nase)

Trigeminal Scissors (also nasal)

Tijera para nervio trigémino (tambíen para la nariz)

Ciseaux pour le nerf trigéminal (également pour le nez)

Forbici per nervo trigemino (anche nasale)



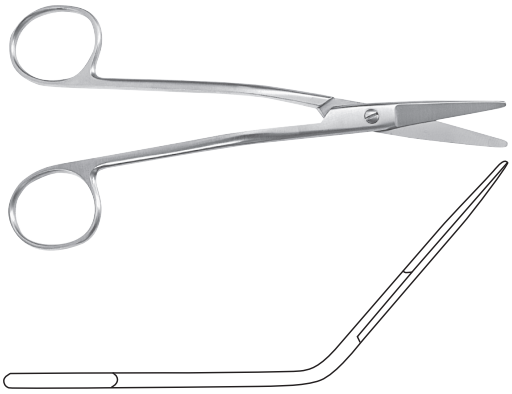


010-469-23 **23,0 cm; 5 1/2“**

Nasenscheren; Tonsillenscheren
Nasal Scissors; Tonsil Scissors
Tijeras nasales; Tijeras para amígdalas
Ciseaux nasaux; Ciseaux pour les amygdales
Forbici nasali; Forbici per tonsille

Art.Nr.	Beschreibung | *Description*

FOMON





010-343-15 **14,0 cm; 5 1/2“**

HEYMANN

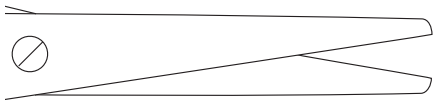


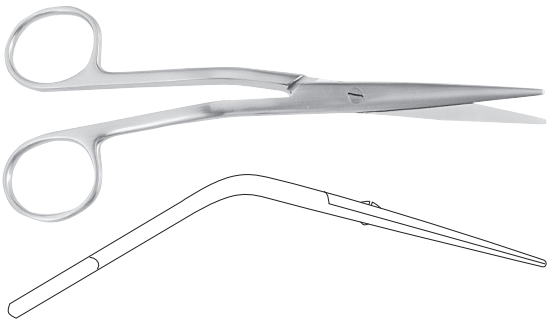


010-501-18 **18,0 cm; 7“**

Art.Nr.	Beschreibung | *Description*

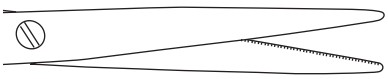
COTTLE





010-511-16 **16,0 cm; 6 1/4“**

KIRSTEIN





010-517-18 **18,0 cm; 7“**

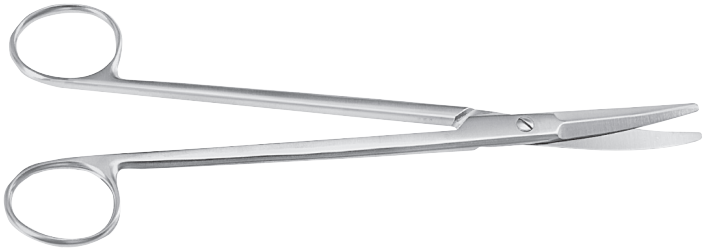
CAPLAN

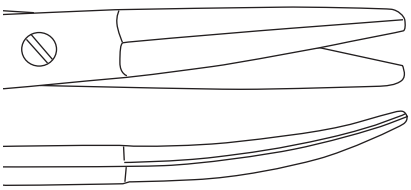


010-519-22 **20,0 cm; 8“**

Art.Nr.	Beschreibung | *Description*

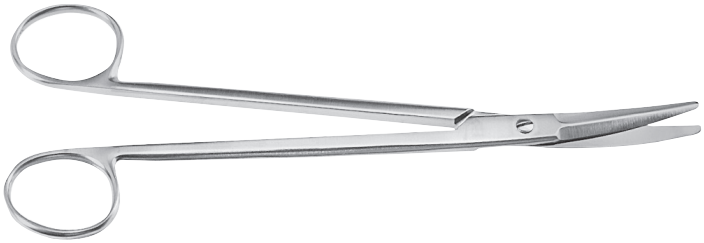
BOETTCHER

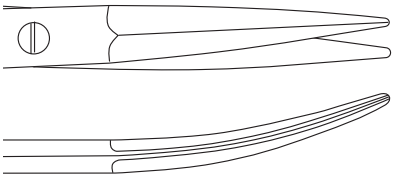




010-521-18 18,0 cm; 7“

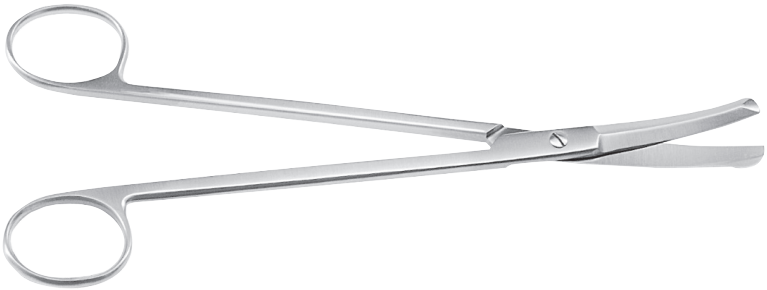
PRINCE

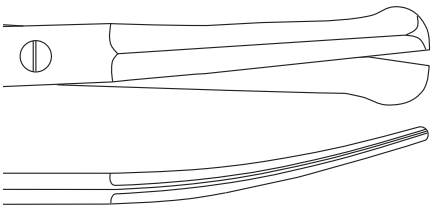




010-523-17 17,5 cm; 7“

GOOD

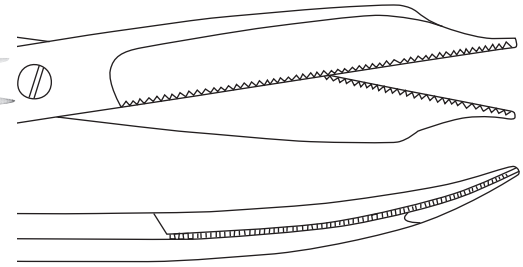




010-525-19 19,0 cm; 7 1/2“

CARTILAGE

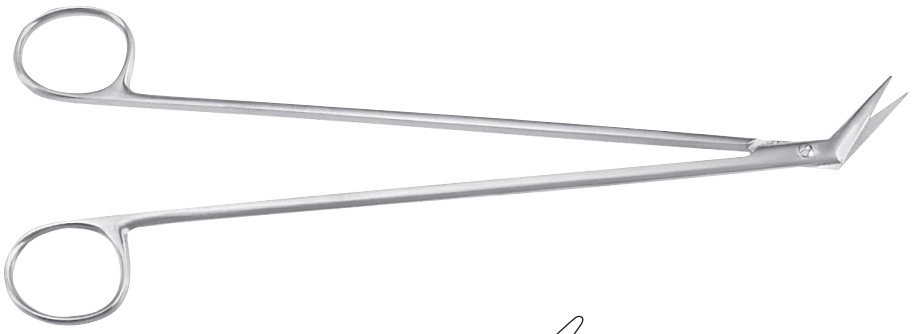


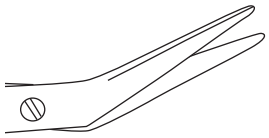


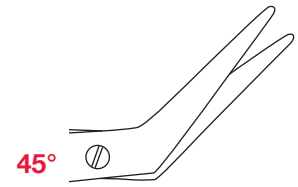
010-528-20 20,0 cm; 8“

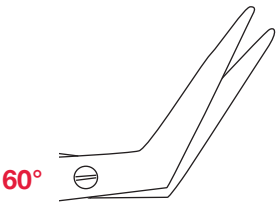
Art.Nr.	Beschreibung | *Description*

DE BAKEY



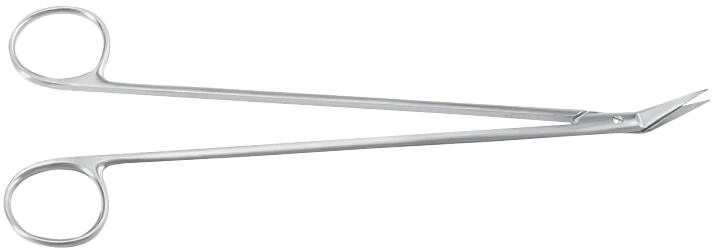


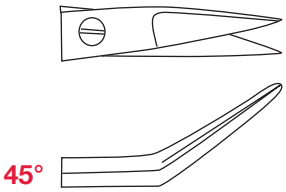




010-540-25	17,0 cm; 6 3/4“	010-540-45	16,5 cm; 6 1/2“	010-540-60	16,0 cm; 6 1/3“
010-543-25	23,0 cm; 9“	010-543-45	23,0 cm; 9“	010-543-60	23,0 cm; 9“
010-544-25	28,0 cm; 11“	010-544-45	28,0 cm; 11“	010-544-60	28,0 cm; 11“

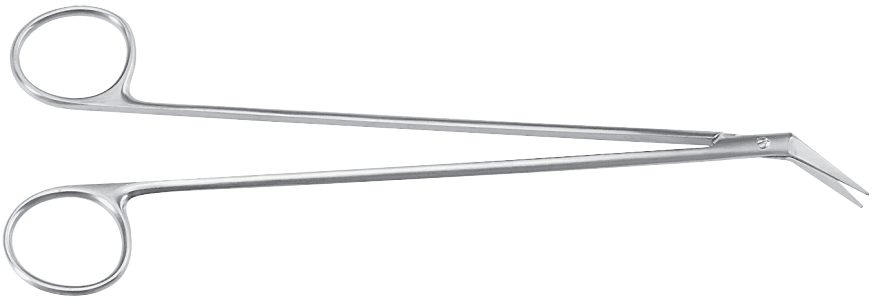
POTTS-SMITH

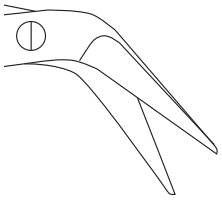




010-547-18	18,0 cm; 7“

POTTS-DE MARTEL

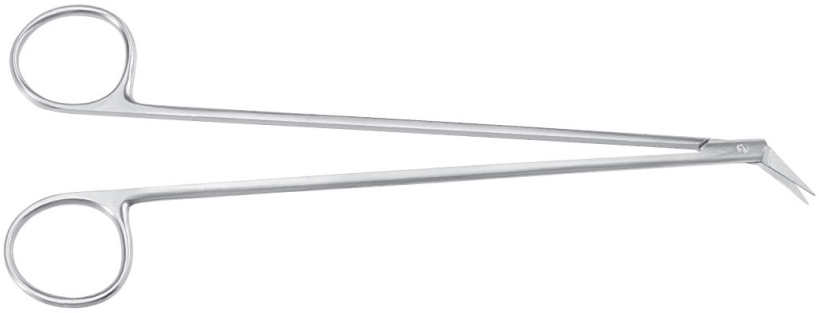




010-548-24	23,0 cm; 9“

Art.Nr. **Beschreibung** | ***Description***

DIETHRICH

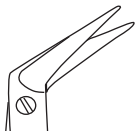




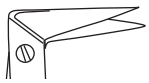
010-550-25 **25°**
19,0 cm; 7 1/2“



010-550-45 **45°**
19,0 cm; 7 1/2“



010-550-60 **60°**
19,0 cm; 7 1/2“

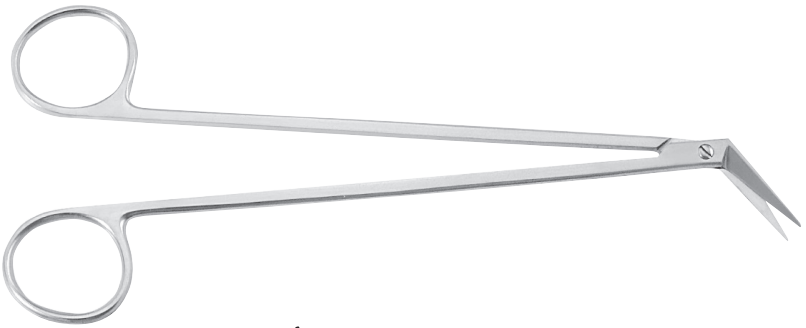


010-550-90 **90°**
19,0 cm; 7 1/2“



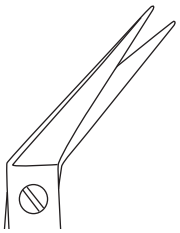
010-550-12 **120°**
19,0 cm; 7 1/2“

POTTS-SMITH

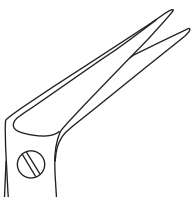




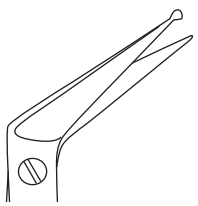
010-551-25 **25°**
19,0 cm; 7 1/2“



010-551-45 **45°**
19,0 cm; 7 1/2“



010-551-60 **60°**
19,0 cm; 7 1/2“

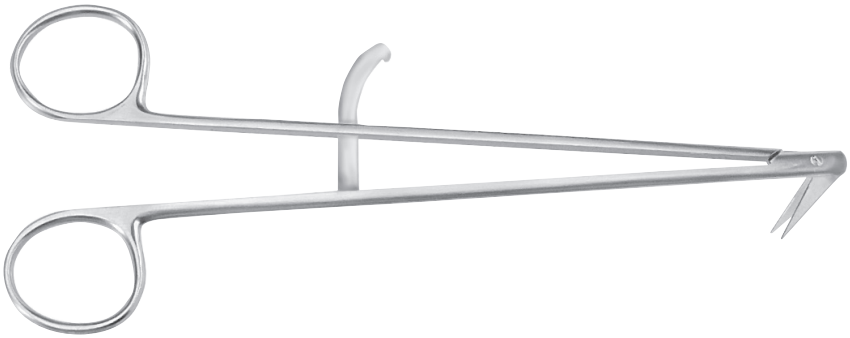


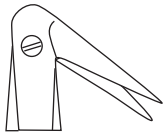
010-551-00 **60°**
19,0 cm; 7 1/2“

1 Blatt geknöpft
1 Probe-pointed blade
1 Hoja abotonada
1 Lame boutonnée
1 Lama con punta a bottone

Art.Nr.	Beschreibung | *Description*

DIETHRICH
mit Führung | with guiding | con guía | avec guidage | con guid

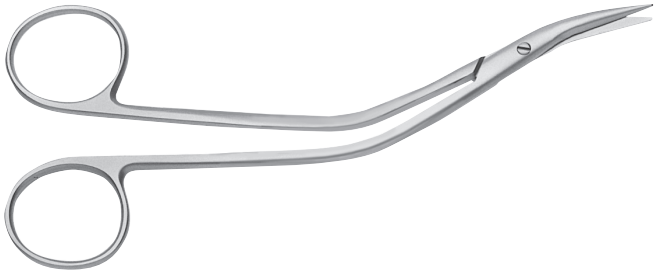


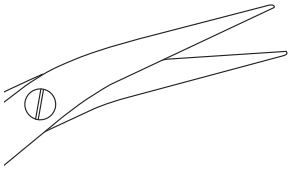


125°

010-552-12 **19,0 cm; 7 1/2“**

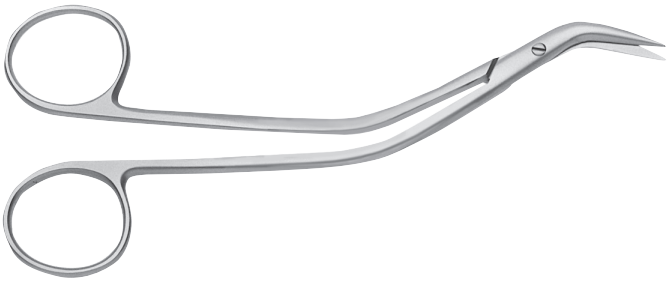
DE BAKEY

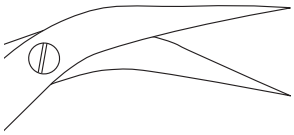




010-560-15 **15,5 cm; 6“**

DE BAKEY

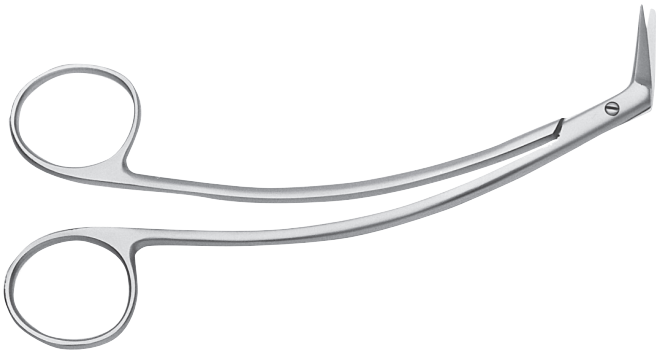


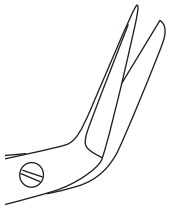


010-561-15 **15,5 cm; 6“**

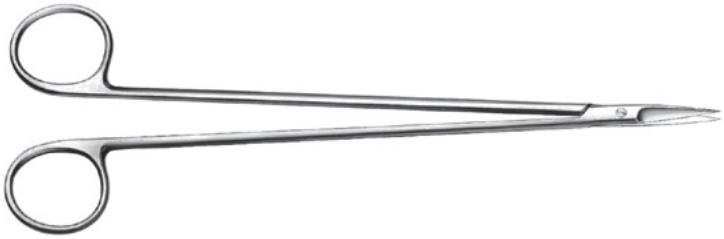
Art.Nr.	Beschreibung | *Description*

FAVALORO





010-562-15 **16,0 cm; 6 1/4“**





gerade | straight | recta | droite | retta

010-566-19 **19,0 cm; 7 1/2“**



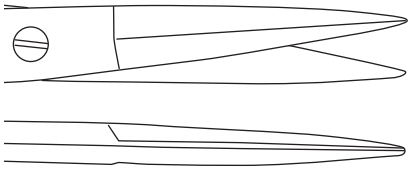
gebogen | curved | curva | courbe | curva

010-567-19 **19,0 cm; 7 1/2“**



MC INDOE





010-570-19 **19,0 cm; 7 1/2“**

Art.Nr.	Beschreibung | *Description*
	1 Blatt geknöpft **1 Probe-pointed blade** 1 Hoja abotonada 1 Lame boutonnée 1 Lama con punta a bottone

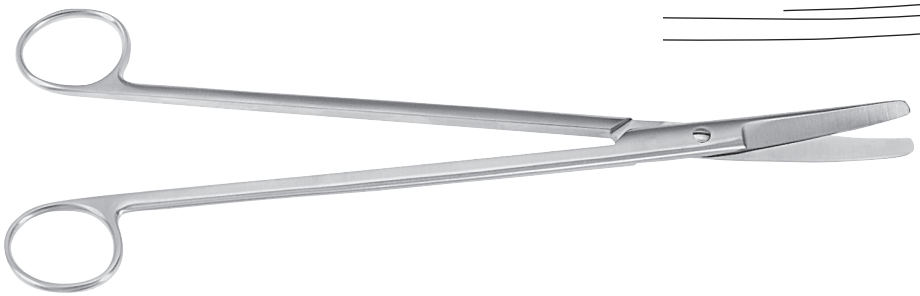




010-572-11	**11,5 cm; 4 1/2“**

CRAFOORD

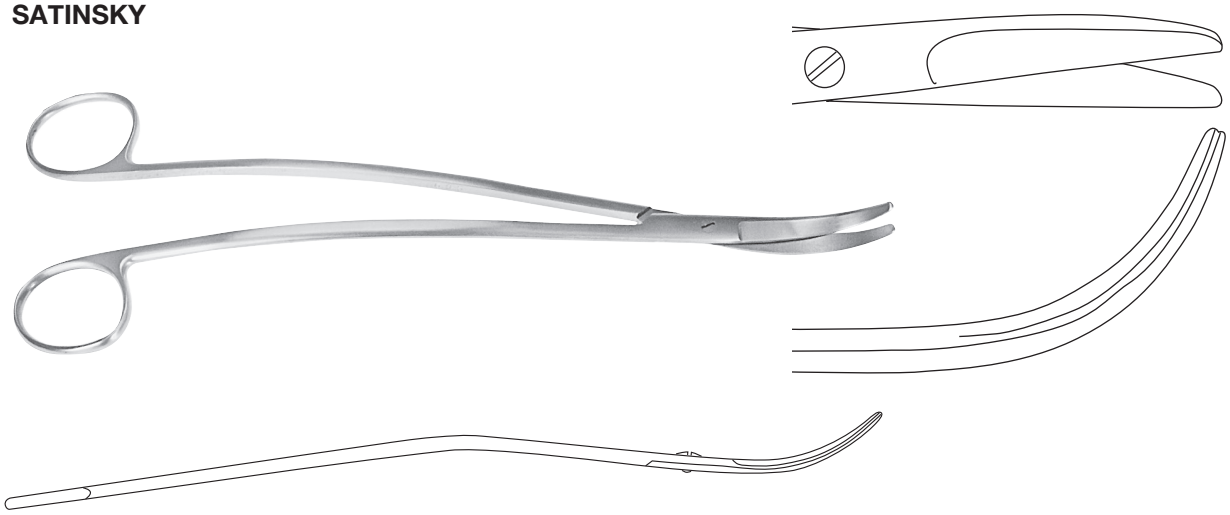




010-575-30	**30,0 cm; 12“**

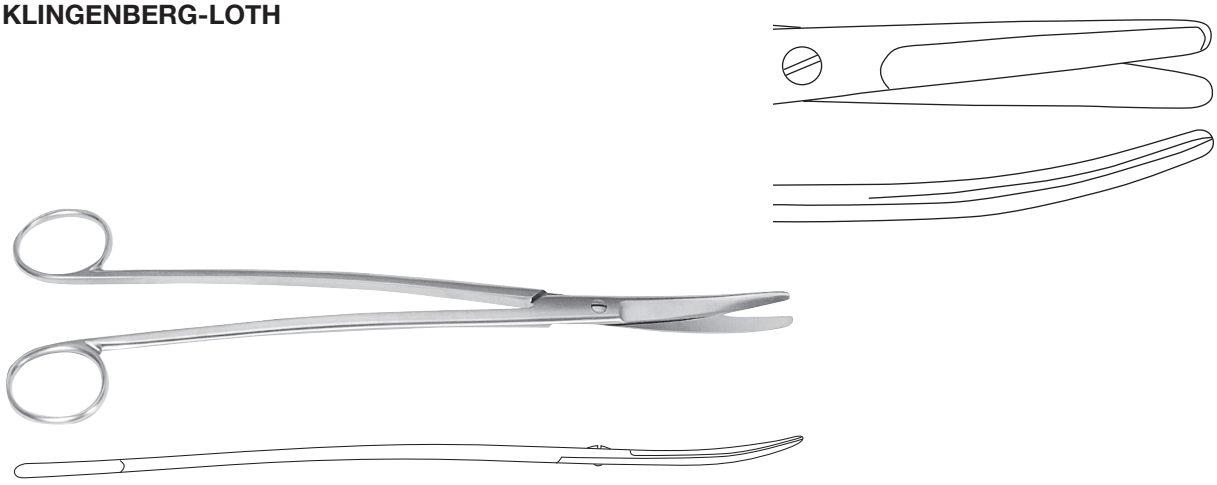
Art.Nr.	Beschreibung | *Description*

SATINSKY



010-577-24 **24,5 cm; 9 2/3“**

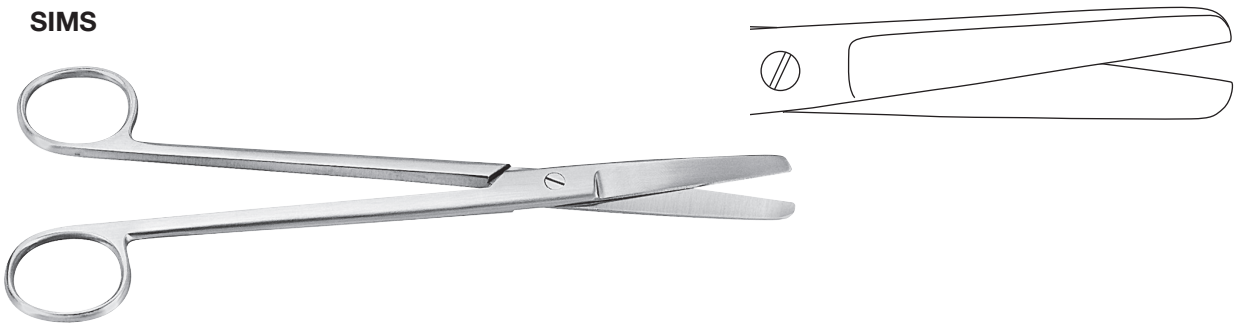
KLINGENBERG-LOTH



010-579-23 **23,0 cm; 9“**

Art.Nr. **Beschreibung** | ***Description***

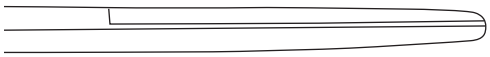
SIMS



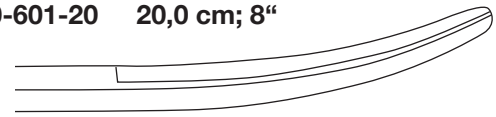
gerade | **straight** | recta | droite | retta

gebogen | **curved** | curva | courbe | curva

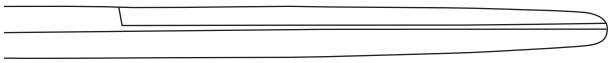
010-600-20 **20,0 cm; 8“**



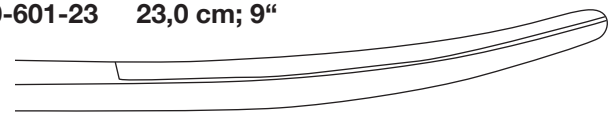
010-601-20 **20,0 cm; 8“**



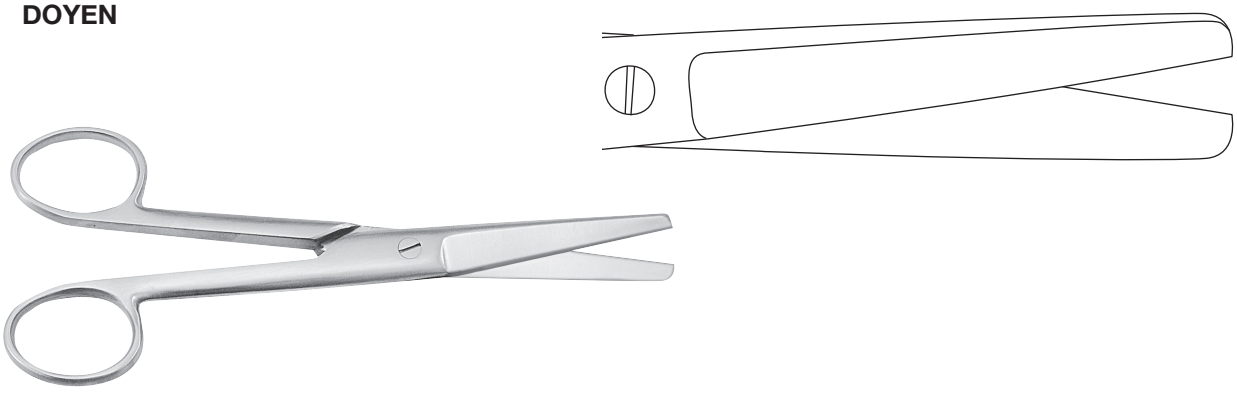
010-600-23 **23,0 cm; 9“**



010-601-23 **23,0 cm; 9“**



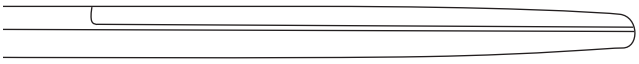
DOYEN



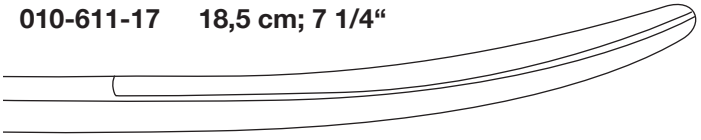
gerade | **straight** | recta | droite | retta

gebogen | **curved** | curva | courbe | curva

010-610-17 **18,5 cm; 7 1/4“**

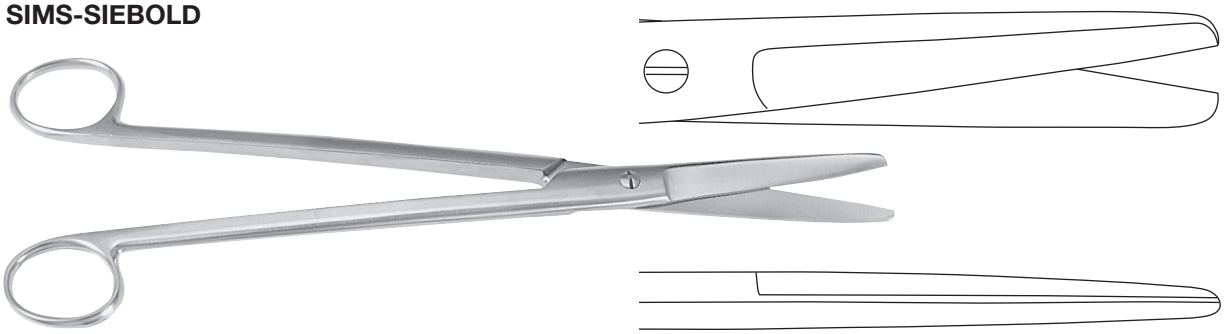


010-611-17 **18,5 cm; 7 1/4“**



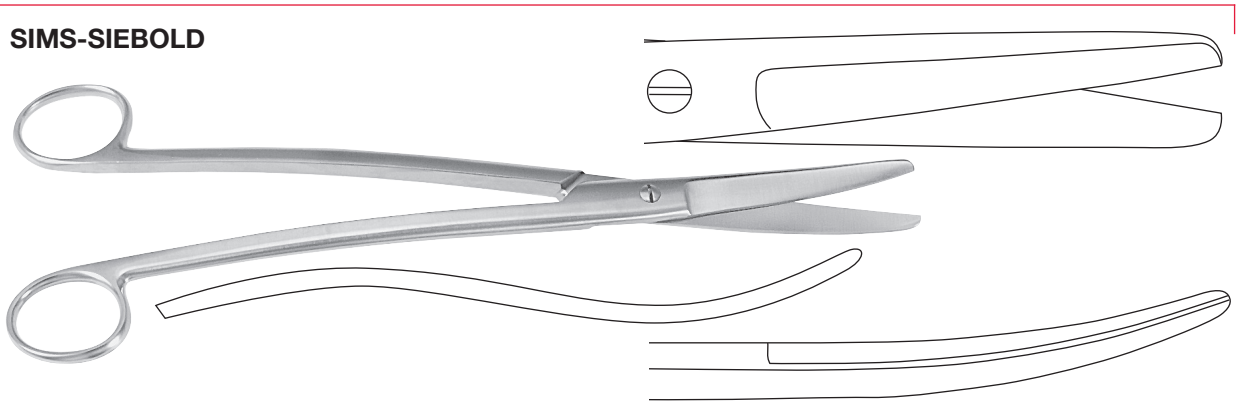
Art.Nr.	Beschreibung | *Description*

SIMS-SIEBOLD



010-618-24 24,5 cm; 9 3/4“

SIMS-SIEBOLD



010-620-24 24,5 cm; 9 3/4“

KELLY **Fistelscheren | Fistula Scissors**
Tijeras para fistulas | Ciseaux pour les fistules | Forbici per fistole





gerade | straight | recta | droite | retta

010-634-16 16,0 cm; 6 1/4“



010-634-18 18,0 cm; 7“



gebogen | curved | curva | courbe | curva

010-635-16 16,0 cm; 6 1/4“

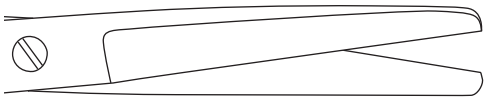


010-635-18 18,0 cm; 7“

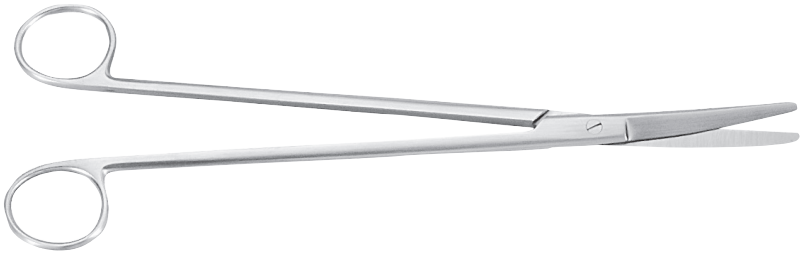


Art.Nr. **Beschreibung** | ***Description***

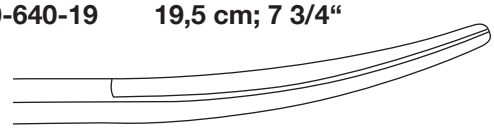
WERTHEIM



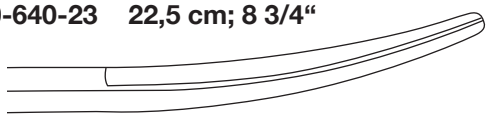
Uterusscheren | Uterine Scissors
Tijeras uterinas | Ciseaux utérins | Forbici da utero



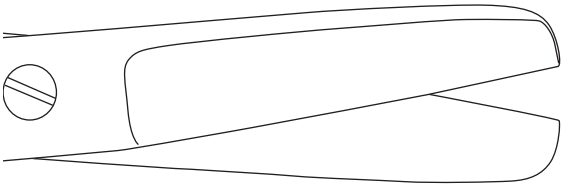
010-640-19 **19,5 cm; 7 3/4“**



010-640-23 **22,5 cm; 8 3/4“**



DUBOIS



Kephalotomiescheren | Decapitating Scissors
Tijeras para decapitacíon | Ciseaux à détroncation
Forbici per decapitazione



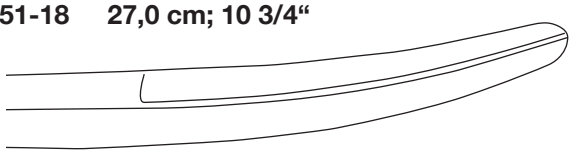
gerade | straight | recta | droite | retta

010-650-18 **27,0 cm; 10 3/4“**

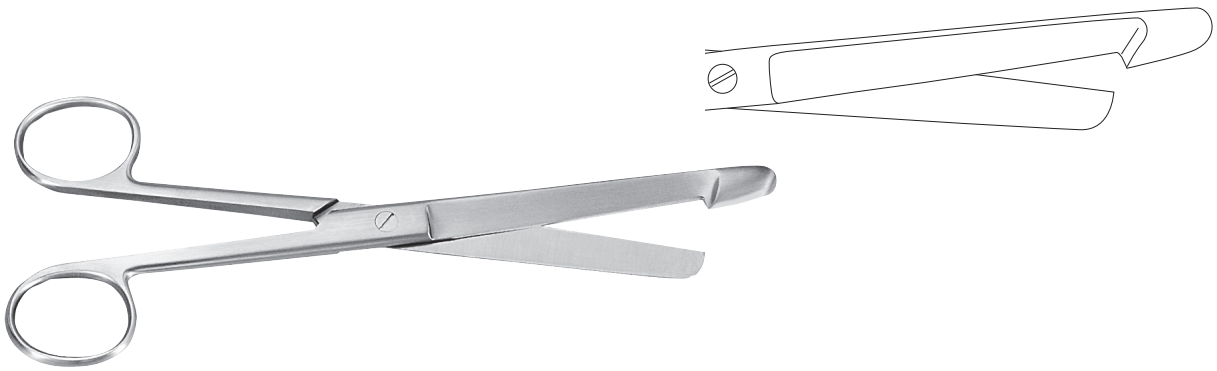


gebogen | curved | curva | courbe | curva

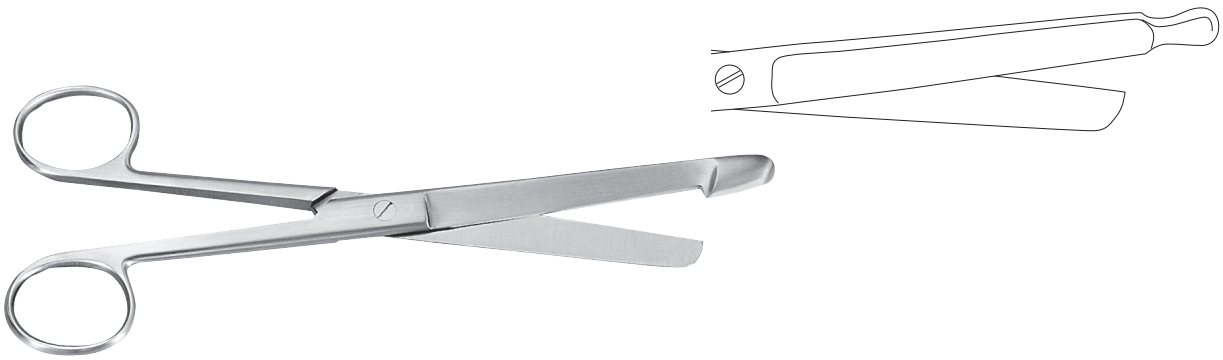
010-651-18 **27,0 cm; 10 3/4“**



Art.Nr.	Beschreibung | *Description*



010-672-21 **21,0 cm; 8 1/4“**



010-674-21 **21,0 cm; 8 1/4“**

LLOYD-DAVIES

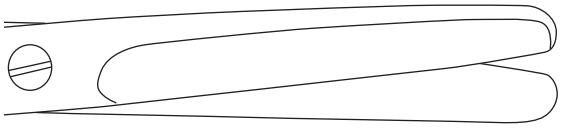


010-677-27 **27,0 cm; 10 3/4“**

Lungenlappen- und Rektumscheren
Lobectomy and Rectal Scissors
Tijeras para lobectomía y para el recto
Ciseaux à lobectomie et pour le rectum
Forbici per lobo polmonare e per il retto

Art.Nr. **Beschreibung | *Description***

STELZNER





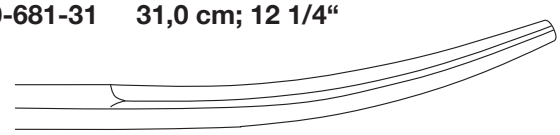
gerade | straight | recta | droite | retta

010-680-31 **31,0 cm; 12 1/4“**

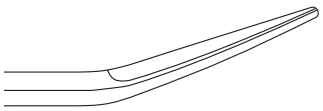


gebogen | curved | curva | courbe | curva

010-681-31 **31,0 cm; 12 1/4“**



Lungenlappen- und Rektumscheren
Lobectomy and Rectal Scissors
Tijeras para lobectomía y para el recto
Ciseaux à lobectomie et pour le rectum
Forbici per lobo polmonare e per il retto

Art.Nr.	Beschreibung | *Description*
	FINOCHIETTO
	
010-693-27	**27,0 cm; 10 3/4“**
	

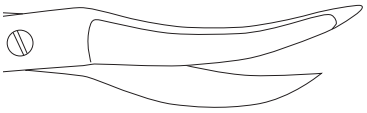
All sizes and lengths specified in this catalogue are as accurately as possible. Variations may occur. We reseve the right to modify products without customers notice.

Dammscheren (Episiotomie)
Perineum Scissors (Episiotomy)
Tijeras para perineo (Episiotomía)
Ciseaux á périnée (Épisiotomie)
Forbici per perineo (Episiotomia)

Art.Nr.	Beschreibung | *Description*

WALDMANN



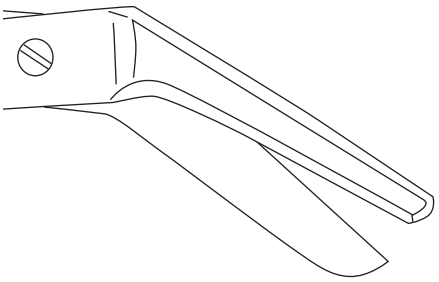


010-695-18 18,0 cm; 7“

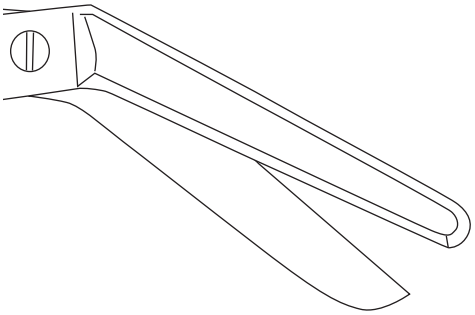
BRAUN-STADLER



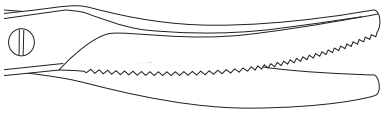
010-701-14 14,5 cm; 5 3/4“



010-701-20 22,0 cm; 8 3/4“

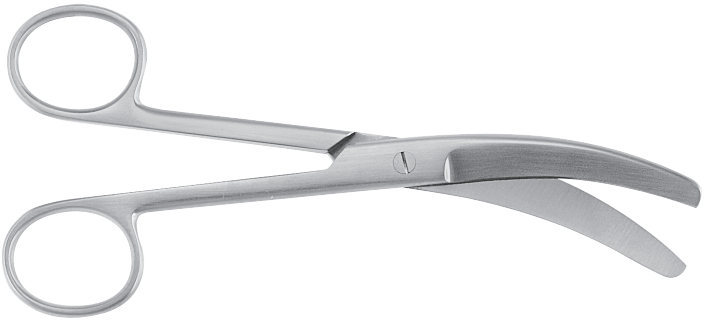
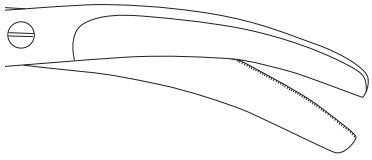
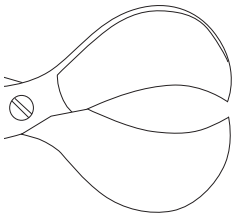
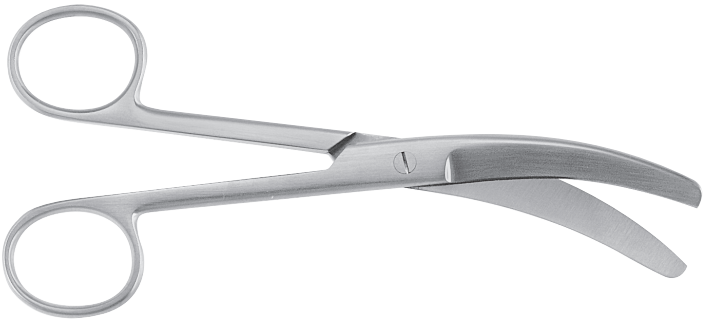
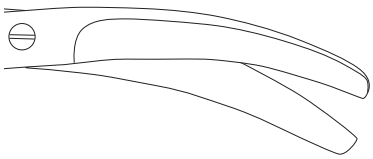
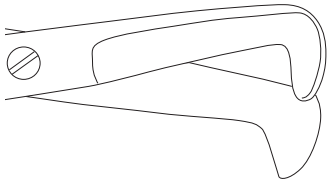






010-703-20 20,0 cm; 8“

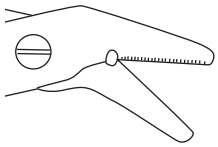
Nabelschnur-Scheren
Umbilical Cord Scissors
Tijeras umbilicales
Ciseaux pour le cordon ombilical
Forbici ombelicali

Art.Nr.	Beschreibung | *Description*
	BUSCH
	 
010-705-16	**16,0 cm; 6 1/4“**
	USA MODELL
	 
010-706-10	**10,5 cm; 4 1/4“**
	BUSCH
	 
010-707-16	**16,0 cm; 6 1/4“**
	SCHUMACHER
	 
010-709-16	**16,0 cm; 6 1/4“**

Art.Nr.	Beschreibung | *Description*

UNIVERSAL **für weiche Drähte bis Ø 0,4 mm**
for soft wires up to Ø 0,4 mm
para alambres blandos hasta Ø 0,4 mm
pour fils mous jusqu'à Ø 0,4 mm
per fili morbidi fino a Ø 0,4 mm





010-800-12 **12,0 cm; 4 3/4“**

BEEBEE





stumpf | blunt | romo | mousse | smusso

gerade | straight | recta | droite | retta

010-826-10 **10,5 cm; 4 1/8“**



gebogen | curved | curva | courbe | curva

010-827-10 **10,5 cm; 4 1/8“**



BEEBEE

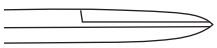




spitz | sharp | agudo | pointu | acuto

gerade | straight | recta | droite | retta

010-828-10 **10,5 cm; 4 1/8“**



gebogen | curved | curva | courbe | curva

010-829-10 **10,5 cm; 4 1/8“**

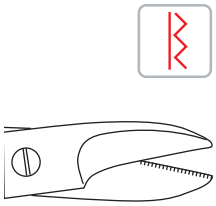


Drahtscheren; Zahnfleischscheren
Wire cutting Scissors; Gum Scissors
Tijeras para cortar alambres; Tijeras para encías
Ciseaux coupe-fils; Ciseaux à gencive
Forbici per filo metallico; Forbici per gengiva

Art.Nr. **Beschreibung | *Description***

BEEBEE

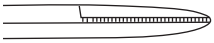




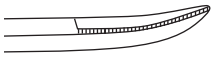
gerade | straight | recta | droite | retta

gebogen | curved | curva | courbe | curva

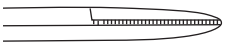
010-830-10 **10,5 cm; 4 1/8“**



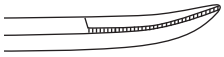
010-831-10 **10,5 cm; 4 1/8“**



010-830-12 **12,5 cm; 4 6/8“**

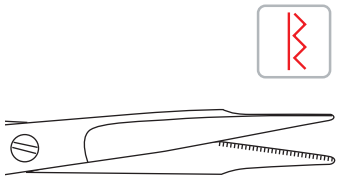


010-831-12 **12,5 cm; 4 6/8“**



GOLDMAN-FOX





gerade | straight | recta | droite | retta

gebogen | curved | curva | courbe | curva

010-880-13 **13,0 cm; 5“**

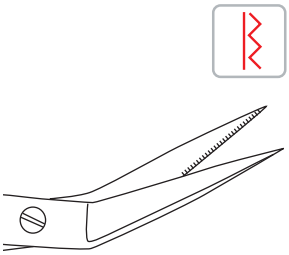


010-881-13 **13,0 cm; 5“**

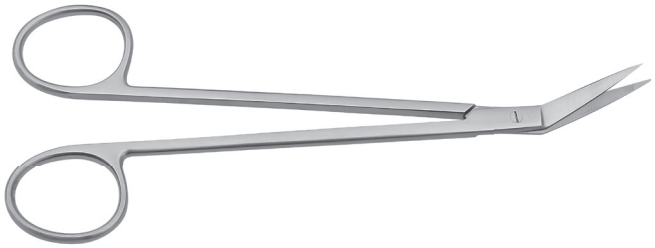


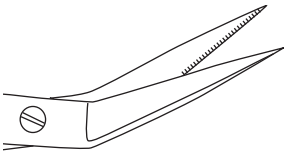
Art.Nr.	Beschreibung | *Description*
	LOCKLIN





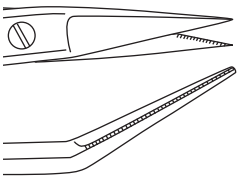
010-890-16	16,0 cm; 6 1/4“
	LOCKLIN





010-891-16	16,0 cm; 6 1/4“
	DEAN





010-893-17	17,0 cm; 6 3/4“
	LA GRANGE

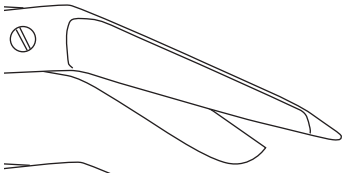
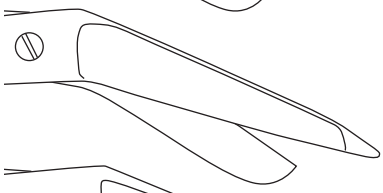
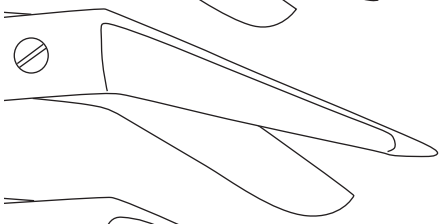
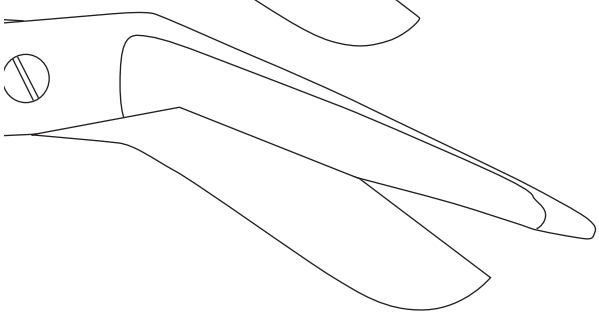




010-895-11	11,5 cm; 4 1/2“

Art.Nr.	Beschreibung | *Description*
	LISTER

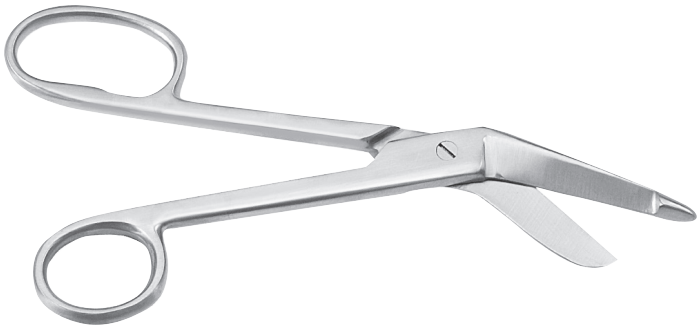


010-900-09	**9,0 cm; 3,6“**	
010-900-11	**11,0 cm; 4 3/8“**	
010-900-14	**14,0 cm; 5 1/2“**	
010-900-15	**15,5 cm; 6,2“**	
010-900-18	**18,0 cm; 7“**	
010-900-20	**20,0 cm; 8“**	

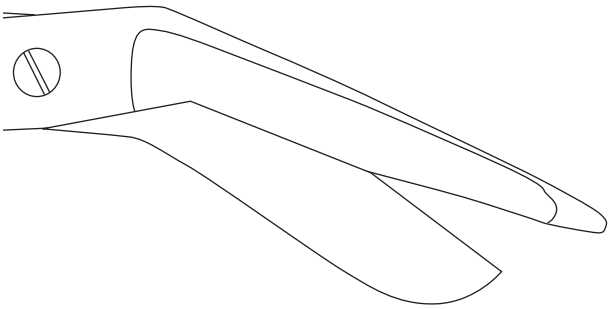
Art.Nr.	Beschreibung | *Description*

LISTER

1 großer Ring | 1 big ring | 1 anillo grande | **1** anneau grand | **1** anello grande



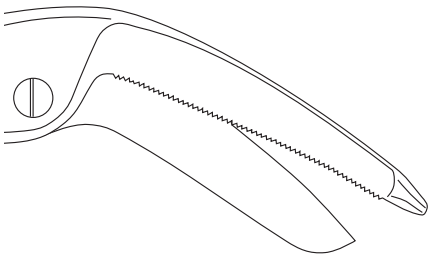
010-901-21 **21,0 cm; 8 1/4“**



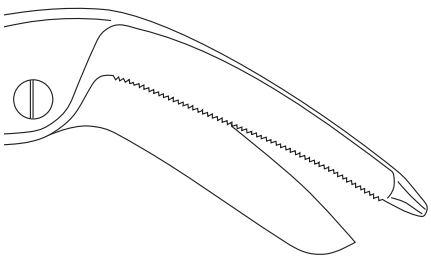
LISTER-EXCENTRIC



010-903-16 **16,0 cm; 6 1/4“**



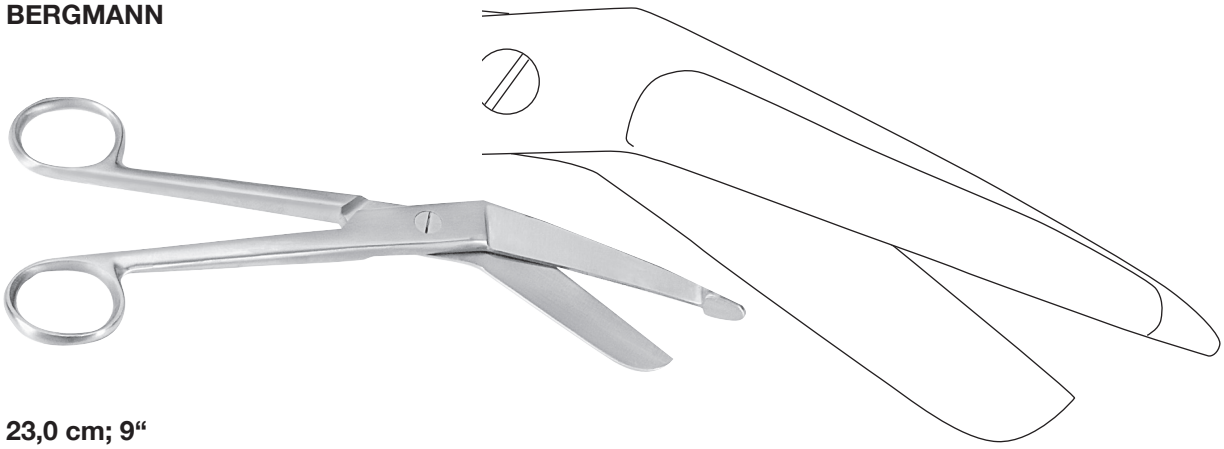
010-903-19 **19,0 cm; 7 1/2“**



Verbandsscheren; Gipsscheren
Bandage Scissors; Plaster shears
Tijeras para vendajes; Tijeras para yeso
Ciseaux pour pansement; Ciseaux pour plâtre
Forbici per bendaggi; Forbici per gesso

Art.Nr.	Beschreibung | *Description*

BERGMANN

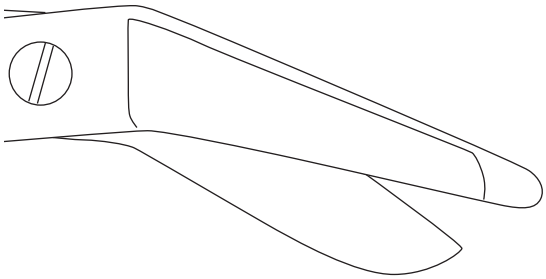


010-905-23 23,0 cm; 9“

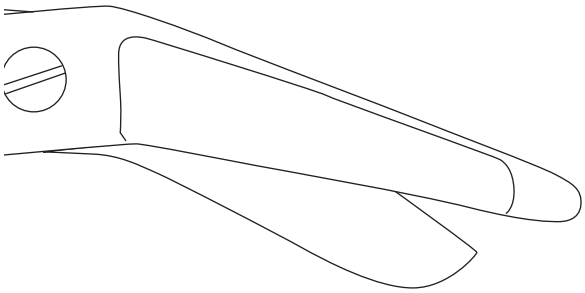
ESMARCH



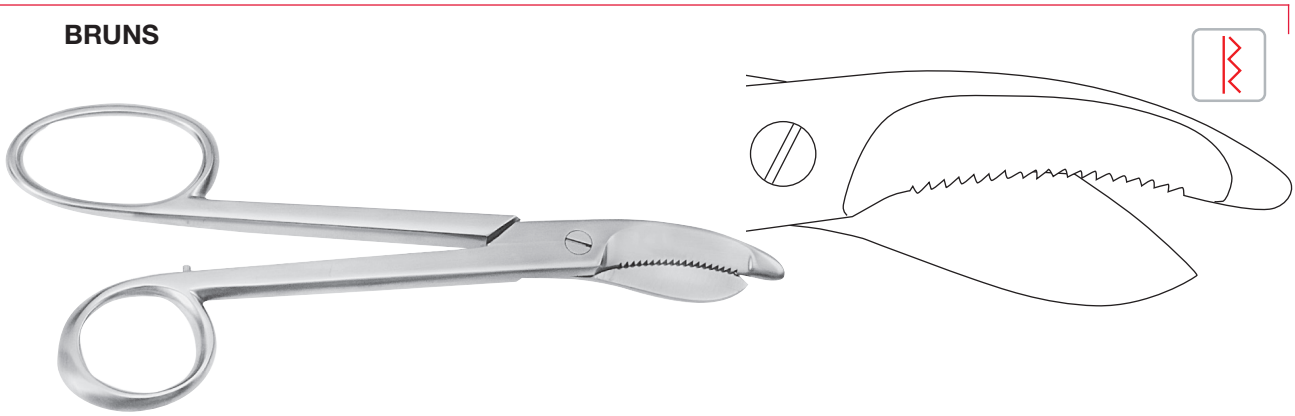
010-907-20 20,0 cm; 8“



010-907-22 22,0 cm; 8 3/4“



BRUNS

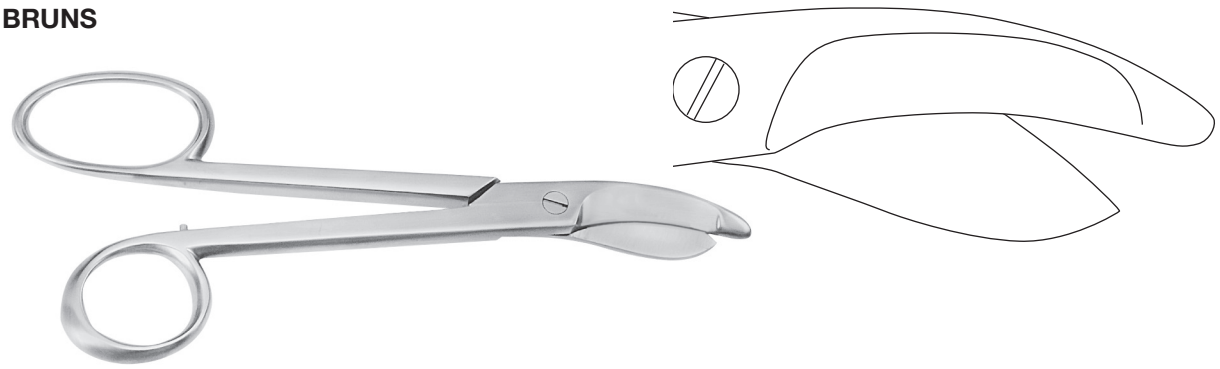


010-909-24 24,0 cm; 9 1/2“

Verbandsscheren; Gipsscheren
Bandage Scissors; Plaster shears
Tijeras para vendajes; Tijeras para yeso
Ciseaux pour pansement; Ciseaux pour plâtre
Forbici per bendaggi; Forbici per gesso

Art.Nr.	Beschreibung | *Description*

BRUNS



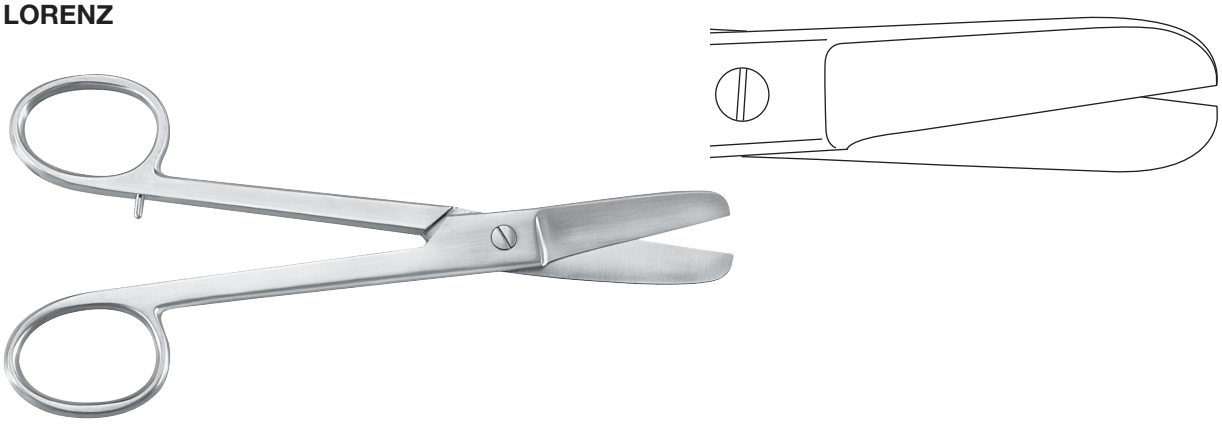
010-910-24 24,0 cm; 9 1/2“

KNOWLES



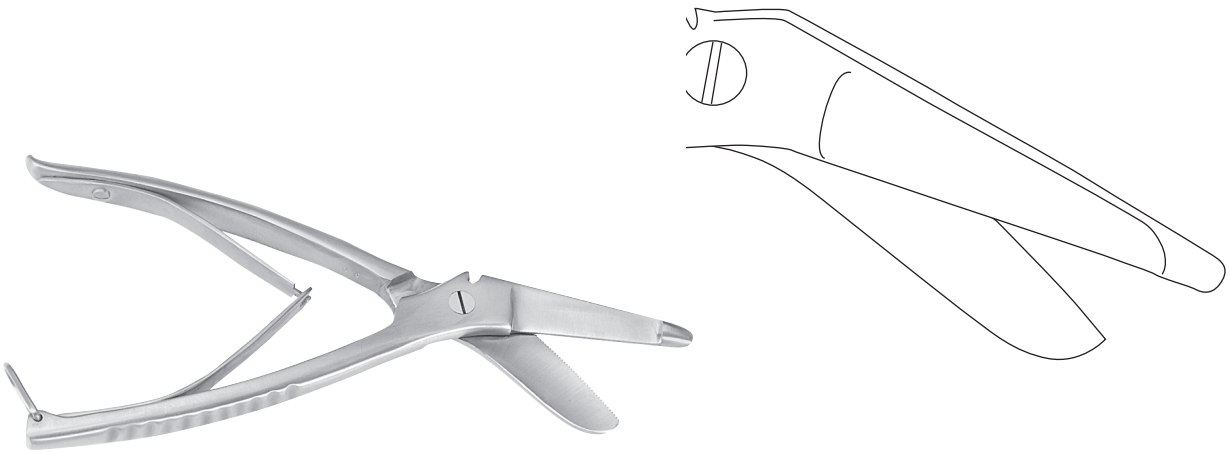
010-920-14 14,0 cm; 5 1/2“

LORENZ



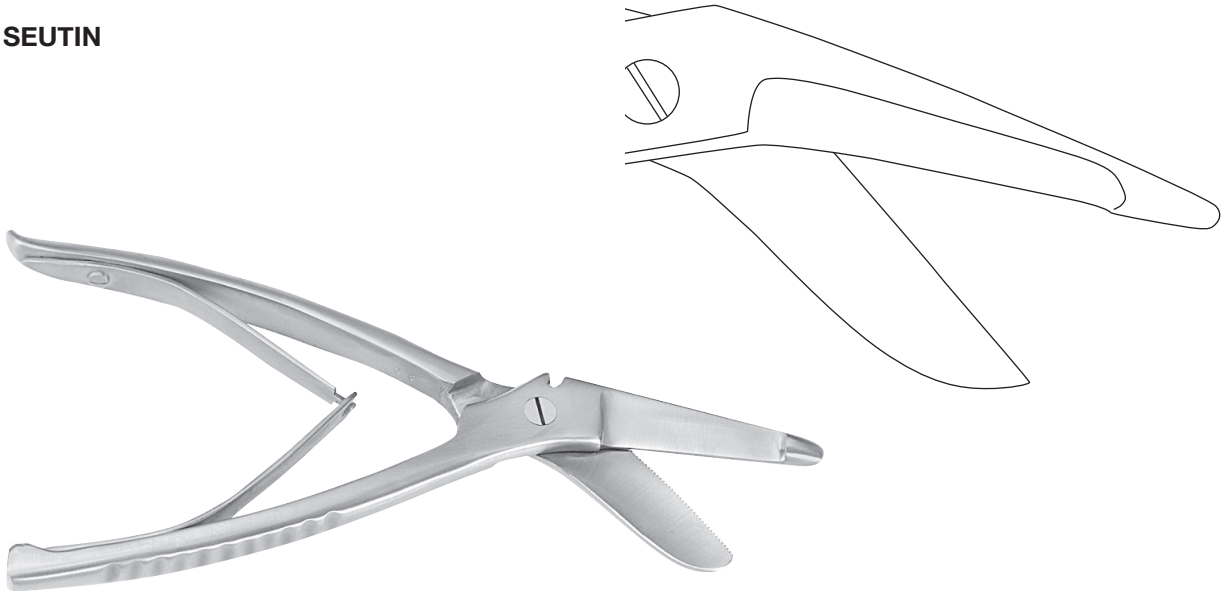
010-930-23 23,0 cm; 9“

Art.Nr.	Beschreibung | *Description*



010-941-20 **20,0 cm; 8“**

SEUTIN



010-943-23 **23,0 cm; 9“**

Art.Nr.	Beschreibung | *Description*

UNIVERSAL
autoclavable



010-950-14black [●]
14,0 cm; 5 1/2“

010-950-14blue [●]
14,0 cm; 5 1/2“

010-950-14orange [●]
14,0 cm; 5 1/2“

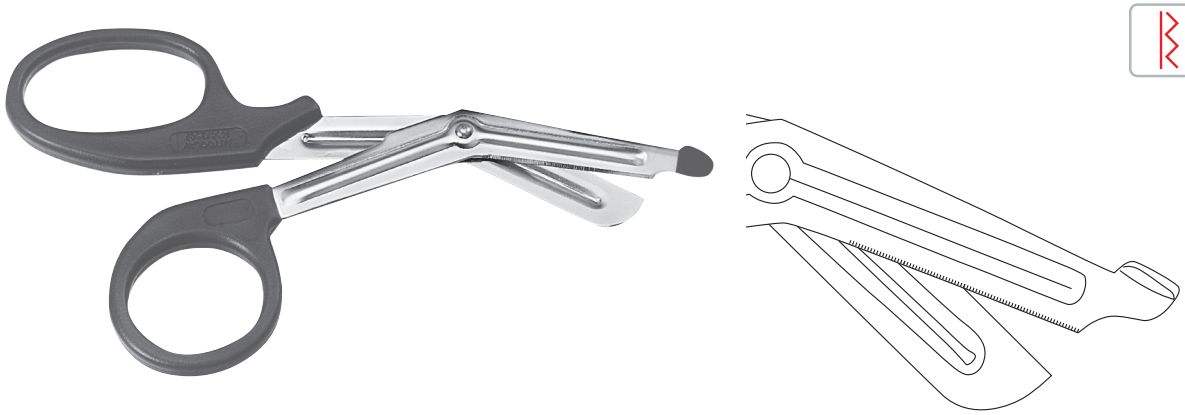
010-950-14red [●]
14,0 cm; 5 1/2“

010-950-14yellow [●]
14,0 cm; 5 1/2“

010-950-14green [●]
14,0 cm; 5 1/2“

010-950-14pink [●]
14,0 cm; 5 1/2“

010-950-14violett [●]
14,0 cm; 5 1/2“



010-950-18black [●]
18,0 cm; 7“

010-950-18blue [●]
18,0 cm; 7“

010-950-18orange [●]
18,0 cm; 7“

010-950-18red [●]
18,0 cm; 7“

010-950-18yellow [●]
18,0 cm; 7“

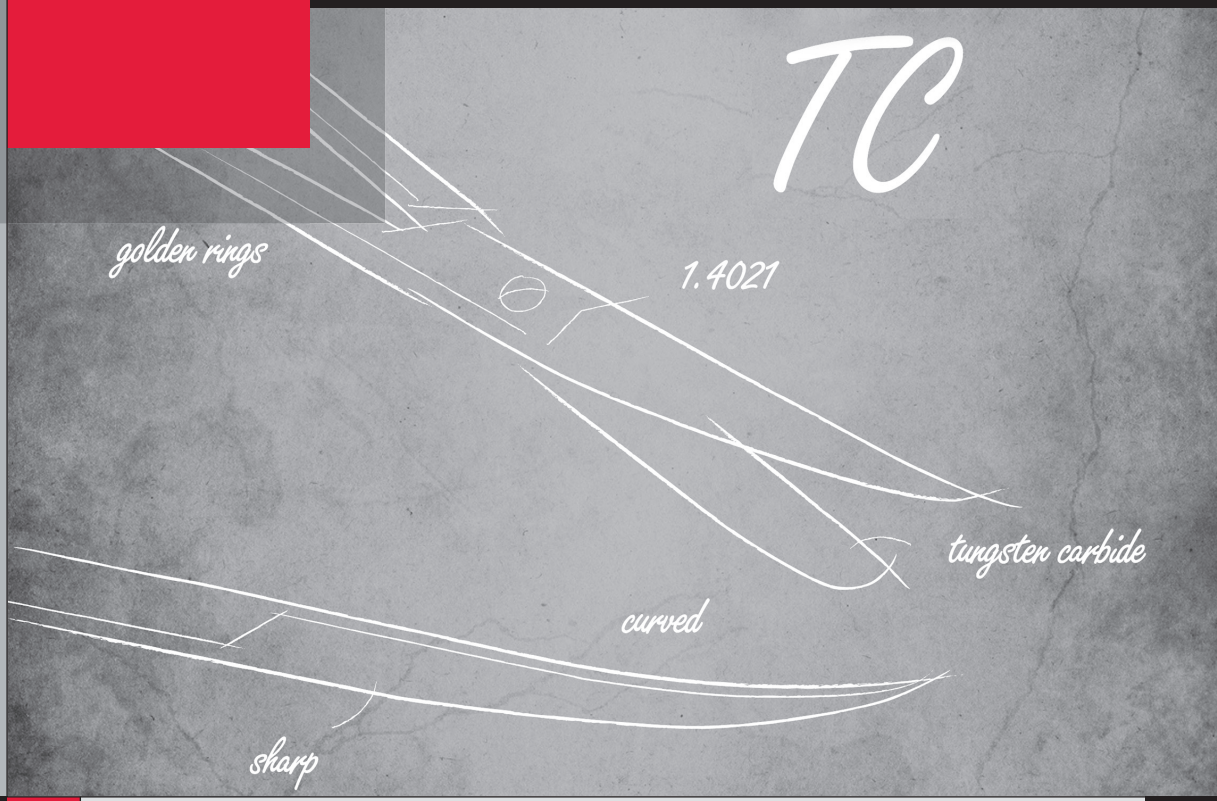
010-950-18green [●]
18,0 cm; 7“

010-950-18pink [●]
18,0 cm; 7“

010-950-18violett [●]
18,0 cm; 7“

TONTARRA

OPEN SURGERY



TC Scheren

TC Scissors

TC Tijeras

TC Ciseaux

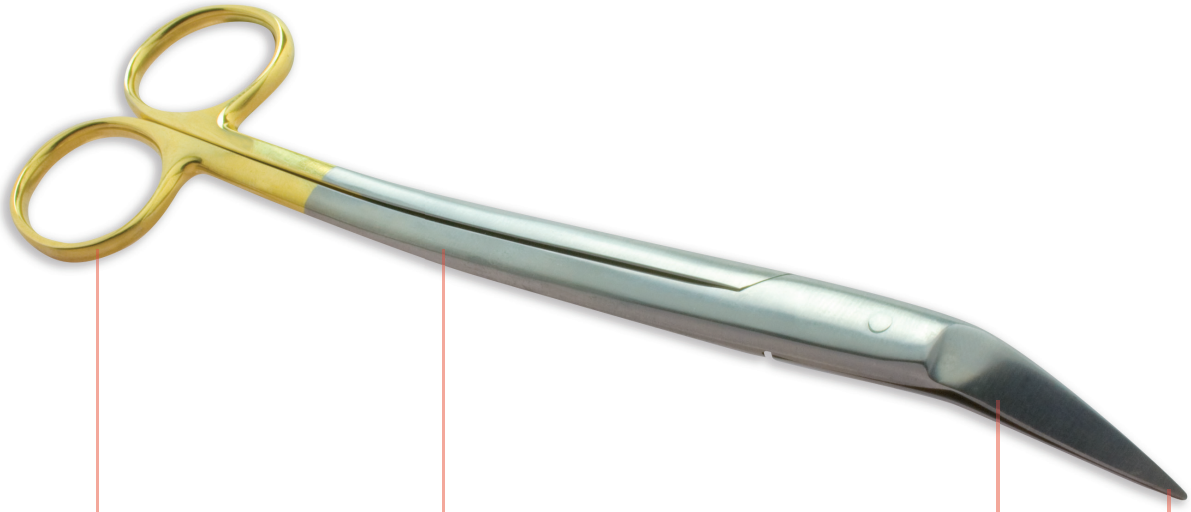
TC Forbici

011

Scheren mit Hartmetallschneiden
Scissors with Tungsten Carbide Edges
Tijeras con filos de carburo tungsteno
Ciseaux avec des fils en carbure de tungstène
Forbici con taglio in carburo di tungsteno

TC

hohe Wirtschaftlichkeit; lange Lebensdauer
economical; long lasting performance
alta rentabilidad; larga duración de vida
économique; durée de service longe
risparmi sul costo; prestazioni di lunga durata



durchgehend gehärtet
fully tempered
completamente templado
complétement trempé
completamente temperato

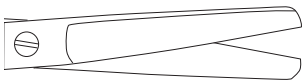
glatter weicher Schnitt
smooth cutting
corte liso y suave
incision lisse et douce
taglio liscio

vergoldete Ringe zur schnellen Identifikation
goldplated rings for easy identification
anillos dorados para su identificación fácil
anneaux dorés pour une identification facile
anelli bagnati in oro permettono una piú semplice identificazione

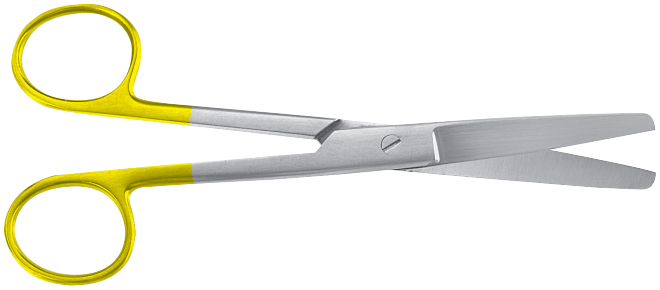
hervorragende Schnitthaltigkeit
excellent cutting action
excelente agudeza corte de
coupe fine
eccellente accuratezza del taglio

Art.Nr.	Beschreibung | *Description*

STANDARD



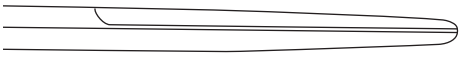
TC



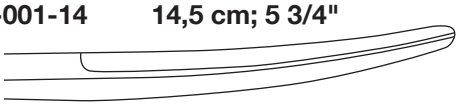
gerade | straight | recta | droite | retta

gebogen | curved | curva | courbe | curva

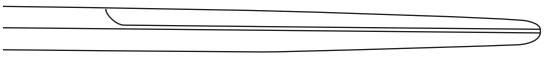
011-000-14 14,5 cm; 5 3/4"



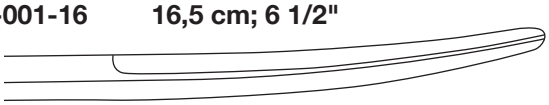
011-001-14 14,5 cm; 5 3/4"



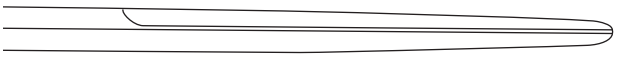
011-000-16 16,5 cm; 6 1/2"



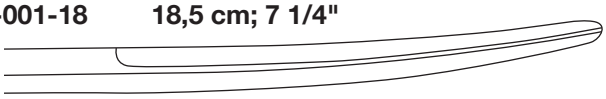
011-001-16 16,5 cm; 6 1/2"



011-000-18 18,5 cm; 7 1/4"



011-001-18 18,5 cm; 7 1/4"



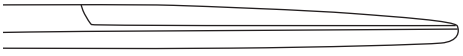


TC

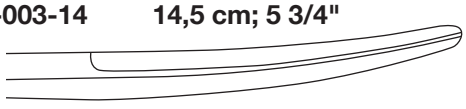
gerade | straight | recta | droite | retta

gebogen | curved | curva | courbe | curva

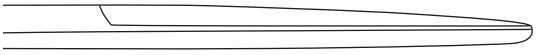
011-002-14 14,5 cm; 5 3/4"



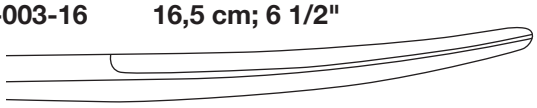
011-003-14 14,5 cm; 5 3/4"



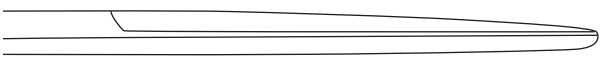
011-002-16 16,5 cm; 6 1/2"



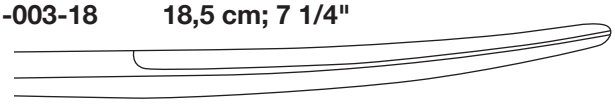
011-003-16 16,5 cm; 6 1/2"



011-002-18 18,5 cm; 7 1/4"



011-003-18 18,5 cm; 7 1/4"

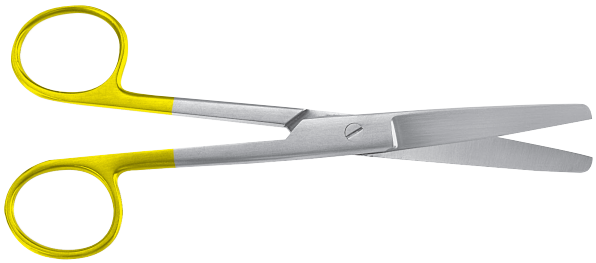


Art.Nr.	Beschreibung | *Description*

STANDARD



TC



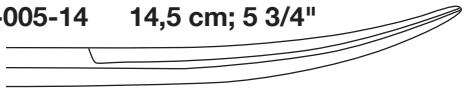
gerade | straight | recta | droite | retta

gebogen | curved | curva | courbe | curva

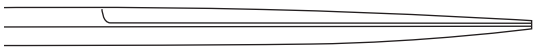
011-004-14 14,5 cm; 5 3/4"



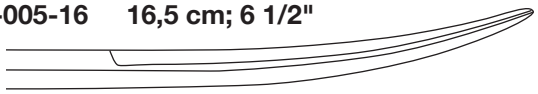
011-005-14 14,5 cm; 5 3/4"



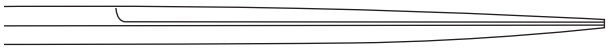
011-004-16 16,5 cm; 6 1/2"



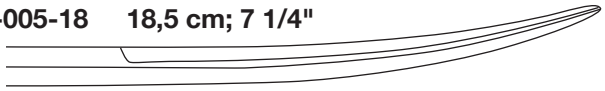
011-005-16 16,5 cm; 6 1/2"



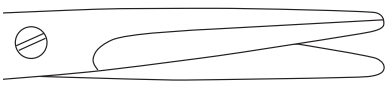
011-004-18 18,5 cm; 7 1/4"



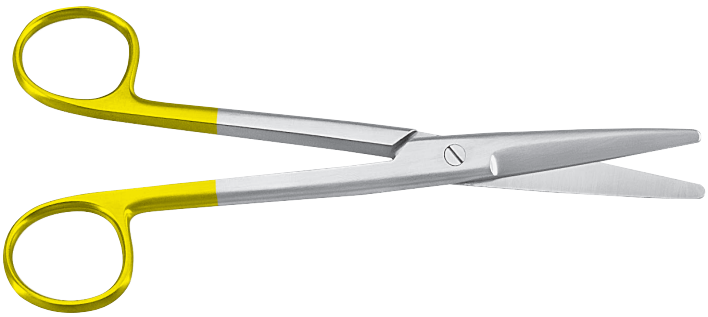
011-005-18 18,5 cm; 7 1/4"



MAYO



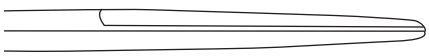
TC



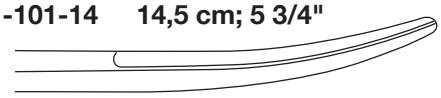
gerade | straight | recta | droite | retta

gebogen | curved | curva | courbe | curva

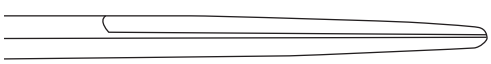
011-100-14 14,5 cm; 5 3/4"



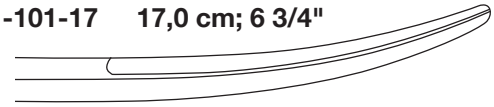
011-101-14 14,5 cm; 5 3/4"



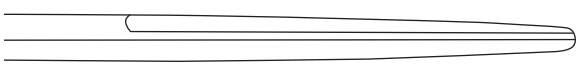
011-100-17 17,0 cm; 6 3/4"



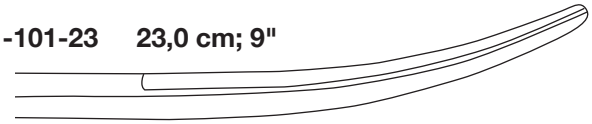
011-101-17 17,0 cm; 6 3/4"



011-100-23 23,0 cm; 9"

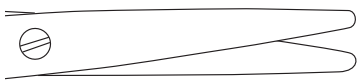


011-101-23 23,0 cm; 9"



Art.Nr.	Beschreibung | *Description*

MAYO-STILLE



TC



gerade | straight | recta | droite | retta

011-102-15 15,0 cm; 6"

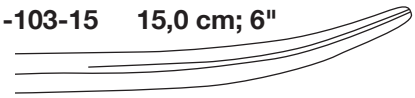


011-102-17 17,0 cm; 6 3/4"

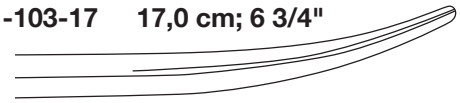


gebogen | curved | curva | courbe | curva

011-103-15 15,0 cm; 6"



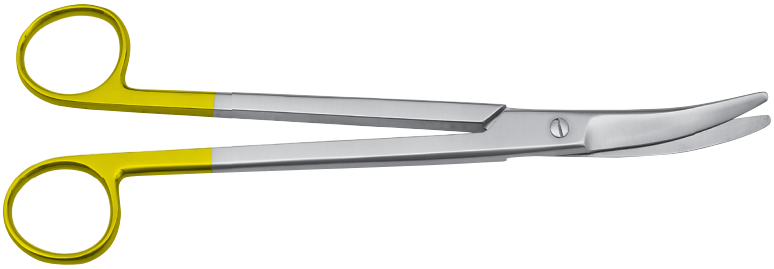
011-103-17 17,0 cm; 6 3/4"



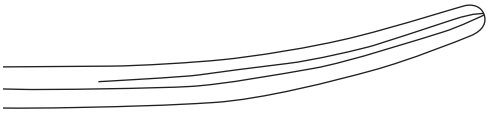
PARAMETRIUM

TC

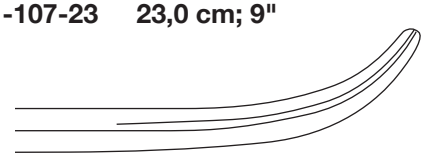
kräftiges Modell | heavy pattern | modelo fuerte | modèle fort | modello forte



011-107-22 22,5 cm; 8 3/4"



011-107-23 23,0 cm; 9"

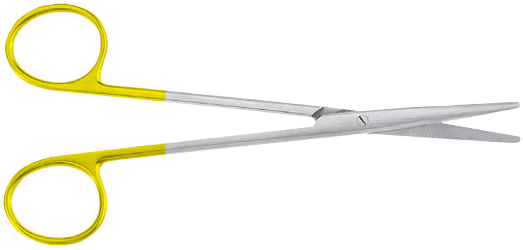


Art.Nr.	Beschreibung | *Description*

BABY-METZENBAUM



TC



gerade | straight | recta | droite | retta

gebogen | curved | curva | courbe | curva

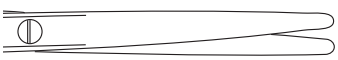
011-110-11 **11,5 cm; 4 1/2"**



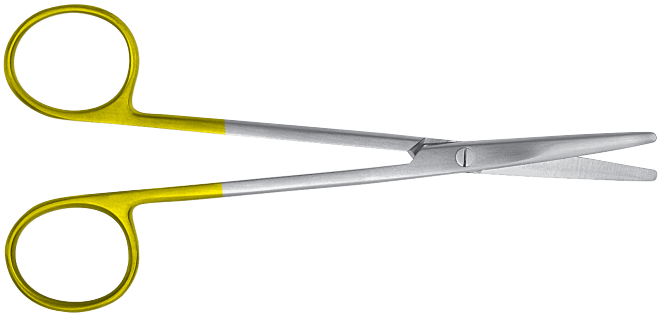
011-111-11 **11,5 cm; 4 1/2"**



METZENBAUM



TC



gerade | straight | recta | droite | retta

gebogen | curved | curva | courbe | curva

011-110-14 **14,5 cm; 5 3/4"**

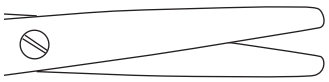


011-111-14 **14,5 cm; 5 3/4"**

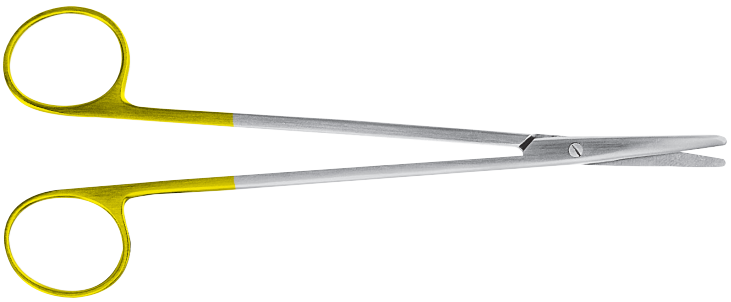


Art.Nr. **Beschreibung** | ***Description***

METZENBAUM-NELSON



TC



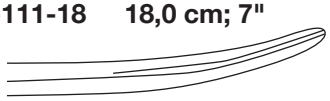
gerade | straight | recta | droite | retta

gebogen | curved | curva | courbe | curva

011-110-18 **18,0 cm; 7"**



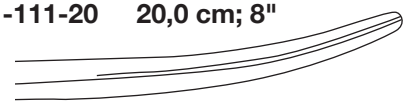
011-111-18 **18,0 cm; 7"**



011-110-20 **20,0 cm; 8"**



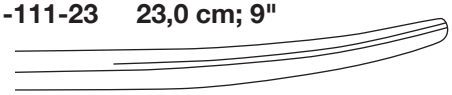
011-111-20 **20,0 cm; 8"**



011-110-23 **23,0 cm; 9"**



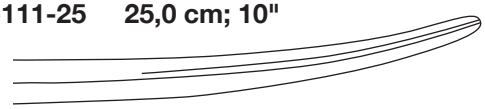
011-111-23 **23,0 cm; 9"**



011-110-25 **25,0 cm; 10"**



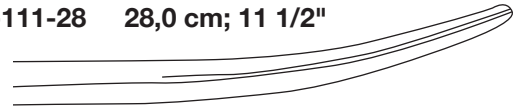
011-111-25 **25,0 cm; 10"**



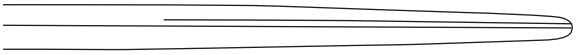
011-110-28 **28,0 cm; 11 1/2"**



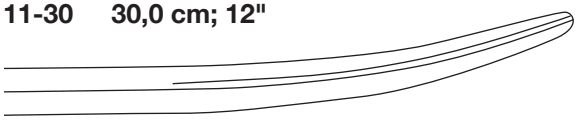
011-111-28 **28,0 cm; 11 1/2"**



011-110-30 **30,0 cm; 12"**



011-111-30 **30,0 cm; 12"**



Art.Nr. **Beschreibung** | ***Description***

METZENBAUM-FINO



TC



gerade | **straight** | recta | droite | retta

gebogen | **curved** | curva | courbe | curva

011-120-14 **14,5 cm; 5 3/4"**



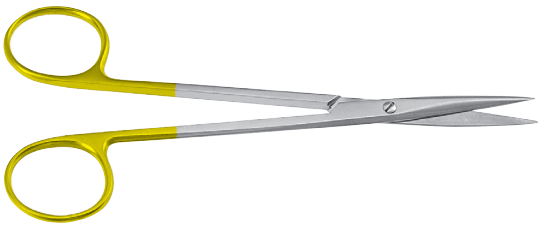
011-121-14 **14,5 cm; 5 3/4"**



METZENBAUM-FINO



TC



gerade | **straight** | recta | droite | retta

gebogen | **curved** | curva | courbe | curva

011-124-14 **14,5 cm; 5 3/4"**

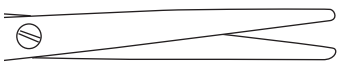


011-125-14 **14,5 cm; 5 3/4"**

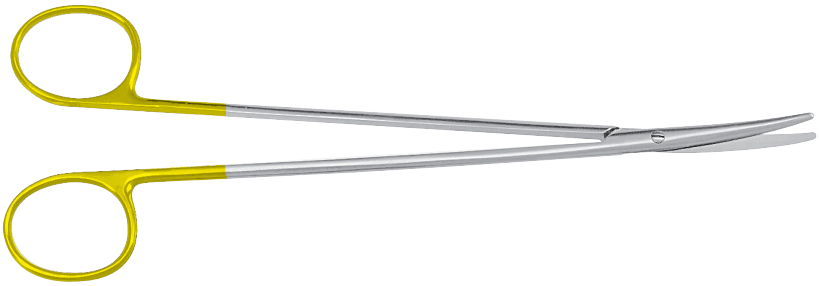


Art.Nr. **Beschreibung** | ***Description***

METZENBAUM-FINO



TC



gerade | straight | recta | droite | retta

gebogen | curved | curva | courbe | curva

011-120-18 **18,0 cm; 7"**



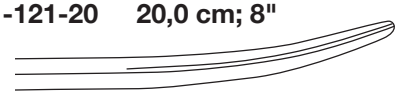
011-121-18 **18,0 cm; 7"**



011-120-20 **20,0 cm; 8"**



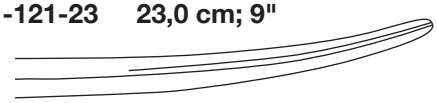
011-121-20 **20,0 cm; 8"**



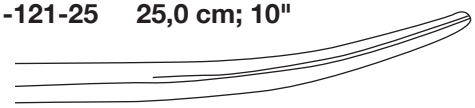
011-120-23 **23,0 cm; 9"**



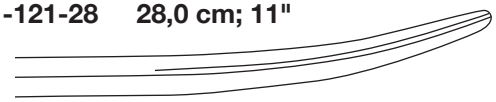
011-121-23 **23,0 cm; 9"**



011-121-25 **25,0 cm; 10"**

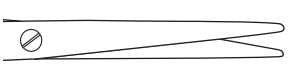


011-121-28 **28,0 cm; 11"**

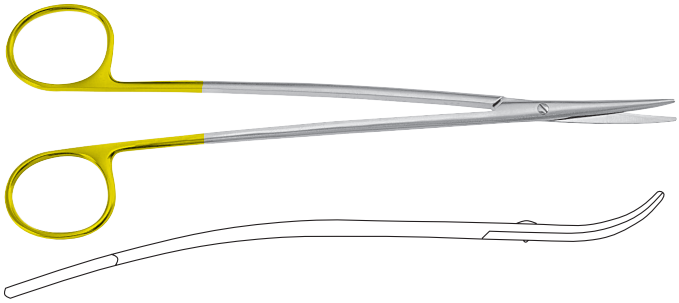


Art.Nr.	Beschreibung | *Description*

METZENBAUM-FINO S



TC



011-127-18 **18,0 cm; 7"**



011-127-23 **23,0 cm; 9"**

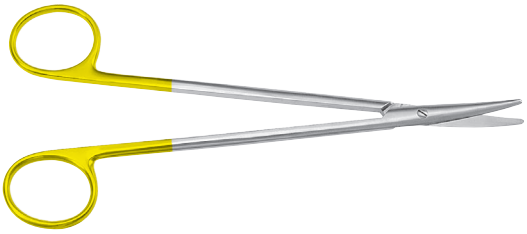


Art.Nr.	Beschreibung | *Description*

TOENNIS-ADSON



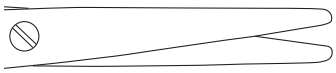
TC



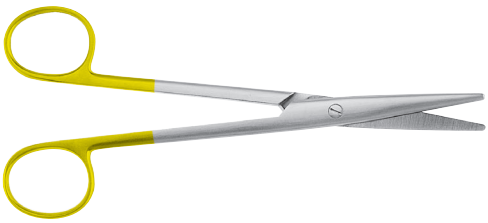
011-139-17 17,0 cm; 6 3/4"



LEXER



TC



gerade | straight | recta | droite | retta

011-140-16 16,0 cm; 6 1/4"

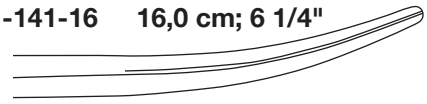


011-140-21 21,0 cm; 8 1/4"

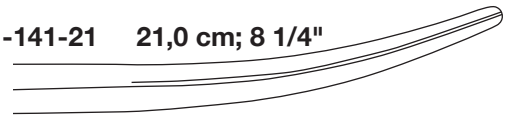


gebogen | curved | curva | courbe | curva

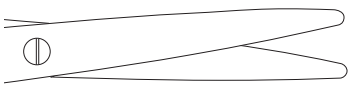
011-141-16 16,0 cm; 6 1/4"



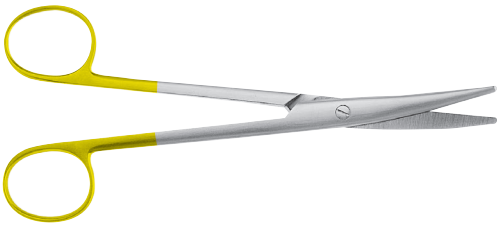
011-141-21 21,0 cm; 8 1/4"



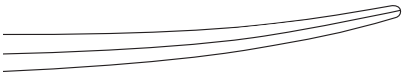
MAYO-LEXER



TC



011-145-16 16,0 cm; 6 1/4"

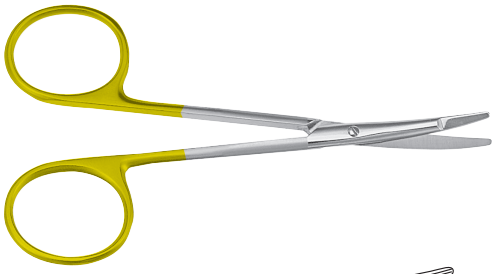


Art.Nr.	Beschreibung | *Description*

RAGNELL



TC



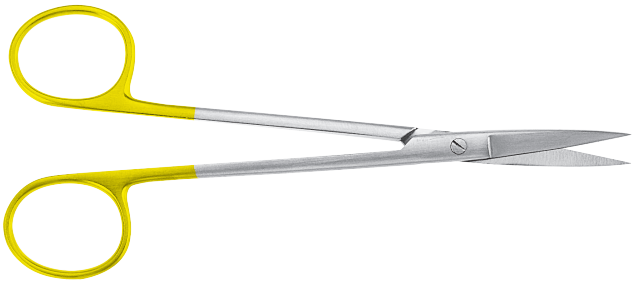
011-201-12 **12,5 cm; 5"**



JOSEPH



TC



gerade | straight | recta | droite | retta

011-228-14 **14,0 cm; 5 1/2"**



gebogen | curved | curva | courbe | curva

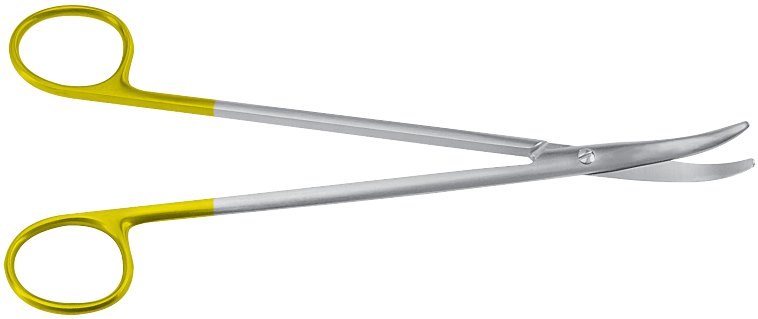
011-229-14 **14,0 cm; 5 1/2"**



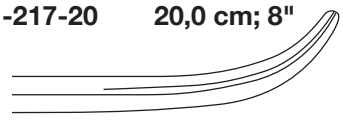
THOREK



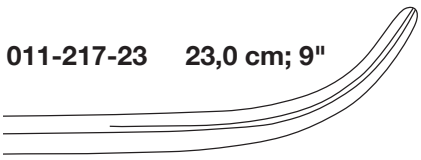
TC



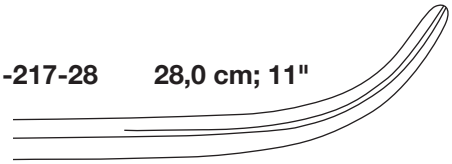
011-217-20 **20,0 cm; 8"**



011-217-23 **23,0 cm; 9"**



011-217-28 **28,0 cm; 11"**

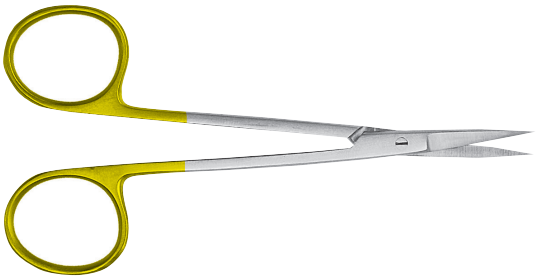


Art.Nr.	Beschreibung | *Description*

IRIS



TC



gerade | straight | recta | droite | retta

011-244-11 **11,5 cm; 4 1/2"**



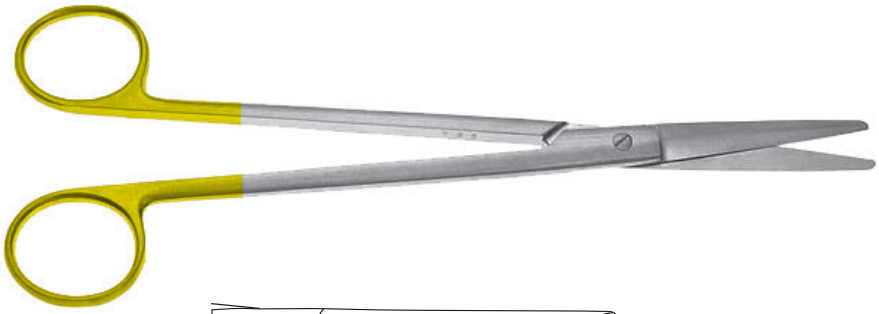
gebogen | curved | curva | courbe | curva

011-245-11 **11,5 cm; 4 1/2"**

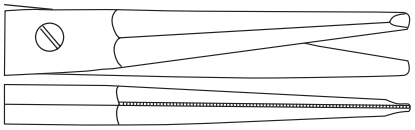


GORNEY

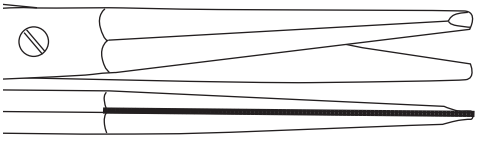
TC



011-332-20 **20,0 cm; 8"**



011-332-23 **23,0 cm; 9"**



Art.Nr. **Beschreibung** | ***Description***

REES

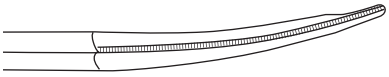


TC



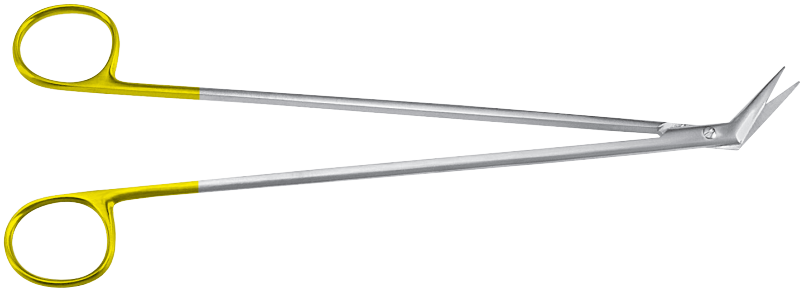
gebogen | **curved** | curva | courbe | curva

011-335-17 **17,0 cm; 6 3/4"**

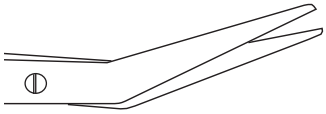


DE BAKEY

TC

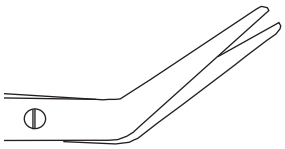


25°



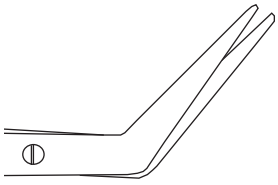
011-545-25 **23,0 cm; 9“**

45°



011-545-45 **23,0 cm; 9“**

60°



011-545-60 **23,0 cm; 9“**

Art.Nr. **Beschreibung** | ***Description***

SIMS

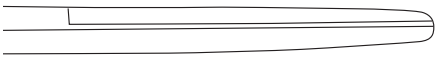


TC

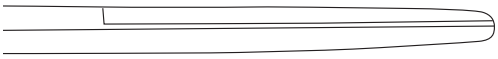


gerade | **straight** | recta | droite | retta

011-600-20 **20,0 cm; 8"**

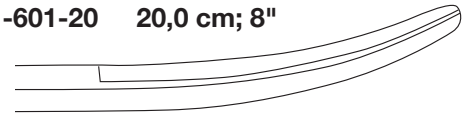


011-600-23 **23,0 cm; 9"**

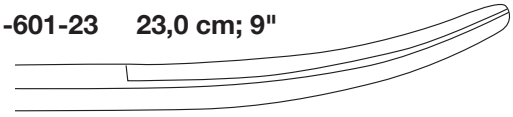


gebogen | **curved** | curva | courbe | curva

011-601-20 **20,0 cm; 8"**



011-601-23 **23,0 cm; 9"**



KELLY

TC

Fistelscheren | **Fistula Scissors**
Tijeras para fistulas | Ciseaux pour les fistules | Forbici per fistole



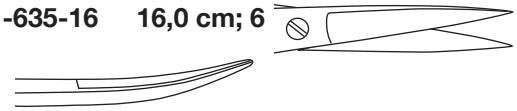
gerade | **straight** | recta | droite | retta

011-634-16 **16,0 cm; 6 1/4"**



gebogen | **curved** | curva | courbe | curva

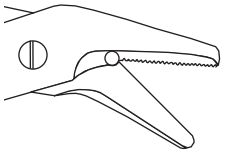
011-635-16 **16,0 cm; 6**



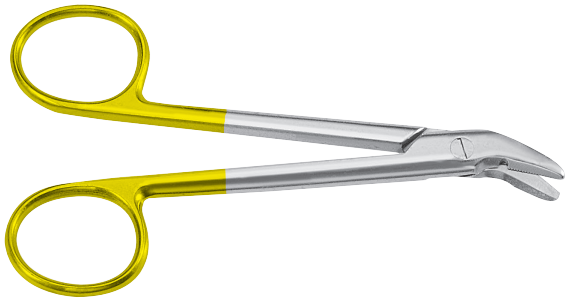
Drahtscheren; Zahnfleischscheren
Wire cutting Scissors; Gum Scissors
Tijeras para cortar alambres; Tijeras para encías
Ciseaux coupe-fils; Ciseaux à gencive
Forbici per filo metallico; Forbici per gengiva

Art.Nr.	Beschreibung | *Description*

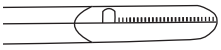
UNIVERSAL



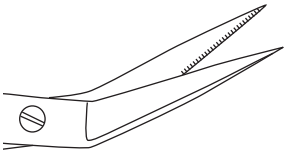
TC



011-800-12 12,0 cm; 4 3/4"



LOCKLIN

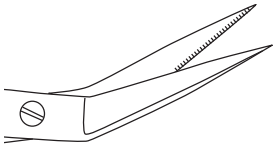


TC

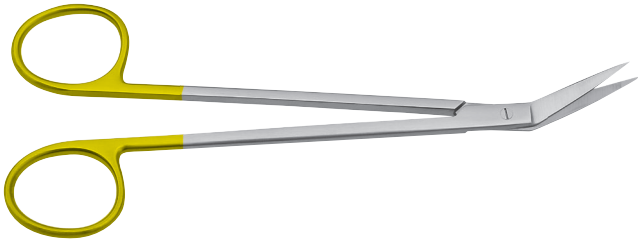


011-890-16 16,0 cm; 6 1/4"

LOCKLIN



TC



011-891-16 16,0 cm; 6 1/4"

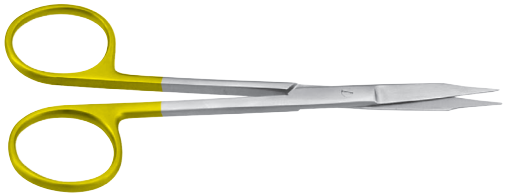
Drahtscheren; Zahnfleischscheren
Wire cutting Scissors; Gum Scissors
Tijeras para cortar alambres; Tijeras para encías
Ciseaux coupe-fils; Ciseaux à gencive
Forbici per filo metallico; Forbici per gengiva

Art.Nr.	Beschreibung | *Description*

GOLDMAN-FOX



TC



gerade | straight | recta | droite | retta

011-880-13 13,0 cm; 5"



gebogen | curved | curva | courbe | curva

011-881-13 13,0 cm; 5"



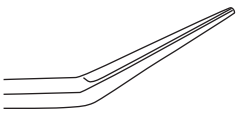
DEAN



TC



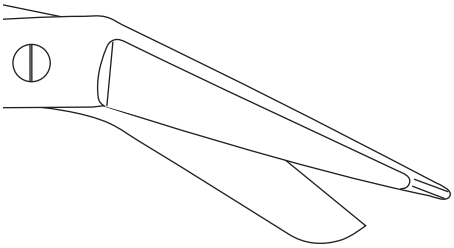
011-893-17 17,0 cm; 6 3/4"

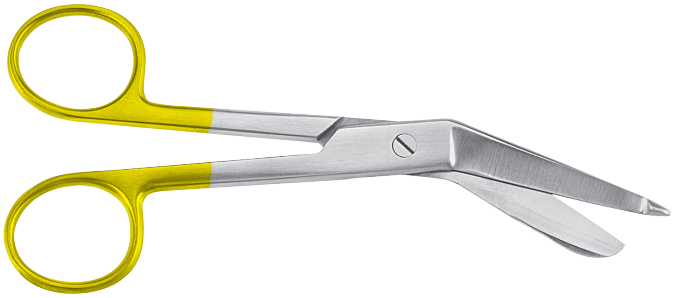


Verbandscheren; Gipsscheren
Bandage Scissors; Plaster Shears
Tijeras para vendajes; Tijeras para yeso
Ciseaux à pansement; Ciseaux à plâtre
Forbici per bendaggi; Forbici per gesso

Art.Nr.	Beschreibung | *Description*

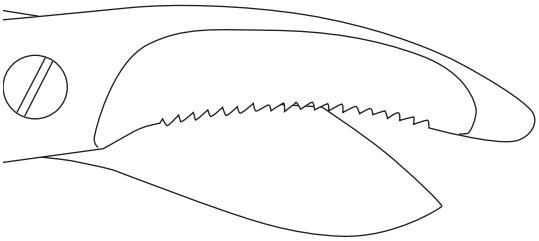
LISTER

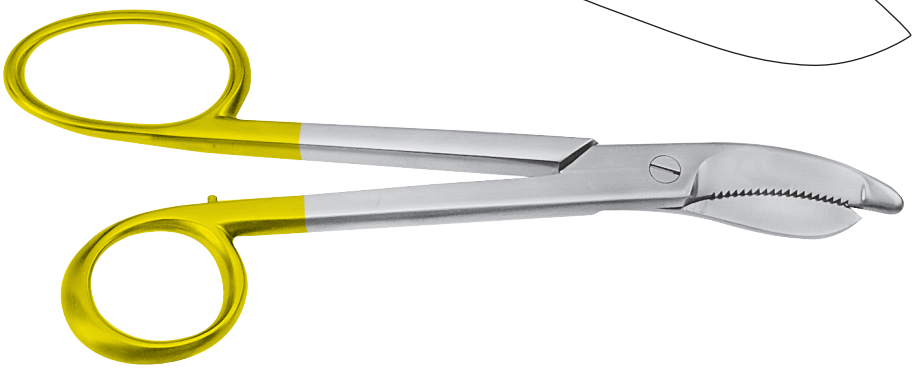




011-900-18 18,0 cm; 7"

BRUNS

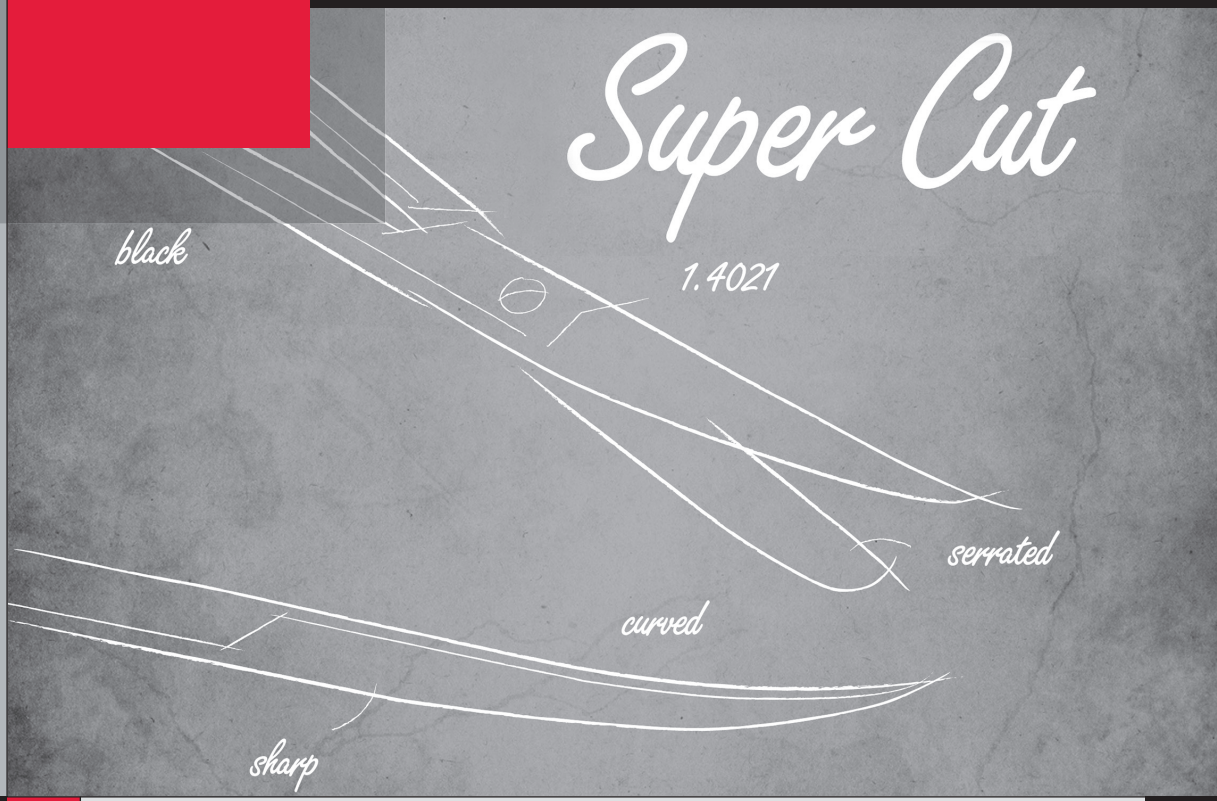




011-909-24 24,0 cm; 9 1/2"

TONTARRA

OPEN SURGERY



SC Scheren

SC Scissors

SC Tijeras

SC Ciseaux

SC Forbici

012

Super-Cut SC



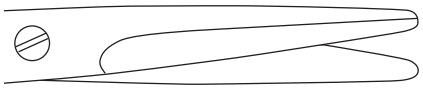
schwarze Ringe
black-plated rings
anillos negros
anneaux noirs
anelli neri

Messerschliff für optimalen Schnitt
knife edges for optimum cutting
corte tipo de bisturí para un corte óptimo
tranchant pour une incision optimale
affilatura a scalpello per un ottimo taglio

1 gezahntes Blatt verhindert das Herausgleiten des Gewebes
1 serrated blade prevents tissue from slipping out
1 hoja dentada impide el deslizamiento del tejido
1 lama dentée empêche le glissement de fissu
1 lama con dentura micro una lama con dentura micro impedisce di scivolare fuori dal tessuto.

Art.Nr. **Beschreibung | *Description***

MAYO



SC



gerade | straight | recta | droite | retta

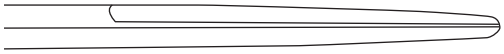
012-100-14 **14,5 cm; 5 3/4"**



012-100-17 **17,0 cm; 6 3/4"**

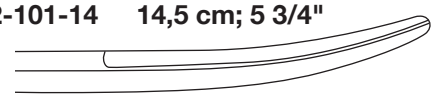


012-100-23 **23,0 cm; 9"**

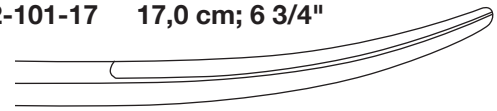


gebogen | curved | curva | courbe | curva

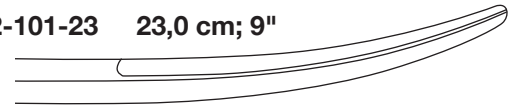
012-101-14 **14,5 cm; 5 3/4"**



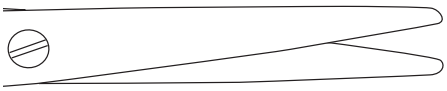
012-101-17 **17,0 cm; 6 3/4"**



012-101-23 **23,0 cm; 9"**



MAYO-STILLE



SC



gerade | straight | recta | droite | retta

012-102-15 **15,0 cm; 6"**

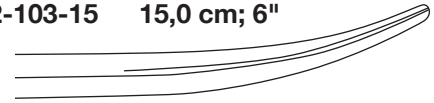


012-102-17 **17,0 cm; 6 3/4"**

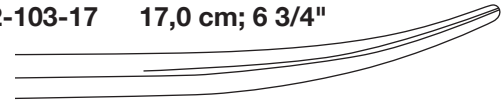


gebogen | curved | curva | courbe | curva

012-103-15 **15,0 cm; 6"**



012-103-17 **17,0 cm; 6 3/4"**



Art.Nr.	Beschreibung | *Description*

BABY-METZENBAUM



SC



gerade | straight | recta | droite | retta

gebogen | curved | curva | courbe | curva

012-110-11 **11,5 cm; 4 1/2"**



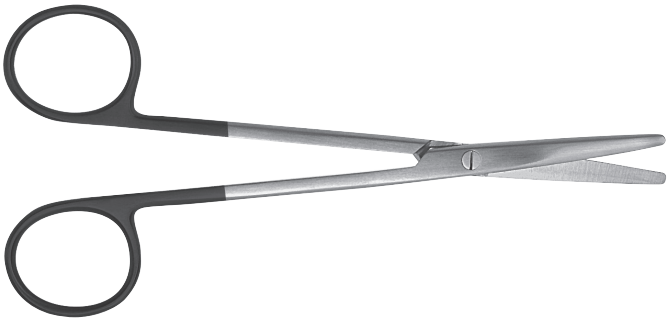
012-111-11 **11,5 cm; 4 1/2"**



METZENBAUM



SC



gerade | straight | recta | droite | retta

gebogen | curved | curva | courbe | curva

012-110-14 **14,5 cm; 5 3/4"**



012-111-14 **14,5 cm; 5 3/4"**

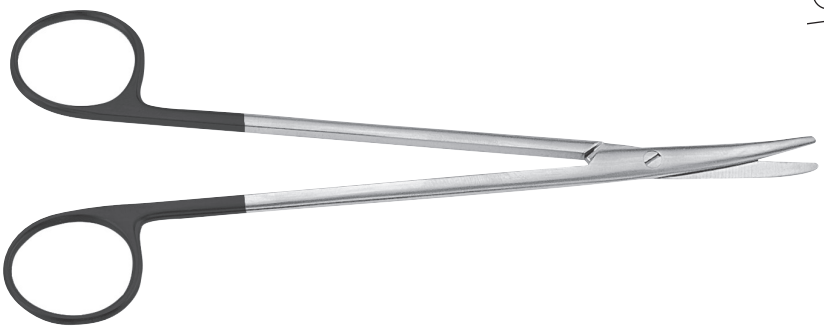


Art.Nr.	Beschreibung | *Description*

METZENBAUM-NELSON



SC



gerade | straight | recta | droite | retta

gebogen | curved | curva | courbe | curva

012-110-18 18,0 cm; 7"



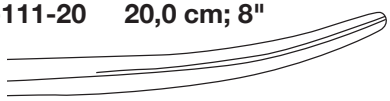
012-111-18 18,0 cm; 7"



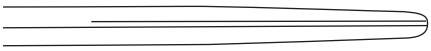
012-110-20 20,0 cm; 8"



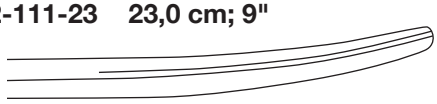
012-111-20 20,0 cm; 8"



012-110-23 23,0 cm; 9"



012-111-23 23,0 cm; 9"

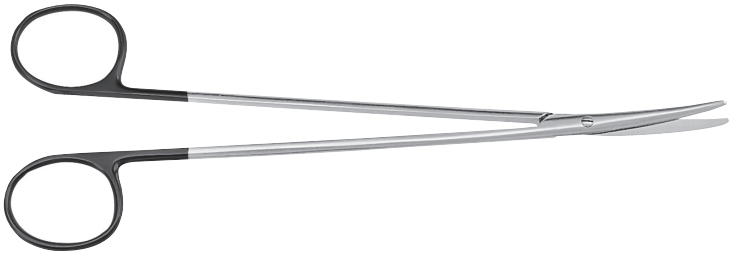


Art.Nr.	Beschreibung | *Description*

METZENBAUM-FINO



SC



gebogen | curved | curva | courbe | curva

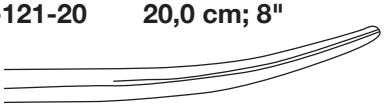
012-121-14 14,5 cm; 5 3/4"



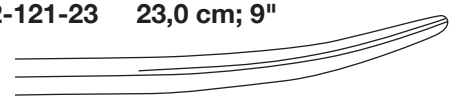
012-121-18 18,0 cm; 7"



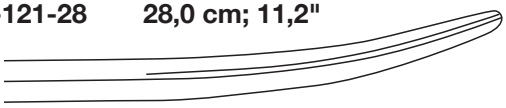
012-121-20 20,0 cm; 8"



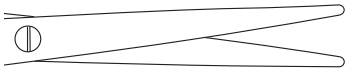
012-121-23 23,0 cm; 9"



012-121-28 28,0 cm; 11,2"



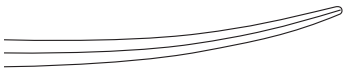
TOENNIS-ADSON



SC



012-139-17 17,5 cm; 6 2/3"



Art.Nr.	Beschreibung | *Description*

STRABISMUS



SC



gerade | straight | recta | droite | retta

012-240-11 **11,5 cm; 4 1/2"**



gebogen | curved | curva | courbe | curva

012-241-11 **11,5 cm; 4 1/2"**



IRIS



SC



gerade | straight | recta | droite | retta

012-244-11 **11,5 cm; 4 1/2"**



gebogen | curved | curva | courbe | curva

012-245-11 **11,5 cm; 4 1/2"**



Sehnenscheren; Gefäßscheren
Tendon Scissors; Vascular Scissors
Tijeras para tendones; Tijeras vasculares
Ciseaux pour ténotomie; Ciseaux vasculaires
Forbici pertenotomia; Forbici vascolare

Art.Nr. **Beschreibung | *Description***

STEVENS



SC



gerade | straight | recta | droite | retta

012-290-11 **11,0 cm; 4 2/4"**



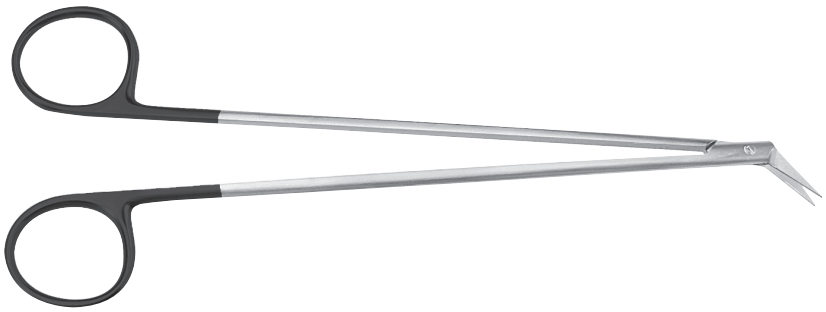
gebogen | curved | curva | courbe | curva

012-291-11 **11,0 cm; 4 2/4"**



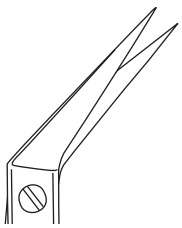
POTTS-SMITH

SC

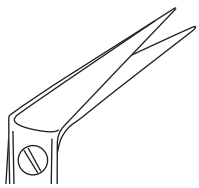




012-551-25 **25°**
19,0 cm; 7 1/2"



012-551-45 **45°**
19,0 cm; 7 1/2"



012-551-60 **60°**
19,0 cm; 7 1/2"

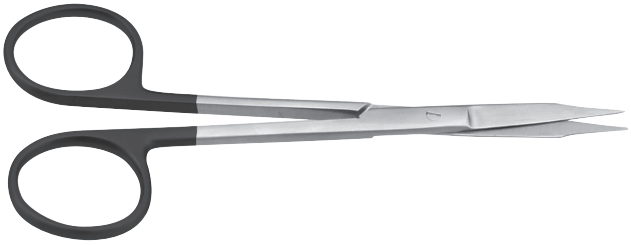
Zahnfleischscheren; Verbandsscheren
Gum Scissors; Bandage Scissors
Tijeras para encías; Tijeras para vendajes
Ciseaux pour gencive; Ciseaux pour pansements
Forbici per gengiva; Forbici per bendaggi

Art.Nr.	Beschreibung | *Description*

GOLDMAN-FOX



SC



gebogen | curved | curva | courbe | curva

012-881-13 **13,0 cm; 5"**

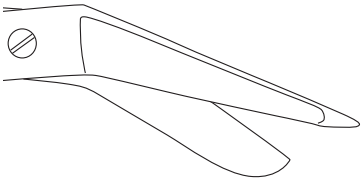


LISTER

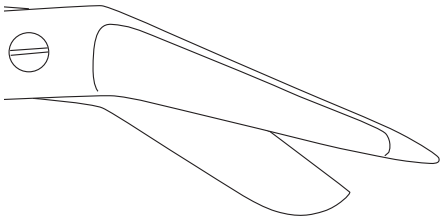
SC



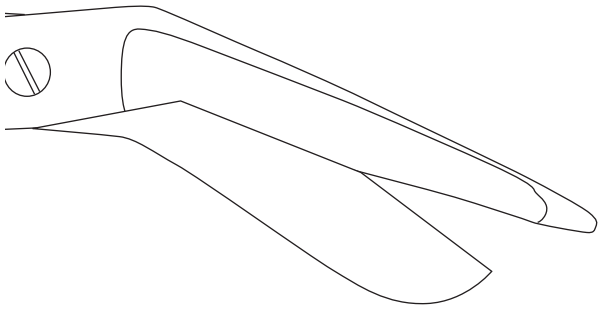
012-900-14 **14,0 cm; 5 1/2"**



012-900-18 **18,0 cm; 7"**

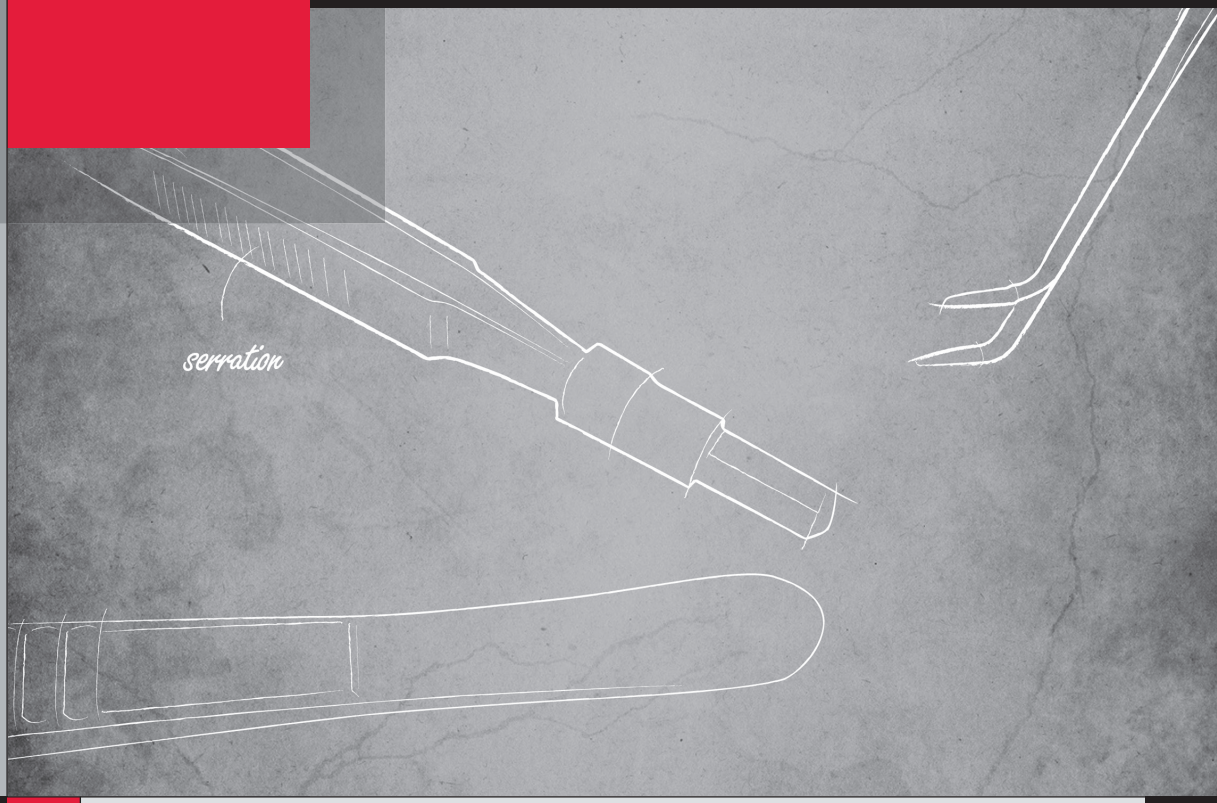


012-900-20 **20,0 cm; 8"**



TONTARRA

OPEN SURGERY



Pinzetten
Forceps
Pinzas
Pinces
Pinze

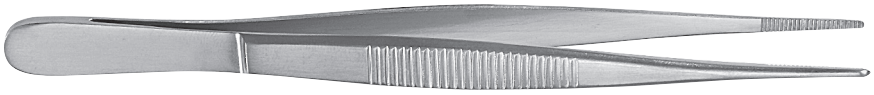
020

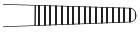
Art.Nr.	Beschreibung | *Description*				
	STANDARD				
					
020-002-10	10,5 cm; 4 1/8"		020-002-18	18,0 cm; 7"	
020-002-11	11,5 cm; 4 1/2"		020-002-20	20,0 cm; 8"	
020-002-13	13,0 cm; 5"		020-002-25	25,0 cm; 10"	
020-002-14	14,5 cm; 5 3/4"		020-002-30	30,0 cm; 12"	
020-002-16	16,0 cm; 6 1/4"				
	STANDARD **schmal | narrow** | estrecha | étroite | stretta				
					
020-004-11	11,5 cm; 4 1/2"		020-004-18	18,0 cm; 7"	
020-004-13	13,0 cm; 5"		020-004-20	20,0 cm; 8"	
020-004-14	14,5 cm; 5 3/4"		020-004-25	25,0 cm; 10"	
020-004-16	16,0 cm; 6 1/4"		020-004-30	30,0 cm; 12"	

Art.Nr. | Beschreibung | *Description*

STANDARD

fein | **fine** | fina | fine | sottile



020-010-10	10,5 cm; 4 1/8"		020-010-18	18,0 cm; 7"	
020-010-11	11,5 cm; 4 1/2"		020-010-20	20,0 cm; 8"	
020-010-13	13,0 cm; 5"		020-010-25	25,0 cm; 10"	
020-010-14	14,5 cm; 5 3/4"		020-010-30	30,0 cm; 12"	
020-010-16	16,0 cm; 6 1/4"				

USA MODELL



020-006-12	12,0 cm; 4 3/4"		020-006-18	18,0 cm; 7"	
020-006-13	13,0 cm; 5"		020-006-20	20,0 cm; 8"	
020-006-14	14,5 cm; 5 3/4"		020-006-25	25,0 cm; 10"	
020-006-15	15,0 cm; 6"		020-006-30	30,0 cm; 12"	

Art.Nr.	Beschreibung | *Description*

STILLE



020-008-15	15,0 cm; 6"	

POTTS-SMITH



020-026-18	18,0 cm; 7"	
020-026-21	21,0 cm; 8 1/4"	
020-026-25	25,0 cm; 10"	

SEMKEN

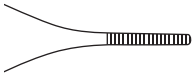


020-040-12	12,5 cm; 5"		020-041-12	15,0 cm; 6"	
020-040-15	15,0 cm; 6"		020-041-15	15,0 cm; 6"	

Art.Nr.	Beschreibung | *Description*

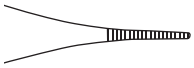
ADSON



020-070-12	12,0 cm; 4 3/4"	
020-070-15	15,0 cm; 6"	

MICRO-ADSON

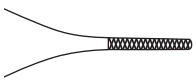


020-076-12	12,0 cm; 4 3/4"	
020-076-15	15,0 cm; 6"	

ADSON

kreuzgerieft | cross serrated | estriada a cruz | croix striée | zigrinato a croce



020-078-12	12,0 cm; 4 3/4"	

CUSHING



020-092-17	17,5 cm; 6 7/8"	
020-093-17	17,5 cm; 6 7/8"	

Art.Nr.	Beschreibung | *Description*
	BROPHY

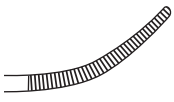


020-094-20	20,0 cm; 8"	
020-095-20	20,0 cm; 8"	
	GERALD	



020-102-18	18,0 cm; 7"	
020-103-18	18,0 cm; 7"	
	TAYLOR	



020-114-17	17,5 cm; 6 7/8"	
020-115-17	17,5 cm; 6 7/8"	
	TAYLOR **mit Dissektorende | with dissector end** | con cabo disecador | avec dissecteur | con dissettore	



020-116-17	17,5 cm; 6 7/8"	

Art.Nr.	Beschreibung | *Description*

TAYLOR
mit Dissektorende | with dissector end | con cabo disecador | avec dissecteur | con dissettore



020-117-18	17,0 cm; 6 3/4"	

BONNEY



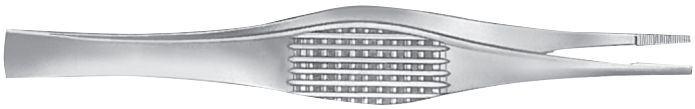
020-120-18	18,0 cm; 7"	

WAUGH



020-130-15	15,0 cm; 6"	
020-130-20	20,0 cm; 8"	

RAMSEY



020-136-18	18,0 cm; 7"	

MC INDOE



020-158-15	15,0 cm; 6"	

Art.Nr.	Beschreibung | *Description*

STANDARD

1 x 2



020-200-10	10,5 cm; 4 1/8"
020-200-11	11,5 cm; 4 1/2"
020-200-13	13,0 cm; 5"
020-200-14	14,5 cm; 5 3/4"
020-200-15	15,5 cm; 6"
020-200-16	16,0 cm; 6 1/4"
020-200-18	18,0 cm; 7"
020-200-20	20,0 cm; 8"
020-200-25	25,0 cm; 10"
020-200-30	30,0 cm; 12"

STANDARD

1 x 2

fein | fine | fina | fine | sottile



020-210-13	13,0 cm; 5"
020-210-14	14,5 cm; 5 3/4"
020-210-16	16,0 cm; 6 1/4"
020-210-18	18,0 cm; 7"
020-210-20	20,0 cm; 8"
020-210-25	25,0 cm; 10"

Art.Nr.	Beschreibung | *Description*

USA MODELL

1 x 2



020-206-12	12,0 cm; 4 3/4"		020-206-18	18,0 cm; 7"	
020-206-13	13,0 cm; 5"		020-206-20	20,0 cm; 8"	
020-206-14	14,5 cm; 5 3/4"		020-206-25	25,0 cm; 10"	
020-206-15	15,5 cm; 6"		020-206-30	30,0 cm; 12"	

STILLE



		1 x 2			2 x 3
020-208-15	15,0 cm; 6"		020-209-15	15,0 cm; 6"	

POTTS-SMITH

1 x 2



020-226-18	18,0 cm; 7"	
020-226-21	21,0 cm; 8 1/4"	
020-226-25	25,0 cm; 10"	

Art.Nr.	Beschreibung | *Description*

SEMKEN

1 x 2



gerade | straight | recta | droite | retta			gebogen | curved | curva | courbe | curva		
020-240-12	12,5 cm; 5"		020-241-12	12,5 cm; 5"	
020-240-15	15,5 cm; 6"		020-241-15	15,5 cm; 6"	

SEMKEN

2 x 3

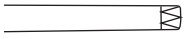
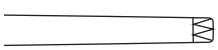
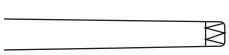
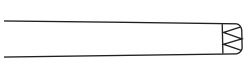
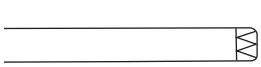
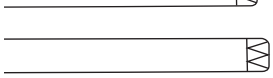


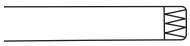
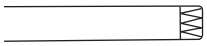
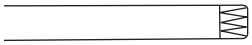
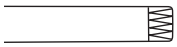
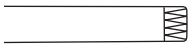
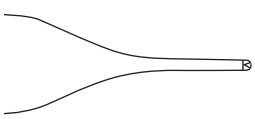
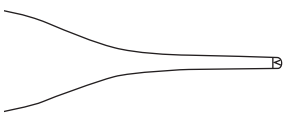
020-242-12	12,5 cm; 5"	

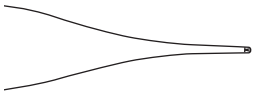
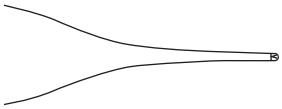
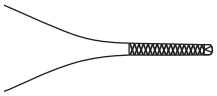
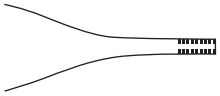
STANDARD

2 x 3



020-252-11	11,5 cm; 4 1/2"	
020-252-13	13,0 cm; 5"	
020-252-14	14,5 cm; 5 3/4"	
020-252-16	16,0 cm; 6 1/4"	
020-252-18	18,0 cm; 7"	
020-252-20	20,0 cm; 8"	
020-252-25	25,0 cm; 10"	

Art.Nr.	Beschreibung | *Description*	
	STANDARD	3 x 4
		
020-254-13	13,0 cm; 5"	
020-254-14	14,5 cm; 5 3/4"	
020-254-16	16,0 cm; 6 1/4"	
020-254-20	20,0 cm; 8"	
	STANDARD	4 x 5
		
020-256-13	13,0 cm; 5"	
020-256-14	14,5 cm; 5 3/4"	
020-256-16	16,0 cm; 6 1/4"	
	ADSON	1 x 2
		
020-270-12	12,0 cm; 4 3/4"	
020-270-15	15,0 cm; 6"	

Art.Nr.	Beschreibung | *Description*
	MICRO-ADSON — 1 x 2
	
020-276-12	12,0 cm; 4 3/4" 
020-276-15	15,0 cm; 6" 
	ADSON — 1 x 2
	kreuzgerieft | cross serrated | estriada a cruz | croix striée | zigrinato a croce
	
020-278-12	12,0 cm; 4 3/4" 
	ADSON-BROWN
	
	7 x 7
020-288-12	12,0 cm; 4 3/4" 

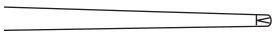
020

Art.Nr.	Beschreibung | *Description*

CUSHING

1 x 2



020-292-17	17,5 cm; 6 7/8"	
020-293-17	17,5 cm; 6 7/8"	

GERALD

1 x 2



020-302-18	18,0 cm; 7"	
020-303-18	18,0 cm; 7"	

GILLIES

1 x 2

kreuzgerieft | cross serrated | estriada a cruz | croix striée | zigrinato a croce



020-300-15	15,0 cm; 6"	

STILLE-BARRAYA

3 x 4

kreuzgerieft | cross serrated | estriada a cruz | croix striée | zigrinato a croce



020-308-18	18,0 cm; 7"	
020-308-20	20,0 cm; 8"	
020-308-25	25,0 cm; 10"	

Art.Nr.	Beschreibung | *Description*

TAYLOR — 1 x 2



020-314-17	17,5 cm; 6 7/8"

TAYLOR — 1 x 2
mit Dissektorende | with dissector end | con cabo disecador | avec dissecteur | con dissettore



020-316-17	18,0 cm; 7"

TAYLOR — 1 x 2
mit Dissektorende | with dissector end | con cabo disecador | avec dissecteur | con dissettore



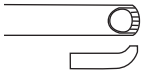
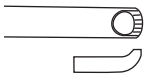
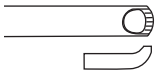
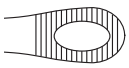
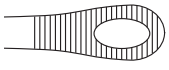
020-317-17	17,5 cm; 6 7/8"

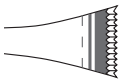
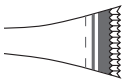
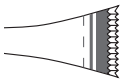
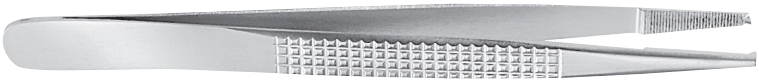
WAUGH — 1 x 2
kreuzgerieft | cross serrated | estriada a cruz | croix striée | striata a croce



020-330-15	15,0 cm; 6"
020-330-18	18,0 cm; 7"
020-330-20	20,0 cm; 8"

Art.Nr.	Beschreibung | *Description*	
	STONE	4 x 5
		
020-376-15	15,0 cm; 6"	
	LERCHE	5 x 6
		
020-378-15	15,0 cm; 6"	
	ADLERKREUTZ	4 x 5
		
020-384-15	15,0 cm; 6"	
020-384-20	20,0 cm; 8"	
020-384-25	25,0 cm; 9,8"	

Art.Nr.	Beschreibung | *Description*
	RUSS. MODELL
	
020-456-15	15,0 cm; 6" 
020-456-20	20,0 cm; 8" 
020-456-25	25,0 cm; 10" 
	DURANTE
	
020-460-14	14,5 cm; 5 3/4" 
020-460-16	16,0 cm; 6 1/4" 
020-460-20	20,0 cm; 8" 
	MAYO
	
020-514-23	23,0 cm; 9" 
	SINGLEY-TUTTLE
	
020-516-18	18,0 cm; 7" 
020-516-23	23,0 cm; 9" 

Art.Nr.	Beschreibung | *Description*
	NELSON
	
020-518-15	15,0 cm; 6" 
020-518-18	18,0 cm; 7" 
020-518-23	23,0 cm; 9" 
	BONNEY 1 x 2
	
020-590-18	18,0 cm; 7" 

Our repair service offers the whole range for damaged or broken instruments such as sharpening, reconditioning and replacement of parts. Please ask our customer service for further information.

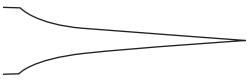
Art.Nr.	Beschreibung | *Description*





020-601-03 **Fig. 3 11,5 cm; 4 1/2"**





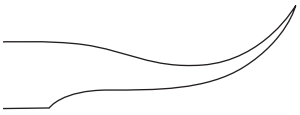
020-601-04 **Fig. 4 11,5 cm; 4 1/2"**





020-601-05 **Fig. 5 11,5 cm; 4 1/2"**





020-601-07 **Fig. 7 11,5 cm; 4 1/2"**

Art.Nr.	Beschreibung | *Description*

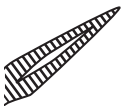
FEILCHENFELD



020-650-07	7,5 cm; 3 1/8"	
020-650-09	9,0 cm; 3 1/2"	
020-650-11	11,5 cm; 4 1/2"	

HUNTER



020-652-10	10,5 cm; 4 1/4"	
020-653-10	10,5 cm; 4 1/4"	

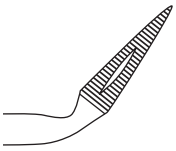
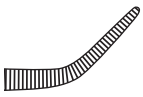
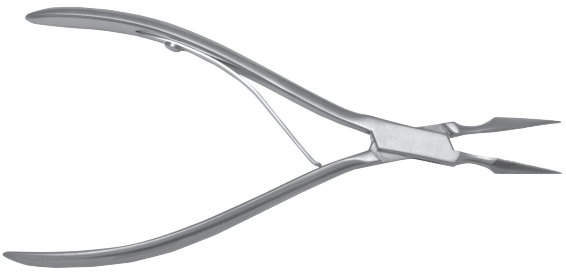
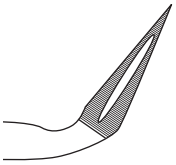
Splitterpinzetten
Splinter Forceps
Pinzas para espinas
Pinces à échardes
Pinze per schegge

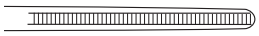
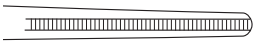
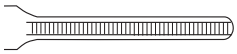
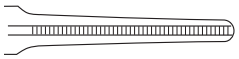
Art.Nr.	Beschreibung | *Description*

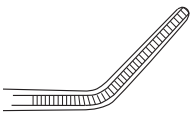
ohne Stift | without pin | sin pin | sans pointe | senza perno



020-662-08	8,0 cm; 3 1/4"		020-663-08	8,0 cm; 3 1/4"	
020-662-09	9,0 cm; 3 1/2"		020-663-09	9,0 cm; 3 1/2"	
020-662-10	10,5 cm; 4 1/8"		020-663-10	10,5 cm; 4 1/8"	
020-662-11	11,5 cm; 4 1/2"		020-663-11	11,5 cm; 4 1/2"	
020-662-13	12,5 cm; 5"				
020-662-14	14,5 cm; 5 3/4"				

Art.Nr.	Beschreibung | *Description*				
	STIEGLITZ				
					
020-670-13	**13,5 cm; 5 1/4"**		**020-671-13**	**13,5 cm; 5 1/4"**	
	PEET				
					
020-680-11	**11,5 cm; 4 1/2"**				
	RALK				
					
020-682-15	**15,0 cm; 6"**		**020-683-15**	**15,0 cm; 6"**	

Art.Nr.	Beschreibung | *Description*				
	DE BAKEY				ATRAUMA
					
	16,0 cm; 6 1/4"	**20,0 cm; 8"**	**24,0 cm; 9 1/2"**	**30,0 cm; 12"**	
1,5 mm	**020-700-16**	**020-700-20**	**020-700-24**	**020-700-30**	
2,0 mm	**020-702-16**	**020-702-20**	**020-702-24**	**020-702-30**	
2,8 mm	**020-706-16**	**020-706-20**	**020-706-24**	**020-706-30**	
3,5 mm	**020-708-16**	**020-708-20**	**020-708-24**	**020-708-30**	
2,8 mm	**020-716-16**	**020-716-20**	**020-716-24**	**020-716-30**	
3,5 mm	**020-718-16**	**020-718-20**	**020-718-24**	**020-718-30**	

	DE BAKEY				ATRAUMA
					
	16,0 cm; 6 1/4"	**20,0 cm; 8"**	**24,0 cm; 9 1/2"**	**30,0 cm; 12"**	
2,0 mm	**020-703-16**	**020-703-20**	**020-703-24**	**020-703-30**	

Art.Nr.	Beschreibung | *Description*

BARRAQUER



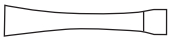
020-733-10 10,5 cm; 4 1/8"



LITTAUER



020-740-08 8,5 cm; 3 1/3"



DOUGLAS



020-744-09 9,0 cm; 3 1/2"



BEER



020-746-09 9,0 cm; 3 1/2"



Art.Nr.	Beschreibung | *Description*
	TROELTSCH
	
020-750-11	**11,0 cm; 4 1/3"**
	TROELTSCH
	
020-750-13	**13,0 cm; 5"**
	TROELTSCH
	
020-750-15	**15,0 cm; 6"**
	LUCAE (GRÜNWALD)
	
020-756-14	**14,0 cm; 5 1/2"**
	LUCAE (GRÜNWALD)
	
020-790-20	**20,0 cm; 8"**

Ohrpinzetten; Iris Pinzetten
Ear Forceps; Iris Forceps
Pinzas auriculares; Pinzas para iris
Pinces auriculaires; Pinces à iris
Pinze auricolari; Pinze per iridectomia

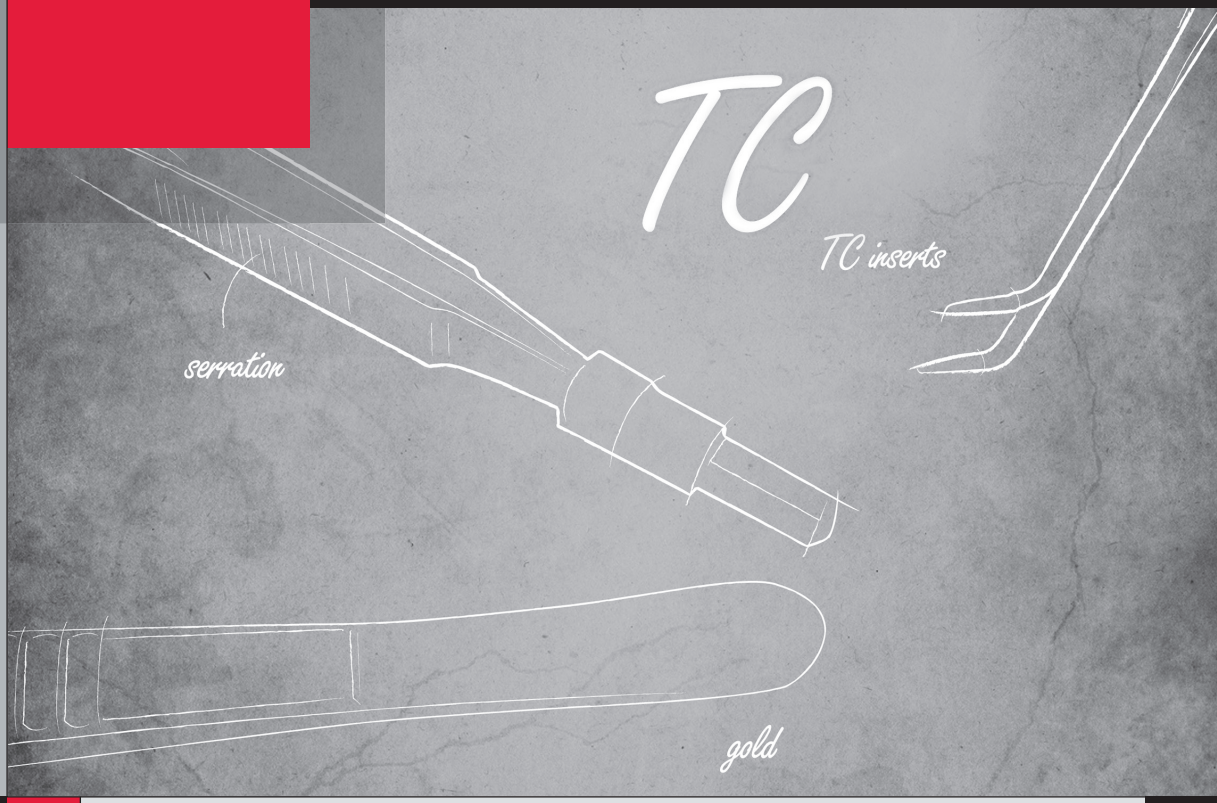
Art.Nr.	Beschreibung | *Description*		
	JANSEN		
			
020-760-16	16,0 cm; 6 1/4"		
020-760-20	20,0 cm; 8"		
	GRAEFE		
	fein | fine | fina | fine | sottile		
			
020-096-06	0,6 mm;	15,5 cm; 6"	
020-096-08	0,8 mm;	15,5 cm; 6"	
020-096-10	1,0 mm;	15,5 cm; 6"	
	GRAEFE		1 x 2
	fein | fine | fina | fine | sottile		
			
020-296-06	0,6 mm;	15,5 cm; 6"	
020-296-08	0,8 mm;	15,5 cm; 6"	
020-296-10	1,0 mm;	15,5 cm; 6"	

Ohrpinzetten; Iris Pinzetten
Ear Forceps; Iris Forceps
Pinzas auriculares; Pinzas para iris
Pinces auriculaires; Pinces à iris
Pinze auricolari; Pinze per iridectomia

Art.Nr.	Beschreibung | *Description*	
	GRAEFE **fein** | **fine** | fina | fine | sottile	
		
020-810-10	**10,0 cm; 4"**	
020-811-10	**10,0 cm; 4"**	
020-813-10	**10,0 cm; 4"**	
	GRAEFE **fein** | **fine** | fina | fine | sottile	**1 x 2**
		
020-814-10	**10,0 cm; 4"**	
020-815-10	**10,0 cm; 4"**	
020-817-10	**10,0 cm; 4"**	

TONTARRA

OPEN SURGERY



TC Pinzetten

TC Forceps

TC Pinzas

TC Pinces

TC Pinze

021

Pinzetten mit Hartmetalleinlagen
Forceps with Tungsten Carbide Inserts
Pinzas con insertos de carburo tungsteno
Pinces avec inserts en carbure de tungstène
Pinze con morsi in carburo di tungsteno



- **Hartmetalleinlagen mit präzise gearbeitetem Pyramidenprofil**
- **sicheres und schonendes Fassen von Gefäßen, Gewebe und Nahtmaterial**
- **vergoldete Federenden als leichte Kennzeichnung**

- **Tungsten carbide inserts with precisely worked out structure**
- **firm and gentle grip of vessels, tissues and sutures**
- **gold-plated ends for easy identification**

- Inserts en carbure de tungstène avec structure pyramidale
- préhension sûre et légère des vaisseaux, tissus et sutures chirurgicales
- pied doré pour identification facile

- Insertos de carburo tungsteno precisamente amolado con estructura piramidial
- agarre seguro y cuidadoso de lOs vasos, tejidos y materiales de sutura
- terminales dorados para una identificación fácil

- Morsi in carburo di tungsteno con struttura piramidale lavorata
- impugnatura più sicura e delicata per vasi, tessuti e suture
- estremità dorate per una facile identificazione

Pinzetten mit Hartmetalleinlagen
Forceps with Tungsten Carbide Inserts
Pinzas con insertos de carburo tungsteno
Pinces avec inserts en carbure tungstène
Pinze con morsi in carburo di tungsteno

Art.Nr.	Beschreibung | *Description*

POTTS-SMITH

TC



021-026-15	15,0 cm; 6"	
021-026-18	18,0 cm; 7"	
021-026-20	20,0 cm; 8"	
021-026-23	23,0 cm; 9"	
021-026-25	25,0 cm; 9 3/4"	

SEMKEN

TC



021-040-15	15,0 cm; 6"	
021-040-18	18,0 cm; 7"	

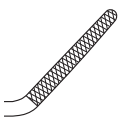
1 x 2

021-240-15	15,0 cm; 6"	
021-240-18	18,0 cm; 7"	

CUSHING

TC



021-092-17	17,5 cm; 6 7/8"	
021-093-17	17,5 cm; 6 7/8"	

Pinzetten mit Hartmetalleinlagen
Forceps with Tungsten Carbide Inserts
Pinzas con insertos de carburo tungsteno
Pinces avec inserts en carbure de tungsténe
Pinze con morsi in carburo di tungsteno

Art.Nr.	Beschreibung | *Description*

GERALD

TC

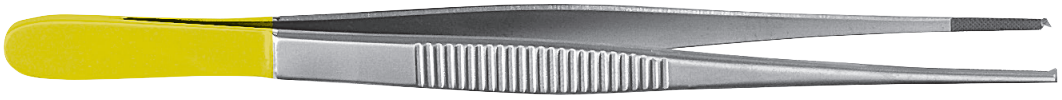


021-102-18	18,0 cm; 7"	
021-302-18	18,0 cm; 7"	

OEHLER

1 x 2

TC

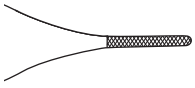
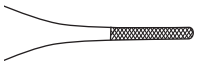


021-228-14	14,5 cm; 5 3/4"	
021-228-16	16,0 cm; 6 1/4"	
021-228-18	18,0 cm; 7"	
021-228-20	20,0 cm; 8"	
021-228-25	25,0 cm; 9 3/4"	
021-228-30	30,0 cm; 11 3/4"	

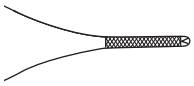
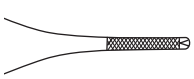
ADSON

TC



021-070-12	12,0 cm; 4 3/4"	
021-070-15	15,0 cm; 6"	

1 x 2

021-270-12	12,0 cm; 4 3/4"	
021-270-15	15,0 cm; 6"	

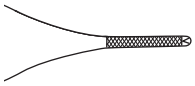
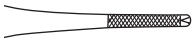
Pinzetten mit Hartmetalleinlagen
Forceps with Tungsten Carbide Inserts
Pinzas con insertos de carburo tungsteno
Pinces avec inserts en carbure de tungsténe
Pinze con morsi in carburo di tungsteno

Art.Nr.	Beschreibung | *Description*

MICRO-ADSON

1 x 2 TC

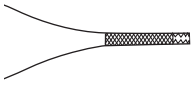


021-276-12	12,0 cm; 4 3/4"	
021-276-15	15,0 cm; 6"	

ADSON-BROWN

2 x 3 TC



021-288-12	12,0 cm; 4 3/4"	

CUSHING

TC

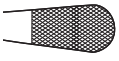


021-117-18	18,0 cm; 7"	

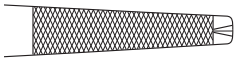
WANGENSTEEN

TC



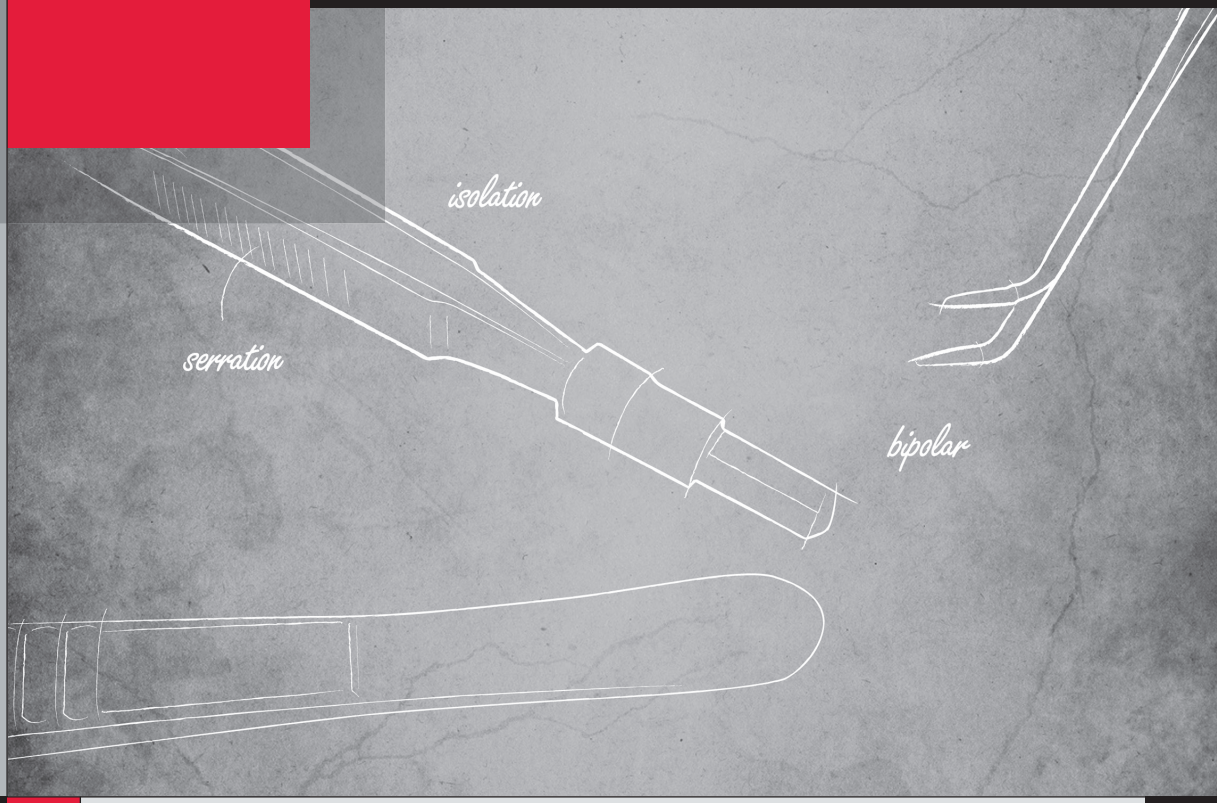
021-140-15	15,0 cm; 6"	
021-140-23	23,0 cm; 9"	

Pinzetten mit Hartmetalleinlagen
Forceps with Tungsten Carbide Inserts
Pinzas con insertos de carburo tungsteno
Pinces avec inserts en carbure de tungsténe
Pinze con morsi in carburo di tungsteno

Art.Nr.	Beschreibung | *Description*		
	MC INDOE		TC
			
021-158-15	15,0 cm; 6"		
	GILLIES	1 x 2	TC
			
021-300-15	15,0 cm; 6"		
	BONNEY	1 x 2	TC
			
021-590-17	17,5 cm; 6 7/8"		
	DE BAKEY		TC ATRAUMA
			
021-700-16	1,5 mm	16,0 cm; 6 1/4"	
021-700-20	1,5 mm	20,0 cm; 8"	
021-700-24	1,5 mm	24,0 cm; 9"	
021-702-16	2,0 mm	16,0 cm; 6 1/4"	
021-702-20	2,0 mm	20,0 cm; 8"	
021-702-24	2,0 mm	24,0 cm; 9"	

TONTARRA

OPEN SURGERY



Bipolare Pinzetten; monopolare Pinzetten

Bipolar Forceps; monopolar Forceps

Pinzas bipolares; Pinzas monopolares

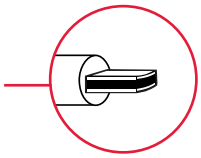
Pinces bipolaires; Pinces monopolaires

Pinze bipolari; Pinze monopolari

022-023

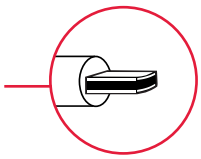
Art.Nr. **Beschreibung | *Description***



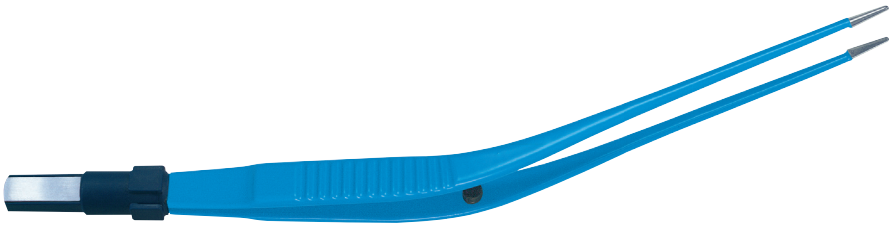


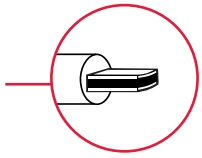
	15,0 cm; 6"	18,0 cm; 7"	20,0 cm; 8"	22,0 cm; 8 3/4"	24,0 cm; 9 1/2"	
0,3 mm	022-100-15	022-100-18	022-100-20	022-100-22	022-100-24	
1,0 mm	022-102-15	022-102-18	022-102-20	022-102-22	022-102-24	
2,0 mm	022-104-15	022-104-18	022-104-20	022-104-22	022-104-24	





	15,0 cm; 6"	18,0 cm; 7"	20,0 cm; 8"	22,0 cm; 8 3/4"	24,0 cm; 9 1/2"	
0,3 mm	022-101-15	022-101-18	022-101-20	022-101-22	022-101-24	
1,0 mm	022-103-15	022-103-18	022-103-20	022-103-22	022-103-24	
2,0 mm	022-105-15	022-105-18	022-105-20	022-105-22	022-105-24	

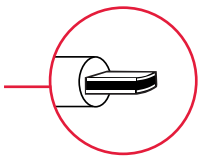




	17,0 cm; 6 3/4"	
0,3 mm	022-107-03	
1,0 mm	022-107-10	
2,0 mm	022-107-20	

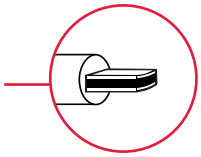
Art.Nr.	Beschreibung | *Description*				





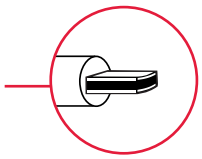
	16,0 cm; 6 1/4"	18,0 cm; 7"	20,0 cm; 8"	22,0 cm; 8 3/4"	24,0 cm; 9 1/2"	
0,3 mm	022-110-16	022-110-18	022-110-20	022-110-22	022-110-24	
1,0 mm	022-112-16	022-112-18	022-112-20	022-112-22	022-112-24	
2,0 mm	022-114-16	022-114-18	022-114-20	022-114-22	022-114-24	



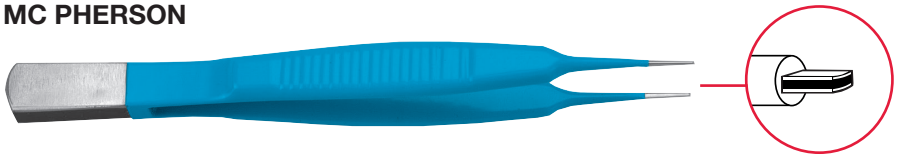
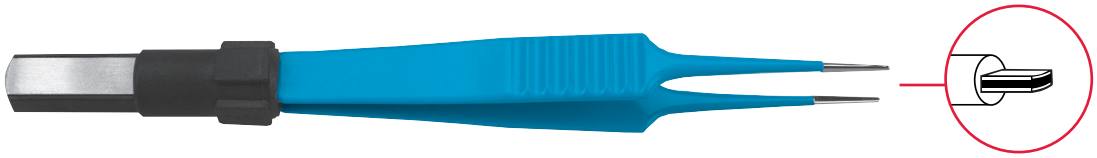


	18,0 cm; 7"	20,0 cm; 8"	22,0 cm; 8 3/4"	24,0 cm; 9 1/2"	
0,3 mm	022-121-18	022-121-20	022-121-22	022-121-24	
1,0 mm	022-123-18	022-123-20	022-123-22	022-123-24	
2,0 mm	022-125-18	022-125-20	022-125-22	022-125-24	





	18,0 cm; 7"	20,0 cm; 8"	22,0 cm; 8 3/4"	24,0 cm; 9 1/2"	
0,3 mm	022-131-18	022-131-20	022-131-22	022-131-24	
1,0 mm	022-133-18	022-133-20	022-133-22	022-133-24	
2,0 mm	022-135-18	022-135-20	022-135-22	022-135-24	

Art.Nr.	Beschreibung | *Description*		Size	Spez.
	MC PHERSON			
				
022-210-25	**0,25 mm**	**10,0 cm; 4"**	**022-211-25**	**0,25 mm**
022-210-45	**0,45 mm**	**10,0 cm; 4"**	**022-211-45**	**0,45 mm**
				
022-220-25	**0,25 mm**	**11,0 cm; 4 1/4"**	**022-221-25**	**0,25 mm**
022-220-60	**0,60 mm**	**11,0 cm; 4 1/4"**	**022-221-60**	**0,60 mm**

Umax: 0,8 KVp

bipolares Kabel für Flachstecker
bipolar cable for flat-cable plug
cable bipolar para enchufe plano
câble bipolaire pour fiche plate
cavo bipolare per attacco piatto



für Instrumentanschlüsse von: | ***for instrument plugs from:***

287-200-30	Erbe ICC/ACC; Storz	3,0 m	
287-200-50	Erbe ICC/ACC; Storz	5,0 m	
287-205-30	Berchtold; Martin	3,0 m	
287-205-50	Berchtold; Martin	5,0 m	
287-210-30	US-Models; 2-pins	3,0 m	
287-210-50	US-Models; 2-pins	5,0 m	
287-215-30	international Models; 2-pins	3,0 m	
287-215-50	international Models; 2-pins	5,0 m	

Art.Nr.	Beschreibung | *Description*
	gerieft | serrated | estriada | strieé | striata



023-002-14	**14,5 cm; 5 1/2"**
023-002-18	**18,0 cm; 7"**
023-002-21	**21,0 cm; 8 1/2"**
023-002-25	**25,0 cm; 10"**
023-002-30	**30,0 cm; 12"**

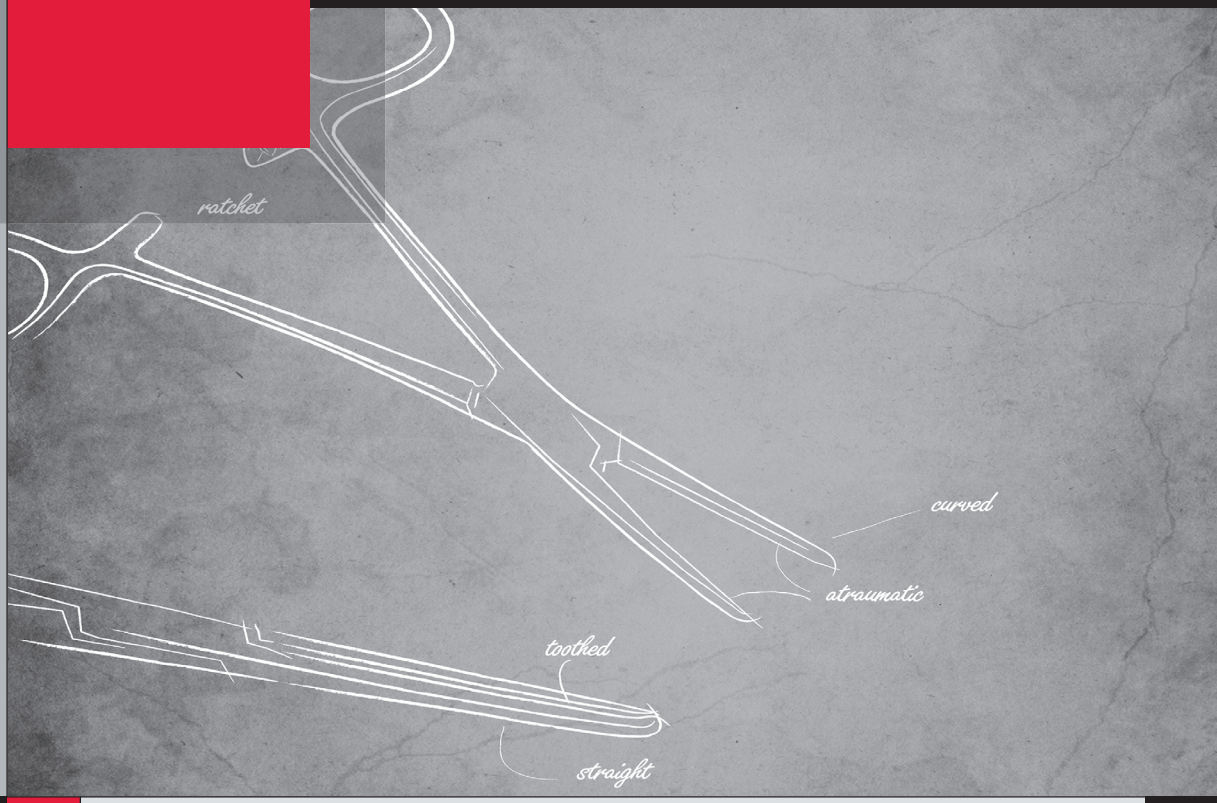
1 x 2



023-012-14	**14,5 cm; 5 1/2"**
023-012-18	**18,0 cm; 7"**
023-012-21	**21,0 cm; 8 1/2"**
023-012-25	**25,0 cm; 10"**
023-012-30	**30,0 cm; 12"**

TONTARRA

OPEN SURGERY



Gefäßclips; Approximatoren Bulldogklemmen

Vessel Clips; Approximators Bulldog Clamps

Clips vasculares; Aproximadores Clamps Bulldog

Clips vasculaires; Approximateurs Pinces Bulldog

Clips vascolari; Aprossimatori Pinze Bulldog

026-027

Anlegepinzetten
Applying Forceps
Pinzas para aplicar clips vasculares
Pinces pour poser des clips
Pinze per applicazione clips vascolari

Art.Nr.	Beschreibung | *Description*
	mit Sperre | with ratchet con cremallera | avec crémaillère | con cremagliera
	
026-502-14	**14,0 cm; 5 1/2"**
	mit Sperre | with ratchet con cremallera | avec crémaillère | con cremagliera
	
026-503-18	**18,0 cm; 7"**

Gefäßclips; Anlegepinzetten
Vessel Clips; Applying Forceps
Clips vasculares; Pinzas para aplicar clips vasculares
Clips vasculaires; Pinces pour poser des clips
Clips vascolari; Pinze per applicazione clips vascolari

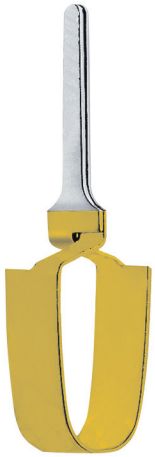
Art.Nr. **Beschreibung | *Description***

BIEMER





	026-506-01	026-506-02	026-506-03
O	4 mm	5 mm	5 mm
M	6 mm	9 mm	9 mm
S	30 – 40 g (0,29 – 0,39 N)	30 – 40 g (0,29 – 0,39 N)	20 – 25 g (0,20 – 0,25 N)



S **Schließkraft** / **Closing Force** / Presión de oclusión / Pression d'occlusion / Pressione occlusiva

O **Maulöffnung** / **Opening of jaws** / Apertura de boca / Ouverture de mors / Apertura di morso

M **Maullänge** / **Length of jaws** / Longitud de la boca / Longueur de mors / Lungh. del morso

D **Durchmesser** / **Diameter** / Diámetro / Diamètre / Diametro



026-508-01 **14,5 cm; 5 3/4"**

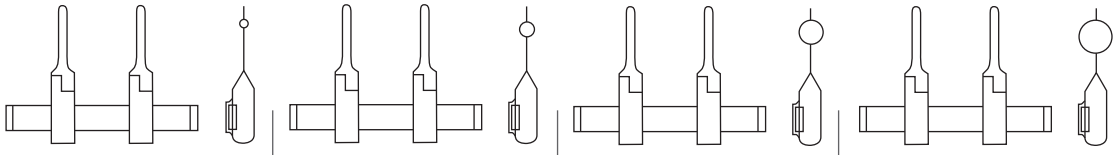
mit Schloss | with lock
con cierre | avec serrure | con serratura



026-508-02 **14,5 cm; 5 3/4"**

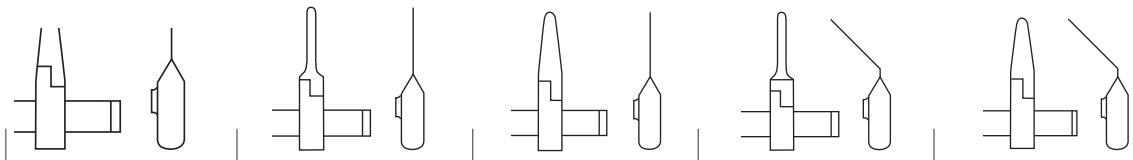
Art.Nr. Beschreibung | *Description*

MÜLLER



	026-530-01	026-530-02	026-530-03	026-530-04
D	1 mm	2 mm	3 mm	4 mm
S	25 – 30 g (0,25 – 0,29 N)	25 – 30 g (0,25 – 0,29 N)	25 – 30 g (0,25 – 0,29 N)	25 – 30 g (0,25 – 0,29 N)
M	9 mm	9 mm	9 mm	9 mm
O	5 mm	5 mm	5 mm	5 mm

BIEMER-MÜLLER



	026-540-06	026-540-07	026-540-09	026-541-07	026-541-08
O	3 mm	5 mm	5 mm	5 mm	5 mm
M	6 mm	7 mm	9 mm	7 mm	7,5 mm
S	30 – 40 g	30 – 40 g	30 – 40 g	30 – 40 g	30 – 40 g

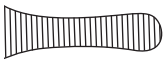
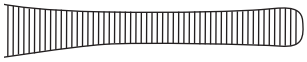
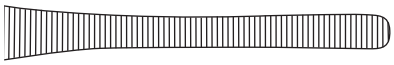
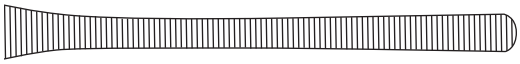
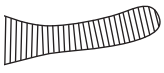
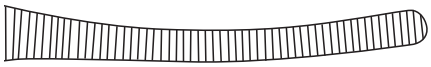
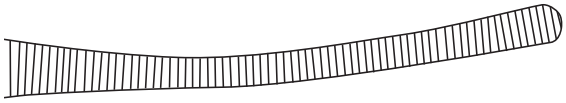
S **Schließkraft**
Closing Force
Presión de oclusión
Pression d'occlusion
Pressione occlusiva

O **Maulöffnung**
Opening of jaws
Apertura de boca
Ouverture de mors
Apertura di morso

M **Maullänge**
Length of jaws
Longitud de la boca
Longueur de mors
Lungh. del morso

D **Durchmesser**
Diameter
Diámetro
Diamètre
Diametro

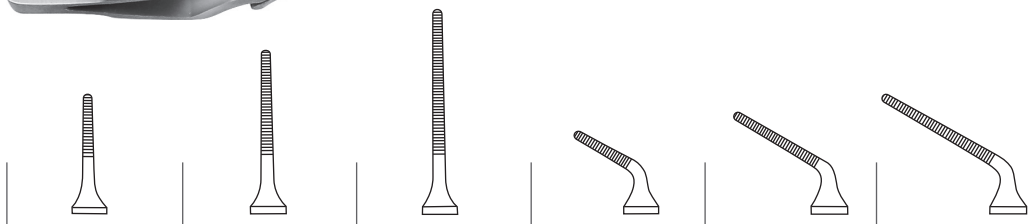
Art.Nr.	Beschreibung | *Description*
026-564-00	**Approximator (026-564-10) mit Schlüssel (026-564-01), für Mikro-Gefäßanastomosen im tieferen Bereich. Schließdruck wird mit dem Schlüssel eingestellt.** **Approximator (026-564-10) with key (026-564-01), for micro vessel anastomosis in the deeper range. The pressure measure is adjusted with the key.** Aproximador (026-564-10) con llave (026-564-01), para anastomosis micro-vascular en la profundidad. Presión de oclusión se ajusta con la llave. Approximateur (026-564-10) avec clé (026-564-01), pour anastomose micro vasculaire en profondeur. Pression d'occlusion sera ajusté avec le clé. Approssimatore (026-564-10) con chiave (026-564-01), per anastomosi microvascolare in profonditá pressione di occlusione regolabile con chiave.
026-564-01	
026-564-10	
026-566-00	**Nerv-Approximator (026-566-10) mit Schlüssel (026-564-01), zur sicheren Adaption bei Nervanastomosen. Nadeln mit Schlüssel auswechselbar.** **Approximator for nerves (026-566-10) with key (026-564-01), for safe adaptation of nerve anastomoses. The needles can be exchanged with the key.** Aproximador para nervios (026-566-10) con llave (026-564-01), para la adaptación segura de anastomosis de nervios. Las agujas se pueden cambiar con la llave. Approximateur (026-566-10) pour les nerfs avec clé (026-564-01), bien adapté à l' anastomose des nerfs. Les aiguilles peuvent étre changées avec la clé. Approssimatore per nervi (026-566-10) con chiave (026-564-01), per addatazione sicura a l'anastomose dei nervi. Aghi di ricambio con chiave.
026-564-01	
026-566-10	

Art.Nr.	Beschreibung | *Description*				
	DIEFFENBACH				
					
026-014-03	**38 mm**		**026-015-03**	**38 mm**	
026-014-05	**51 mm**		**026-015-05**	**51 mm**	
	JOHNS-HOPKINS				
					
026-018-04	**38 mm**				
026-018-05	**51 mm**				
026-018-06	**63 mm**				
026-018-07	**75 mm**				
026-018-09	**90 mm**				
026-019-04	**38 mm**				
026-019-05	**51 mm**				
026-019-06	**63 mm**				
026-019-07	**75 mm**				
026-019-09	**90 mm**				

Art.Nr. **Beschreibung | *Description***

DIETHRICH



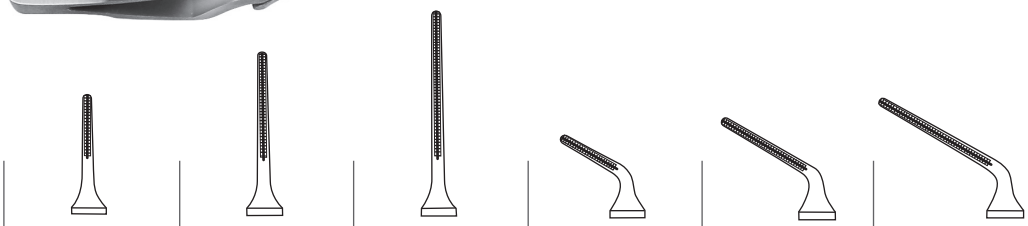


	026-020-01	026-020-02	026-020-03	026-021-01	026-021-02	026-021-03
L	45 mm	50 mm	60 mm	40 mm	45 mm	50 mm
M	8 mm	12 mm	20 mm	8 mm	12 mm	20 mm
S	80 g	80 g	80 g	80 g	80 g	80 g

DE BAKEY DIETHRICH

ATRAUMA





	026-022-01	026-022-02	026-022-03	026-023-01	026-023-02	026-023-03
L	45 mm	50 mm	60 mm	44 mm	45 mm	50 mm
M	10 mm	14 mm	20 mm	10 mm	14 mm	20 mm
S	180 g	180 g	180 g	180 g	180 g	180 g

S **Schließkraft**
Closing Force
Presión de oclusión
Pression d'occlusion
Pressione occlusiva

M **Maullänge**
Length of jaws
Longitud de la boca
Longueur de mors
Lungh. del morso

L **Länge**
Length
Longitud
Longueur
Lunghezza

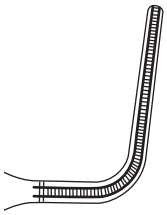
Art.Nr.	Beschreibung | *Description*
	DE BAKEY-SATINSKY ATRAUMA
026-191-07	7,0 cm; 2 3/4"
	DE BAKEY-SATINSKY ATRAUMA
026-191-09	9,0 cm; 3 1/2"
	DE BAKEY-SATINSKY ATRAUMA
026-191-10	10,0 cm; 4"
	GLOVER ATRAUMA
026-193-06	6,5 cm; 2 4/8"

Art.Nr.	Beschreibung | *Description*

SANTULLI

ATRAUMA



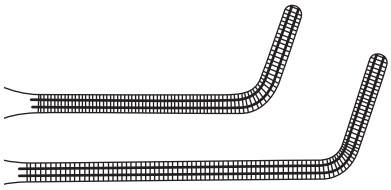


026-195-07 7,0 cm; 2 3/4"

GREGORY-SOFT **Carotisklemmen**
Carotid Clamp
Pinzas para carótis
Pince-clamps pour la carotide
Pinze carotis

ATRAUMA





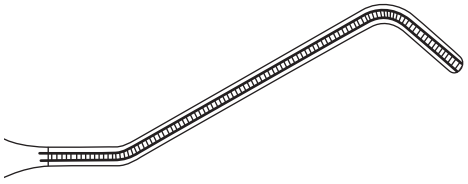
026-197-09 9,0 cm; 3 1/2"

026-197-11 11,0 cm; 4 3/8"

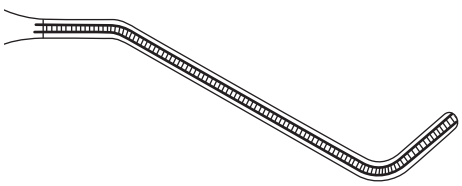
GREGORY **Carotisklemmen**
Carotid Clamp
Pinzas para carótis
Pince-clamps pour la carotide
Pinze carotis

ATRAUMA





026-199-01 11,0 cm; 4 3/8"



026-199-02 11,0 cm; 4 3/8"

Bulldogklemmen; Anlegezange
Bulldog Clamps; Applying forceps
Pinzas Bulldog; Pinza para aplicar
Pinces Bulldog; Pince pour poser
Pinze Bulldog; Pinza per applicazione

Art.Nr.	Beschreibung | *Description*

DE BAKEY

ATRAUMA

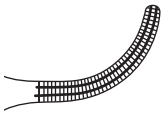
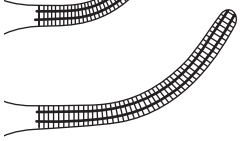
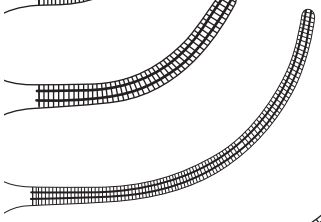


026-292-07	7,5 cm; 3"	
026-292-08	8,5 cm; 3 1/4"	
026-292-10	10,5 cm; 4"	
026-292-12	12,5 cm; 5"	

DE BAKEY

ATRAUMA



026-293-07	7,5 cm; 3"	
026-293-08	8,5 cm; 3 1/4"	
026-293-10	9,5 cm; 3 3/4"	
026-293-12	11,5 cm; 4 1/2"	

JOHNS-HOPKINS

Anlegezange für Johns-Hopkins und DeBakey Bulldogklemmen
Applying forceps for Johns-Hopkins and DeBakey Bulldog clamps
Pinza para aplicar pinzas Bulldog según Johns-Hopkins y DeBakey
Pince pour pose le clamps Bulldog de Johns-Hopkins et de DeBakey
Pinza per applicare le pinze Bulldog di Johns-Hopkins e di DeBakey

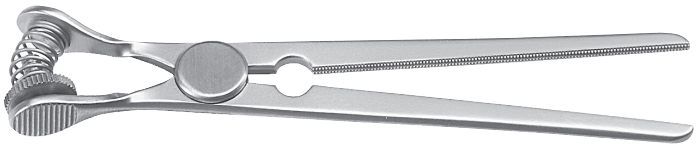


026-295-23	23,0 cm; 9"

Art.Nr.	Beschreibung | *Description*

GLOVER

ATRAUMA

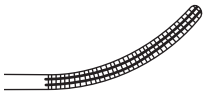
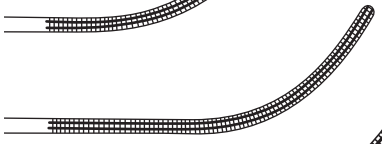
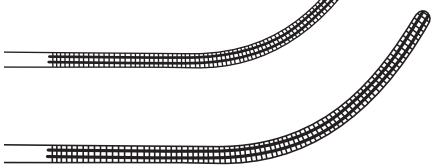


026-298-06	7,0 cm; 2 3/4"	
026-298-07	8,0 cm; 3 1/8"	
026-298-09	9,5 cm; 3 3/4"	
026-298-11	11,0 cm; 4 1/4"	

GLOVER

ATRAUMA

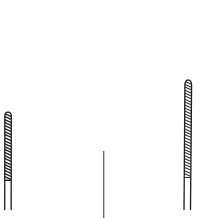


026-299-06	6,5 cm; 2 1/2"	
026-299-07	7,5 cm; 3"	
026-299-09	9,0 cm; 3 1/2"	
026-299-11	10,5 cm; 4"	

Art.Nr. **Beschreibung** | ***Description***

ATRAUMA Ti



	Vena				Arteria			
								
	027-032-30	027-032-35	027-032-40	027-032-50	027-042-30	027-042-35	027-042-40	027-042-50
L	30 mm	35 mm	40 mm	50 mm	30 mm	35 mm	40 mm	50 mm
M	9 mm	13 mm	14 mm	23 mm	9 mm	13 mm	14 mm	23 mm
S	110 ± 10 g	110 ± 10 g	110 ± 10 g	110 ± 10 g	220 ± 10 g	220 ± 10 g	220 ± 10 g	220 ± 10 g

S **Schließkraft**
Closing Force
Presión de oclusión
Pression d'occlusion
Pressione occlusiva

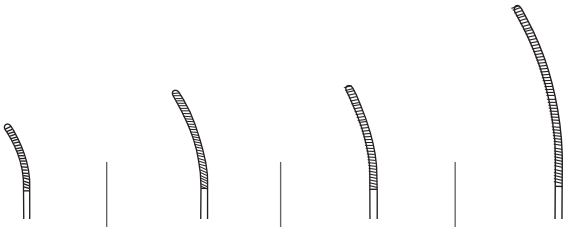
M **Maullänge**
Length of jaws
Longitud de la boca
Longueur de mors
Lungh. del morso

L **Länge**
Length
Longitud
Longueur
Lunghezza

Art.Nr. **Beschreibung** | ***Description***

ATRAUMA Ti



	Vena				Arteria			
								
	027-033-30	027-033-35	027-033-40	027-033-50	027-043-30	027-043-35	027-043-40	027-043-50
L	30 mm	35 mm	40 mm	50 mm	30 mm	35 mm	40 mm	50 mm
M	9 mm	13 mm	14 mm	23 mm	9 mm	13 mm	14 mm	23 mm
S	110 ± 10 g	110 ± 10 g	110 ± 10 g	110 ± 10 g	220 ± 10 g	220 ± 10 g	220 ± 10 g	220 ± 10 g

S **Schließkraft**
Closing Force
Presión de oclusión
Pression d'occlusion
Pressione occlusiva

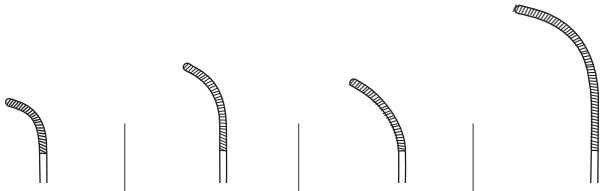
M **Maullänge**
Length of jaws
Longitud de la boca
Longueur de mors
Lungh. del morso

L **Länge**
Length
Longitud
Longueur
Lunghezza

Art.Nr. **Beschreibung** | ***Description***

ATRAUMA Ti



	Vena				Arteria			
								
	027-035-30	027-035-35	027-035-40	027-035-50	027-045-30	027-045-35	027-045-40	027-045-50
L	30 mm	35 mm	40 mm	50 mm	30 mm	35 mm	40 mm	50 mm
M	9 mm	13 mm	14 mm	23 mm	9 mm	13 mm	14 mm	23 mm
S	110 ± 10 g	110 ± 10 g	110 ± 10 g	110 ± 10 g	220 ± 10 g	220 ± 10 g	220 ± 10 g	220 ± 10 g

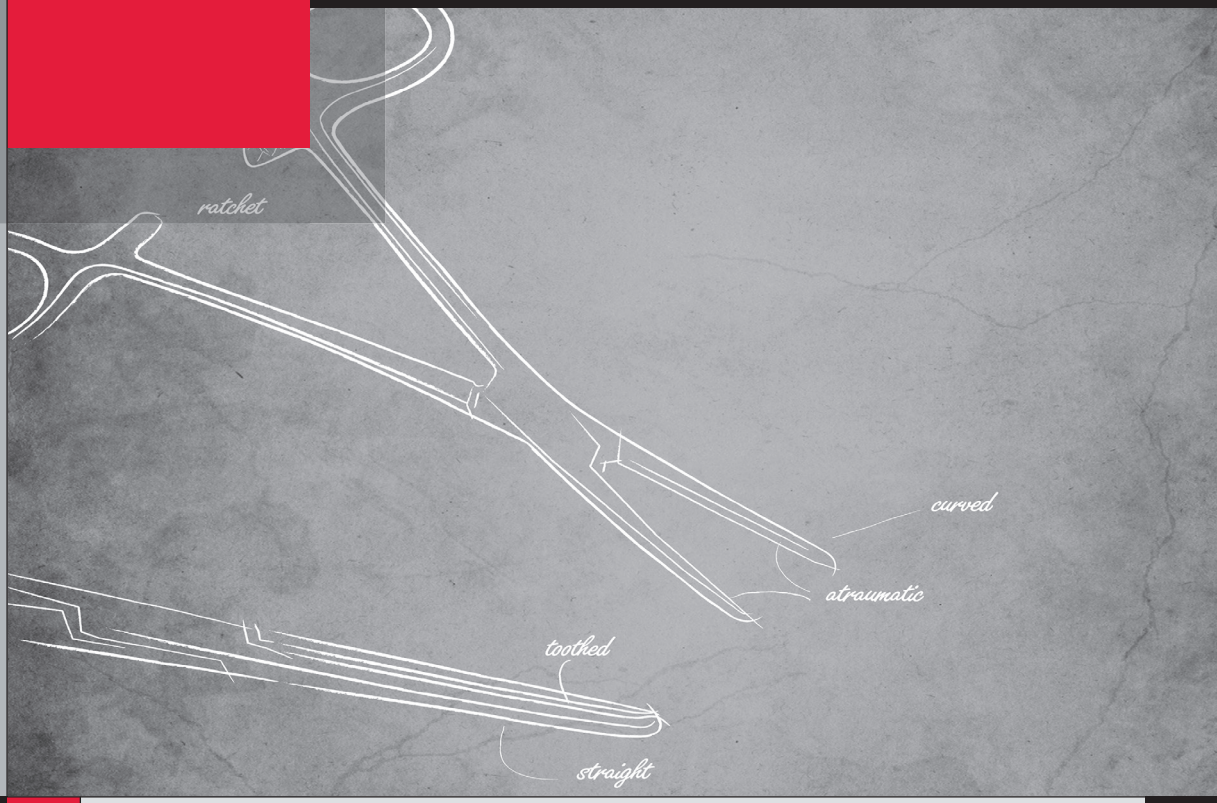
S **Schließkraft**
Closing Force
Presión de oclusión
Pression d'occlusion
Pressione occlusiva

M **Maullänge**
Length of jaws
Longitud de la boca
Longueur de mors
Lungh. del morso

L **Länge**
Length
Longitud
Longueur
Lunghezza

TONTARRA

OPEN SURGERY



Tuchklemmen; Tupferzangen

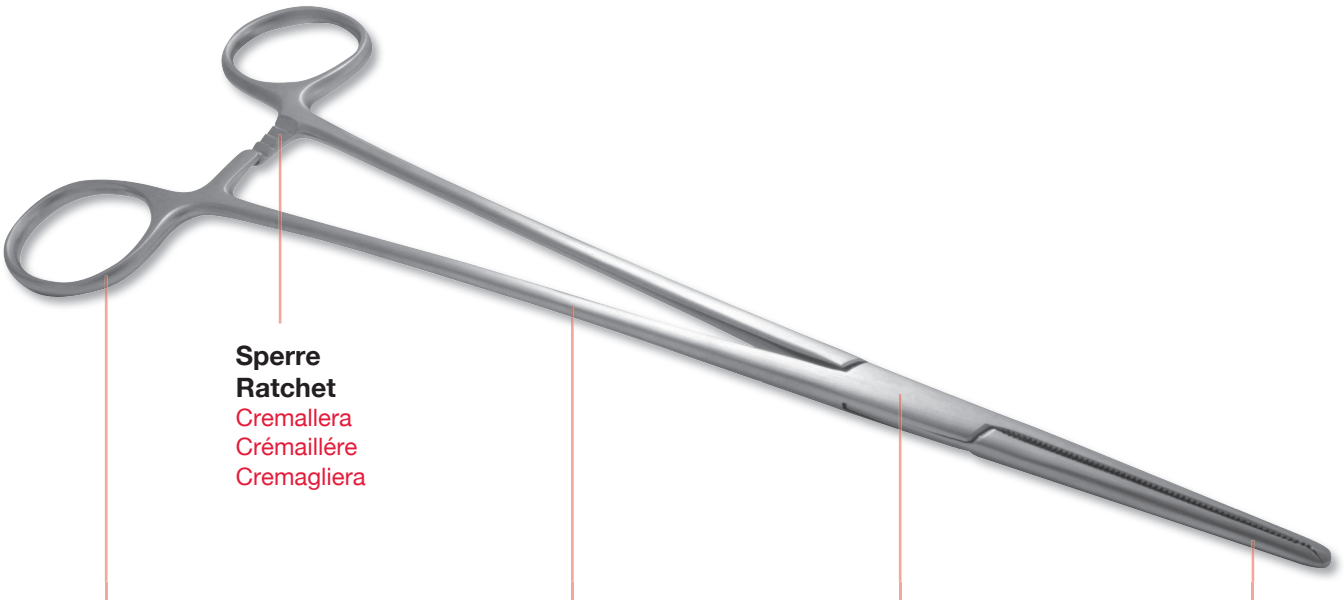
Towel Clamps; Sponge Forceps

Pinzas de campo; Pinzas para tápones

Pinces à champs; Pinces à tampons

Pinze fissateli; Pinze per tamponi

030



Sperre
Ratchet
Cremallera
Crémaillére
Cremagliera

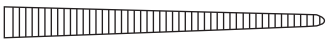
Ringe
Rings
Anillos
Anneaux
Anelli

Branchen (Stangen)
Branches (Shanks)
Ramos (Barra)
Branches (Barres)
Branche (Barre)

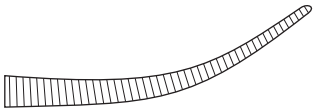
Durchsteckschluß
Boxlock
Engaste
Support
Incastro

Maul
Jaw
Boca
Mors
Morso

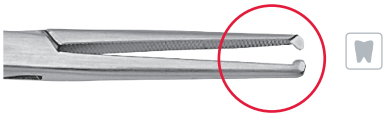
Maul gerade
Jaw straight
Boca recta
Mors droite
Morso retta



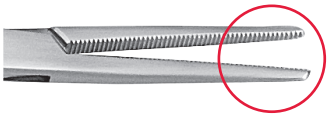
Maul gebogen
Jaw curved
Boca curva
Mors courbe
Morso curva



Spitzen mit Zähnen
Tips with teeth
Puntas con dientes
Pointe avec dents
Punte con denti



Spitzen ohne Zähne
Tips without teeth
Puntas sin dientes
Pointe sans dents
Punte senza denti



quergerieft
horizontal serrated
estriada horizontal
striée horizontal
zigrinatura orizzontale



kreuzgerieft
cross serrated
estriada a cruz
striée à croix
zigrinatura a croce



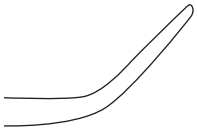
längsgerieft
longitudinal serrated
estriada longitudinal
striée longitudinal
zigrinatura longitudinale



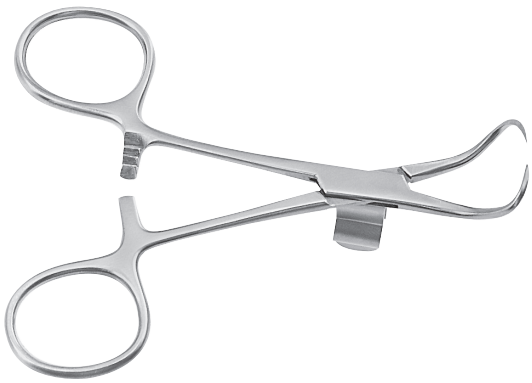
Art.Nr.	Beschreibung | *Description*

BACKHAUS



030-000-09	9,0 cm; 3 1/2"	
030-000-11	11,0 cm; 4 3/8"	
030-000-13	13,0 cm; 5 1/8"	
030-000-15	15,0 cm; 6"	

BACKHAUS **mit Schlauchhalter | with clip for tubes**
con porta-tubo | avec porte-tube | con supporto-tubo



030-005-11	11,0 cm; 4 3/8"

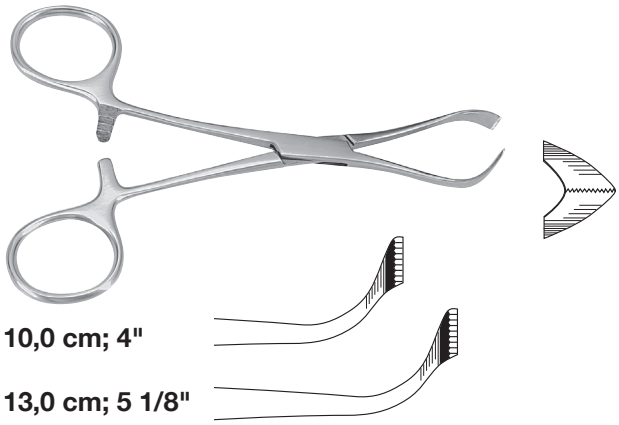
Art.Nr.	Beschreibung | *Description*

ROEDER



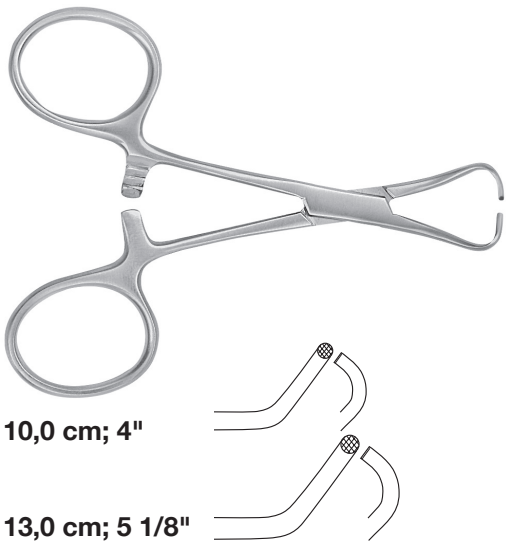
030-010-13	**13,0 cm; 5 1/8"**
030-010-15	**15,0 cm; 6"**

LORNA



030-014-10	**10,0 cm; 4"**
030-014-13	**13,0 cm; 5 1/8"**

TOHOKU **stumpf | blunt | romo | mousse | smusso**

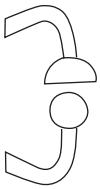


030-020-10	**10,0 cm; 4"**
030-020-13	**13,0 cm; 5 1/8"**

Art.Nr.	Beschreibung | *Description*

für Papierabdeckung | for paper clothes
para paños de papel | pour couverture papier | per coperatura di carta

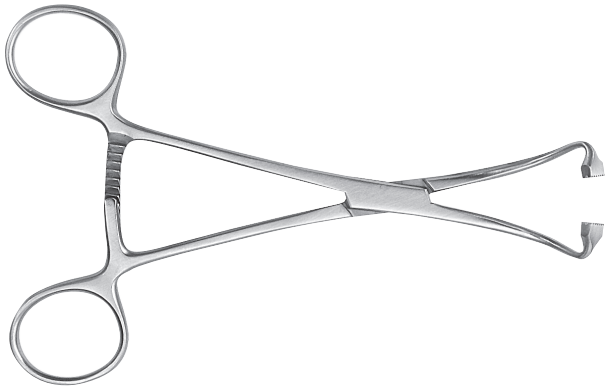


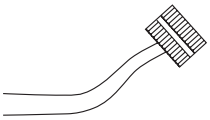


"Ball and Socket"

030-024-11	**11,5 cm; 4 1/2"**
030-024-13	**13,0 cm; 5 1/8"**

PEERS

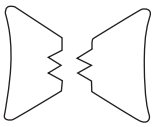




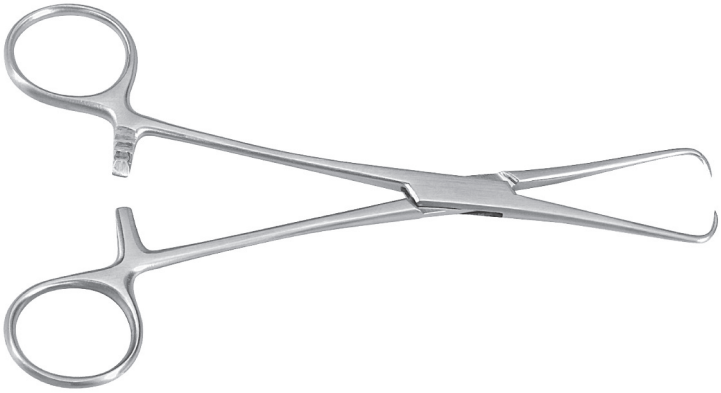
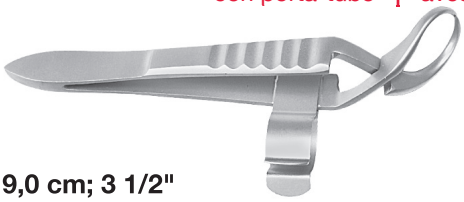
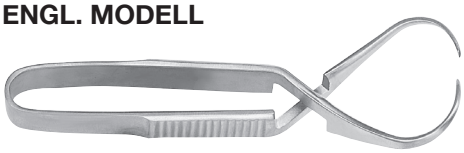
030-030-14	**14,5 cm; 5 3/4"**

LANE



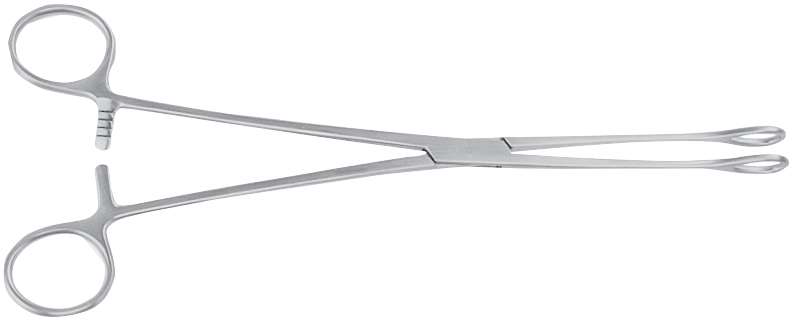


030-040-15	**15,0 cm; 6"**
030-040-20	**20,0 cm; 8"**

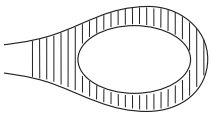
Art.Nr.	Beschreibung | *Description*
	BERNHARD
	
030-044-16	**16,5 cm; 6 1/4"**
	SCHAEDEL
	
030-101-09	**9,0 cm; 3 1/2"**
	JONES
	
030-105-05	**5,0 cm; 2"**
	JONES
	
030-105-09	**9,0 cm; 3 1/2"**
	JONES **mit Schlauchhalter | with tube holder** con porta-tubo | avec porte-tube | con supporto-tubo
	
030-107-09	**9,0 cm; 3 1/2"**
	ENGL. MODELL
	
030-109-09	**9,0 cm; 3 1/2"**

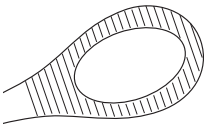
Art.Nr.	Beschreibung | *Description*		

FOERSTER-BALLENGER

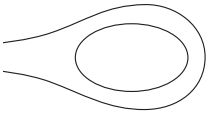


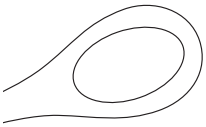
030-160-18	18,0 cm; 7"	030-161-18	18,0 cm; 7"
030-160-20	20,0 cm; 8"	030-161-20	20,0 cm; 8"
030-160-25	25,0 cm; 9 3/4"	030-161-25	25,0 cm; 9 3/4"





030-170-18	18,0 cm; 7"	030-171-18	18,0 cm; 7"
030-170-20	20,0 cm; 8"	030-171-20	20,0 cm; 8"
030-170-25	25,0 cm; 9 3/4"	030-171-25	25,0 cm; 9 3/4"



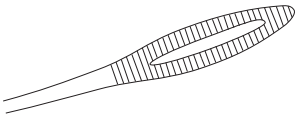


FOERSTER



030-180-25	25,0 cm; 9 3/4"	030-181-25	25,0 cm; 9 3/4"

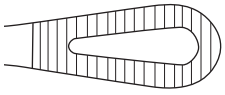


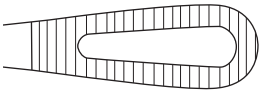


RAMPLEY

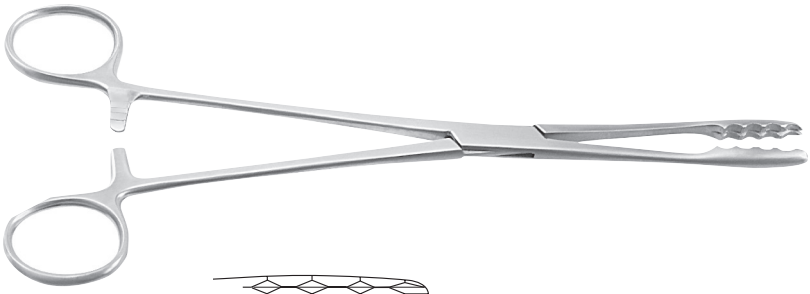
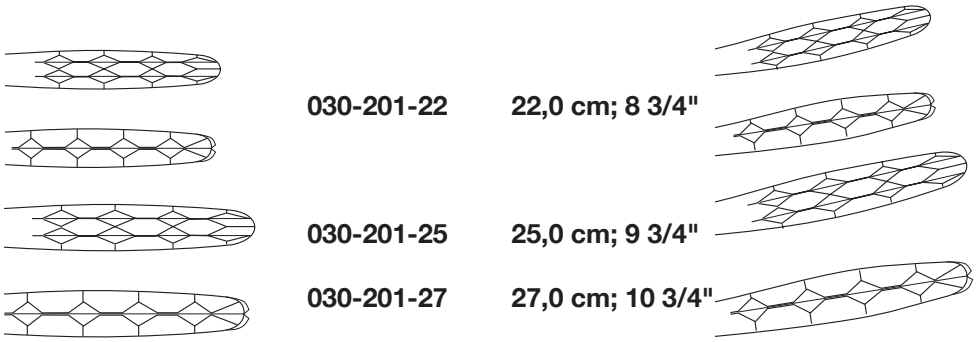
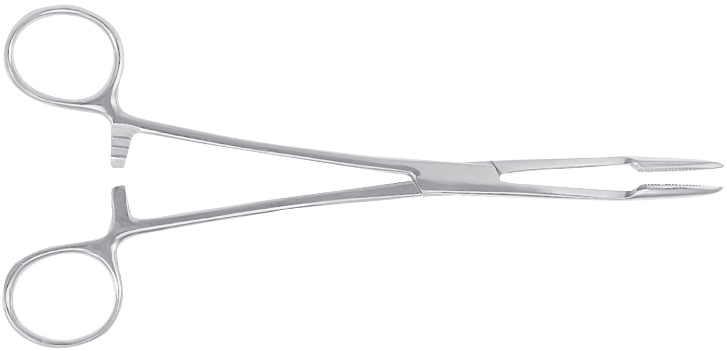
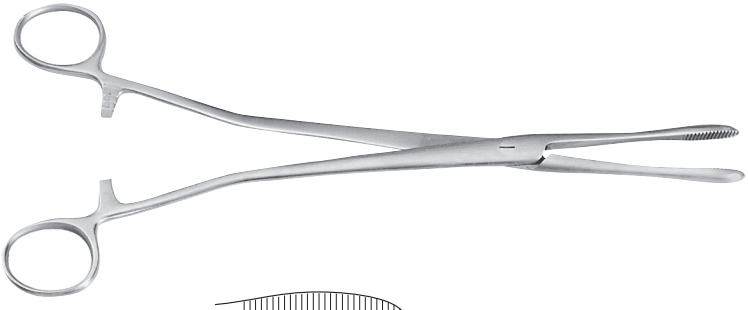
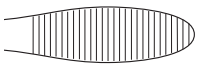


030-190-18	18,0 cm; 7"	030-190-25	25,0 cm; 9 3/4"

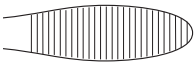
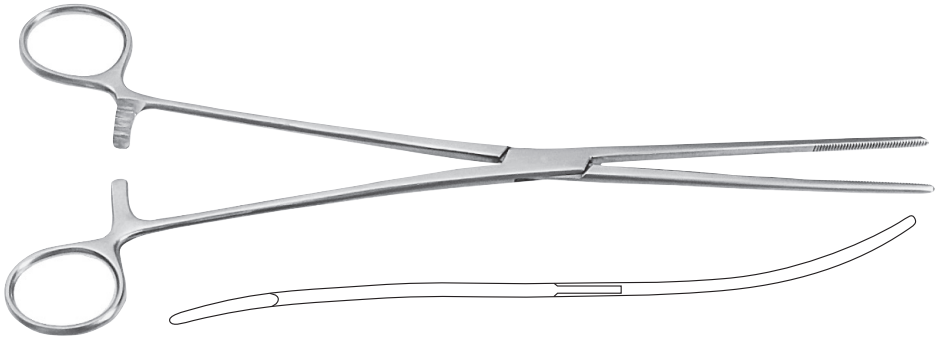
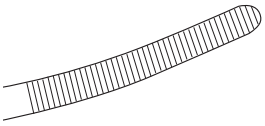
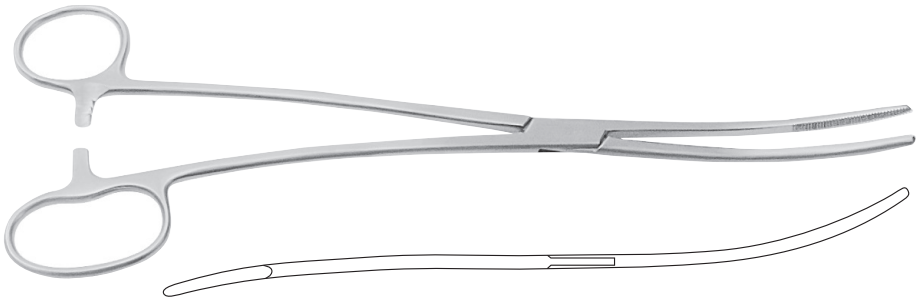
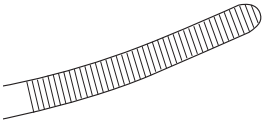


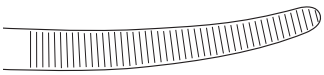
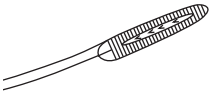


Schwamm- und Tupferzangen
Sponge and Dressing Forceps
Pinzas para esponjas y tápones
Pinces pour éponges et à tampons
Pinze per tamponi e spunge

Art.Nr.	Beschreibung | *Description*		
	ULRICH		
			
030-200-22	22,0 cm; 8 3/4"	030-201-22	22,0 cm; 8 3/4"
030-200-25	25,0 cm; 9 3/4"	030-201-25	25,0 cm; 9 3/4"
030-200-27	27,0 cm; 10 3/4"	030-201-27	27,0 cm; 10 3/4"
			
	GROSS-MAIER		
			
030-210-20	20,0 cm; 8"	030-211-20	20,0 cm; 8"
030-210-22	22,0 cm; 8 3/4"	030-211-22	22,0 cm; 8 3/4"
030-210-27	27,0 cm; 10 3/4"	030-211-27	27,0 cm; 10 3/4"
			
	COLLIN		
			
030-300-25	25,0 cm; 9 3/4"		
			

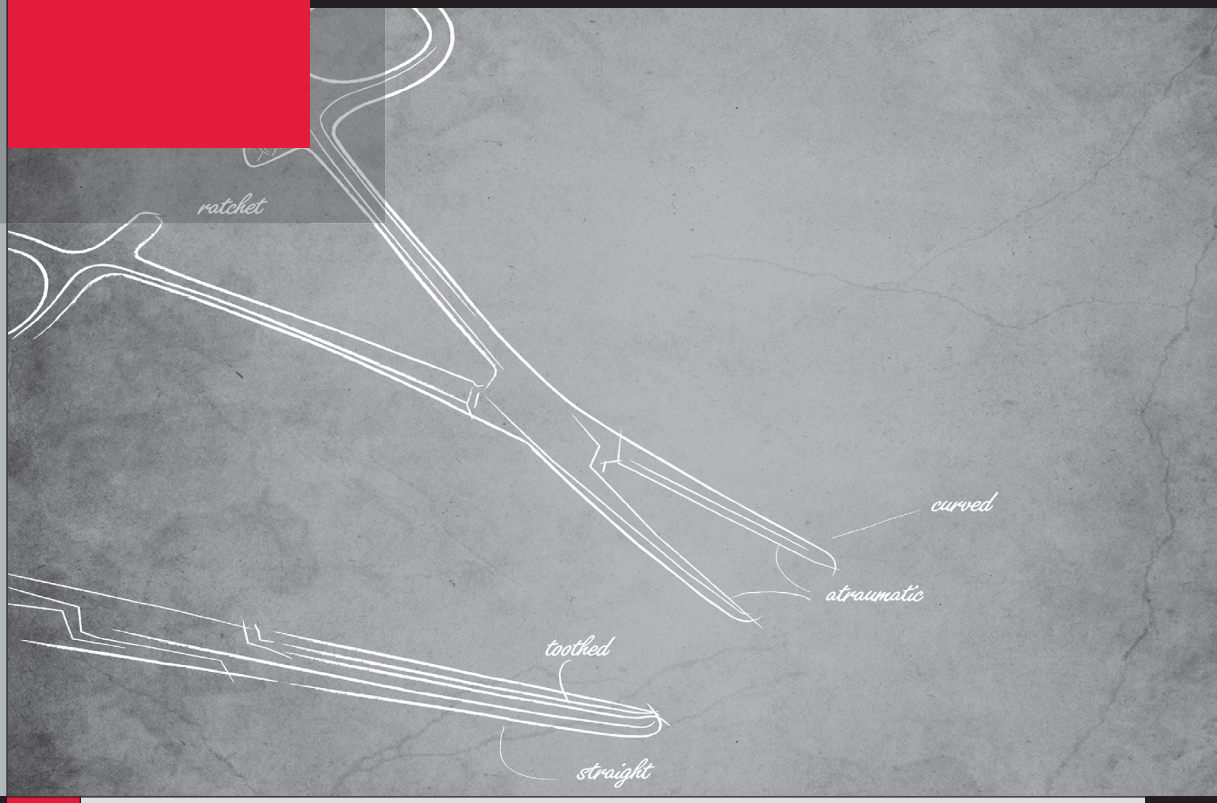
Korn- und Tupferzangen
Cotton Swap Forceps
Pinzas para tápones y curaciones
Pinces á tampons et à pansements
Pinze per tamponi per medicazione

Art.Nr.	Beschreibung | *Description*	
	CHERON	
		
030-303-25	**25,0 cm; 9 3/4"**	
	BOZEMANN	
		
030-320-26	**26,0 cm; 10 1/4"**	
030-321-26	**26,0 cm; 10 1/4"**	
	BOZEMANN-DOUGLAS	
		
030-327-26	**26,0 cm; 10 1/4"**	

Art.Nr.	Beschreibung | *Description*
	BRYANT
	
030-351-13	**13,0 cm; 5 1/8"** 
	LISTER
	
030-360-13	**13,0 cm; 5 1/8"** 
030-360-16	**16,0 cm; 6 1/4"** 
030-360-18	**18,0 cm; 7"** 
	MARTIN
	
030-370-17	**17,5 cm; 7"** 
030-371-17	**17,5 cm; 7"** 

TONTARRA

OPEN SURGERY



Schlauchklemmen

Tubing Clamps

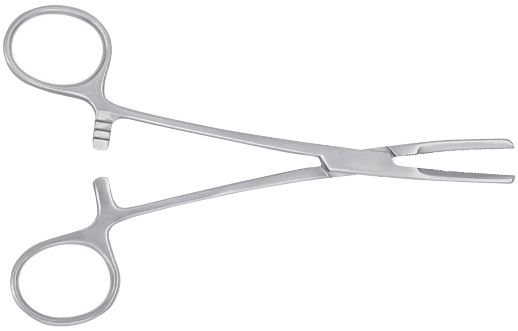
Pinzas para tubos

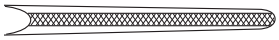
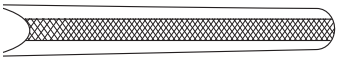
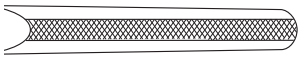
Pinces presse-tubes

Pinze serratubi

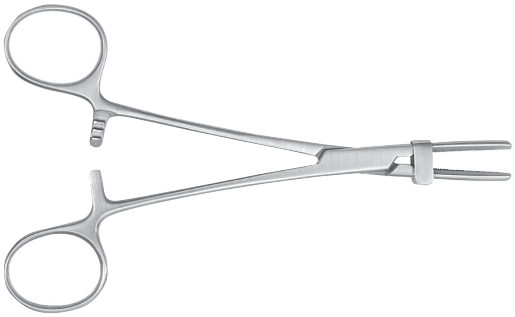
032

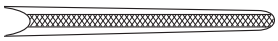
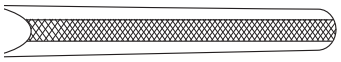
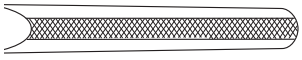
Art.Nr.	Beschreibung | *Description*



032-002-15	15,0 cm; 6"		032-002-20	20,0 cm; 8"	
032-002-18	18,0 cm; 7"				

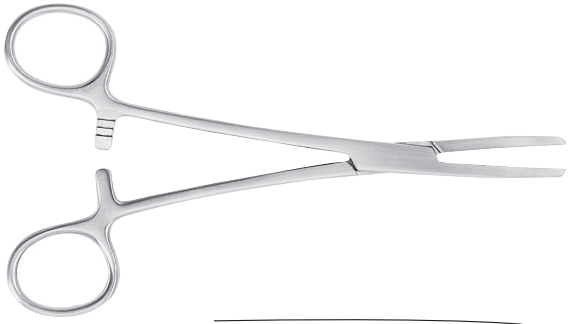
mit Schutzbügel | with safety guard | con estribo de protección | avec protection | con protezione



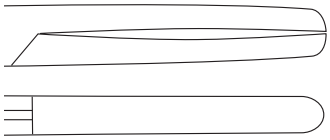
032-004-15	15,0 cm; 6"		032-004-20	20,0 cm; 8"	
032-004-18	18,0 cm; 7"				

Art.Nr.	Beschreibung | *Description*

PRESBYTERIAN

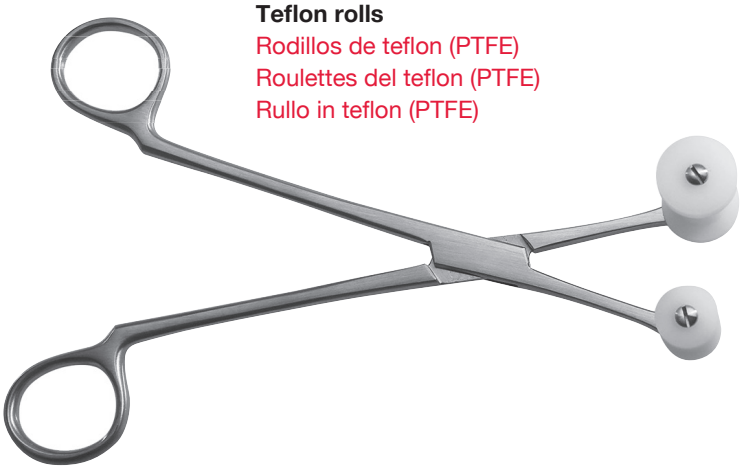


032-012-16	**16,5 cm; 6 1/2"**
032-012-18	**18,0 cm; 7"**
032-012-20	**20,0 cm; 8"**



GUNNAR HEY

Teflonrollen
Teflon rolls
Rodillos de teflon (PTFE)
Roulettes del teflon (PTFE)
Rullo in teflon (PTFE)



032-090-18	**18,5 cm; 7,4"**

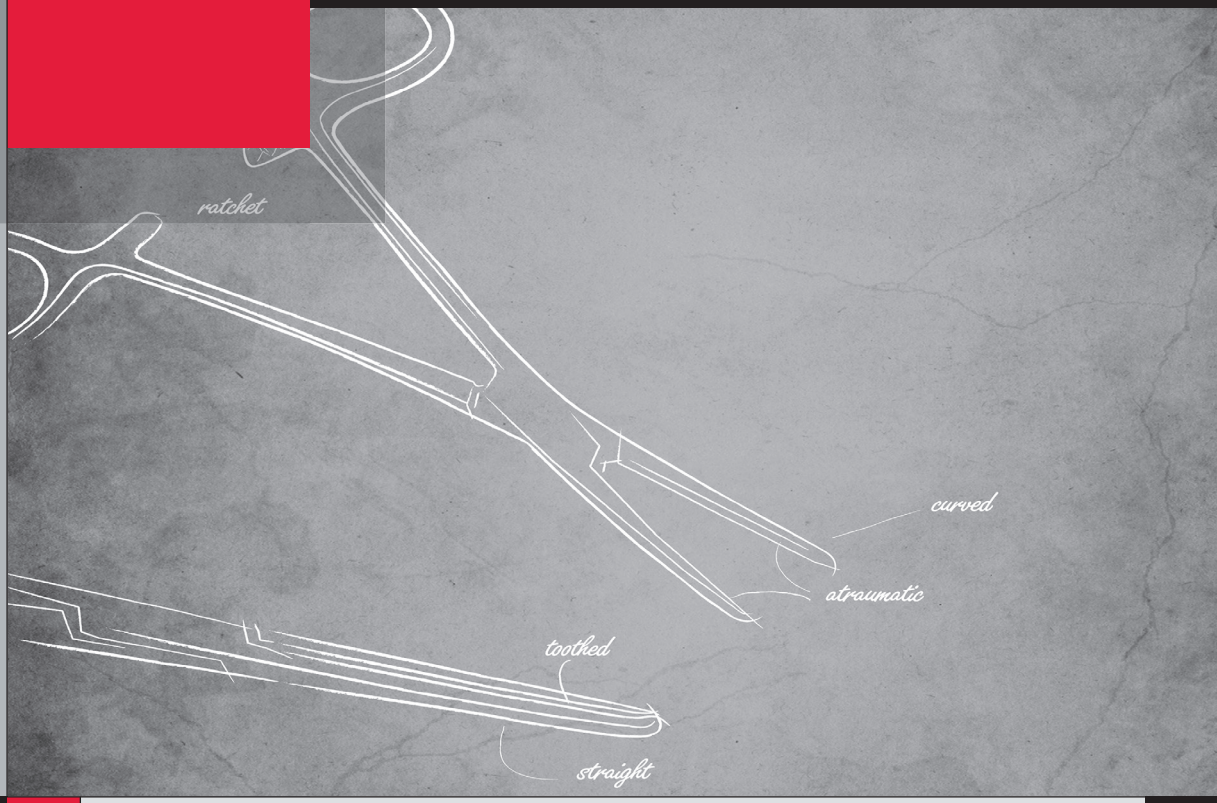
Aluminium blau eloxiert; Teflonrollen
Aluminium blue anodised; Teflon rolls
Aluminio; azul; Rodillos de teflon (PTFE)
Aluminium; blue; Roulettes del teflon (PTFE)
Alluminium; blu; Rullo in teflon (PTFE)



032-210-00	**16,0 cm; 6,4"**

TONTARRA

OPEN SURGERY



Arterienklemmen

Haemostatic Forceps

Pinzas hemostáticas

Pinces hémostatiques

Pinze emostatiche

040

Art.Nr.	Beschreibung | *Description*

HARTMANN



040-000-10	10,0 cm; 4"	
040-001-10	10,0 cm; 4"	

CARREL



040-010-08	8,0 cm; 3 1/8"	

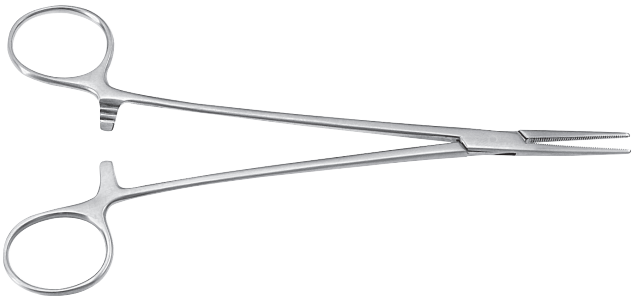
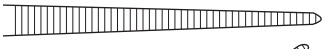
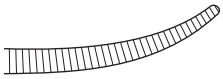
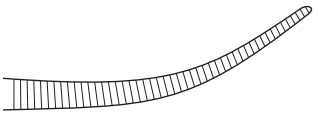
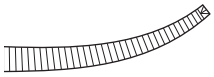
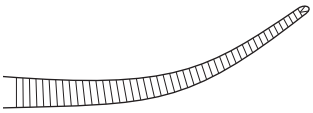
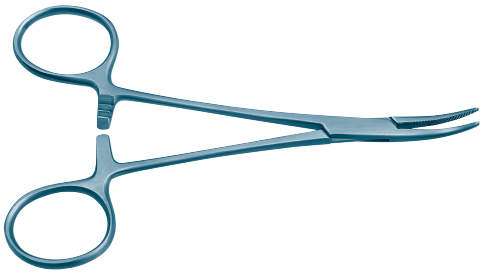
TERRIER

1 x 2

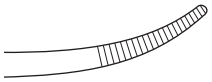
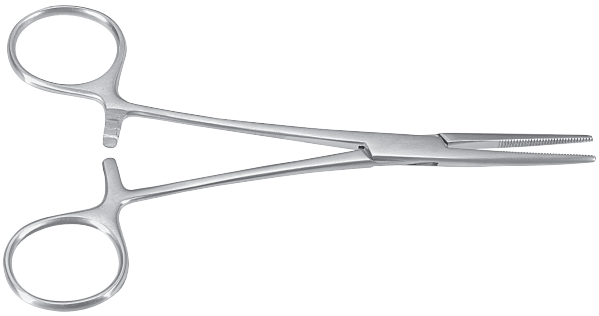
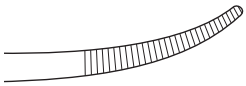
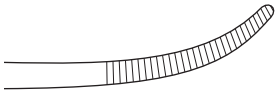


040-016-08	8,0 cm; 3 1/8"	

Art.Nr.	Beschreibung | *Description*				
	MICRO-MOSQUITO				
					
040-020-10	10,0 cm; 4"		040-020-12	12,0 cm; 4 3/4"	
040-021-10	10,0 cm; 4"		040-021-12	12,0 cm; 4 3/4"	
	1 x 2				
040-030-10	10,0 cm; 4"		040-030-12	12,0 cm; 4 3/4"	
040-031-10	10,0 cm; 4"		040-031-12	12,0 cm; 4 3/4"	
	HALSTED-MOSQUITO				
					
040-050-12	12,5 cm; 5"		040-050-14	14,0 cm; 5 1/2"	
040-051-12	12,5 cm; 5"		040-051-14	14,0 cm; 5 1/2"	
	1 x 2				
040-070-12	12,5 cm; 5"		040-070-14	14,0 cm; 5 1/2"	
040-071-12	12,5 cm; 5"		040-071-14	14,0 cm; 5 1/2"	

Art.Nr.	Beschreibung | *Description*				
	HALSTED-MOSQUITO				
					
040-050-18	18,0 cm; 7"		040-050 -21	21,0 cm; 8 1/4"	
040-051-18	18,0 cm; 7"		040-051-21	21,0 cm; 8 1/4"	
	1 x 2				
040-070-18	18,0 cm; 7"		040-070-21	21,0 cm; 8 1/4"	
040-071-18	18,0 cm; 7"		040-071-21	21,0 cm; 8 1/4"	
	HALSTED-MOSQUITO TITAN				Ti
					
040-052-12	12,5 cm; 5"				
040-053-12	12,5 cm; 5"				
	1 x 2				
040-072-12	12,5 cm; 5"				
040-073-12	12,5 cm; 5"				

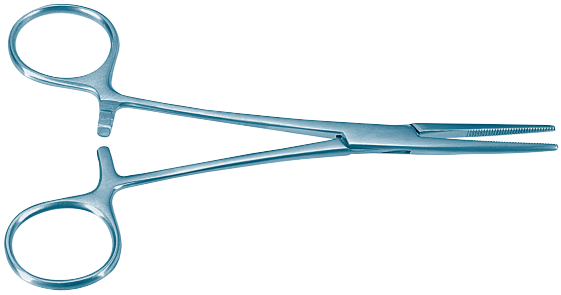
040

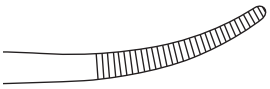
Art.Nr.	Beschreibung | *Description*
	PROVIDENCE-HOSPITAL
	
040-140-14	**14,0 cm; 5 1/2"** 
040-141-14	**14,0 cm; 5 1/2"** 
	KELLY
	
040-150-14	**14,0 cm; 5 1/2"** 
040-151-14	**14,0 cm; 5 1/2"** 
	KELLY-RANKIN
	
040-152-16	**16,0 cm; 6 1/4"** 
040-153-16	**16,0 cm; 6 1/4"** 

Art.Nr.	Beschreibung | *Description*

KELLY TITAN

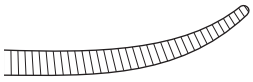
Ti



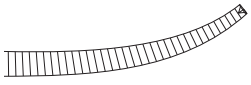
040-154-14	14,0 cm; 5 1/2"		040-155-14	14,0 cm; 5 1/2"	

CRILE



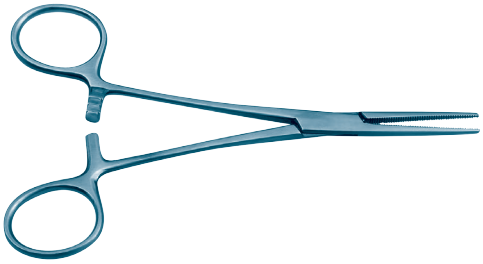
040-160-14	14,0 cm; 5 1/2"	
040-161-14	14,0 cm; 5 1/2"	

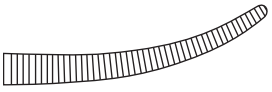
1 x 2

040-170-14	14,0 cm; 5 1/2"	
040-171-14	14,0 cm; 5 1/2"	

CRILE TITAN

Ti

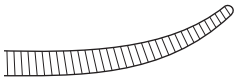


040-162-14	14,0 cm; 5 1/2"		040-163-14	14,0 cm; 5 1/2"	

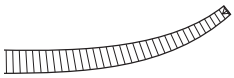
Art.Nr.	Beschreibung | *Description*

CRILE-RANKIN



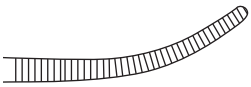
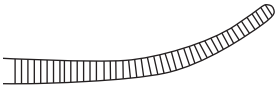
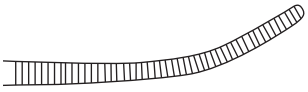
040-180-16	16,0 cm; 6 1/4"	
040-181-16	16,0 cm; 6 1/4"	

1 x 2

040-182-16	16,0 cm; 6 1/4"	
040-183-16	16,0 cm; 6 1/4"	

PEAN-DELICATE

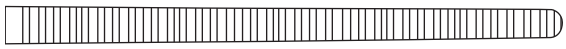


040-262-13	13,0 cm; 5 1/8"		040-263-13	13,0 cm; 5 1/8" 
040-262-14	14,0 cm; 5 1/2"		040-263-14	14,0 cm; 5 1/2" 
040-262-16	16,0 cm; 6 1/4"		040-263-16	16,0 cm; 6 1/4" 

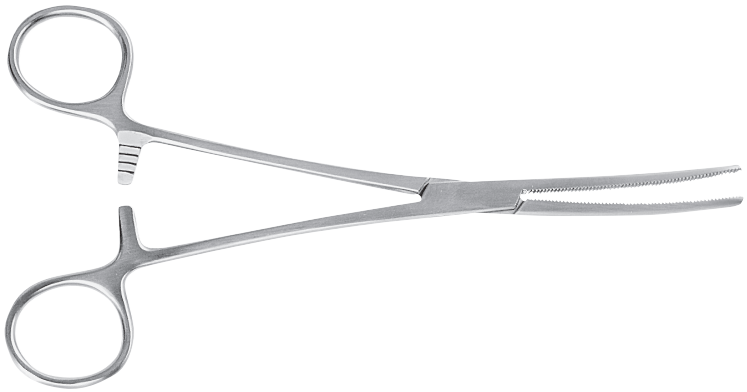
Art.Nr.	Beschreibung | *Description*

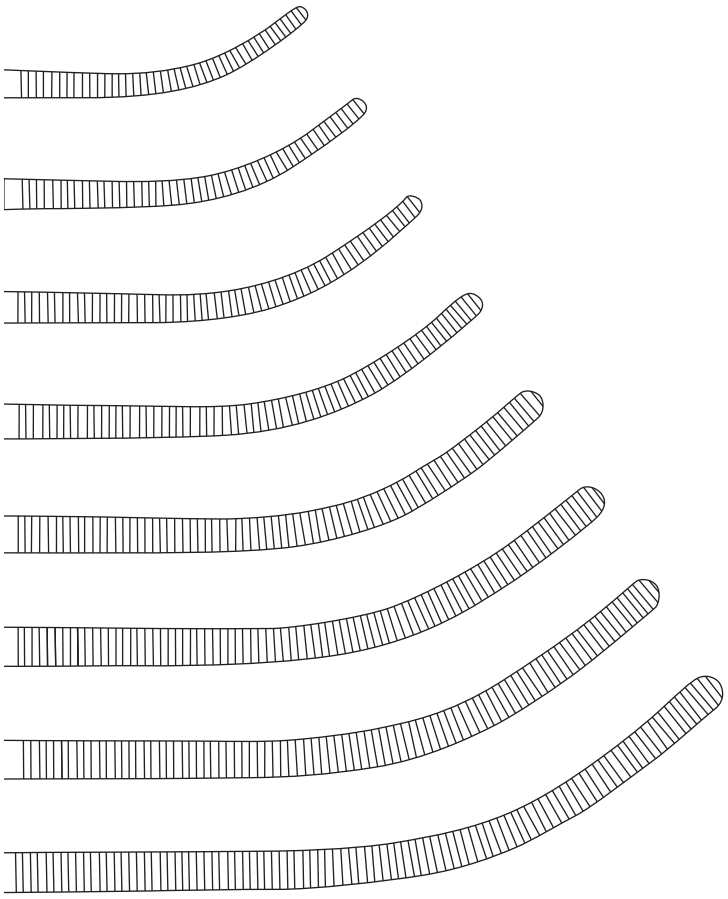
ROCHESTER-PEAN



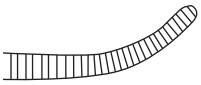
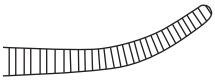
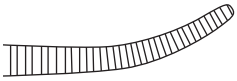
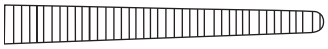
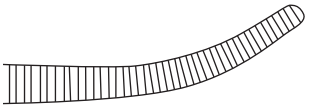
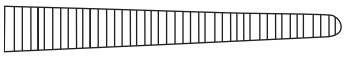
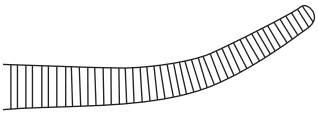
040-260-14	14,0 cm; 5 1/2"	
040-260-16	16,0 cm; 6 1/4"	
040-260-18	18,0 cm; 7"	
040-260-20	20,0 cm; 8"	
040-260-22	22,0 cm; 8 3/4"	
040-260-24	24,0 cm; 9 1/2"	
040-260-26	26,0 cm; 10 1/4"	
040-260-30	30,0 cm; 11 3/4"	

Art.Nr.	Beschreibung | *Description*
	ROCHESTER-PEAN



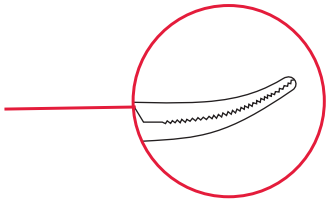


040-261-14	14,0 cm; 5 1/2"
040-261-16	16,0 cm; 6 1/4"
040-261-18	18,0 cm; 7"
040-261-20	20,0 cm; 8"
040-261-22	22,0 cm; 8 3/4"
040-261-24	24,0 cm; 9 1/2"
040-261-26	26,0 cm; 10 1/4"
040-261-30	30,0 cm; 11 3/4"

Art.Nr.	Beschreibung | *Description*				
	SPENCER-WELLS				
					
040-290-13	13,0 cm; 5 1/8"		040-291-13	13,0 cm; 5 1/8"	
040-290-14	14,0 cm; 5 1/2"		040-291-14	14,0 cm; 5 1/2"	
040-290-15	15,0 cm; 6"		040-291-15	15,0 cm; 6"	
040-290-18	18,0 cm; 7"		040-291-18	18,0 cm; 7"	
040-290-20	20,0 cm; 8"		040-291-20	20,0 cm; 8"	

DANDY-MOSQUITO

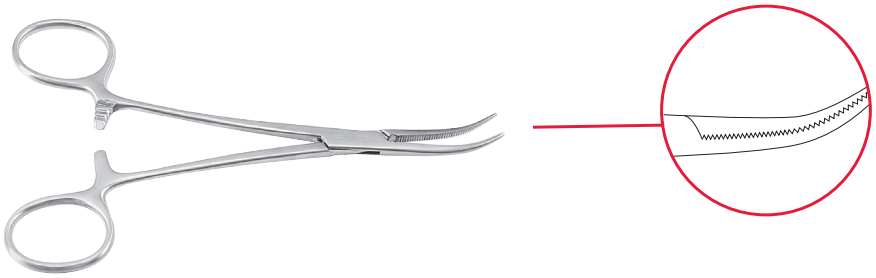




040-341-12	12,0 cm; 4 3/4"	

Art.Nr.	Beschreibung | *Description*

DANDY



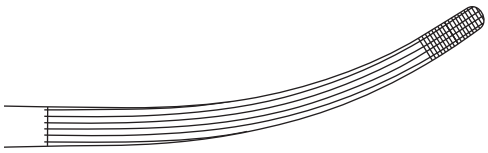
040-345-14	14,0 cm; 5 1/2"	

1 x 2

040-347-14	14,0 cm; 5 1/2"	

ROCHESTER-CARMALT

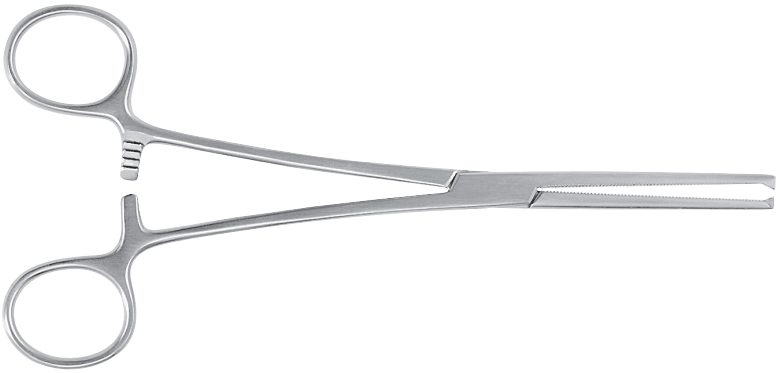


040-340-16	16,0 cm; 6 1/4"	
040-341-16	16,0 cm; 6 1/4"	
040-340-20	20,0 cm; 8"	
040-341-20	20,0 cm; 8"	

Art.Nr.	Beschreibung | *Description*

KOCHER-OCHSNER

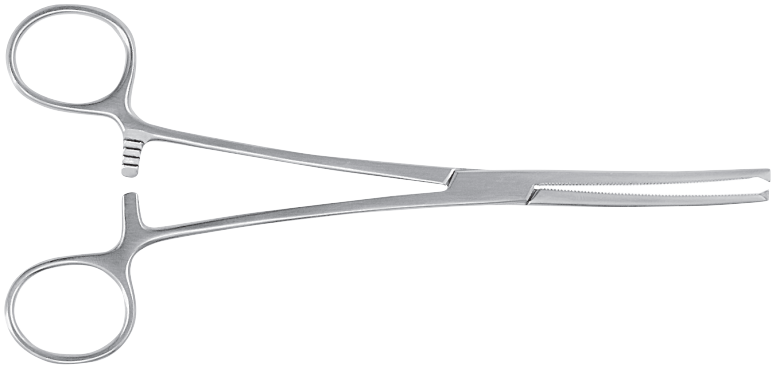
1 x 2



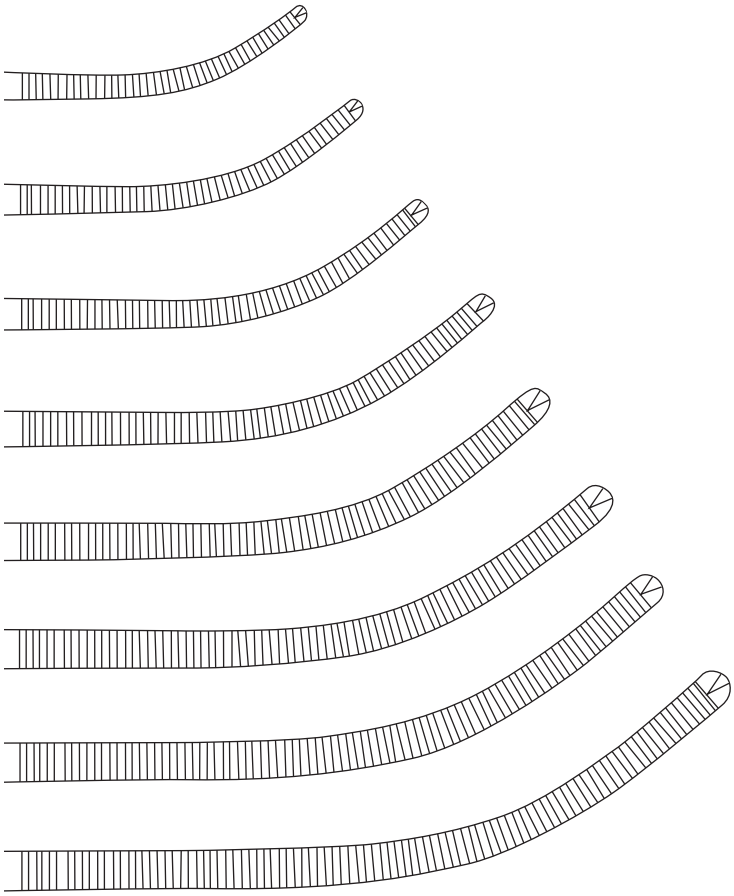
040-350-14	14,0 cm; 5 1/2"	
040-350-16	16,0 cm; 6 1/4"	
040-350-18	18,0 cm; 7"	
040-350-20	20,0 cm; 8"	
040-350-22	22,0 cm; 8 3/4"	
040-350-24	24,0 cm; 9 1/2"	
040-350-26	26,0 cm; 10 1/4"	
040-350-30	30,0 cm; 11 3/4"	

Art.Nr.	Beschreibung | *Description*

KOCHER-OCHSNER 1 x 2



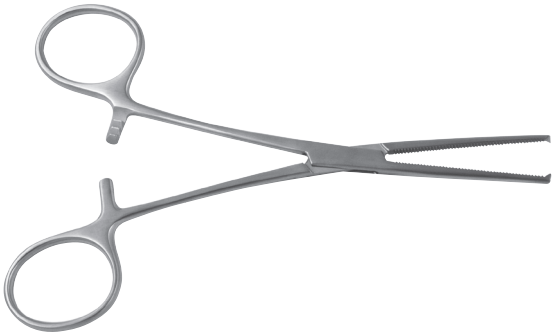
040-351-14	14,0 cm; 5 1/2"	
040-351-16	16,0 cm; 6 1/4"	
040-351-18	18,0 cm; 7"	
040-351-20	20,0 cm; 8"	
040-351-22	22,0 cm; 8 3/4"	
040-351-24	24,0 cm; 9 1/2"	
040-351-26	26,0 cm; 10 1/4"	
040-351-30	30,0 cm; 11 3/4"	

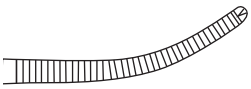
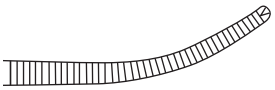


Art.Nr. Beschreibung | *Description*

KOCHER-DELICATE

1 x 2



040-352-13	13,0 cm; 5 1/8"		040-353-13	13,0 cm; 5 1/8"	
040-352-14	14,0 cm; 5 1/2"		040-353-14	14,0 cm; 5 1/2"	
040-352-16	16,0 cm; 6 1/4"		040-353-16	16,0 cm; 6 1/4"	

DIXON-LOVELACE



040-354-15	15,0 cm; 6"	

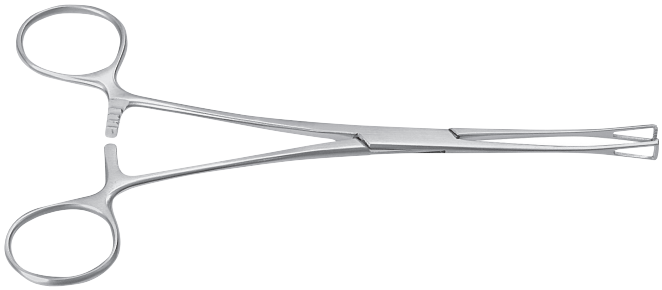
1 x 2

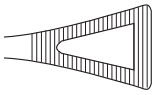
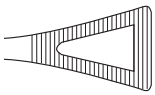
040-356-15	15,0 cm; 6"	

Arterienklemmen; Kopfhautklemmen
Haemostatic Forceps; Scalp Flap Forceps
Pinzas hemostáticas; Pinzas para cuero cabelludo
Pinces hémostatiques; Pince pour le cuir chevelu
Pinze emostatiche; Pinze per il cuoio copelluto

Art.Nr.	Beschreibung | *Description*

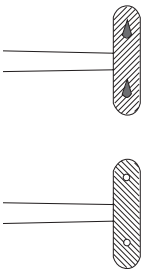
PENNINGTON



040-358-15	15,0 cm; 6"	
040-358-20	20,0 cm; 8"	

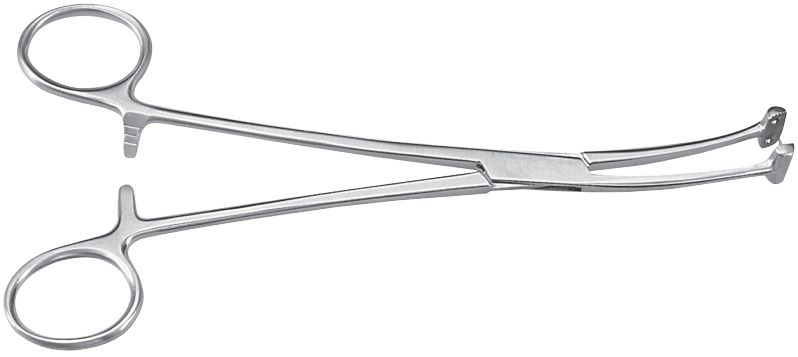
MARTEL





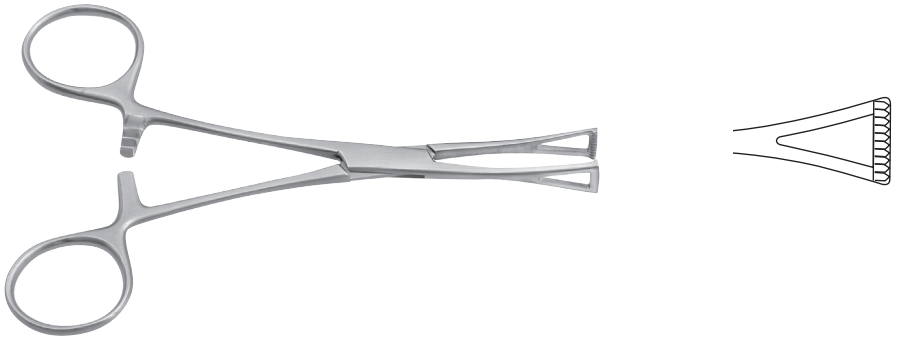
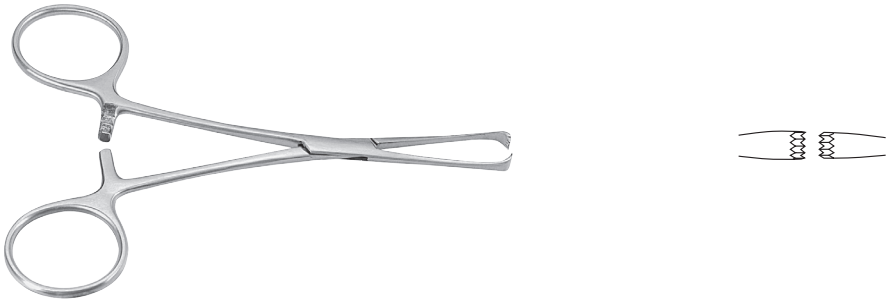
040-364-14	14,0 cm; 5 1/2"

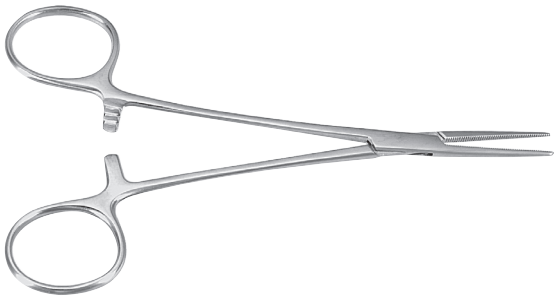
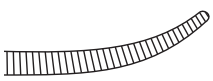
WILLET-MARTEL

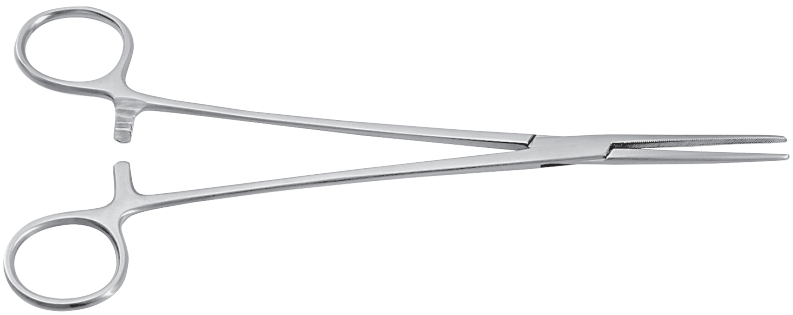
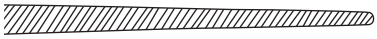
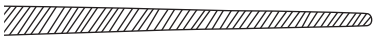
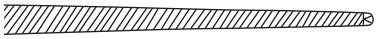
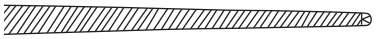




040-366-19	19,0 cm; 7 1/2"

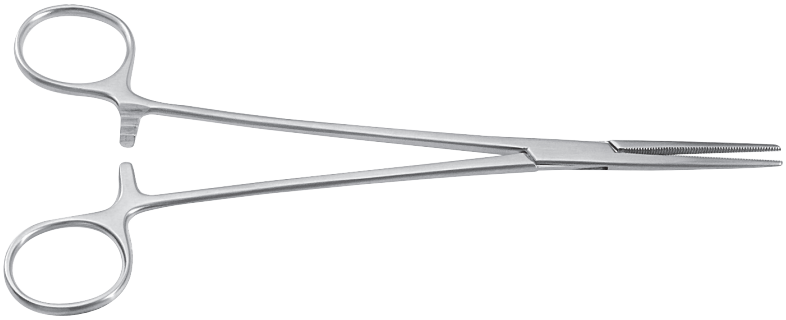
Art.Nr.	Beschreibung | *Description*
	COLLIN
	
040-362-14	14,0 cm; 5 1/2"
	CHAPUT
	
040-370-13	13,0 cm; 5 1/8"
	TUFFIER
	
040-372-13	13,0 cm; 5 1/8"
	COLLIN
	
040-376-16	16,0 cm; 6 1/4"

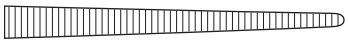
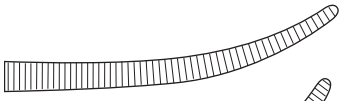
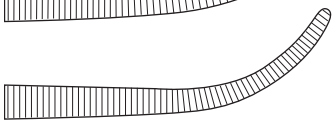
Art.Nr.	Beschreibung | *Description*	
	PEAN	
		
040-368-14	14,0 cm; 5 1/2"	
040-368-16	16,0 cm; 6 1/4"	
	KROENLEIN	
		
040-369-13	13,0 cm; 5 1/8"	
	LERICHE	
		
040-380-15	15,0 cm; 6"	
040-381-15	15,0 cm; 6"	
	1 x 2	
040-382-15	15,0 cm; 6"	
040-383-15	15,0 cm; 6"	

Art.Nr.	Beschreibung | *Description*	
	BENGOLEA	
		
040-384-20	20,0 cm; 8"	
040-384-26	26,0 cm; 10 1/4"	
040-385-20	20,0 cm; 8"	
040-385-26	26,0 cm; 10 1/4"	
	1 x 2	
040-386-20	20,0 cm; 8"	
040-386-26	26,0 cm; 10 1/4"	
040-387-20	20,0 cm; 8"	
040-387-26	26,0 cm; 10 1/4"	

Art.Nr.	Beschreibung | *Description*

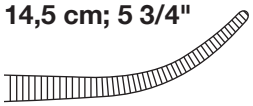
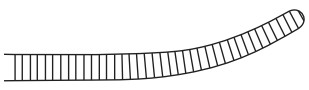
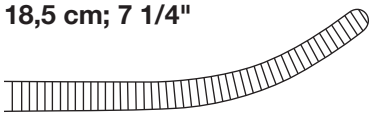
HEISS



040-390-20	20,0 cm, 8"	
040-391-20	20,0 cm, 8"	
040-393-20	20,0 cm, 8"	

PEAN-NIPPON

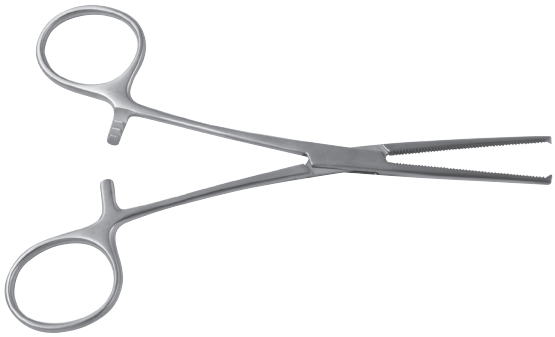


040-404-14	14,5 cm; 5 3/4"		040-405-14	14,5 cm; 5 3/4" 
040-404-16	16,5 cm; 6 1/2"		040-405-16	16,5 cm; 6 1/2" 
040-404-18	18,5 cm; 7 1/4"		040-405-18	18,5 cm; 7 1/4" 

Art.Nr.	Beschreibung | *Description*

KOCHER-NIPPON

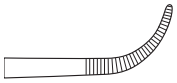
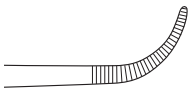
1 x 2

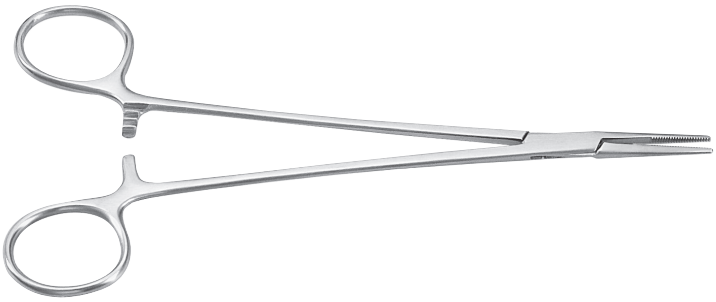
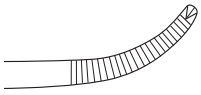
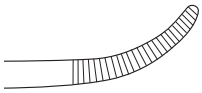
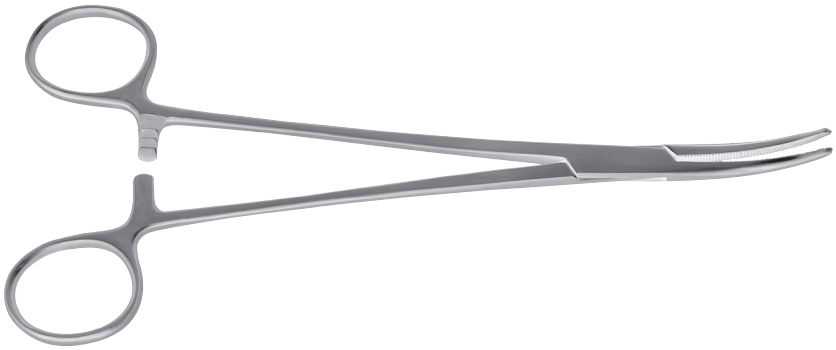
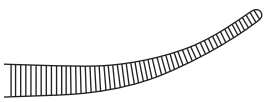


040-406-14	14,5 cm; 5 3/4"	040-407-14	14,5 cm; 5 3/4"
040-406-16	16,5 cm; 6 1/2"	040-407-16	16,5 cm; 6 1/2"
040-406-18	18,5 cm; 7 1/4"	040-407-18	18,5 cm; 7 1/4"

BABY-ADSON

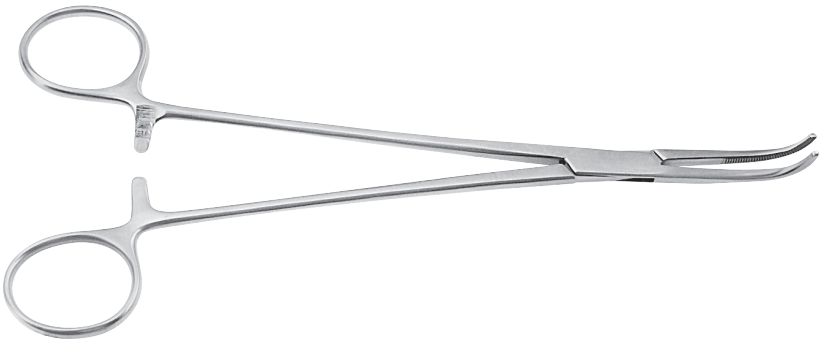


040-411-14	14,0 cm; 5 1/2"	
040-411-18	18,0 cm; 7"	

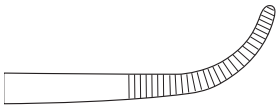
Art.Nr.	Beschreibung | *Description*	
	ADSON **18,5 cm; 7 1/4"**	
		
	1 x 2	
040-412-18	18,5 cm; 7 1/4"	
040-413-18	18,5 cm; 7 1/4"	
040-414-18	18,5 cm; 7 1/4"	
040-415-18	18,5 cm; 7 1/4"	
	FUCHSIG	
		
040-419-20	20,5 cm; 8"	

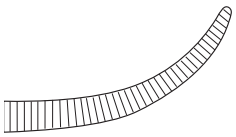
Art.Nr.	Beschreibung | *Description*	

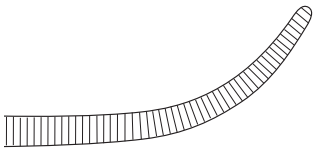
OVERHOLT-GEISSENDOERFER

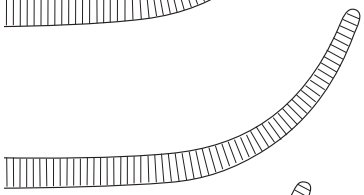


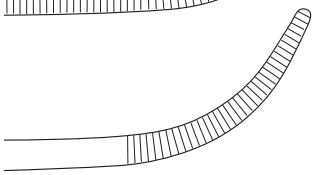
040-421-01	Fig. 1	19,5 cm; 7 3/4"
040-422-01	Fig. 1	27,0 cm; 10 3/4"
040-421-02	Fig. 2	19,0 cm; 7 1/2"
040-422-02	Fig. 2	26,0 cm; 10 1/4"
040-421-03	Fig. 3	21,0 cm; 8 1/4"
040-422-03	Fig. 3	27,0 cm; 10 3/4"
040-421-04	Fig. 4	22,0 cm; 8 3/4"
040-422-04	Fig. 4	27,5 cm; 10 3/4"
040-421-05	Fig. 5	21,5 cm; 8 1/2"
040-422-05	Fig. 5	27,0 cm; 10 3/4"
040-421-06	Fig. 6	22,0 cm; 8 3/4"
040-422-06	Fig. 6	28,0 cm; 11"
040-421-07	Fig. 7	22,0 cm; 8 3/4"
040-422-07	Fig. 7	28,0 cm; 11"

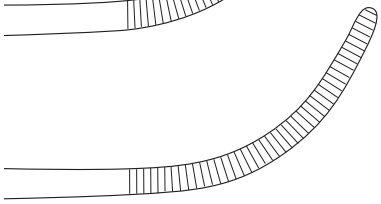


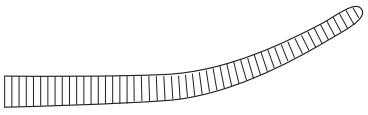






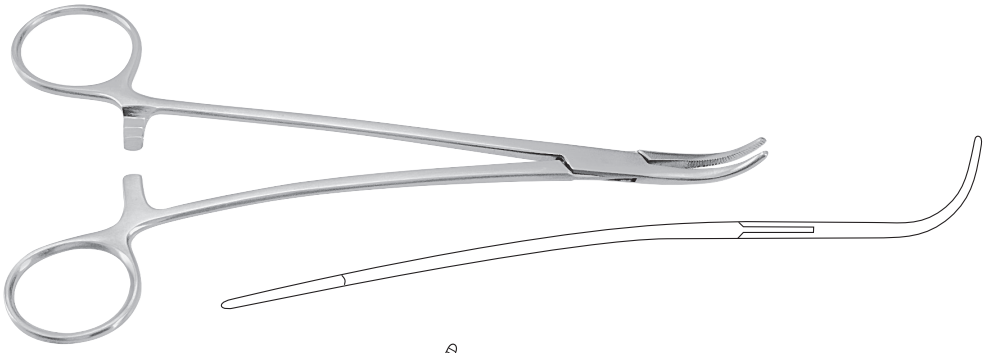


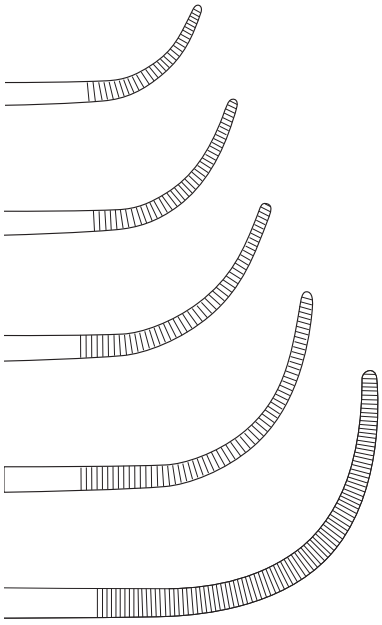




Art.Nr.	Beschreibung | *Description*

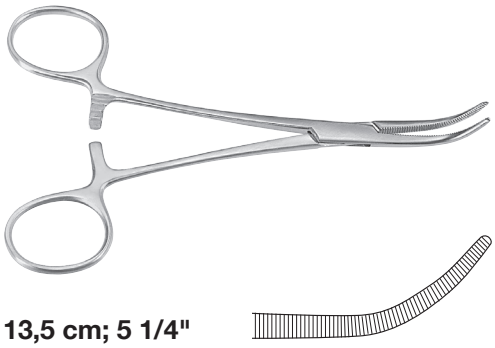
OVERHOLT





040-423-01	18,5 cm; 7 1/4"
040-423-02	20,5 cm; 8"
040-423-03	21,0 cm; 8 1/4"
040-423-04	21,5 cm; 8 1/2"
040-423-05	24,0 cm; 9 1/2"

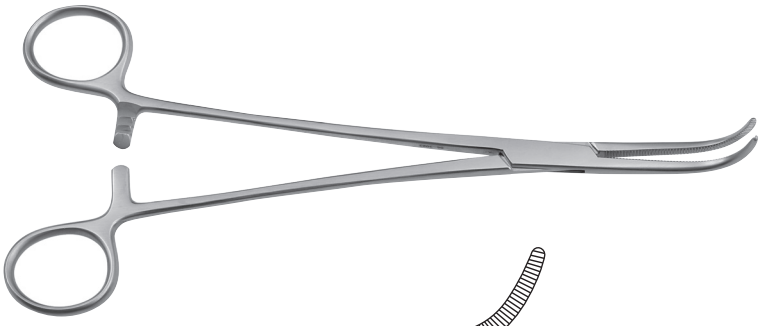
OVERHOLT-BABY

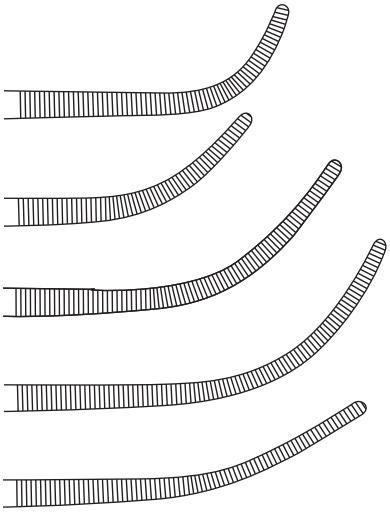


040-424-14	13,5 cm; 5 1/4"

Art.Nr.	Beschreibung | *Description*

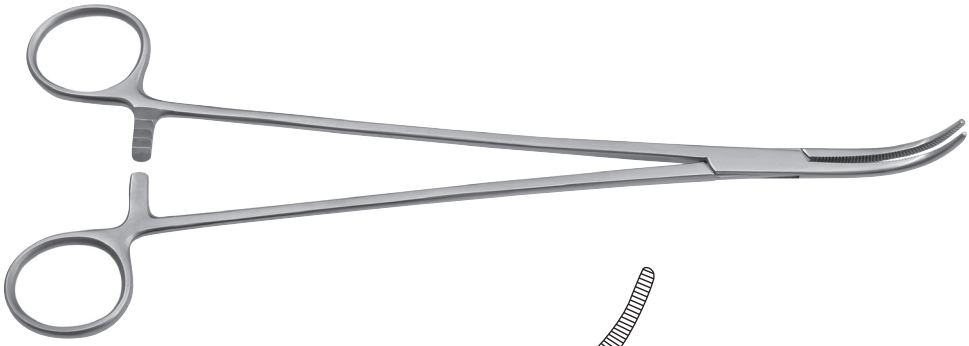
OVERHOLT-FINO

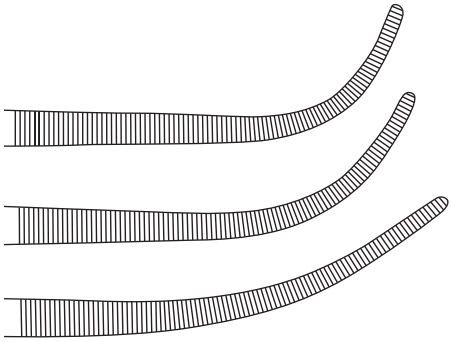




040-426-00	21,5 cm; 8 1/2"
040-426-01	21,0 cm; 8 1/4"
040-426-02	22,0 cm; 8 3/4"
040-426-03	23,0 cm; 9"
040-426-06	22,5 cm; 9"

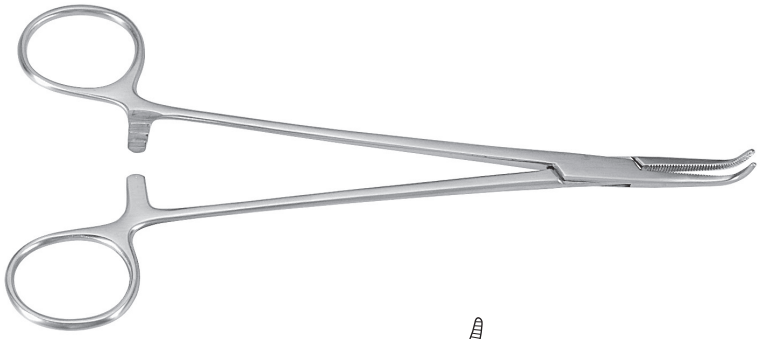
OVERHOLT





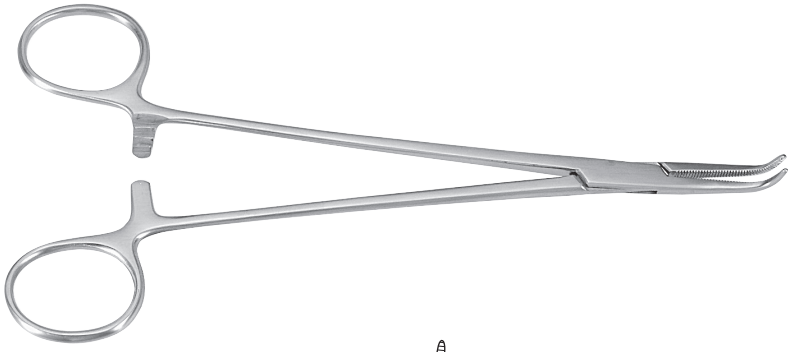
040-427-00	29,5 cm; 11 1/2"
040-427-01	29,5 cm; 11 1/2"
040-427-03	30,0 cm; 11 3/4"

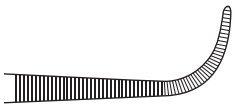
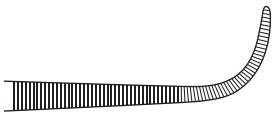
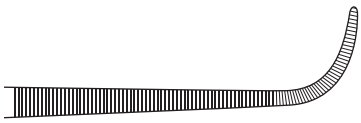
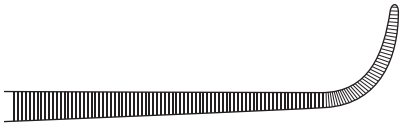
Art.Nr.	Beschreibung | *Description*
	MINI-GEMINI



040-429-18	**18,0 cm; 7"**	
040-429-22	**22,0 cm; 8 3/4"**	
040-429-25	**25,0 cm; 9 3/4"**	
040-429-28	**28,0 cm; 11"**	

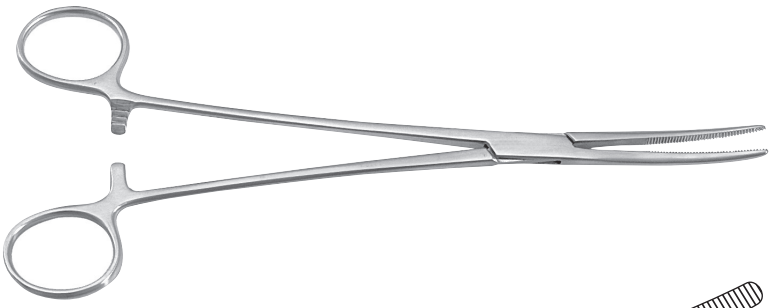
Art.Nr.	Beschreibung | *Description*
	GEMINI

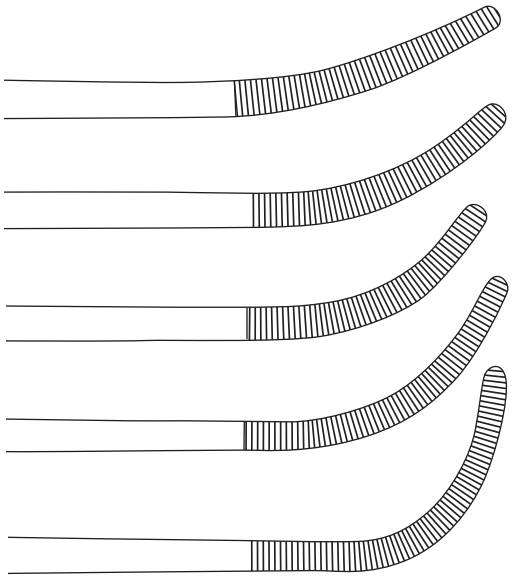


040-431-14	14,0 cm; 5 1/2"	
040-431-16	16,0 cm; 6 1/4"	
040-431-18	18,0 cm; 7"	
040-431-20	20,0 cm; 8"	
040-431-23	23,0 cm; 9"	
040-431-25	25,0 cm; 9 3/4"	
040-431-28	28,0 cm; 11"	

Art.Nr.	Beschreibung | *Description*

RUMEL

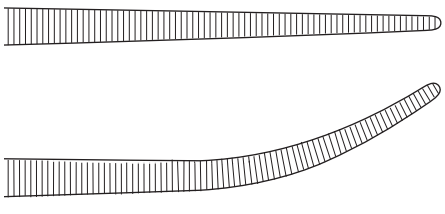




040-441-01	23,0 cm; 9"
040-441-02	23,0 cm; 9"
040-441-03	23,0 cm; 9"
040-441-04	23,0 cm; 9"
040-441-05	23,0 cm; 9"

ROBERTS



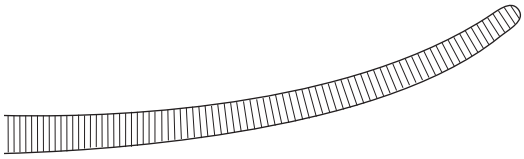


040-448-22	22,0 cm; 8 3/4"
040-449-22	22,0 cm; 8 3/4"

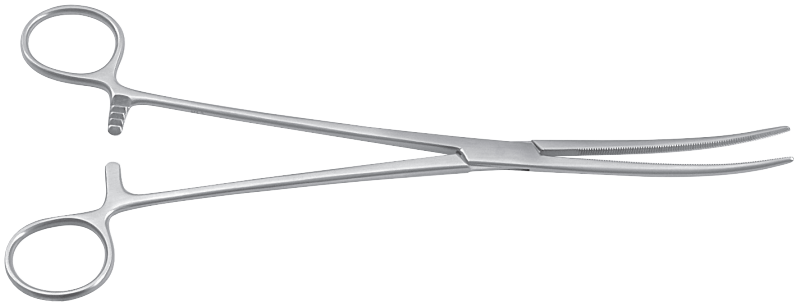
Art.Nr.	Beschreibung | *Description*

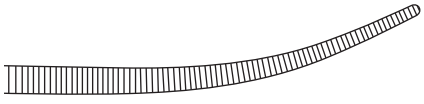
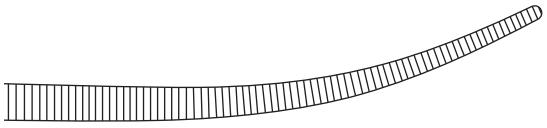
SAROT



040-450-24	24,0 cm; 9 1/2"	
040-451-24	24,0 cm; 9 1/2"	

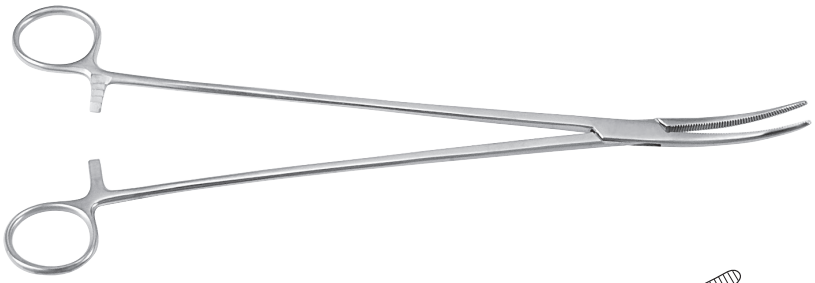
CRAFOORD

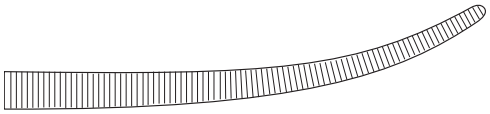


040-453-18	18,0 cm; 7"	
040-453-24	24,0 cm; 9 1/2"	

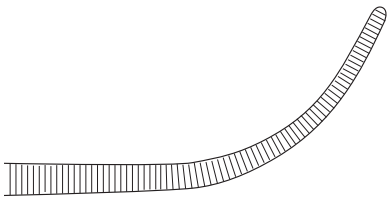
Art.Nr.	Beschreibung | *Description*

ZENKER





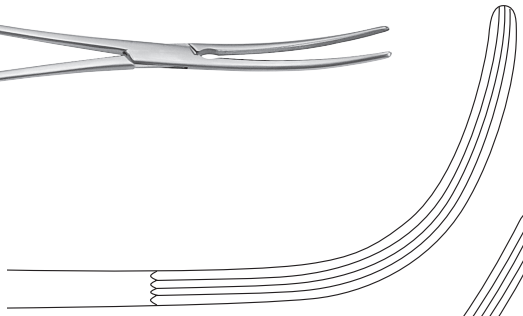
040-455-01 **29,5 cm; 11 1/2"**



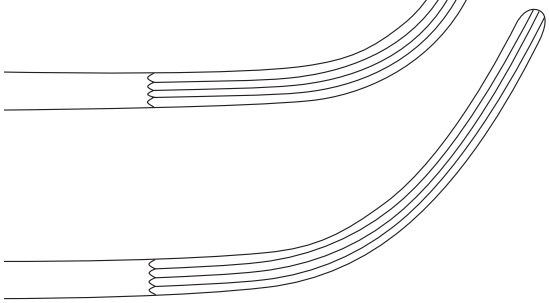
040-455-02 **29,5 cm; 11 1/2"**

CRAFOORD-SELLORS





040-456-22 **22,0 cm; 8 3/4"**



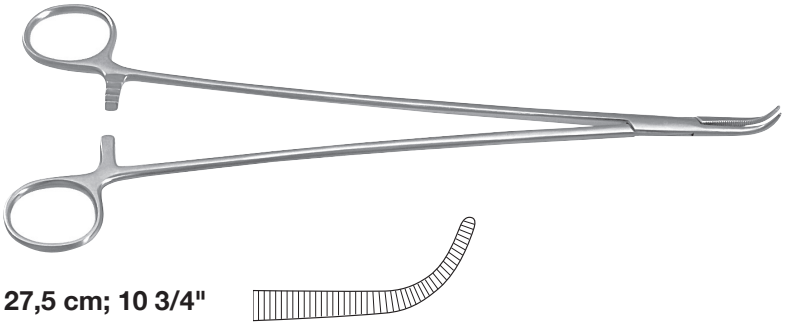
040-456-23 **23,0 cm; 9"**



040-456-24 **24,0 cm; 9 1/2"**

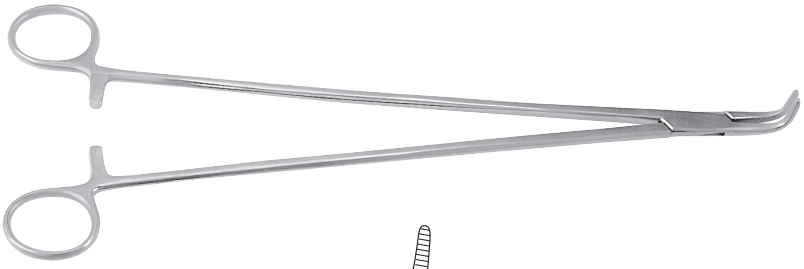
Art.Nr.	Beschreibung | *Description*

LAWRENCE



040-457-28	27,5 cm; 10 3/4"

MEEKER

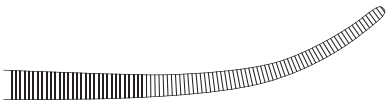
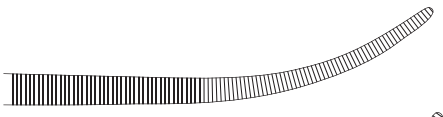
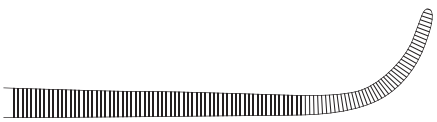


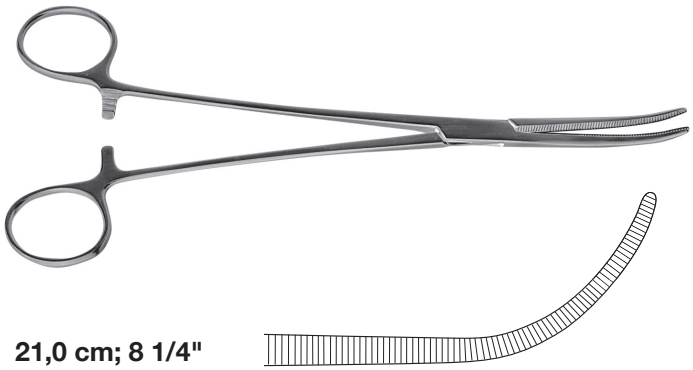
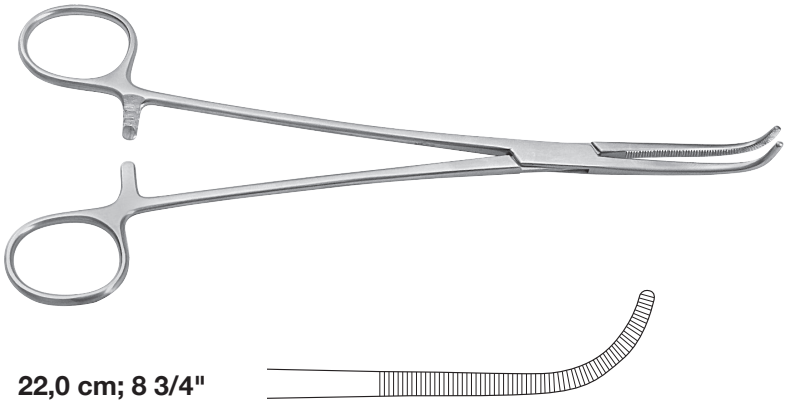
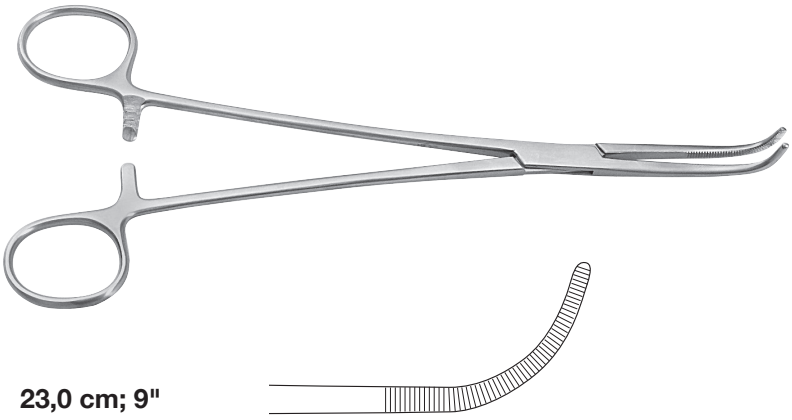
040-459-18	18,0 cm; 7"
040-459-28	27,5 cm; 10 3/4"

MIXTER



040-461-15	15,5 cm; 6 1/8"
040-461-19	18,0 cm; 7"

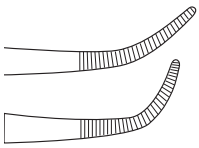
Art.Nr.	Beschreibung | *Description*		
	KELLY		
			
040-463-19	Fig. 1	19,0 cm; 7 1/2"	
040-465-19	Fig. 2	19,0 cm; 7 1/2"	
040-467-19	Fig. 3	19,0 cm; 7 1/2"	
040-463-22	Fig. 1	22,0 cm; 8 3/4"	
040-465-22	Fig. 2	22,0 cm; 8 3/4"	
040-467-22	Fig. 3	22,0 cm; 8 3/4"	
040-463-24	Fig. 1	24,0 cm; 9 1/2"	
040-465-24	Fig. 2	24,0 cm; 9 1/2"	
040-467-24	Fig. 3	24,0 cm; 9 1/2"	

Art.Nr.	Beschreibung | *Description*
	OVERHOLT-MIXTER
	
040-471-21	21,0 cm; 8 1/4"
	MIXTER
	
040-473-22	22,0 cm; 8 3/4"
	MIXTER
	
040-473-23	23,0 cm; 9"

Art.Nr.	Beschreibung | *Description*

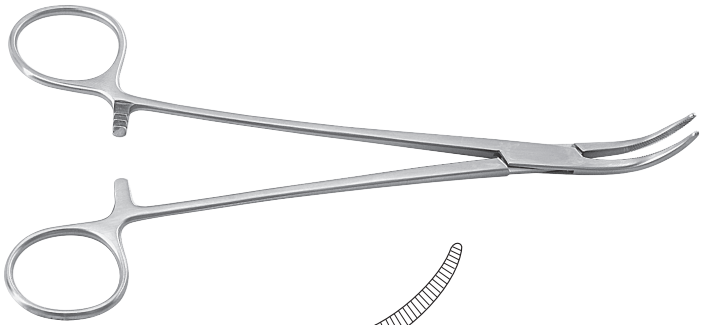
BABY-MIXTER 14,0 cm; 5 1/2"

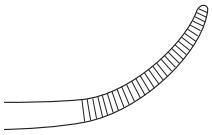




040-475-01	14,0 cm; 5 1/2"
040-475-02	14,0 cm; 5 1/2"

BABY-MIXTER

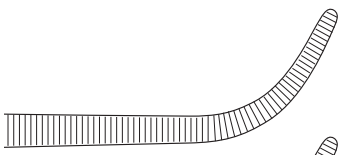


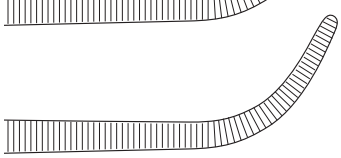


040-475-18	18,0 cm; 7"

MIXTER-O'SHAUGNESSY



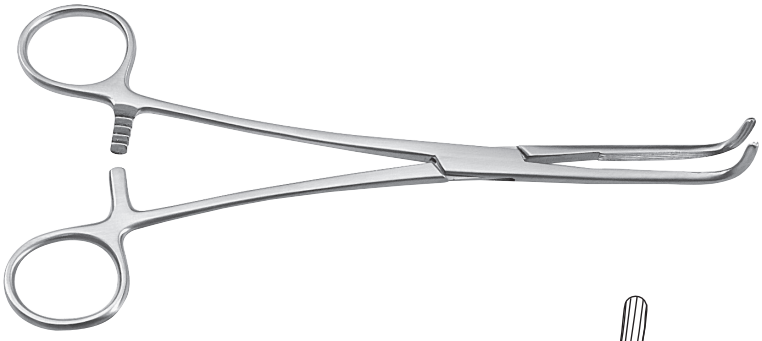


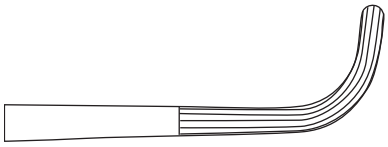


040-477-15	15,5 cm; 6 1/8"
040-477-19	19,0 cm; 7 1/2"

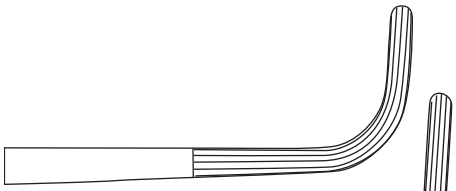
Art.Nr.	Beschreibung | *Description*

MIXTER

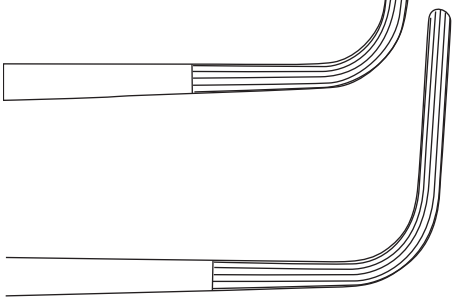




040-479-22 22,0 cm; 8 3/4"



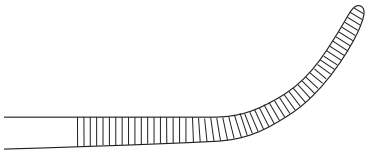
040-479-25 25,0 cm; 9 3/4"



040-479-28 28,0 cm; 11"

JOHNS HOPKINS

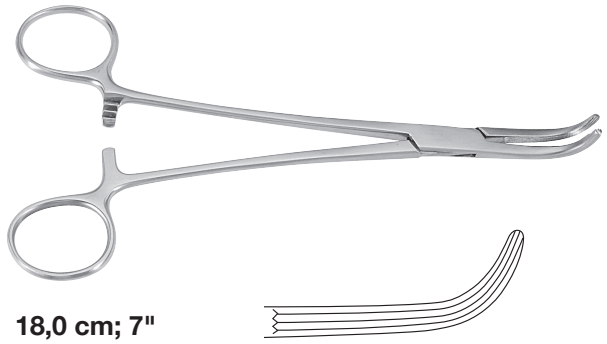




040-497-20 20,0 cm; 8"

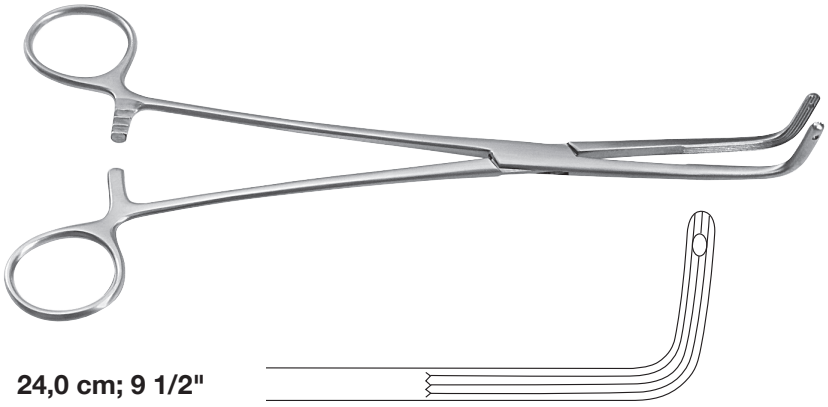
Art.Nr.	Beschreibung | *Description*

LOWER



040-503-18 **18,0 cm; 7"**

FINOCHIETTO



040-505-24 **24,0 cm; 9 1/2"**

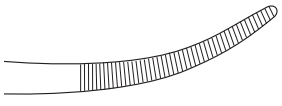
BIRKETT



040-540-19 **19,0 cm; 7 1/2"**

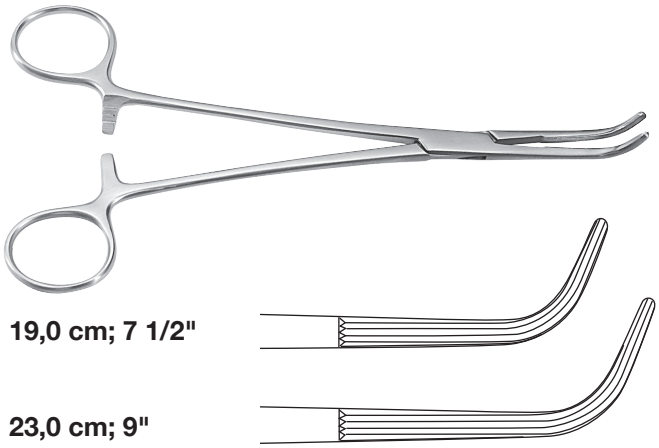


040-541-19 **19,0 cm; 7 1/2"**

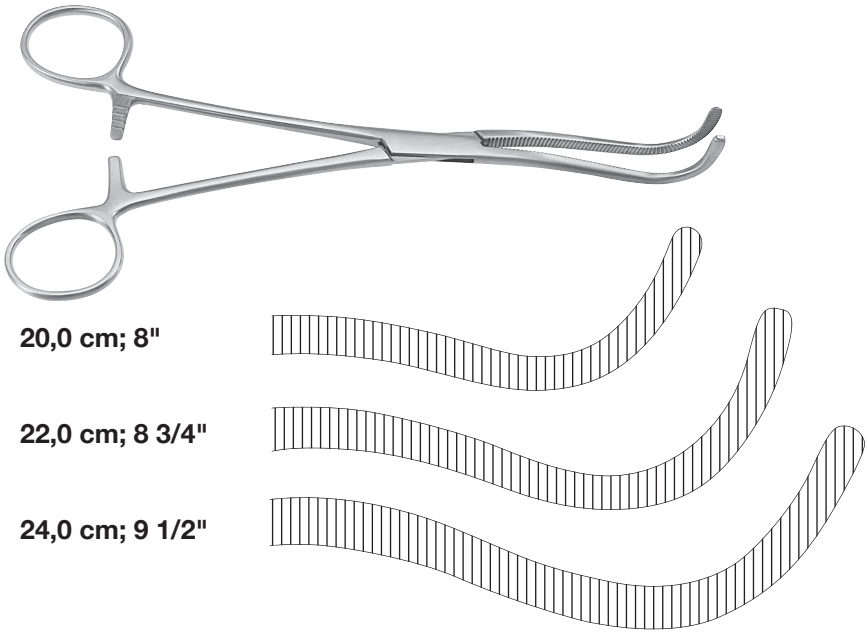


Nierenstielklemmen; Gallenkanalklemmen
Kidney Pedicle Clamps; Bile Duct Clamps
Pinzas para pedículo renal; Pinzas para conducto biliar
Pinces pour pédicules rénaux; Pinces pour les voies biliaires
Pinze per peduncoli renali; Pinze per vie biliari

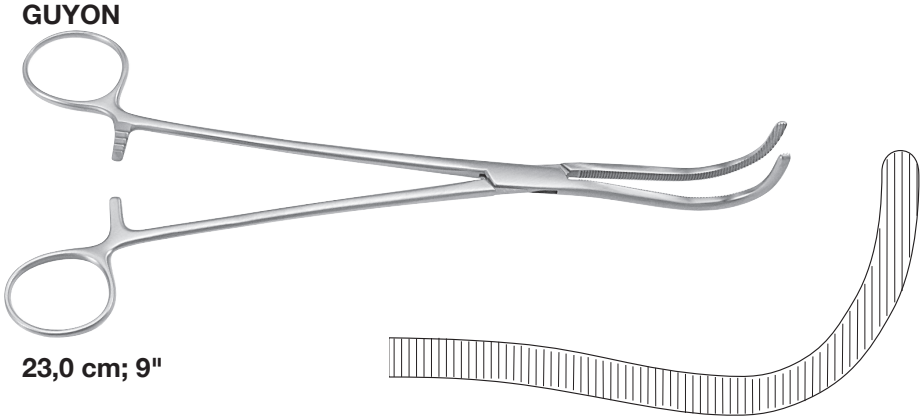
Art.Nr.	Beschreibung | *Description*
	LAHEY
040-501-19	19,0 cm; 7 1/2"
040-501-23	23,0 cm; 9"



	GUYON
040-509-20	20,0 cm; 8"
040-509-22	22,0 cm; 8 3/4"
040-509-24	24,0 cm; 9 1/2"

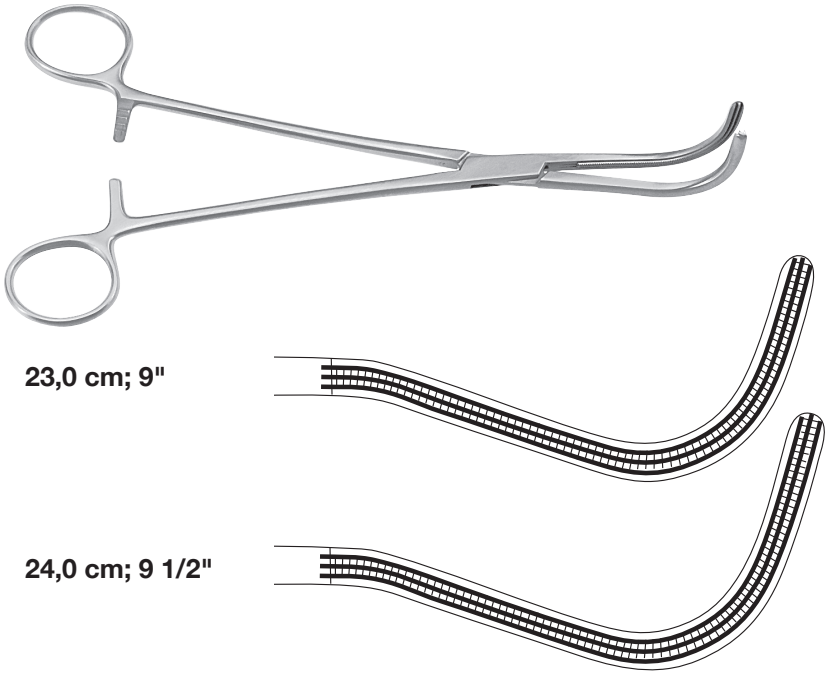


	GUYON
040-513-23	23,0 cm; 9"



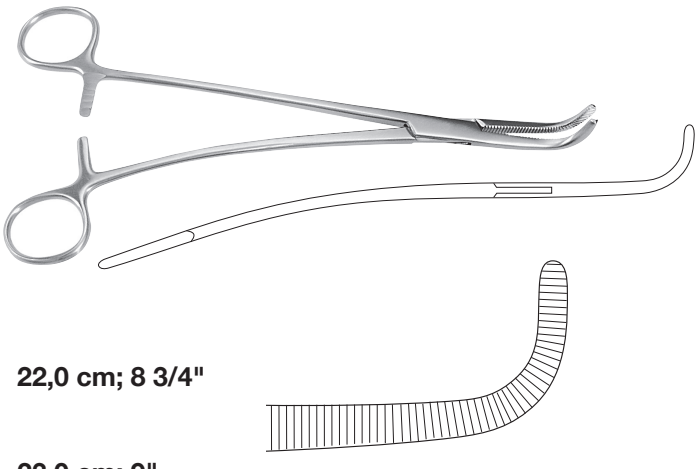
Nierenstielklemmen; Gallenkanalklemmen
Kidney Pedicle Clamps; Bile Duct Clamps
Pinzas para pedículo renal; Pinzas para conducto biliar
Pinces pour pédicules rénaux; Pinces pour les voies biliaires
Pinze per peduncoli renali; Pinze per vie biliari

Art.Nr.	Beschreibung | *Description*
	GUYON

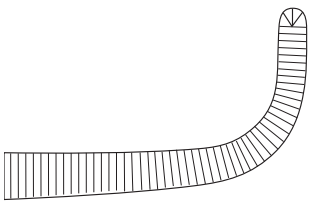


040-519-23	**23,0 cm; 9"**
040-519-24	**24,0 cm; 9 1/2"**

	GRAY

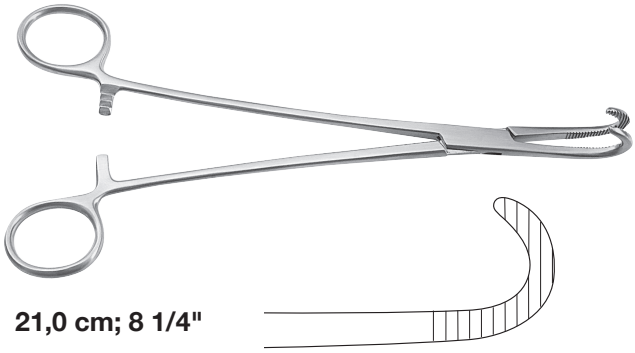
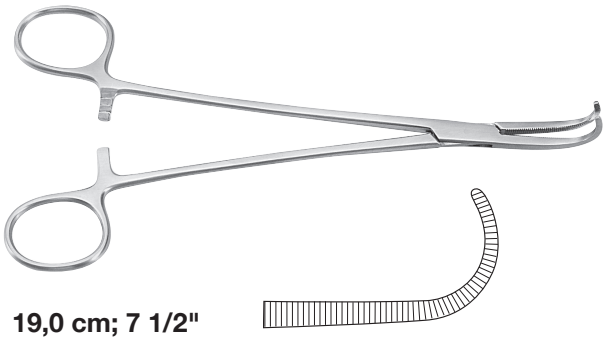
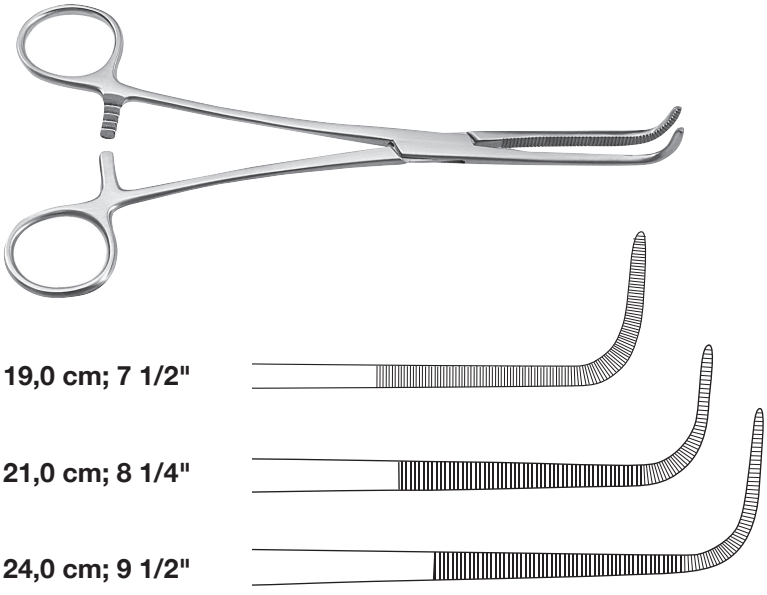


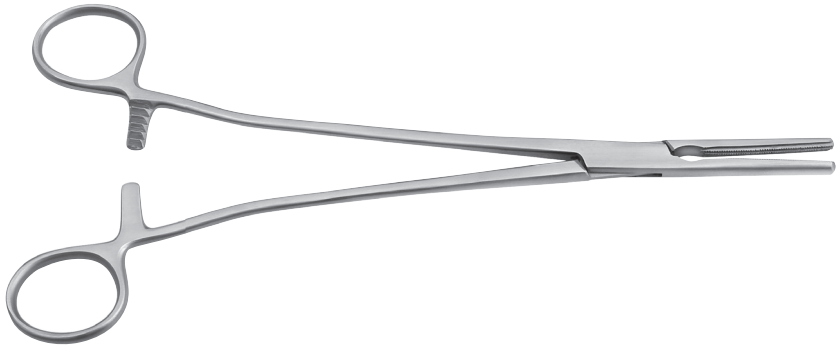
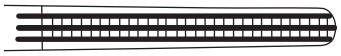
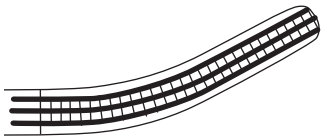
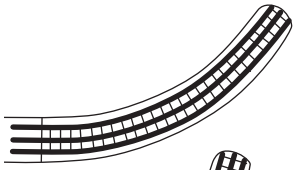
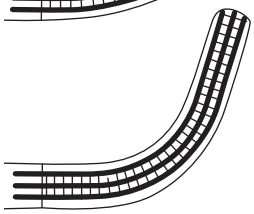
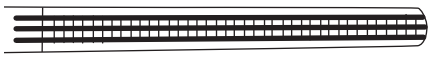
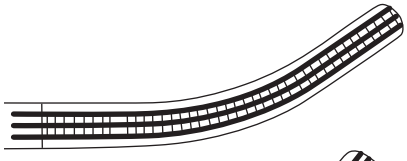
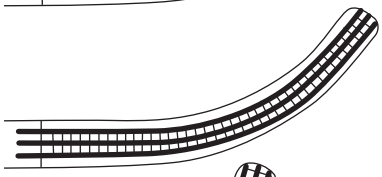
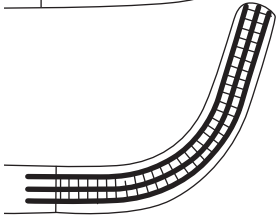
040-523-22	**22,0 cm; 8 3/4"**
040-523-23	**23,0 cm; 9"**
	1 x 2



040-525-22	**22,0 cm; 8 3/4"**
040-525-23	**23,0 cm; 9"**

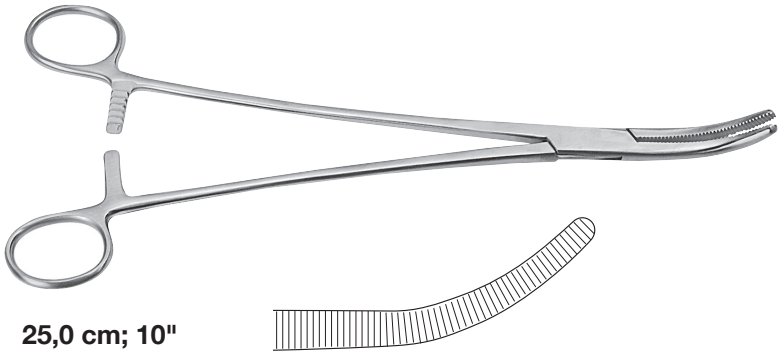
Gallenkanalklemmen; Präparierklemmen
Bile Duct Clamps; Dissecting and Ligature Forceps
Pinzas para conducto biliar; Pinzas para preparación y ligadura
Pinces pour les voies biliaires; Pinces à disséquer et à ligatures
Pinze per vie biliari; Pinze per preparazioni e legature

Art.Nr.	Beschreibung | *Description*
	DESJARDINS
	
040-529-21	21,0 cm; 8 1/4"
	NEGUS
	
040-533-01	19,0 cm; 7 1/2"
040-533-02	19,0 cm; 7 1/2"
	WIKSTROEM
	
040-543-19	19,0 cm; 7 1/2"
040-543-21	21,0 cm; 8 1/4"
040-543-24	24,0 cm; 9 1/2"

Art.Nr.	Beschreibung | *Description*		
	ROGERS		
			
040-580-21	Fig. 1	21,5 cm; 8 1/2"	
040-581-21	Fig. 2	21,0 cm; 8 1/4"	
040-583-21	Fig. 3	20,5 cm; 8"	
040-585-21	Fig. 4	20,0 cm; 8"	
040-580-24	Fig. 1	25,5 cm; 10"	
040-581-24	Fig. 2	25,0 cm; 9 3/4"	
040-583-24	Fig. 3	24,5 cm; 8 2/3"	
040-585-24	Fig. 4	24,0 cm; 9,4"	

Art.Nr.	Beschreibung | *Description*

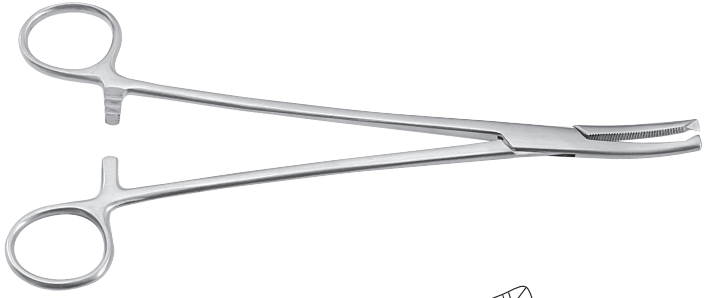
WERTHEIM



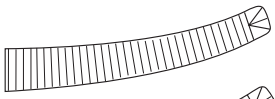
040-602-25 25,0 cm; 10"

1 x 2

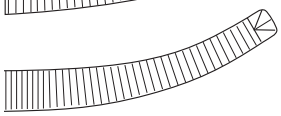
WERTHEIM



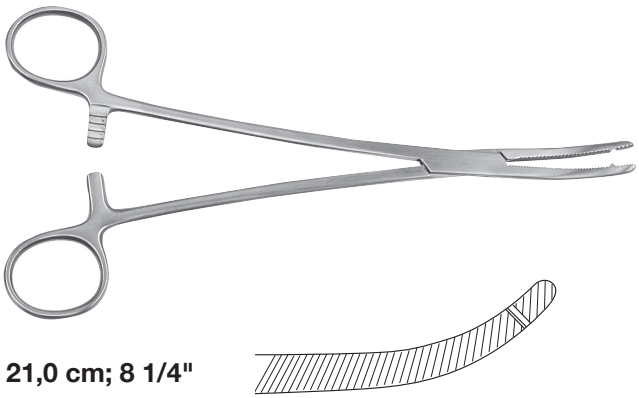
040-603-23 23,0 cm; 9"



040-605-23 23,0 cm; 9"



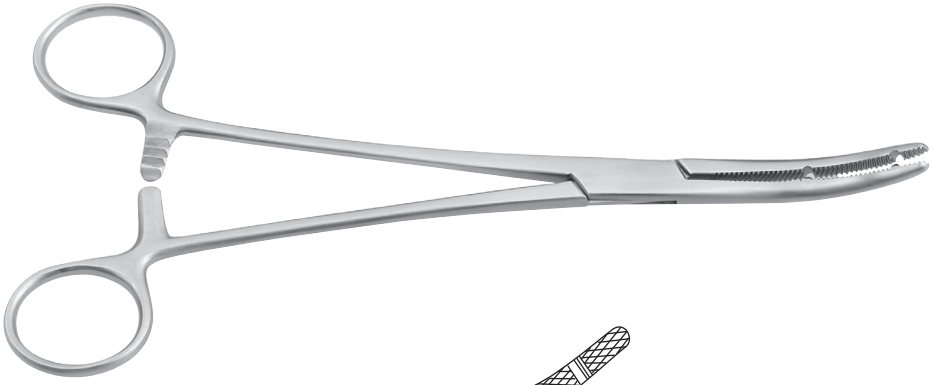
HEANEY
leichtes Modell | light jaws | modelo ligero | modèle fin | modello leggero

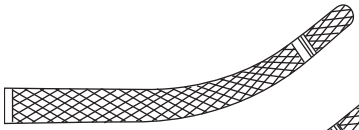
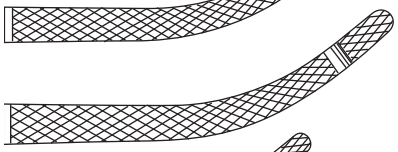
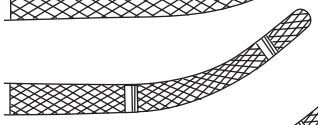
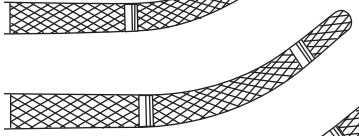
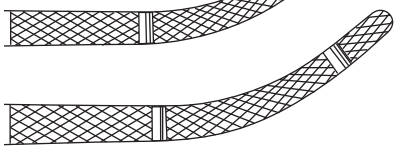


040-607-21 21,0 cm; 8 1/4"

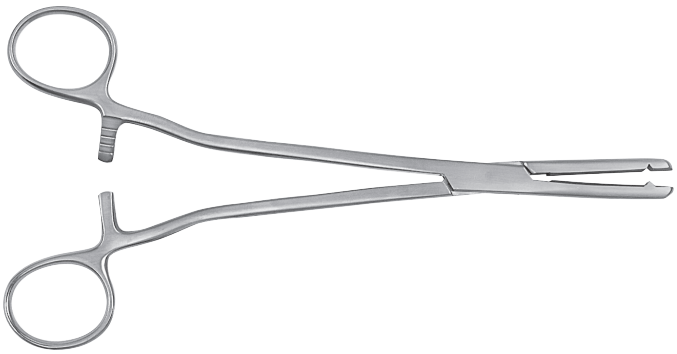
Art.Nr.	Beschreibung | *Description*

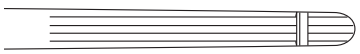
HEANEY



040-611-21	21,0 cm; 8 1/4"	
040-611-23	23,0 cm; 9"	
040-613-19	19,5 cm; 7 3/4"	
040-613-21	21,0 cm; 8 1/4"	
040-613-23	23,0 cm; 9"	

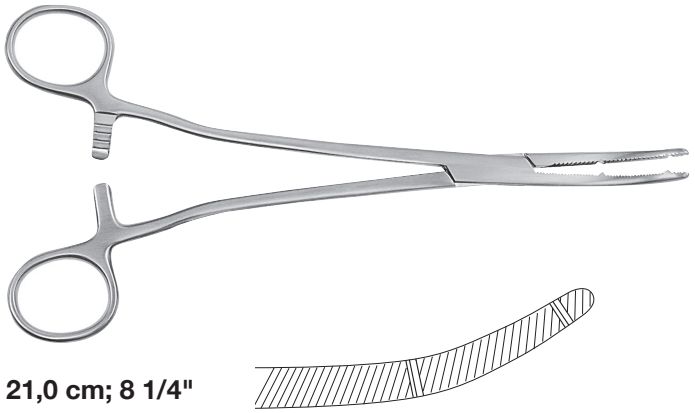
HEANEY-BALLENTINE



040-614-21	21,0 cm; 8 1/4"	
040-615-21	21,0 cm; 8 1/4"	

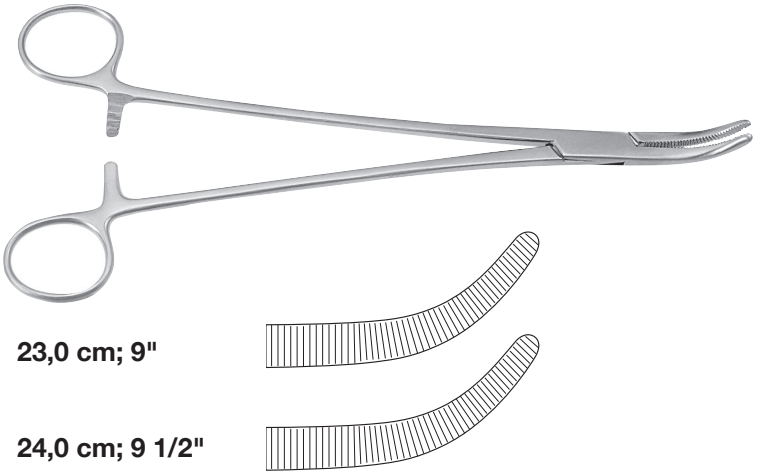
Art.Nr.	Beschreibung | *Description*

HEANEY-KANTER



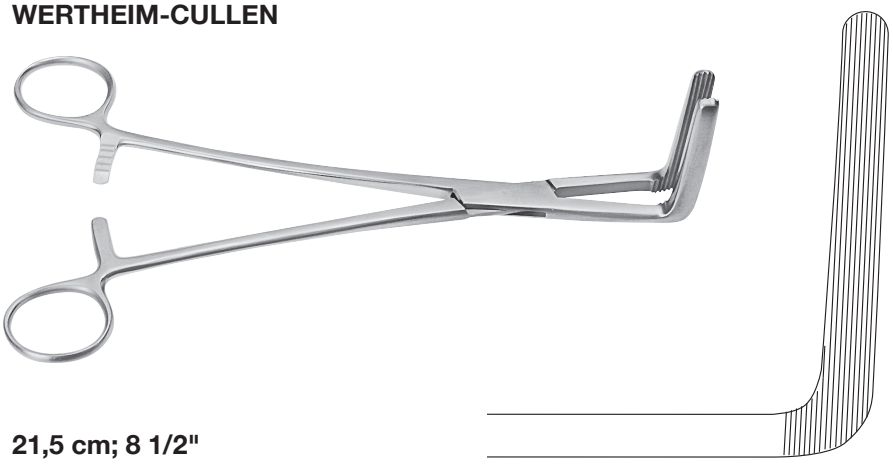
040-617-21	21,0 cm; 8 1/4"

MOYNIHAN



040-625-23	23,0 cm; 9"
040-627-24	24,0 cm; 9 1/2"

WERTHEIM-CULLEN



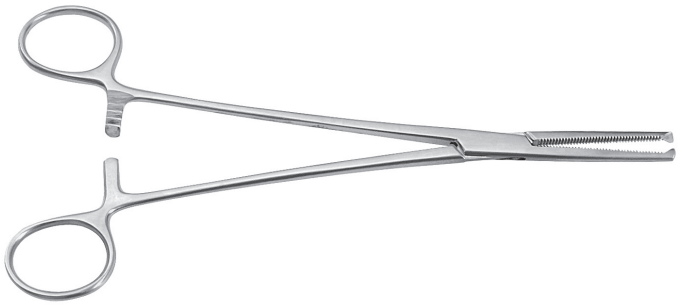
040-629-21	21,5 cm; 8 1/2"

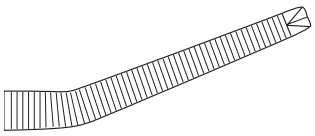
Hysterektomieklemmen; Organfasszangen
Hysterectomy Forceps; Organ Grasping Forceps
Pinzas para histerectomía; Pinzas para sacar órganos
Pinces à hystérectomie; Pinces pour saisir organes
Pinze per isterectomia; Pinze per afferrare organi

Art.Nr.	Beschreibung | *Description*

PHANEUF

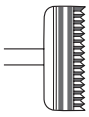
1 x 2



040-630-21	21,5 cm; 8 1/2"	
040-631-21	21,5 cm; 8 1/2"	

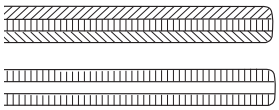
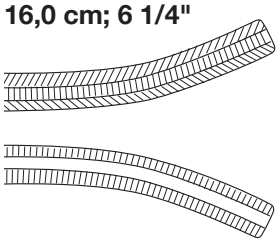
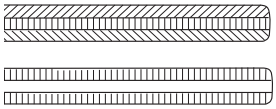
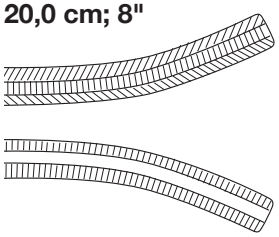
PRATT





040-656-15	15,0 cm; 6"

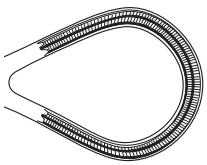
Arterienklemmen; Organfasszangen
Haemostatic Forceps; Organ Grasping Forceps
Pinzas hemostáticas; Pinzas para sacar órganos
Pinces hémostatiques; Pinces pour saisir organes
Pinze emostatiche; Pinze per afferrare organi

Art.Nr.	Beschreibung | *Description*	
	FERGUSSON	
		
040-650-16	**16,0 cm; 6 1/4"**	**040-651-16** **16,0 cm; 6 1/4"**
		
040-650-20	**20,0 cm; 8"**	**040-651-20** **20,0 cm; 8"**
		

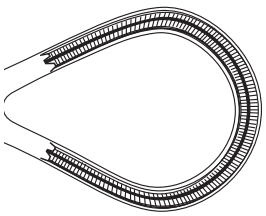
ATRAUMA



040-658-25 **25,0 cm; 9 3/4"**

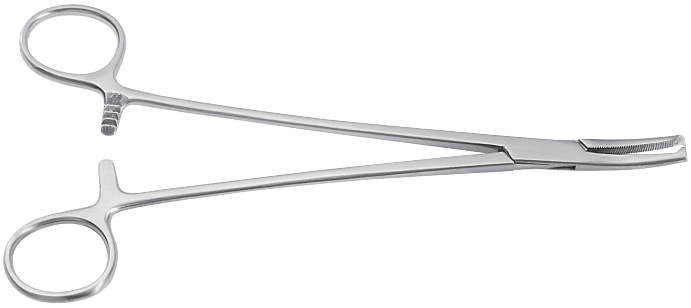
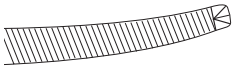
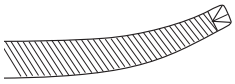


040-658-27 **27,0 cm; 10 3/4"**



Art.Nr.	Beschreibung | *Description*	
	BABY-MIKULICZ	1 x 2
040-701-14	14,0 cm; 5 1/2"	
	MIKULICZ	1 x 2
040-703-18	18,0 cm; 7"	
	MIKULICZ	1 x 2
040-709-20	20,0 cm; 8"	

Peritoneumklemmen
Peritoneum Forceps
Pinzas para peritoneo
Pince pour le péritoine
Pinze per peritoneo

Art.Nr.	Beschreibung | *Description*	
		1 x 2
	FAURE	
		
040-721-20	**20,0 cm; 8"**	
040-723-20	**20,0 cm; 8"**	

TONTARRA

OPEN SURGERY



Nadelhalter

Needle Holders

Porta-agujas

Porte-aiguilles

Portaghi

050

Art.Nr.	Beschreibung | *Description*
	DERF
	
050-010-12	**12,0 cm; 4 3/4"** 
	DERF-CONVERSE
	längsgerieft | longitudinal serrated
	estriado longitudinal | striée longitudinal | zigrinatura longitudinale
050-020-12	**12,5 cm;5"** 
	COLLIER
	
050-022-12	**12,5 cm; 5"** 
	WEBSTER
	
050-028-13	**13,0 cm; 5 1/8"** 

Art.Nr.	Beschreibung | *Description*

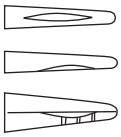
HALSEY



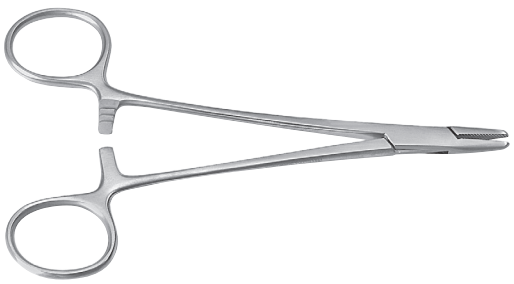
050-030-13	13,0 cm; 5 1/8"	
050-040-13	13,0 cm; 5 1/8"	

NEIVERT



050-046-13	13,0 cm; 5 1/8"	

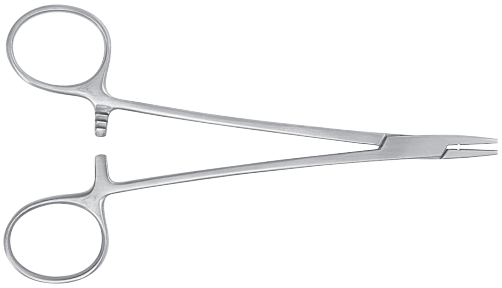
HEGAR-BAUMGARTNER



050-048-14	14,0 cm; 5 1/2"	

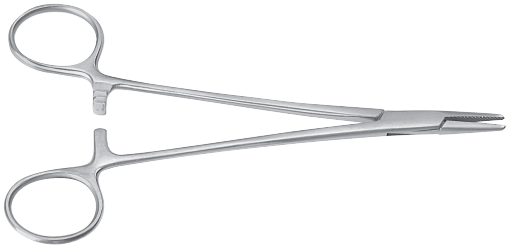
Art.Nr.	Beschreibung | *Description*

CRILE-WOOD



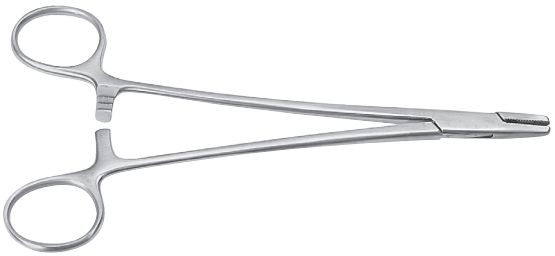
050-060-15	15,0 cm; 6"	
050-060-18	18,0 cm; 7"	

CRILE-MURRAY

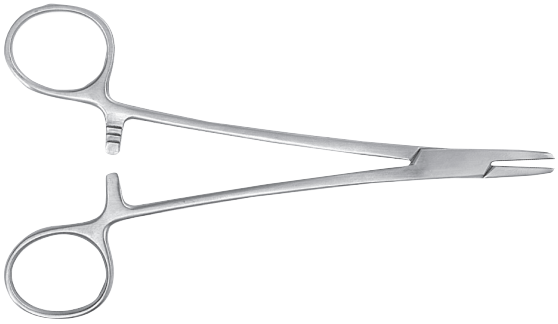
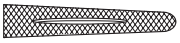
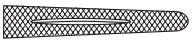


050-070-15	15,0 cm; 6"	

M.G. HOSPITAL

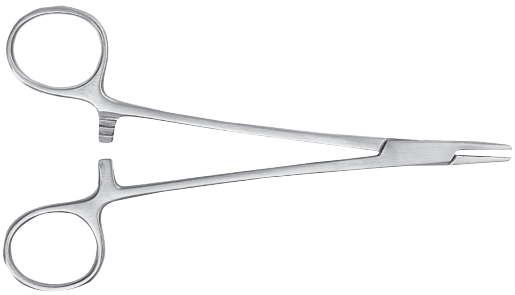


050-072-17	17,0 cm; 6 3/4"	

Art.Nr.	Beschreibung | *Description*	
	MAYO-HEGAR	
		
050-080-14	14,0 cm; 5 1/2 "	
050-080-16	16,0 cm; 6 1/4"	
050-080-18	18,0 cm; 7"	
050-080-20	20,0 cm; 8"	
050-080-24	24,0 cm; 9 1/2"	
050-080-26	26,0 cm; 10 1/4"	
050-080-30	30,0 cm; 12"	

MAYO-HEGAR

schmal | **narrow** | estrecha | etróite | stretta



050-090-16	16,0 cm; 6 1/4"	
050-090-18	18,0 cm; 7"	
050-090-20	20,0 cm; 8"	

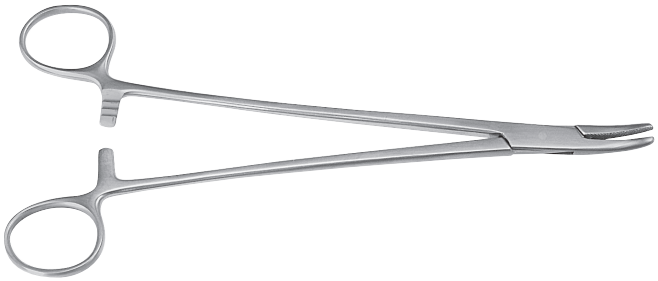
Art.Nr.	Beschreibung | *Description*

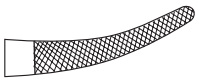
BROWN **diagonal gerieft | diagonally serrated**
estriado transversalmente | strié diagonal | zigrinatura diagonale



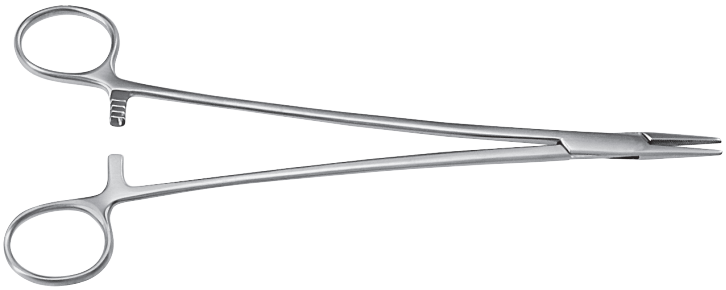
050-096-13	13,0 cm; 5 1/8"	
050-096-18	18,0 cm; 7"	

HEANEY



050-141-21	21,0 cm; 8 1/4"	

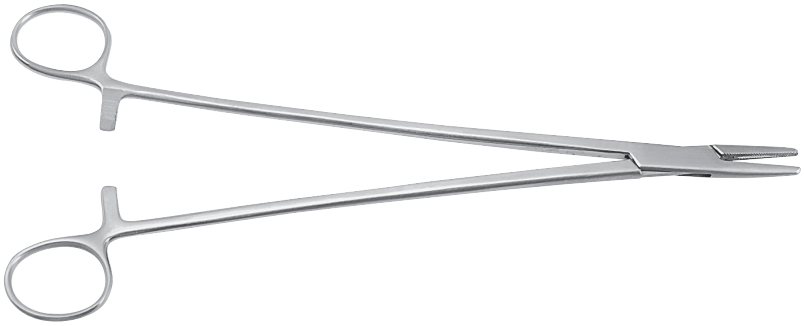
JAMISON



050-148-23	23,5 cm; 9 1/4"	

Art.Nr.	Beschreibung | *Description*

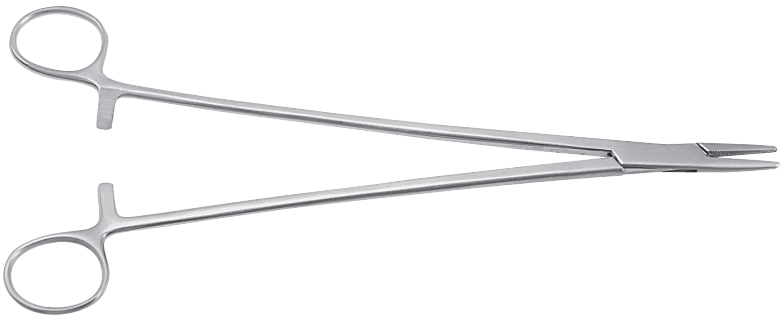
MASSON



050-150-27 **27,0 cm; 10 3/4"**



WANGENSTEEN



050-160-27 **27,0 cm; 10 3/4"**

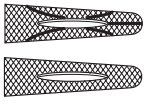


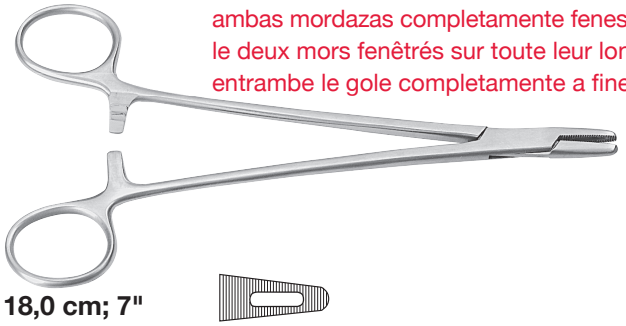
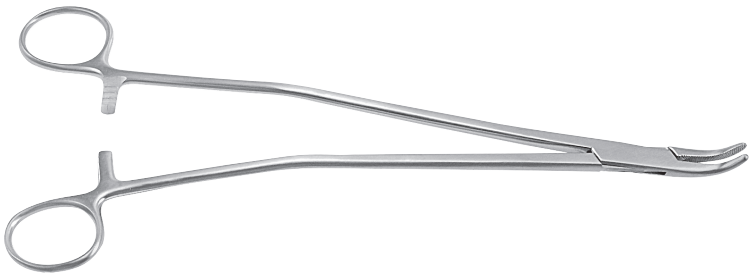
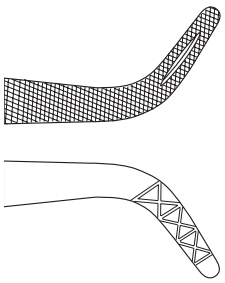
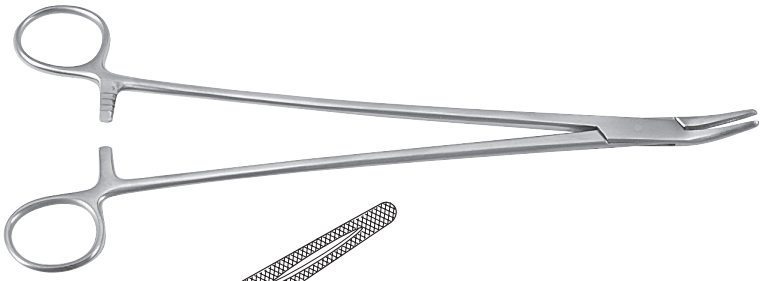
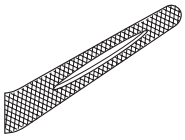
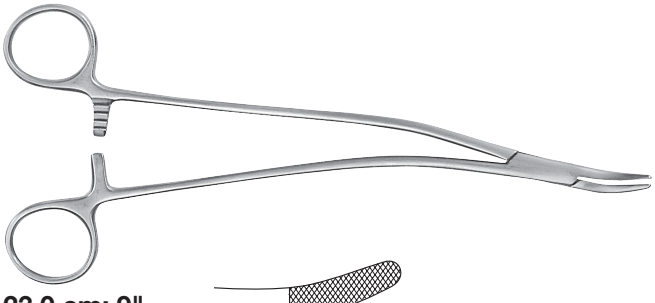
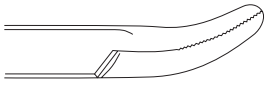
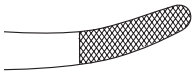
METZENBAUM

ein Maulteil gekehlt und gefenstert
one grooved and fenestrated jaw
un lado de la boca acanalado y fenestrado
un côte de mors strié et fenêtré
una parte del morso scannellata e finestrata



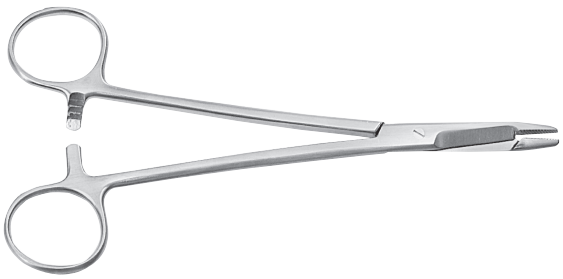
050-190-18 **18,0 cm; 7"**

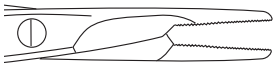
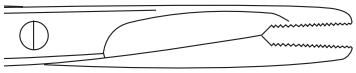
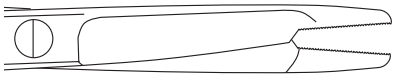


Art.Nr.	Beschreibung | *Description*	
	ADSON	**beide Maulteile durchgehend gefenstert** **both jaws fenestrated throughout** ambas mordazas completamente fenestradas le deux mors fenêtrés sur toute leur longueur entrambe le gole completamente a finestrate
		
050-192-18	**18,0 cm; 7"**	
	JOHNSON	
		
050-193-27	**27,0 cm; 10 3/4"**	
	FINOCCHIETTO	
		
050-211-27	**27,0 cm; 10 3/4"**	
	STRATTE	
		
050-230-23	**23,0 cm; 9"**	

Art.Nr.	Beschreibung | *Description*

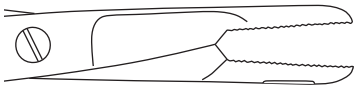
OLSEN-HEGAR

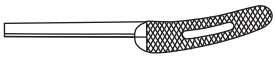


050-310-14	**14,0 cm; 5 1/2"**	
050-310-17	**17,0 cm; 6 3/4"**	
050-310-19	**19,0 cm; 7 1/2"**	

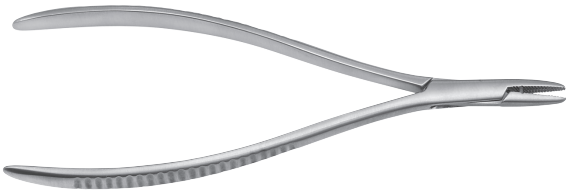
GILLIES





050-330-16	**16,0 cm; 6 1/4"**	

CRILE



050-338-15	**15,0 cm; 6"**	

Art.Nr.	Beschreibung | *Description*

MATHIEU



050-350-14	14,0 cm; 5 1/2"	
050-350-17	17,0 cm; 6 3/4"	
050-350-20	20,0 cm; 8"	

MATHIEU schmal | narrow | estrecha | etróite | stretta



050-354-14	14,0 cm; 5 1/2"	
050-354-17	17,0 cm; 6 3/4"	

MATHIEU



050-356-17	17,0 cm; 6 3/4"	
050-356-20	20,0 cm; 8"	

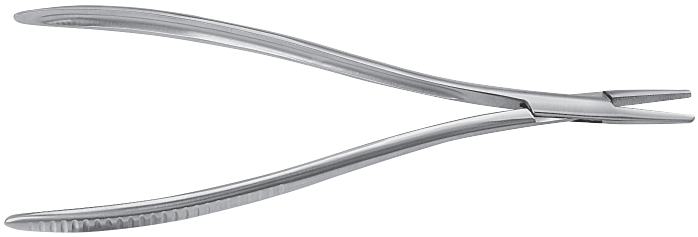
Art.Nr.	Beschreibung | *Description*

MATHIEU-KOCHER



050-358-14	14,0 cm; 5 1/2"	
050-358-17	17,0 cm; 6 3/4"	
050-358-20	20,0 cm; 8"	

TOENNIS



050-362-18	18,0 cm; 7"	

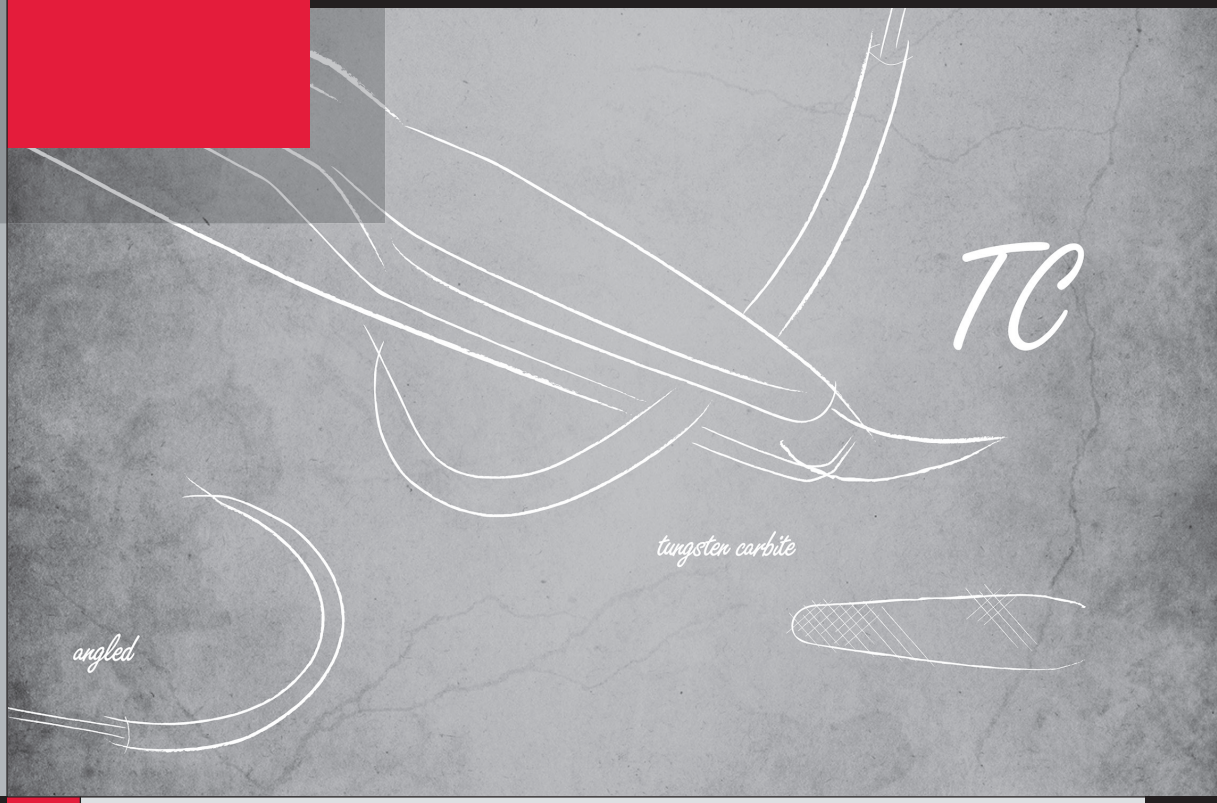
LICHTENBERG



050-366-20	20,0 cm; 8"	

TONTARRA

OPEN SURGERY



TC Nadelhalter

TC Needle Holders

TC Porta-agujas

TC Porte-aiguilles

TC Portaghi

051

Nadelhalter mit Hartmetalleinlagen
Needle Holders with tungsten carbide inserts
Porta-agujas con insertos de carburo tungsteno
Porte-aiguilles avec inserts en carbure de tungstène
Portaghi con morsi in carburo tungsteno



leichtgängige Sperre ermöglicht eine sichere Arbeitsweise.
soft working catch provides safe handling.
la cremallera suave facilita un manejo seguro.
un blocage souple permet en travailler de manière sûre.
la cremagliera leggero e preciso, permette un uso sicuro.

vergoldete Griffe als leichte Kennzeichnung.
gold-plated handles for easy identification.
mangos dorados permite una identificación fácil.
les branches plaquées d'or pour l'identification facile.
l'impugnatura dorata permette una facile identificazione.

gebrochene Kanten verhindern ein Verfangen des Nahtmaterials.
bevelled edges to prevent catching of suture material.
bordes quebrados evitan que se enreda el material de sutura.
les bords brisés empêchent que le matériel de suture s'embrouille.
i bordi squadrati evitano che si impigliano i fili di sutura.

Hartmetalleinlagen mit präzise gearbeitetem Pyramidenprofil garantieren einen sicheren Halt der Nadel.
Tungsten carbide inserts with precisely worked out structure guarantee to grip the needle securely.
Insertos de carburo tungsteno con pérfil piramidial preciso y amolado que garantizan una sujeción segura de la aguja.
Les inserts en carbure de tungstène avec structure pyramidale cre'es avec précision garantissent une fixation sûre de l'aguille.
Inserti in carburo di tungsteno garantiscono una perfetta tenuta dell'ago.

Nadelhalter mit Hartmetalleinlagen
Needle Holders with tungsten carbide inserts
Porta-agujas con insertos de carburo tungsteno
Porte-aiguilles avec inserts en carbure de tungstène
Portaghi con morsi in carburo tungsteno

je nach Anwendungsgebiet stehen für TC Nadelhalter unterschiedliche Hartmetalleinlagen zur Verfügung:
according to the field of application, there are various types of tungsten carbide inserts for TC needle holders:
según campo de aplicación, disponen porta-agujas de carburo tungsteno con diferentes insertos de carburo tungsteno:
selon le domaine d'application, inserts en carbure de tungstène différents sont disponibles pour les porte-aiguilles TC:
a seconda delle necessità disponiamo dei portaghi in TC con varie placche con diverse misure della zigrinatura:



☒ **0,5 mm**

zum Halten von Nahtmaterial der Stärken 0,6 bis 3/0
for holding the suture sizes from 0,6 to 3/0
para sujetar material de sutura de 0,6 hasta 3/0 de gruesas
pour tenir matériel de suture de 0,6 à 3/0
per lavorare con suture da 0,6 a 3/0



☒ **0,4 mm**

zum Halten von Nahtmaterial der Stärken 4/0 bis 6/0
for holding the suture sizes from 4/0 to 6/0
para sujetar material de sutura de 4/0 hasta 6/0 de gruesas
pour tenir matériel de suture de 4/0 à 6/0
per lavorare con suture da 4/0 a 6/0



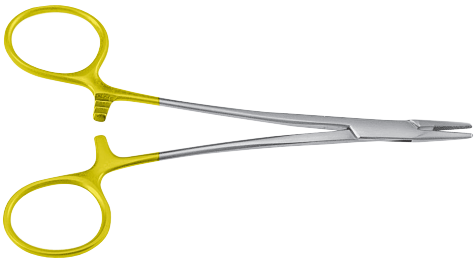
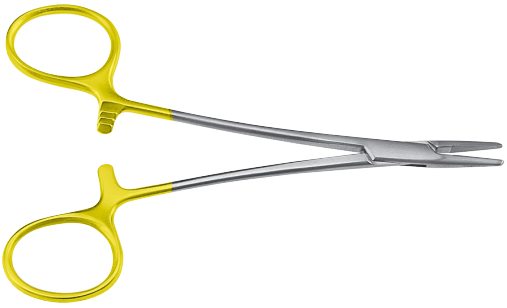
☒ **0,2 mm**

zum Halten von feinem Nahtmaterial der Stärken 7/0 bis 10/0
for holding the delicate suture sizes from 7/0 to 10/0
para sujetar material de sutura fina de 7/0 hasta 10/0
pour tenir matériel de suture fin de 7/0 à 10/0
per lavorare con suture sottili da 7/0 a 10/0

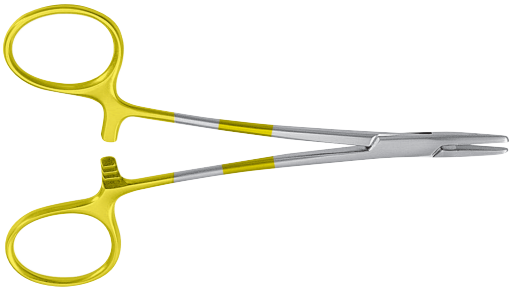
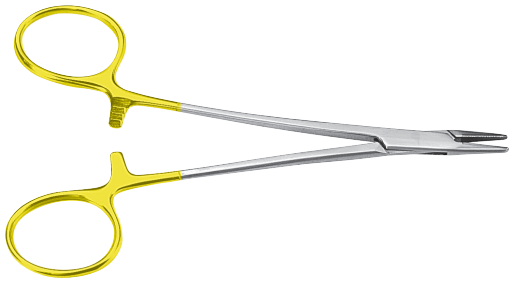
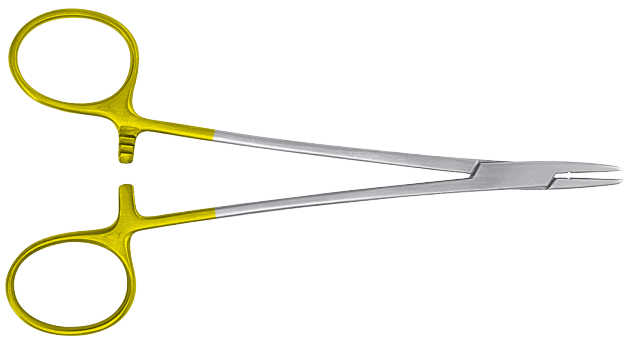


zum Halten von extrem feinem Nahtmaterial; glatt
for holding the smallest suture sizes; smooth
para sujetar material de sutura muy fina; lisa
pour tenir matériel de suture extremement fin; lisse
per lavorare con suture sottilissime; piatta

Nadelhalter mit Hartmetalleinlagen
Needle Holders with tungsten carbide inserts
Porta-agujas con insertos de carburo tungsteno
Porte-aiguilles avec inserts en carbure de tungstène
Portaghi con morsi in carburo tungsteno

Art.Nr.	Beschreibung | *Description*			
	DERF			
				
051-010-12	**12,0 cm; 4 3/4"**	☒	**0,4 mm**	
	WEBSTER			
				
051-026-13	**13,0 cm; 5"**	☒	**0,4 mm**	
051-028-13	**13,0 cm; 5"**			 **glatt | smooth** | liso | lisse | liscio
051-029-13	**13,0 cm; 5"**			 **glatt | smooth** | liso | lisse | liscio
	HALSEY			
				
051-030-13	**13,0 cm; 5 1/8"**			 **glatt | smooth** | liso | lisse | liscio
051-040-13	**13,0 cm; 5 1/8"**	☒	**0,4 mm**	

Nadelhalter mit Hartmetalleinlagen
Needle Holders with tungsten carbide inserts
Porta-agujas con insertos de carburo tungsteno
Porte-aiguilles avec inserts en carbure de tungstène
Portaghi con morsi in carburo tungsteno

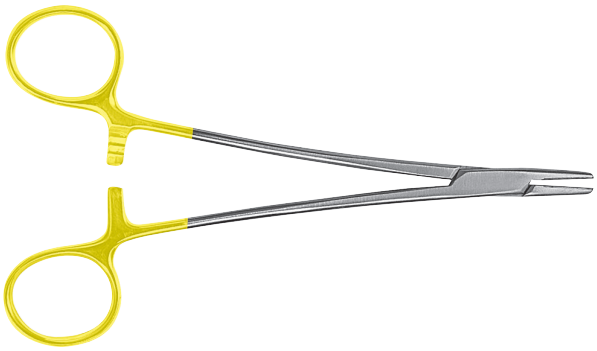
Art.Nr.	Beschreibung | *Description*			
	HALSEY	**für Linkshänder | for sinistral** | para zurdos | pour gauchers | per mancini		
				
051-030-13/LH	**13,0 cm; 5 1/8"**			**glatt | smooth** | liso | lisse | liscio
051-040-13/LH	**13,0 cm; 5 1/8"**	**0,4 mm**		
	HEGAR-BAUMGARTNER			
				
051-048-12	**12,5 cm; 5"**	**0,4 mm**		
051-048-14	**14,0 cm; 5 1/2"**	**0,4 mm**		
	BABY-CRILE-WOOD			
				
051-062-15	**15,0 cm; 6"**	**0,4 mm**		

051

Nadelhalter mit Hartmetalleinlagen
Needle Holders with tungsten carbide inserts
Porta-agujas con insertos de carburo tungsteno
Porte-aiguilles avec inserts en carbure de tungstène
Portaghi con morsi in carburo tungsteno

Art.Nr.	Beschreibung | *Description*		

CRILE-WOOD



051-060-15	15,0 cm; 6"	0,4 mm	
051-060-18	18,0 cm; 7"	0,4 mm	
051-060-20	20,0 cm; 8"	0,4 mm	
051-060-23	23,0 cm; 9"	0,4 mm	
051-060-26	26,0 cm; 10 1/4"	0,4 mm	
051-060-30	30,0 cm; 11 3/4"	0,4 mm	

CRILE-WOOD **für Linkshänder | for sinistral** | para zurdos | pour gauchers | per mancini

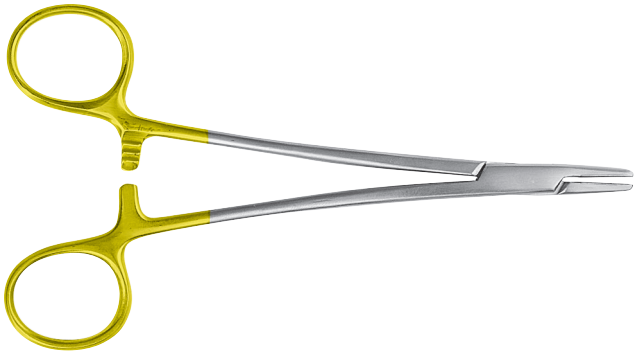


051-060-18/LH	18,0 cm; 7"	0,4 mm	
051-060-20/LH	20,0 cm; 8"	0,4 mm	
051-060-23/LH	23,0 cm; 9"	0,4 mm	

Nadelhalter mit Hartmetalleinlagen
Needle Holders with tungsten carbide inserts
Porta-agujas con insertos de carburo tungsteno
Porte-aiguilles avec inserts en carbure de tungstène
Portaghi con morsi in carburo tungsteno

Art.Nr.	Beschreibung | *Description*		

MAYO-HEGAR



051-080-16	16,0 cm; 6 1/4"	0,5 mm	
051-080-18	18,0 cm; 7"	0,5 mm	
051-080-20	20,0 cm; 8"	0,5 mm	
051-080-24	24,0 cm; 9 1/2"	0,5 mm	
051-080-26	26,0 cm; 10 1/4"	0,5 mm	
051-080-30	30,0 cm; 11 3/4"	0,5 mm	

MAYO-HEGAR **für Linkshänder | for sinistral** | para zurdos | pour gauchers | per mancini

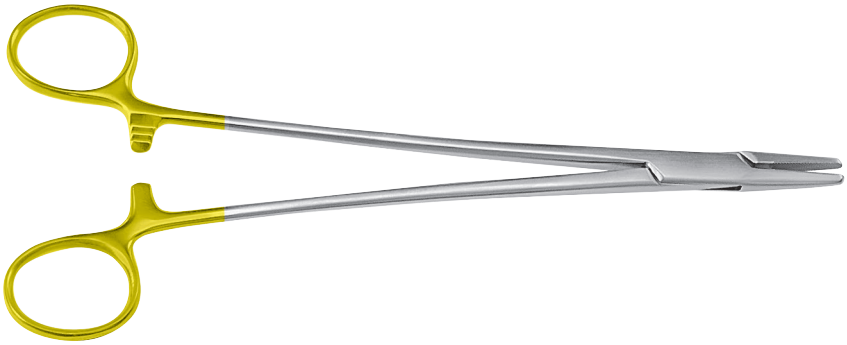


051-080-18/LH	18,0 cm; 7"	0,5 mm	
051-080-20/LH	20,0 cm; 8"	0,5 mm	

Nadelhalter mit Hartmetalleinlagen
Needle Holders with tungsten carbide inserts
Porta-agujas con insertos de carburo tungsteno
Porte-aiguilles avec inserts en carbure de tungstène
Portaghi con morsi in carburo tungsteno

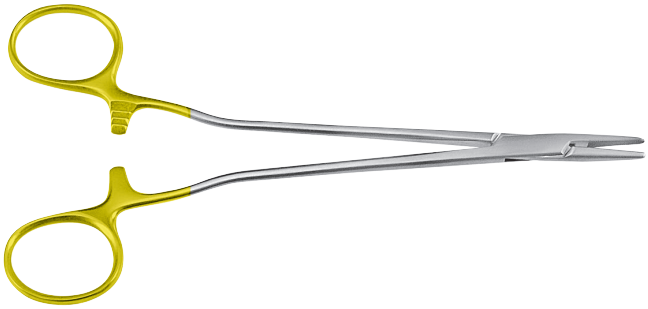
Art.Nr.	Beschreibung | *Description*		

HEGAR



051-084-20	20,0 cm; 8"	0,4 mm	
051-084-24	24,0 cm; 9 2/3"	0,4 mm	

HEGAR-VASCULAR
schlankes Modell | slender pattern | modelo delgado | modèle gracile | modello gracile

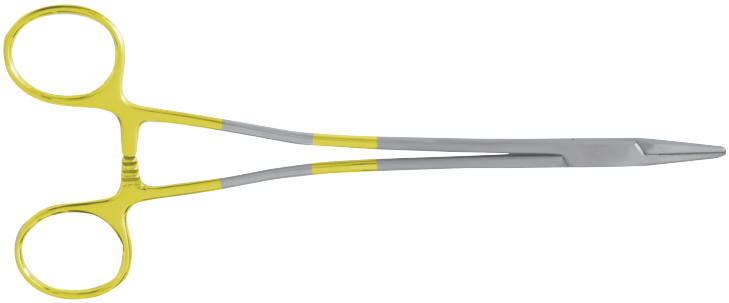


051-090-14	14,0 cm; 5 1/2"	0,4 mm	
051-090-18	18,0 cm; 7"	0,4 mm	
051-090-20	20,0 cm; 8"	0,4 mm	
051-090-23	23,0 cm; 9"	0,4 mm	

Nadelhalter mit Hartmetalleinlagen
Needle Holders with tungsten carbide inserts
Porta-agujas con insertos de carburo tungsteno
Porte-aiguilles avec inserts en carbure de tungstène
Portaghi con morsi in carburo tungsteno

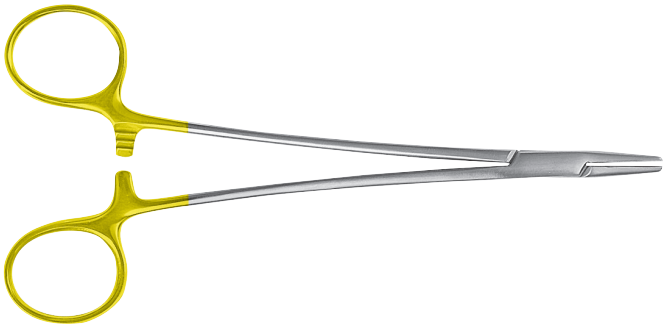
Art.Nr.	Beschreibung | *Description*			

HEGAR-VASCULAR
für Linkshänder | for sinistral | para zurdos | pour gauchers | per mancini



051-090-20/LH	20,0 cm; 8"	☒	0,4 mm	
051-090-23/LH	23,0 cm; 9"	☒	0,4 mm	

DE BAKEY

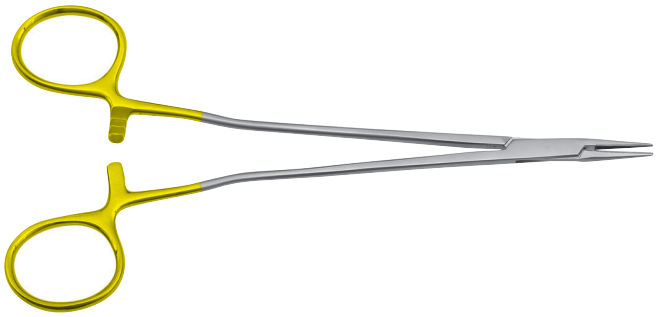


051-114-18	18,0 cm; 7"	☒	0,4 mm	
051-114-20	20,0 cm; 8"	☒	0,4 mm	
051-114-23	23,0 cm; 9"	☒	0,4 mm	
051-114-26	26,0 cm; 10 1/4"	☒	0,4 mm	
051-114-31	31,0 cm; 12 1/4"	☒	0,4 mm	
051-114-37	37,0 cm; 14 1/2"	☒	0,4 mm	

Nadelhalter mit Hartmetalleinlagen
Needle Holders with tungsten carbide inserts
Porta-agujas con insertos de carburo tungsteno
Porte-aiguilles avec inserts en carbure de tungstène
Portaghi con morsi in carburo tungsteno

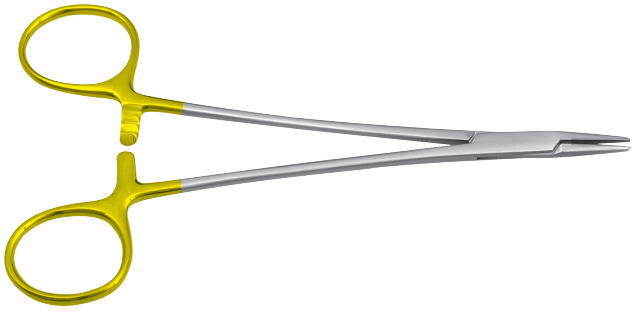
Art.Nr.	Beschreibung | *Description*		

MARTINI
schlankes Modell | slender pattern | modelo delgado | modèle gracile | modello gracile



051-120-14	**14,0 cm; 5 1/2"**		**glatt | smooth** | liso | lisse | liscio
051-120-18	**17,5 cm; 7"**		**glatt | smooth** | liso | lisse | liscio
051-120-20	**20,0 cm; 8"**		**glatt | smooth** | liso | lisse | liscio

MICROVASCULAR
schlankes Modell | slender pattern | modelo delgado | modèle gracile | modello gracile

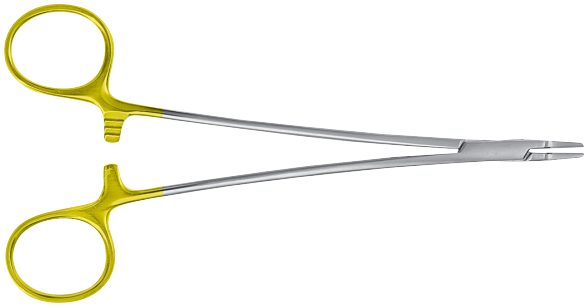


051-122-14	**14,0 cm; 5 1/2"**		**0,2 mm**	
051-122-18	**17,5 cm; 7"**		**0,2 mm**	
051-122-20	**20,0 cm; 8"**		**0,2 mm**	
051-122-23	**23,0 cm; 9"**		**0,2 mm**	

Nadelhalter mit Hartmetalleinlagen
Needle Holders with tungsten carbide inserts
Porta-agujas con insertos de carburo tungsteno
Porte-aiguilles avec inserts en carbure de tungstène
Portaghi con morsi in carburo tungsteno

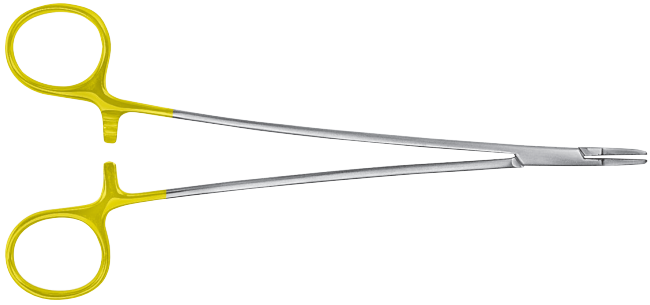
Art.Nr.	Beschreibung | *Description*		

RYDER-VASCULAR
schlankes Modell | slender pattern | modelo delgado | modèle gracile | modello gracile



051-132-13	13,0 cm; 5 1/8"	0,2 mm	
051-132-15	15,0 cm; 6"	0,2 mm	
051-132-18	18,0 cm; 7"	0,2 mm	
051-132-20	20,0 cm; 8"	0,2 mm	
051-132-23	23,0 cm; 9"	0,2 mm	
051-132-26	26,0 cm; 10 1/4"	0,2 mm	

RYDER

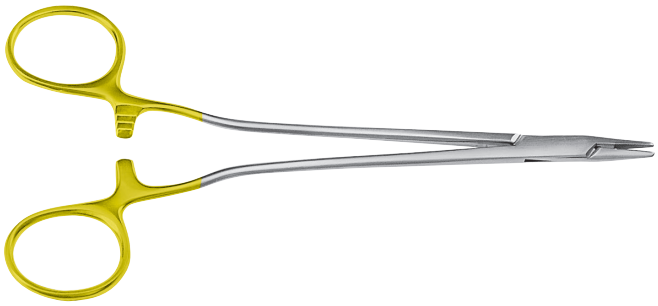


051-134-13	13,0 cm; 5 1/8"	0,4 mm	
051-134-15	15,0 cm; 6"	0,4 mm	
051-134-18	18,0 cm; 7"	0,4 mm	
051-134-20	20,0 cm; 8"	0,4 mm	
051-134-23	23,0 cm; 9"	0,4 mm	
051-134-26	26,0 cm; 10 1/8"	0,4 mm	

Nadelhalter mit Hartmetalleinlagen
Needle Holders with tungsten carbide inserts
Porta-agujas con insertos de carburo tungsteno
Porte-aiguilles avec inserts en carbure de tungstène
Portaghi con morsi in carburo tungsteno

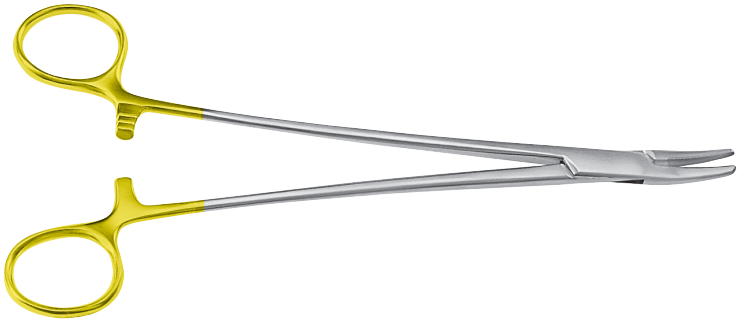
Art.Nr.	Beschreibung | *Description*		

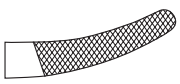
SCHWEDISCHES MODELL



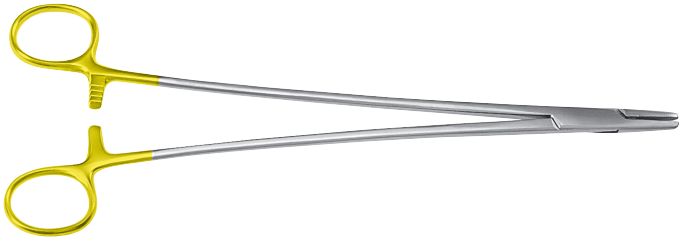
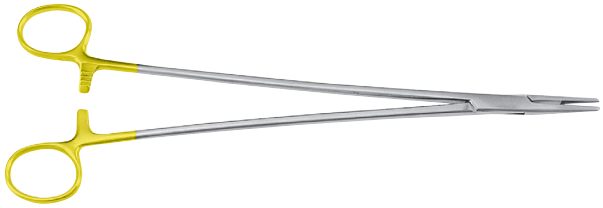
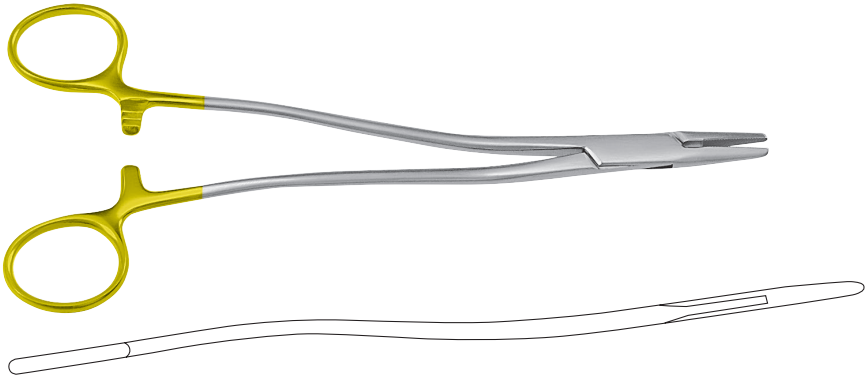
051-136-15	15,0 cm; 6"	0,4 mm	
051-136-17	17,0 cm; 6 3/4"	0,4 mm	
051-136-20	20,0 cm; 7"	0,4 mm	

HEANEY

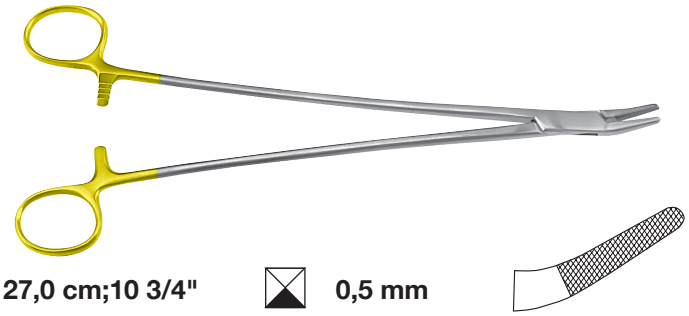
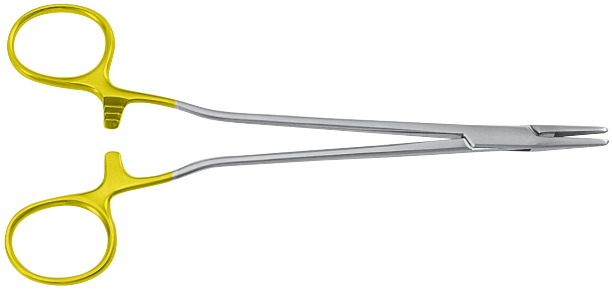


051-141-20	20,0 cm; 8"	0,5 mm	
051-141-24	24,0 cm; 9 1/2"	0,5 mm	
051-141-26	26,0 cm; 10 1/4	0,5 mm	

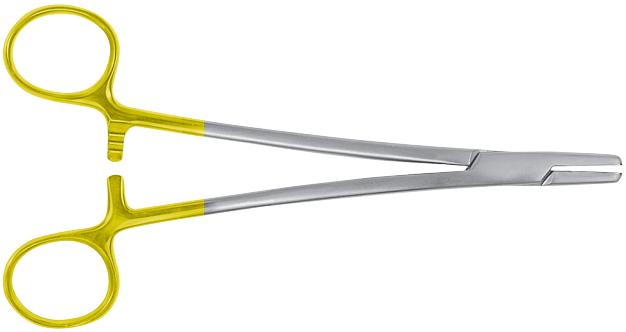
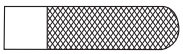
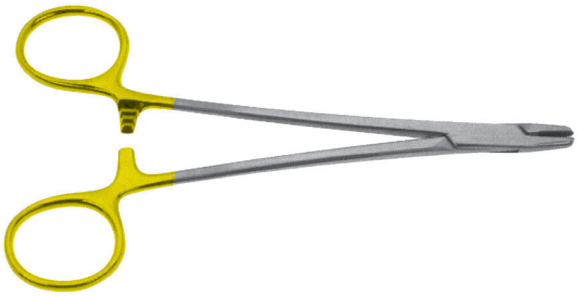
Nadelhalter mit Hartmetalleinlagen
Needle Holders with tungsten carbide inserts
Porta-agujas con insertos de carburo tungsteno
Porte-aiguilles avec inserts en carbure de tungstène
Portaghi con morsi in carburo tungsteno

Art.Nr.	Beschreibung | *Description*			
	MASSON			
				
051-150-27	27,0 cm; 10 3/4"	☒	0,5 mm	
	WANGENSTEEN			
				
051-160-27	27,0 cm; 10 3/4"	☒	0,5 mm	
	BOZEMANN (WERTHEIM)			
				
051-185-20	20,0 cm; 8"	☒	0,5 mm	
051-185-24	24,0 cm; 9 2/3"	☒	0,5 mm	
051-185-26	26,0 cm; 10 1/4"	☒	0,5 mm	

Nadelhalter mit Hartmetalleinlagen
Needle Holders with tungsten carbide inserts
Porta-agujas con insertos de carburo tungsteno
Porte-aiguilles avec inserts en carbure de tungstène
Portaghi con morsi in carburo tungsteno

Art.Nr.	Beschreibung | *Description*		
	FINOCCHIETTO		
			
051-211-27	27,0 cm;10 3/4"	0,5 mm	
	SAROT		
			
051-224-18	18,0 cm; 7"	0,5 mm	
051-224-20	20,0 cm; 8"	0,5 mm	
051-224-26	26,0 cm; 10 1/4"	0,5 mm	
	STRATTE		
			
051-230-23	23,0 cm; 9"	0,5 mm	

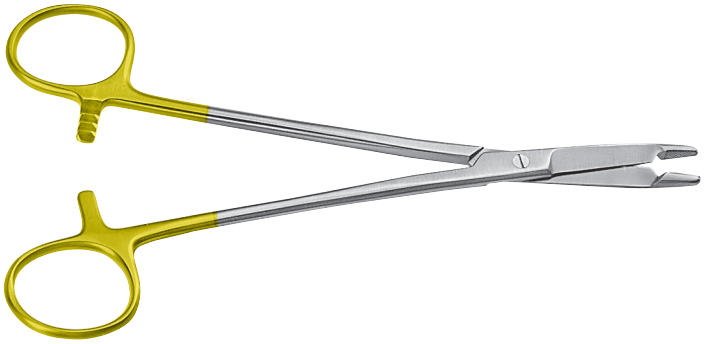
Nadelhalter mit Hartmetalleinlagen
Needle Holders with tungsten carbide inserts
Porta-agujas con insertos de carburo tungsteno
Porte-aiguilles avec inserts en carbure de tungstène
Portaghi con morsi in carburo tungsteno

Art.Nr.	Beschreibung | *Description*			
	BARRY STERNAL			
				
051-240-15	15,0 cm; 6"		0,5 mm	
051-242-18	18,5 cm; 7 1/4"		0,5 mm	
	MAYO-HAUBERISSER			
				
051-244-15	15,0 cm; 6"		0,5 mm	

Nadelhalter mit Hartmetalleinlagen
Needle Holders with tungsten carbide inserts
Porta-agujas con insertos de carburo tungsteno
Porte-aiguilles avec inserts en carbure de tungstène
Portaghi con morsi in carburo tungsteno

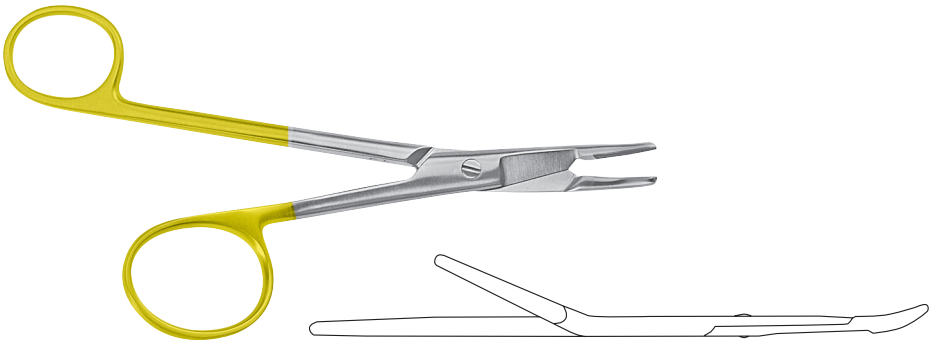
Art.Nr.	Beschreibung | *Description*		

OLSEN-HEGAR



051-310-14	14,0 cm; 5 1/2"	0,5 mm	
051-310-17	17,0 cm; 6 3/4"	0,5 mm	
051-310-19	19,0 cm; 7 1/2"	0,5 mm	

GILLIES

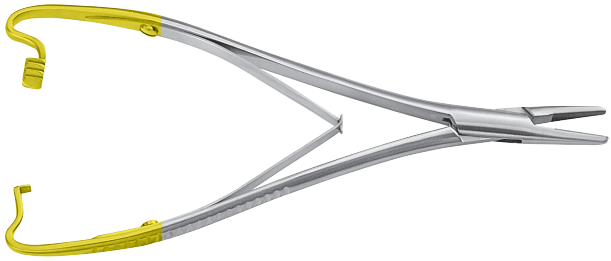


051-330-16	16,0 cm; 6 1/4"	0,5 mm	

Nadelhalter mit Hartmetalleinlagen
Needle Holders with tungsten carbide inserts
Porta-agujas con insertos de carburo tungsteno
Porte-aiguilles avec inserts en carbure de tungstène
Portaghi con morsi in carburo tungsteno

Art.Nr.	Beschreibung | *Description*			
	MATHIEU			
				
051-350-14	14,0 cm; 5 1/2"	☒	0,5 mm	
051-350-17	17,0 cm; 6 3/4"	☒	0,5 mm	
051-350-20	20,0 cm; 8"	☒	0,5 mm	
	MATHIEU-RYDER			
				
051-352-17	17,0 cm; 6 3/4"	☒	0,5 mm	
051-352-20	20,0 cm; 8"	☒	0,5 mm	

Nadelhalter mit Hartmetalleinlagen
Needle Holders with tungsten carbide inserts
Porta-agujas con insertos de carburo tungsteno
Porte-aiguilles avec inserts en carbure de tungstène
Portaghi con morsi in carburo tungsteno

Art.Nr.	Beschreibung | *Description*			
	MATHIEU			
	mit Innensperre | with interior catch con cremallera interior avec | crémaillère intérieure | con cremagliera interna			
				
051-356-17	**17,0 cm; 6 3/4"**	☒	**0,5 mm**	
051-356-20	**20,0 cm; 8"**	☒	**0,5 mm**	
	MATHIEU-KOCHER			
				
051-358-14	**14,0 cm; 5 1/2"**	☒	**0,5 mm**	
051-358-17	**17,0 cm; 6 3/4"**	☒	**0,5 mm**	
051-358-20	**20,0 cm; 8"**	☒	**0,5 mm**	

Nadelhalter mit Hartmetalleinlagen
Needle Holders with tungsten carbide inserts
Porta-agujas con insertos de carburo tungsteno
Porte-aiguilles avec inserts en carbure de tungstène
Portaghi con morsi in carburo tungsteno

Art.Nr.	Beschreibung | *Description*		

LANGENBECK



051-360-18	18,0 cm; 7"	0,5 mm	
051-360-20	20,0 cm; 8"	0,5 mm	
051-360-23	23,0 cm; 9"	0,5 mm	

LICHTENBERG



051-366-17	17,0 cm; 6 3/4"	0,5 mm	
051-366-20	20,0 cm; 8"	0,5 mm	

TONTARRA

OPEN SURGERY



Unterbindungsnadeln
Wundklammerzangen

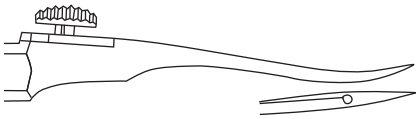
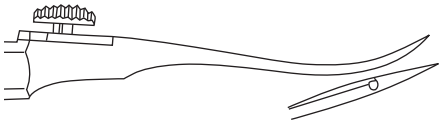
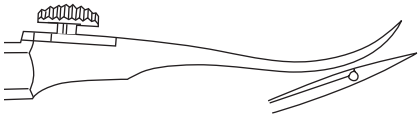
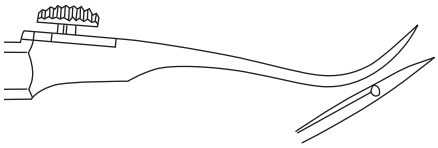
Ligature Needles
Clip applying Forceps

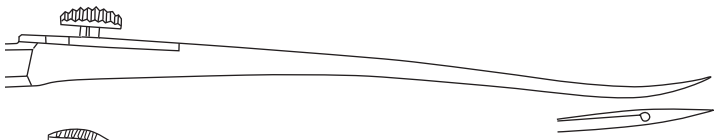
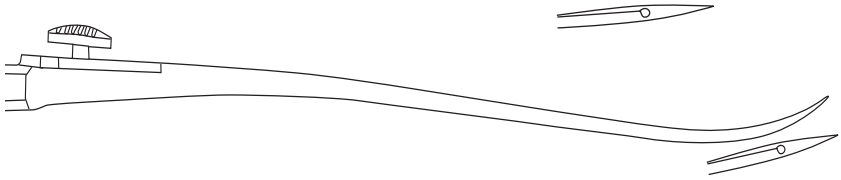
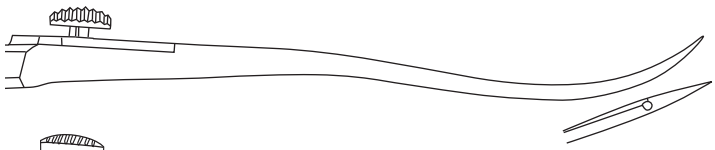
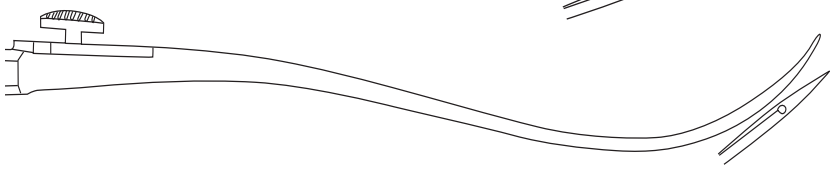
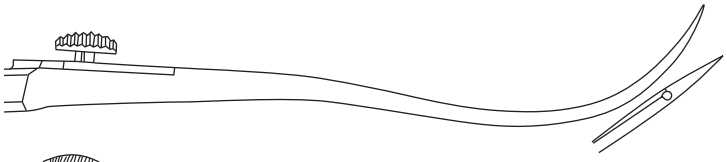
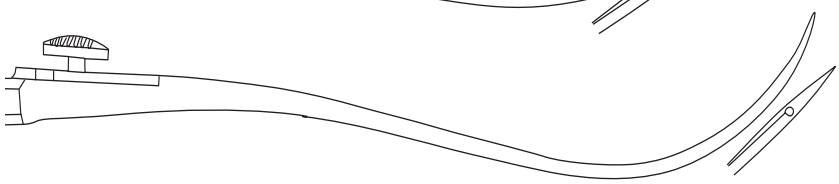
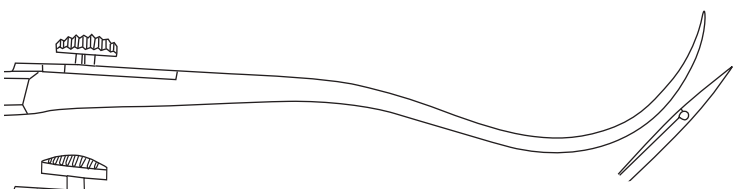
Agujas para ligaduras
Pinzas aplicadoras para agrafes

Aiguilles à ligatures
Pinces á poser les agrafes

Aghi per legatura
Pinze per applicare le agrafe

056

Art.Nr.	Beschreibung | *Description*		
	REVERDIN		
	kurz | short | corto **|** courte **|** corto		
			
056-211-01	**Fig. 1**	**14,0 cm; 5 1/2"**	
056-211-02	**Fig. 2**	**14,0 cm; 5 1/2"**	
056-211-03	**Fig. 3**	**14,0 cm; 5 1/2"**	
056-211-04	**Fig. 4**	**14,0 cm; 5 1/2"**	

Art.Nr.	Beschreibung | *Description*		
	REVERDIN		
	mittel | medium | medio **|** moyenne **|** medio **lang | long |** largo **|** longue **|** lungo		
			
056-221-01	**Fig. 1**	**19,5 cm; 7 3/4"**	
056-223-01	**Fig. 1**	**22,5 cm; 7 3/4"**	
056-221-02	**Fig. 2**	**19,5 cm; 7 3/4"**	
056-223-02	**Fig. 2**	**22,5 cm; 7 3/4"**	
056-221-03	**Fig. 3**	**19,5 cm; 7 3/4"**	
056-223-03	**Fig. 3**	**22,5 cm; 7 3/4"**	
056-221-04	**Fig. 4**	**19,5 cm; 7 3/4"**	
056-223-04	**Fig. 4**	**22,5 cm; 7 3/4"**	

Art.Nr.	Beschreibung | *Description*
	DESCHAMPS **scharf; für die rechte Hand** **sharp; for right hand** aguda; para la mano derecha pointue; pour la main droite acuto; per la mano destra



056-320-20	**20,0 cm; 8"**
	DESCHAMPS **scharf; für die linke Hand** **sharp; for left hand** aguda; para la mano izquierda pointue; pour la main gauche acuto; per la mano sinistra



056-321-20	**20,0 cm; 8"**
	DESCHAMPS **scharf; für die rechte Hand** **sharp; for right hand** aguda; para la mano derecha pointue; pour la main droite acuto; per la mano destra



056-322-20	**20,0 cm; 8"**
	DESCHAMPS **scharf; für die linke Hand** **sharp; for left hand** aguda; para la mano izquierda pointue; pour la main gauche acuto; per la mano sinistra



056-323-20	**20,0 cm; 8"**

Art.Nr.	Beschreibung | *Description*
	DESCHAMPS **stumpf; für die rechte Hand** **blunt; for right hand** roma; para la mano derecha mousse; pour la main droite smusso; per la mano destra



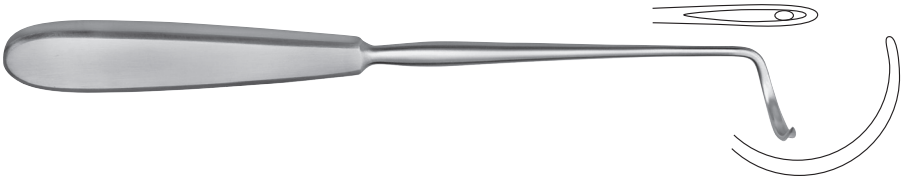
056-328-20	**20,0 cm; 8"**
	DESCHAMPS **stumpf; für die linke Hand** **blunt; for left hand** roma; para la mano izquierda mousse; pour la main gauche smusso; per la mano sinistra



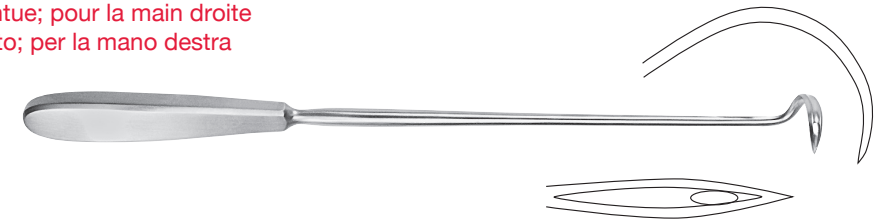
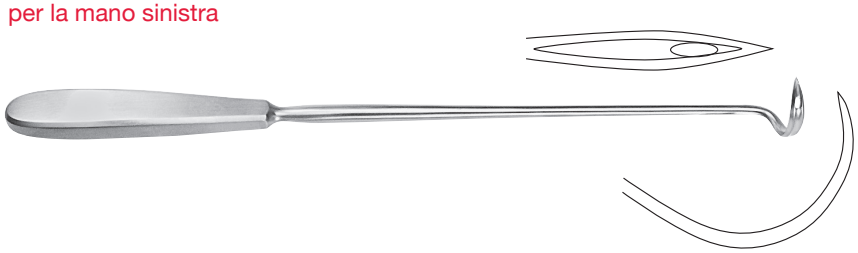
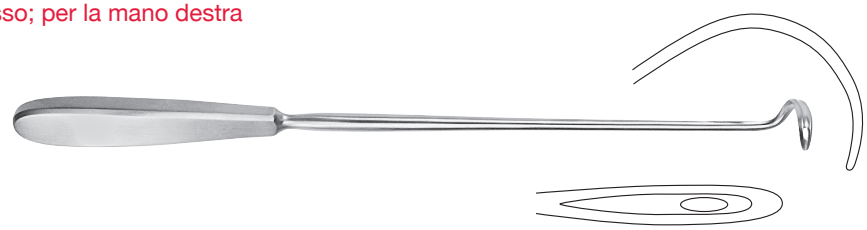
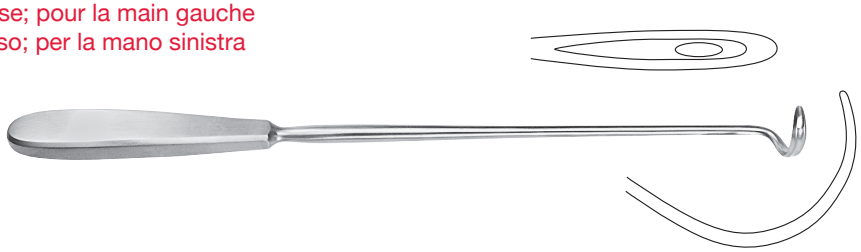
056-329-20	**20,0 cm; 8"**
	DESCHAMPS **stumpf; für die rechte Hand** **blunt; for right hand** roma; para la mano derecha mousse; pour la main droite smusso; per la mano destra

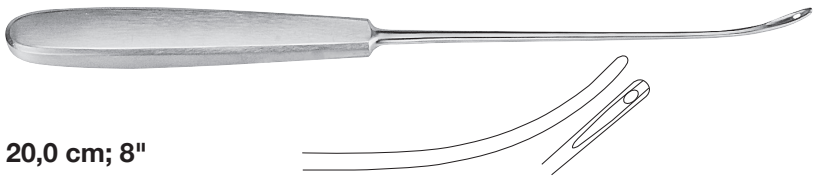
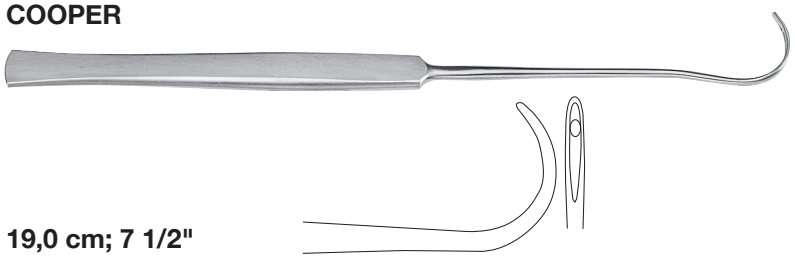
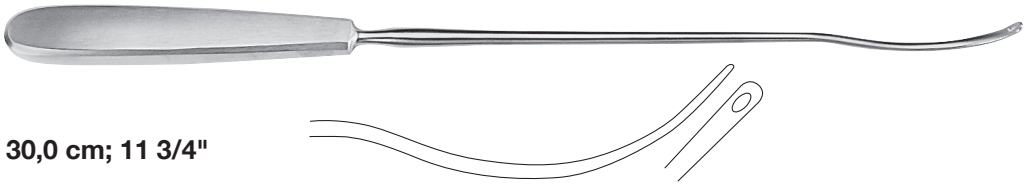
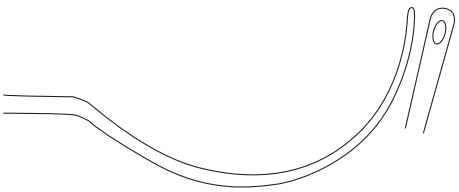
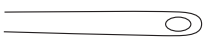


056-330-20	**20,0 cm; 8"**
	DESCHAMPS **stumpf; für die linke Hand** **blunt; for left hand** roma; para la mano izquierda mousse; pour la main gauche smusso; per la mano sinistra



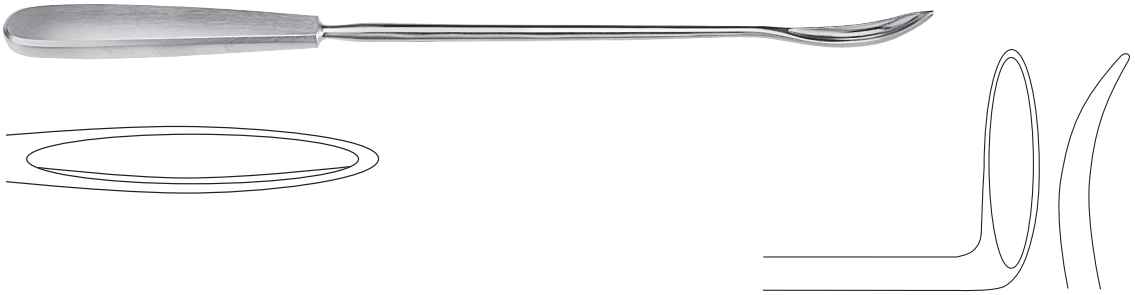
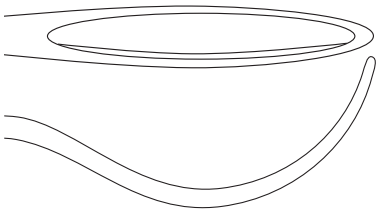
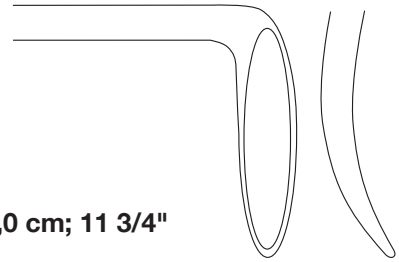
056-331-20	

Art.Nr.	Beschreibung | *Description*
	DESCHAMPS **scharf; für die rechte Hand** **sharp; for right hand** aguda; para la mano derecha pointue; pour la main droite acuto; per la mano destra
	
056-324-21	**21,0 cm; 8 1/4"**
056-324-27	**27,0 cm; 10 3/4"**
	DESCHAMPS **scharf; für die linke Hand** **sharp; for left hand** aguda; para la mano izquierda pointue; pour la main gauche acuto; per la mano sinistra
	
056-325-21	**21,0 cm; 8 1/4"**
056-325-27	**27,0 cm; 10 3/4"**
	DESCHAMPS **stumpf; für die rechte Hand** **blunt; for right hand** roma; para la mano derecha mousse; pour la main droite smusso; per la mano destra
	
056-332-21	**21,0 cm; 8 1/4"**
056-332-27	**27,0 cm; 10 3/4"**
	DESCHAMPS **stumpf; für die linke Hand** **blunt; for left hand** roma; para la mano izquierda mousse; pour la main gauche smusso; per la mano sinistra
	
056-333-21	**21,0 cm; 8 1/4"**
056-333-27	**27,0 cm; 10 3/4"**

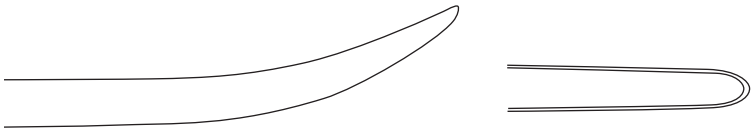
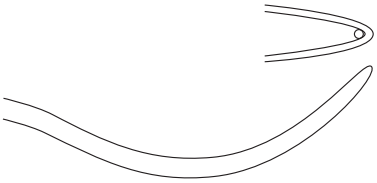
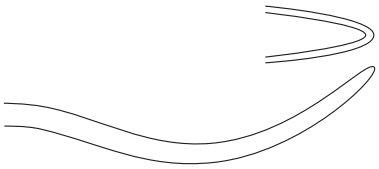
Art.Nr.	Beschreibung | *Description*
	biegsam | malleable | maleable | malléable | malleabile
	
056-450-20	20,0 cm; 8"
	COOPER
	
056-451-19	19,0 cm; 7 1/2"
	BRUNNER
	
056-454-01	30,0 cm; 11 3/4"
056-454-02	30,0 cm; 11 3/4" 
	BRUNNER
	
056-455-25	25,0 cm; 9 3/4" 
	SCHMIEDEN
	
056-458-21	24,0 cm; 9 1/2"

Art.Nr.	Beschreibung | *Description*
	KRONECKER **für die rechte Hand** **for right hand** para la mano derecha pour la main droite per la mano destra
	
056-470-01	**15,0 cm; 6"**
	KRONECKER **für die linke Hand** **for left hand** para la mano izquierda pour la main gauche per la mano sinistra
	
056-470-02	**15,0 cm; 6"**
	CLAUS
	
056-473-23	**23,0 cm; 9"**
	HURD **rechts | right** | derecho | droite | destro
	
056-474-01	**21,0 cm; 8 1/4"**
	HURD **links | left** | izquierda | gauche | sinistro
	
056-474-02	**21,0 cm; 8 1/4"**

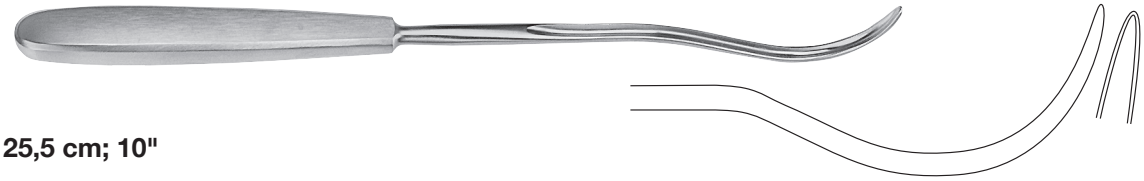
Unterbindungsnadeln; Führungshohlsonden
Ligature Needles; Ligature Conductors
Agujas para ligaduras; Sondas conductoras
Aiguilles à ligatures; Sondes conductrices
Aghi per legatura; Sonde conduttrici

Art.Nr.	Beschreibung | *Description*		
	BRUNNER		
			
056-500-01	**30,0 cm; 11 3/4"**	**056-500-03**	**30,0 cm; 11 3/4"**
			
056-500-02	**30,0 cm; 11 3/4"**	**056-500-04**	**30,0 cm; 11 3/4"**

Unterbindungsnadeln; Führungshohlsonden
Ligature Needles; Ligature Conductors
Agujas para ligaduras; Sondas conductoras
Aiguilles à ligatures; Sondes conductrices
Aghi per legatura; Sonde conduttrici

Art.Nr.	Beschreibung | *Description*		
	PAYR		
			
056-502-22	22,0 cm; 8 3/4"		
056-503-22	22,0 cm; 8 3/4"		
	SCHMIEDEN-PAYR		
			
056-506-19	19,0 cm; 7 1/2"		**mit Loch** **with eye** con agujero avec trou con foro
056-507-19	19,0 cm; 7 1/2"		**ohne Loch** **without eye** sin agujero sans trou senza foro
	KÖNIG		
			
056-508-03	19,5 cm; 7 3/4"	3 mm	
056-508-05	19,5 cm; 7 3/4"	5 mm	
056-508-07	19,5 cm; 7 3/4"	7 mm	

Führungshohlsonden; Kropfsonden
Ligature Conductors; Goitre Enudeator
Sondas conductoras; Sondas para bocio
Sondes conductrices; Spatules à goitre
Sonde conduttrici; Sonde per gozzo

Art.Nr.	Beschreibung | *Description*
	KIRSCHNER
	
056-510-25	**25,5 cm; 10"**
	KOCHER
	
056-513-16	**16,0 cm; 6 1/4"**
056-514-16	**16,0 cm; 6 1/4"**

ohne Loch
without eye
sin agujero
sans trou
senza foro

mit Loch
with eye
con agujero
avec trou
con foro

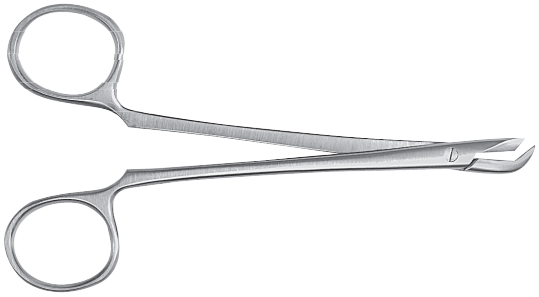
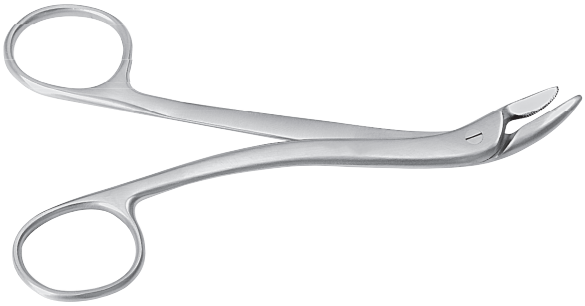
FERROZELL



056-520-24	**24,0 cm; 9 1/2"**

Führungshohlsonden; Fadengabel; Schlingendreher
Ligature Conductors; Ligature Adjuster; Knot Tier
Sondas conductoras; Horquilla de hilos; Tuerca-Lazos
Sondes conductrices; Pousse-fil; Tords-fil
Sonde conduttrici; Forchetta per sutura; Torcifilo

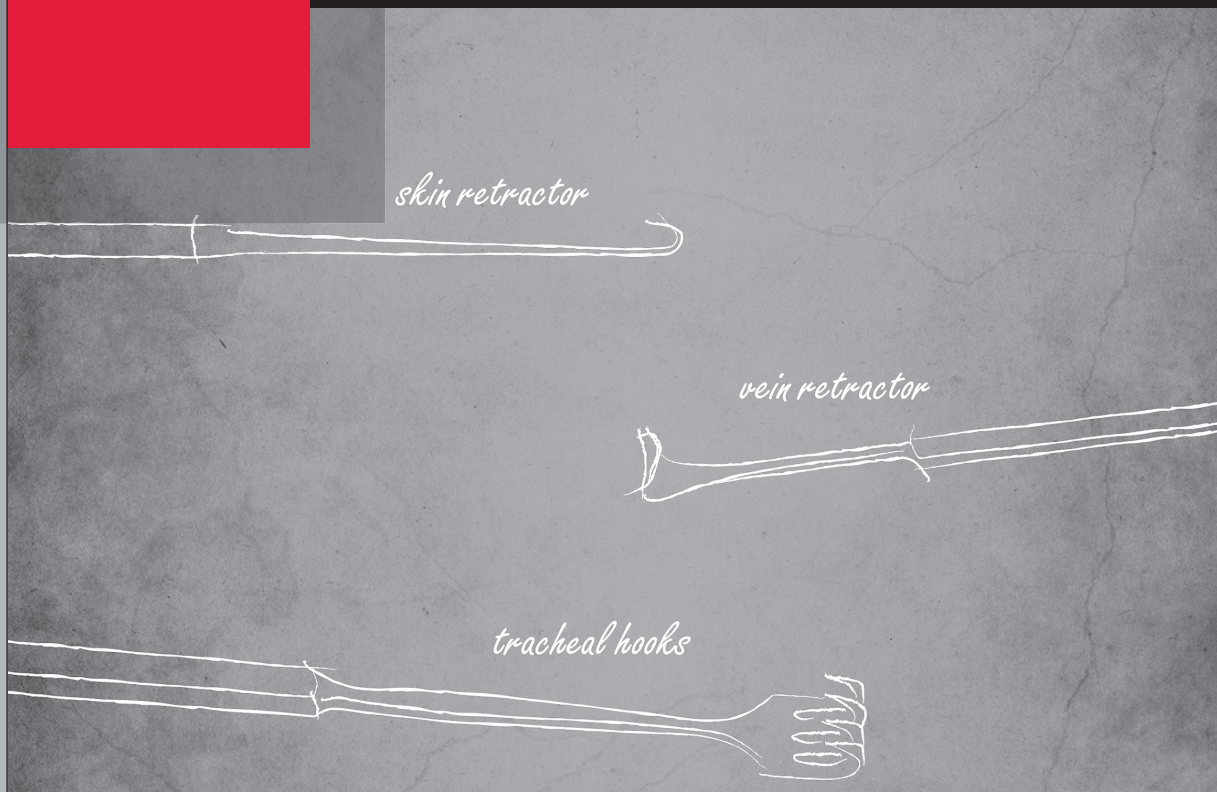
Art.Nr.	Beschreibung | *Description*
	FERROZELL
	
056-523-02	**19,0 cm; 7 1/2"**
	Fadengabel | Ligature adjuster | Horquilla de hilos | Pousse-fil | Forchetta per sutura
	
056-530-23	**23,0 cm; 9"**
	MODELL WIEN
	
056-532-23	**23,5 cm; 9 1/4"**

Art.Nr.	Beschreibung | *Description*	
	COLLIN	**Klammerentfernungszange** **Clip removing forceps** Pinza para quitar agrafes Pince à retirer les agrafes Pinza per togliere clips
		
056-552-13	13,0 cm; 5 1/8"	
	RICHTER-HEATH	**Klammerentfernungszange** **Clip removing forceps** Pinza para quitar agrafes Pince à retirer les agrafes Pinza per togliere clips
		
056-553-14	14,0 cm; 5 1/2"	
	HEGENBARTH	**Klammeranlegepinzette** **Clip applying forceps** Pinza para poner agrafes Pince à poser les agrafes Pinza per mettere clips
		
056-556-12	12,5 cm; 5"	

Art.Nr.	Beschreibung | *Description*
	CHILDE
	
056-560-02	**18,0 cm; 7"**

TONTARRA

OPEN SURGERY



Wundhaken
Retractors
Separadores
Ecarteurs
Divaricatori

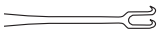
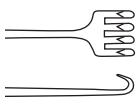
062

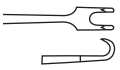
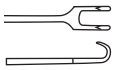
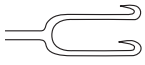
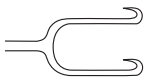
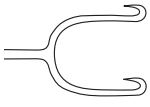
Art.Nr.	Beschreibung | *Description*
	GRAHAM **stumpf | blunt** | romo | mousse | smusso
	
062-010-16	**16,0 cm; 6 2/8"**
	SACHS **spitz | sharp** | agudo | pointu | acuto
	
062-011-18	**18,0 cm; 7 1/8"**
	FISCH **stumpf | blunt** | romo | mousse | smusso
	
062-012-01	**19,0 cm; 7 4/8"**
	FISCH **spitz | sharp** | agudo | pointu | acuto
	
062-012-02	**19,0 cm; 7 4/8"**
	MOLDESTAD **stumpf | blunt** | romo | mousse | smusso
	
062-018-13	**12,0 cm; 4 6/8"**

Venenhaken; Wundhäkchen
Vein Hooks; Hooklets
Ganchos venas; Ganchitos
Crochets pour veines; Crochets
Uncini per vene; Divaricatori

Art.Nr.	Beschreibung | *Description*		
	GRAEFE	**Schielhaken** **Strabismus hooks** Ganchos para estrabismo Crochets à strabisme Divaricatori per strabismo	
062-040-13	**13,0 cm; 5 1/8"**		
062-040-14	**14,0 cm; 5 4/8"**		
062-040-15	**14,5 cm; 5 6/8"**		
	GILLIES	**spitz | sharp** | agudo | pointu | acuto	
062-050-01	**Fig. 1**	**18,0 cm; 7 1/8"**	
062-050-02	**Fig. 2**	**18,0 cm; 7 1/8"**	
	KILNER	**spitz | sharp** | agudo | pointu | acuto	
062-054-15	**14,5 cm; 5 6/8"**		
	KLEINERT-KUTZ	**spitz | sharp** | agudo | pointu | acuto	
062-058-01	**Fig. 1**	**16,0 cm; 6 2/8"**	
062-058-02	**Fig. 2**	**16,0 cm; 6 2/8"**	
062-058-03	**Fig. 3**	**16,0 cm; 6 2/8"**	

Art.Nr.	Beschreibung | *Description*		
	FRAZIER	**spitz | sharp** | agudo | pointu | acuto	
			
062-060-13	**13,0 cm; 5 1/8"**		
	JOSEPH	**spitz | sharp** | agudo | pointu | acuto	
			
062-062-16	**15,5 cm; 6 1/8"**		
		spitz | sharp | agudo | pointu | acuto	
			
062-070-01	**Fig. 1**	**16,0 cm; 6 2/8"**	
062-070-02	**Fig. 2**	**16,0 cm; 6 2/8"**	
062-070-03	**Fig. 3**	**16,0 cm; 6 2/8"**	
062-070-04	**Fig. 4**	**16,0 cm; 6 2/8"**	
	COTTLE	**spitz | sharp** | agudo | pointu | acuto	
			
062-071-16	**16,0 cm; 6 2/8"**		
	O`CONNOR	**spitz | sharp** | agudo | pointu | acuto	
			
062-074-16	**16,0 cm; 6 2/8"**		

Art.Nr.	Beschreibung | *Description*		
	GRAEFE		
			
	spitz | sharp | agudo | pointu | acuto		
062-076-01	**12,0 cm; 4 3/4"**		
	stumpf | blunt | romo | mousse | smusso		
062-076-02	**12,0 cm; 4 3/4"**		
	GRAEFE		
			
	spitz | sharp | agudo | pointu | acuto		
062-078-01	**16,0 cm; 6 2/8"**		
	stumpf | blunt | romo | mousse | smusso		
062-078-02	**16,0 cm; 6 2/8"**		
	GUTHRIE		
			
062-080-01	**Fig. 1**	**16,0 cm; 6 2/8"**	
062-080-02	**Fig. 2**	**16,0 cm; 6 2/8"**	
	ROLLET		
			
062-081-13	**13,0 cm; 5 1/8"**		
	KNAPP		
			
	spitz | sharp | agudo | pointu | acuto		
062-082-01	**Fig.1**	**13,0 cm; 5 1/8"**	
	stumpf | blunt | romo | mousse | smusso		
062-082-02	**Fig. 2**	**13,0 cm; 5 1/8"**	

Art.Nr.	Beschreibung | *Description*		
	GUTHRIE		
			
062-083-12	**12,5 cm; 5"**		
	GUTHRIE		
			
062-083-13	**13,0 cm; 5 1/8"**		
	FREER		
			
062-087-15	**15,0 cm; 5 7/8"**		
	JOSEPH	**spitz | sharp** | agudo | pointu | acuto	
			
062-086-01	**16,0 cm; 6 2/8"**		
	JOSEPH	**spitz | sharp** | agudo | pointu | acuto	
			
062-086-02	**2 mm**	**16,0 cm; 6 2/8"**	
062-086-07	**7 mm**	**16,0 cm; 6 2/8"**	
062-086-05	**5 mm**	**16,0 cm; 6 2/8"**	
062-086-10	**10 mm**	**16,0 cm; 6 2/8"**	

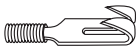
Wundhäkchen; Trachealhaken
Hooklets; Tracheal Hooks
Ganchitos; Ganchos traqueales
Crochets; Ecarteurs pour trachéotomie
Divaricatori; Unicini tracheali

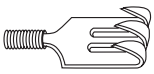
Art.Nr. **Beschreibung** | ***Description***

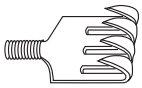
flexibel | flexible | flexibles | flexible | flessibili



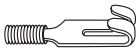
spitz | sharp | agudo | pointu | acuto

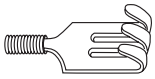
062-088-02 **15,5 cm; 6 1/8"** 

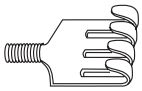
062-088-03 **15,5 cm; 6 1/8"** 

062-088-04 **15,5 cm; 6 1/8"** 

stumpf | blunt | romo | mousse | smusso

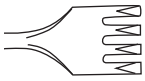
062-089-02 **15,5 cm; 6 1/8"** 

062-089-03 **15,5 cm; 6 1/8"** 

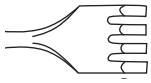
062-089-04 **15,5 cm; 6 1/8"** 



spitz | sharp | agudo | pointu | acuto

062-090-04 **16,5 cm; 6 4/8"** 

stumpf | blunt | romo | mousse | smusso

062-091-04 **16,5 cm; 6 4/8"** 

JACKSON

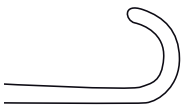


062-093-15 **15,0 cm; 5 7/8"**

JACKSON



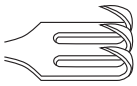
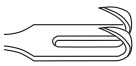
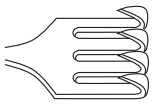
062-094-18 **18,0 cm; 7 1/8"**

Art.Nr.	Beschreibung | *Description*	
	ROSE	
		
062-096-13	16,0 cm; 6 2/8"	
	LUER	
		
062-097-11	11,0 cm; 4 3/8"	
	BOSE	links | left | izquierdo | gauche | sinistro
		
062-098-01	16,0 cm; 6 2/8"	
	BOSE	rechts | right | derecho | droit | destro
		
062-098-02	16,0 cm; 6 2/8"	
	ITERSON	
		
	scharf | sharp | agudo | pointu | acuto	
062-099-01	Fig. 1	16,0 cm; 6 2/8"
		
	stumpf | blunt | romo | mousse | smusso	
062-099-02	Fig. 2	16,0 cm; 6 2/8"
		

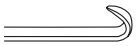
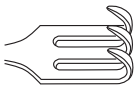
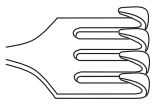


Art.Nr. **Beschreibung** | ***Description***

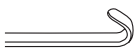
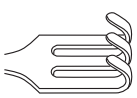
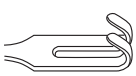
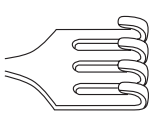
scharf | sharp | agudo | pointu | acuto

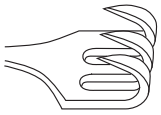
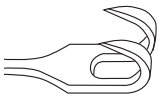
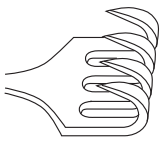
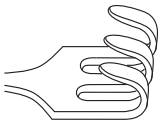
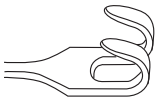
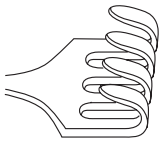
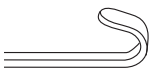
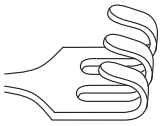
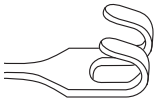
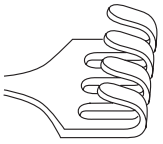
062-101-01	**16,5 cm; 6 4/8"**		**062-101-03**	**16,5 cm; 6 4/8"**	
062-101-02	**16,5 cm; 6 4/8"**		**062-101-04**	**16,5 cm; 6 4/8"**	

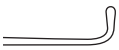
halbscharf | semi-sharp | semi-agudo | semi-pointu | semi-acuto

062-103-01	**16,5 cm; 6 4/8"**		**062-103-03**	**16,5 cm; 6 4/8"**	
062-103-02	**16,5 cm; 6 4/8"**		**062-103-04**	**16,5 cm; 6 4/8"**	

stumpf | blunt | romo | mousse | smusso

062-102-01	**16,5 cm; 6 4/8"**		**062-102-03**	**16,5 cm; 6 4/8"**	
062-102-02	**16,5 cm; 6 4/8"**		**062-102-04**	**16,5 cm; 6 4/8"**	

Art.Nr.	Beschreibung | *Description*				
					
	scharf | sharp | agudo | pointu | acuto				
062-121-01	16,5 cm; 6 4/8"		062-121-03	16,5 cm; 6 4/8"	
062-121-02	16,5 cm; 6 4/8"		062-121-04	16,5 cm; 6 4/8"	
	halbscharf | semi-sharp | semi-agudo | semi-pointu | semi-acuto				
062-123-01	16,5 cm; 6 4/8"		062-123-03	16,5 cm; 6 4/8"	
062-123-02	16,5 cm; 6 4/8"		062-123-04	16,5 cm; 6 4/8"	
	stumpf | blunt | romo | mousse | smusso				
062-122-01	16,5 cm; 6 4/8"		062-122-03	16,5 cm; 6 4/8"	
062-122-02	16,5 cm; 6 4/8"		062-122-04	16,5 cm; 6 4/8"	

Art.Nr.	Beschreibung | *Description*		
	CUSHING		
			
062-140-01	**4 mm**	**19,0 cm; 7 4/8"**	
062-140-02	**6 mm**	**19,0 cm; 7 4/8"**	
	CUSHING		
			
062-141-01	**4 mm**	**28,0 cm; 11"**	
062-141-02	**6 mm**	**28,0 cm; 11"**	
	ADSON		
			

stumpf | blunt | romo | mousse | smusso

062-142-20	**20,0 cm; 7 7/8"**	

spitz | sharp | agudo | pointu | acuto

062-143-20	**20,0 cm; 7 7/8"**	

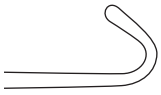
	DANDY	
		
062-144-23	**23,0 cm; 9"**	
	DANDY	
		

links | left | izquierda | gauche | sinistro

062-145-01	**21,5 cm; 8 4/8"**	

rechts | right | derecho | droite | destro

062-145-02	**21,5 cm; 8 4/8"**	

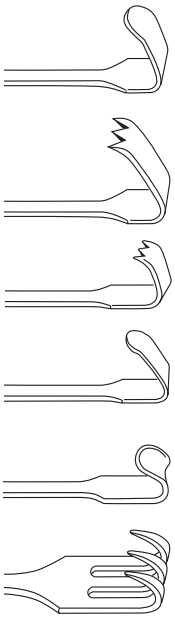
Art.Nr.	Beschreibung | *Description*		
	KRAYENBÜHL		
			
062-146-01	3,0 mm	18,5 cm; 7 2/8"	
062-146-02	3,5 mm	18,5 cm; 7 2/8"	
062-146-03	2,0 mm	18,5 cm; 7 2/8"	
062-146-04	2,5 mm	18,5 cm; 7 2/8"	
	GRONINGEN		
			
062-148-01	Fig. 1	26,0 cm; 10 7/8"	
062-148-02	Fig. 2	26,0 cm; 10 7/8"	
	CRILE		
			
062-149-20	20,0 cm; 7 7/8"		

Art.Nr.	Beschreibung | *Description*	

MEYERDING



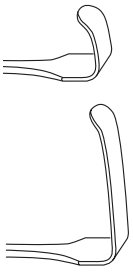
062-150-01	18 x 7 mm	18,0 cm; 7 1/8"
062-150-02	16 x 5 mm	18,0 cm; 7 1/8"
062-150-03	7 x 4 mm	18,0 cm; 7 1/8"
062-150-04	10 x 3 mm	18,0 cm; 7 1/8"
062-150-05	7 x 4 mm	18,0 cm; 7 1/8"
062-150-06	4 x 10 mm	18,0 cm; 7 1/8"



SENN-GREEN



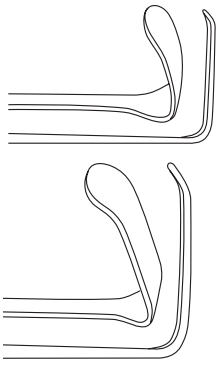
062-160-10	10 x 6 mm	16,0 cm; 6 2/8"
062-160-20	20 x 6 mm	16,0 cm; 6 2/8"



LANGENBECK-GREEN



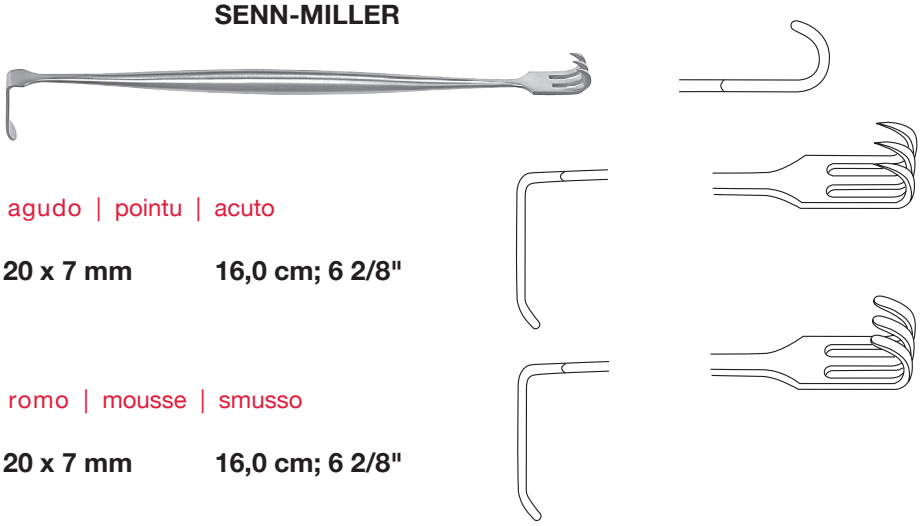
062-162-01	16 x 6 mm	16,0 cm; 6 2/8"
062-162-02	24 x 6 mm	16,0 cm; 6 2/8"



Art.Nr.	Beschreibung | *Description*				
	MINI-LANGENBECK				
062-164-01	10 x 6 mm	16,0 cm; 6 2/8"	062-164-03	20 x 6 mm	
062-164-02	17 x 5 mm	16,0 cm; 6 2/8"	062-164-04	22 x 8 mm	
062-166-16	14 x 8 mm	16,0 cm; 6 2/8"			
	RAGNELL-DAVIS				
062-170-14	15 x 5,5 mm	14,0 cm; 5 4/8"	8 x 4 mm		
	RAGNELL				
062-174-15	16 x 5 mm	15,0 cm; 5 7/8"	8 x 3 mm		

Art.Nr.	Beschreibung | *Description*				

SENN-MILLER



scharf | sharp | agudo | pointu | acuto

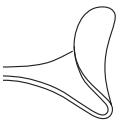
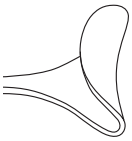
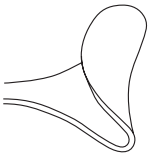
062-180-16	20 x 7 mm	16,0 cm; 6 2/8"

stumpf | blunt | romo | mousse | smusso

062-181-16	20 x 7 mm	16,0 cm; 6 2/8"

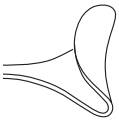
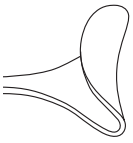
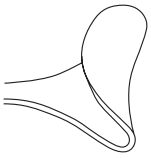
DESMARRES



062-200-08	8 mm	13,0 cm; 5 1/8"	062-200-14	14 mm	
062-200-10	10 mm	13,0 cm; 5 1/8"	062-200-16	16 mm	
062-200-12	12 mm	13,0 cm; 5 1/8"	062-200-18	18 mm	

CUSHING

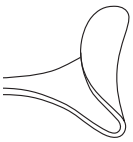
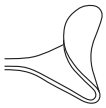
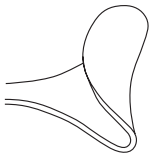


062-210-08	8 mm	20,0 cm; 7 7/8"	062-210-14	14 mm	
062-210-10	10 mm	20,0 cm; 7 7/8"	062-210-16	16 mm	
062-210-12	12 mm	20,0 cm; 7 7/8"	062-210-18	18 mm	

Art.Nr.	Beschreibung | *Description*					

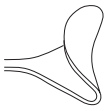
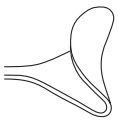
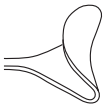
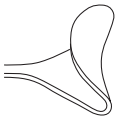
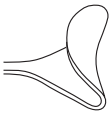
CUSHING



062-212-08	8 mm		24,0 cm; 9 4/8"	062-212-14	14 mm	
062-212-10	10 mm		24,0 cm; 9 4/8"	062-212-16	16 mm	
062-212-12	12 mm		24,0 cm; 9 4/8"	062-212-18	18 mm	

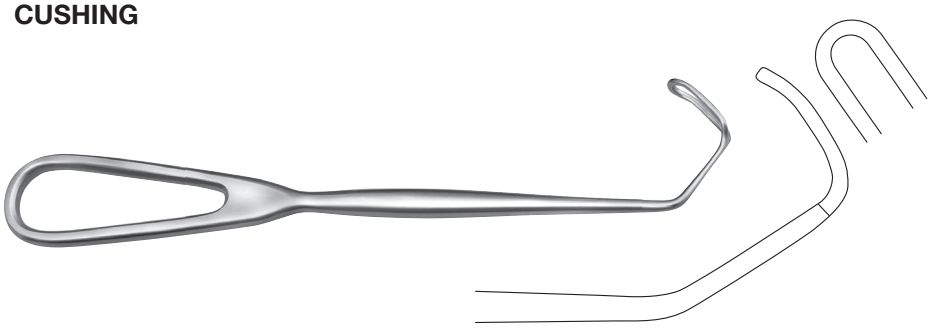
GIL-VERNET **flexibel | flexible** | flexibles | flexible | flessibili



062-230-08	8 mm		24,0 cm; 9 4/8"	062-230-17	17 mm	
062-230-11	11 mm		24,0 cm; 9 4/8"	062-230-20	20 mm	
062-230-13	13 mm		24,0 cm; 9 4/8"	062-230-23	23 mm	
062-230-15	15 mm		24,0 cm; 9 4/8"			

Art.Nr.	Beschreibung | *Description*

CUSHING



062-250-20 20,5 cm; 8 1/8"

FARABEUF (Fig. 1 + 2) SET



062-300-12 Fig. 1 + 2
Fig. 1 26 x 10 mm/34 x 13 mm 12,0 cm; 4 4/8"
Fig. 2 30 x 10 mm/34 x 13 mm 12,0 cm; 4 4/8"

FARABEUF (Fig. 1 + 2) SET



062-302-15 Fig. 1 + 2
Fig. 1 23 x 16 mm/26 x 16 mm 15,0 cm; 5 7/8"
Fig. 2 27 x 16 mm/30 x 16 mm 15,0 cm; 5 7/8"

Art.Nr.	Beschreibung | *Description*

ROUX (Fig. 1 - 3)

SET

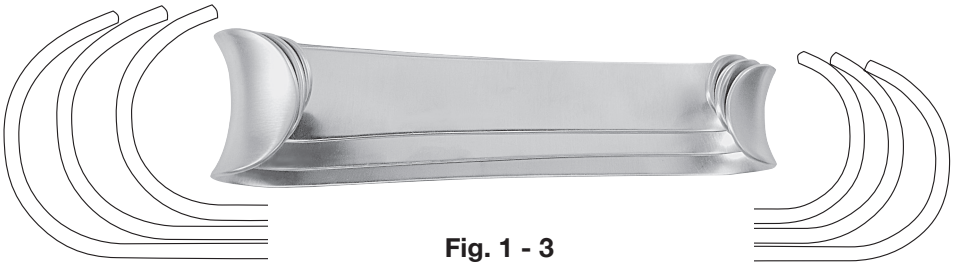


Fig. 1 - 3

062-310-00	Fig. 1 - 3		
062-310-01	Fig. 1	22 x 21 mm/27 x 29 mm;	14,5 cm; 5 6/8"
062-310-02	Fig. 2	25 x 26 mm/30 x 38 mm;	16,0 cm; 6 2/8"
062-310-03	Fig. 3	28 x 29 mm/33 x 43 mm;	17,0 cm; 6 6/8"

MINI-ROUX



062-340-06	14,0 cm; 5 4/8"

BABY-ROUX



062-342-13	12,5 cm; 4 7/8"

Art.Nr.	Beschreibung | *Description*

PARKER (Fig. 1 + 2)

SET



062-350-00 **Fig. 1 + 2**

Fig. 1	**19 x 15 mm/19 x 15 mm**	**14,0 cm; 5 4/8"**
Fig. 2	**22 x 15 mm/22 x 15 mm**	**14,0 cm; 5 4/8"**

PARKER (Fig. 1 + 2)

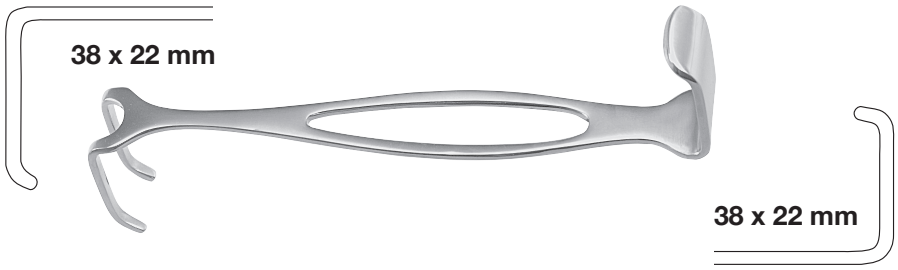
SET



062-351-00 **Fig. 1 + 2**

Fig. 1	**26 x 25 mm/27 x 15 mm**	**18,5 cm; 7 2/8"**
Fig. 2	**29 x 25 mm/27 x 25 mm**	**18,5 cm; 7 2/8"**

CZERNY



062-360-00 **17,5 cm; 6 7/8"**

Art.Nr.	Beschreibung | *Description*

MATHIEU (Fig. 1 + 2)

SET



062-380-00	Fig. 1 + 2		
	Fig. 1	42 x 13 mm/42 x 26 mm	20,0 cm; 7 7/8"
	Fig. 2	47 x 13 mm/46 x 26 mm	20,0 cm; 7 7/8"

PARKER-LANGENBECK (US ARMY) – (Fig. 1 + 2)

SET



062-390-00	Fig. 1 + 2		
	Fig. 1	21 x 15 mm/40 x 15 mm	21,0 cm; 8 4/8"
	Fig. 2	25 x 15 mm/45 x 15 mm	21,0 cm; 8 4/8"

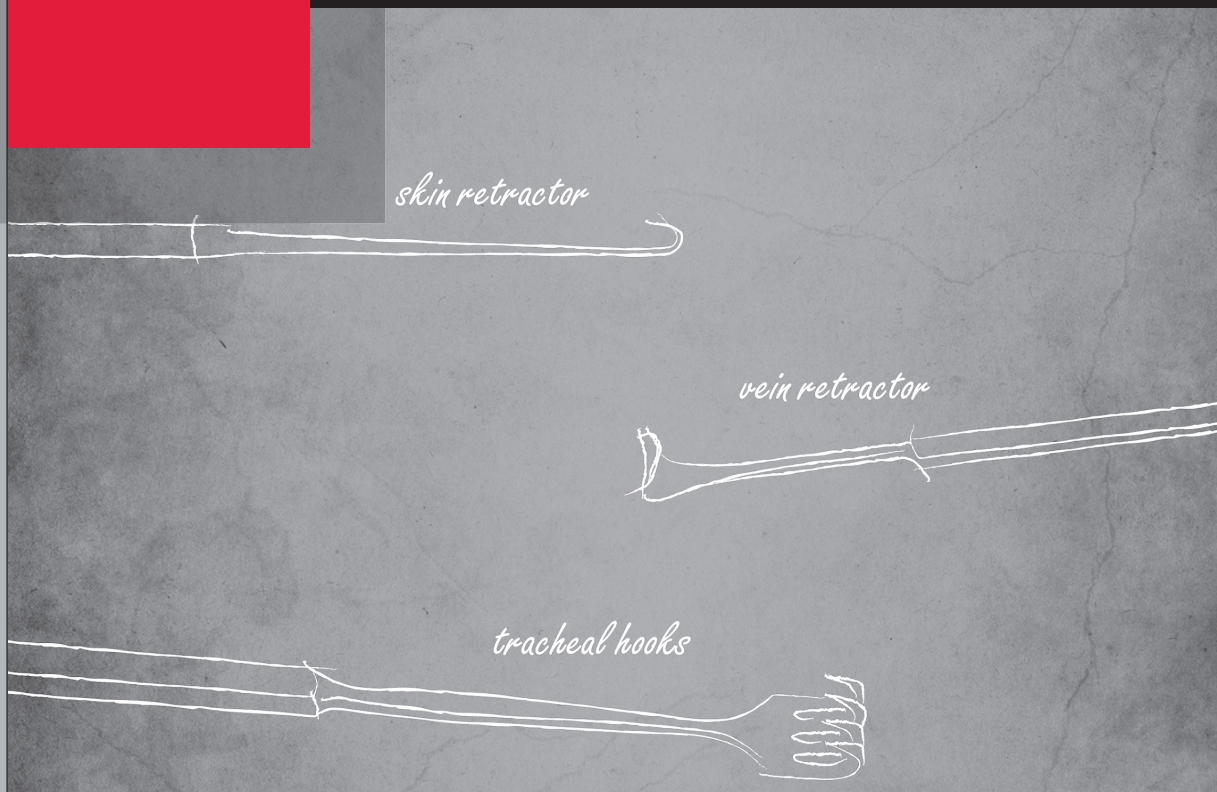
GOELET



062-396-19 19,0 cm; 7 4/8"

TONTARRA

OPEN SURGERY



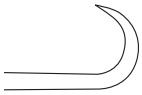
Wundhaken
Retractors
Separadores
Ecarteurs
Divaricatori

064

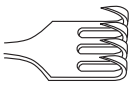
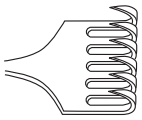
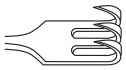
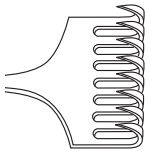
Art.Nr.	Beschreibung | *Description*

VOLKMANN — **23,0 cm; 9,2"**

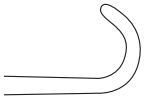


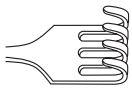
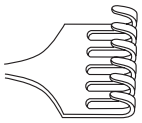
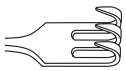
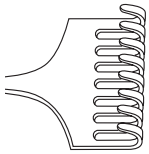


scharf | sharp | agudo | pointu | acuto

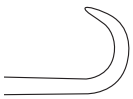
064-001-01		064-001-04	
064-001-02		064-001-06	
064-001-03		064-001-08	

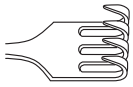
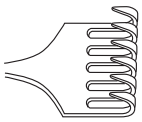
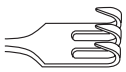
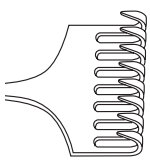
stumpf | blunt | romo | mousse | smusso



064-002-01		064-002-04	
064-002-02		064-002-06	
064-002-03		064-002-08	

halbscharf | semi-sharp | semi-agudo | semi-pointu | semi-acuto

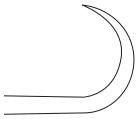


064-003-01		064-003-04	
064-003-02		064-003-06	
064-003-03		064-003-08	

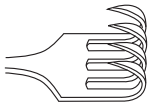
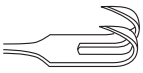
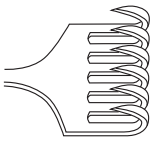
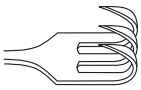
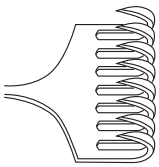
Art.Nr.	Beschreibung | *Description*

KOCHER — **22,0 cm; 8 5/8"**

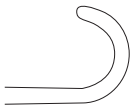


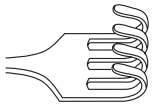
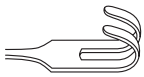
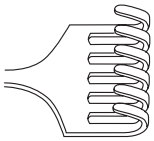
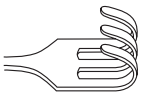
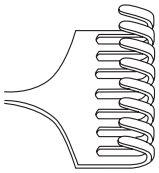


scharf | sharp | agudo | pointu | acuto

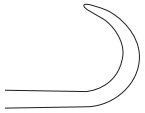
064-011-01		**064-011-04**	
064-011-02		**064-011-06**	
064-011-03		**064-011-08**	

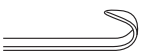
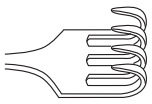
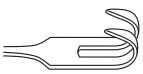
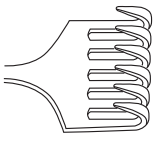
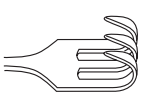
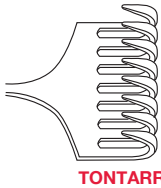
stumpf | blunt | romo | mousse | smusso



064-012-01		**064-012-04**	
064-012-02		**064-012-06**	
064-012-03		**064-012-08**	

halbscharf | semi-sharp | semi-agudo | semi-pointu | semi-acuto



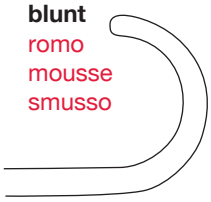
064-013-01		**064-013-04**	
064-013-02		**064-013-06**	
064-013-03		**064-013-08**	

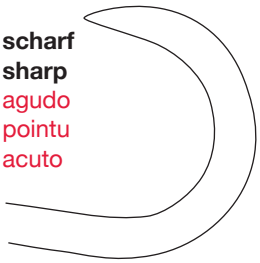
Art.Nr.	Beschreibung | *Description*	
	VOLKMANN	**21,5 cm; 8 4/8"**



064-004-01	**scharf** **sharp** agudo pointu acuto	**064-005-01**	**stumpf** **blunt** romo mousse smusso	**064-006-01**	**scharf** **sharp** agudo pointu acuto





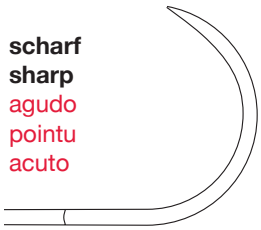


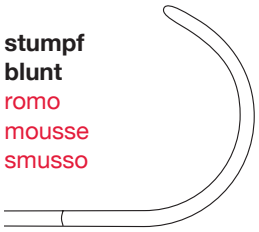
	KOERTE	**24,5 cm; 9 5/8"**



26 x 40 mm

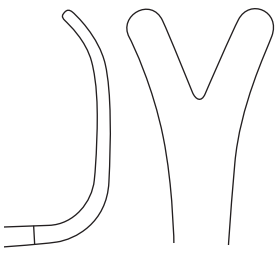
064-021-24	**scharf** **sharp** agudo pointu acuto	**064-022-24**	**stumpf** **blunt** romo mousse smusso





064-027-02	**WASSMUND**	**22,5 cm; 8 7/8"**

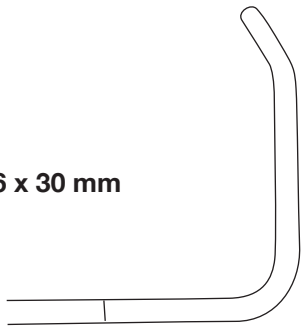




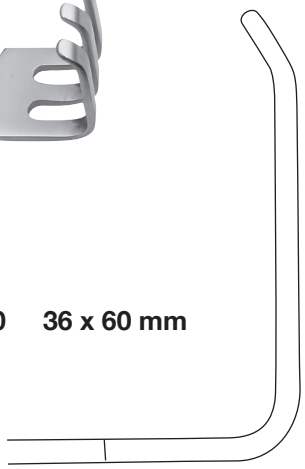
33 x 20 mm

Art.Nr.	Beschreibung | *Description*	
	OLLIER	**24,5 cm; 9 5/8"**





064-028-30 **36 x 30 mm**



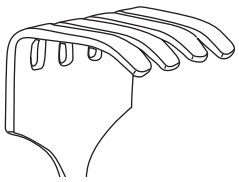
064-028-60 **36 x 60 mm**

	ISRAEL	**24,5 cm; 9 5/8"**

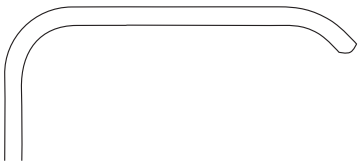


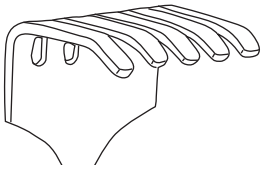
064-032-04 **40 x 40 mm**





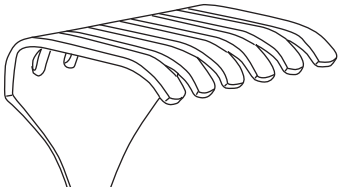
064-032-05 **45 x 50 mm**



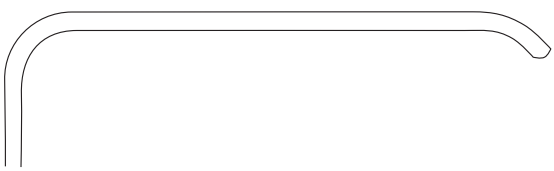


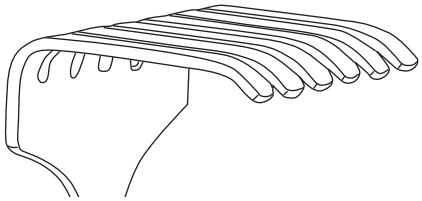
064-032-06 **50 x 60 mm**





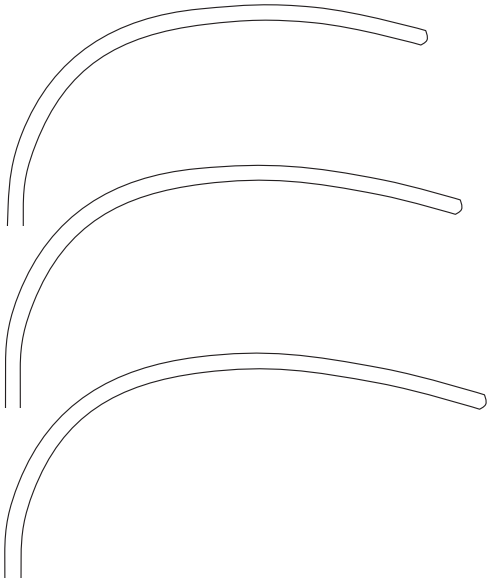
064-032-07 **70 x 70 mm**





Art.Nr.	Beschreibung | *Description*	
	LANGENBECK	**21,0 cm; 8 2/8"**

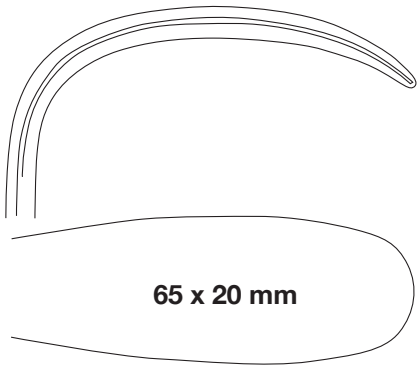




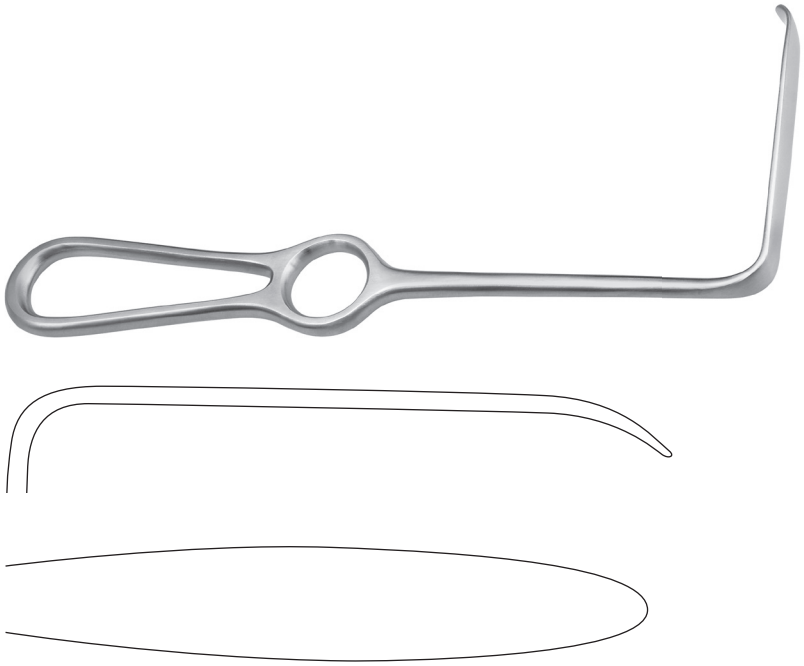
064-100-55	**55 x 20 mm**	
064-100-60	**60 x 20 mm**	
064-100-63	**63 x 20 mm**	

064-115-65	**LANGENBECK**	**21,0 cm; 8 2/8"**



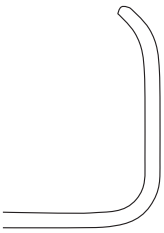


Art.Nr.	Beschreibung | *Description*	
064-125-85	**LANGENBECK**	**22,5 cm; 8 7/8"**



064-160-19	**LAHEY**	**19,5 cm; 7 5/8"**

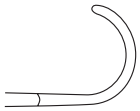




28 x 6 mm

064-164-20	**LITTLE**	**20,0 cm; 8"**

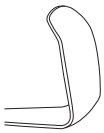




12 x 14 mm

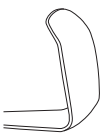
Art.Nr.	Beschreibung | *Description*	
	LANGENBECK	**22,0 cm; 8 5/8"**



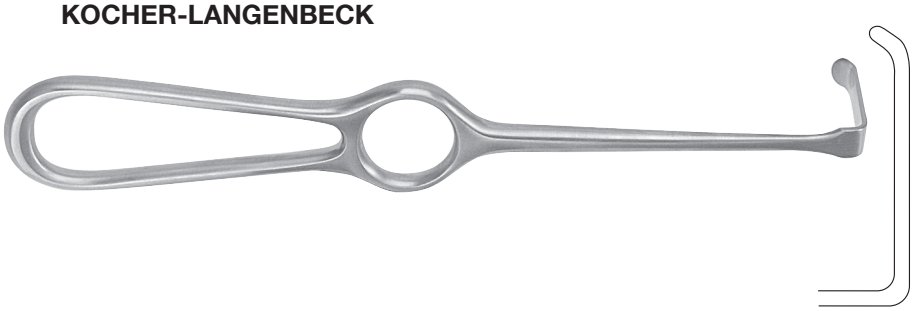
064-110-30	30 x 11 mm		064-110-40	40 x 11 mm	
064-110-31	30 x 14 mm				
064-110-32	30 x 16 mm		064-110-50	50 x 11 mm	

LANGENBECK	**22,0 cm; 8 5/8"**



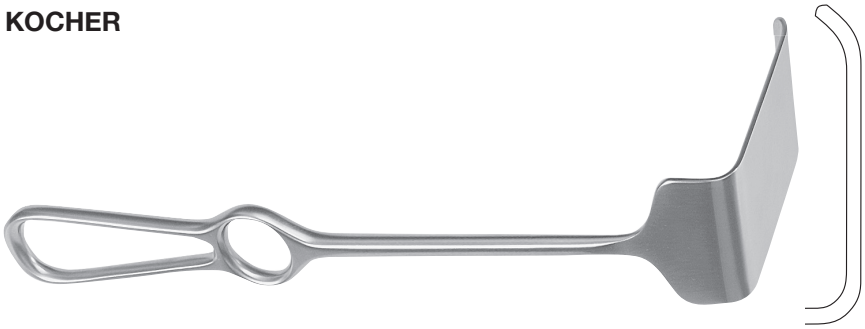
064-120-30	30 x 11 mm		064-120-40	40 x 11 mm	
064-120-31	30 x 14 mm				
064-120-32	30 x 16 mm		064-120-50	50 x 11 mm	

Art.Nr.	Beschreibung | *Description*	
	KOCHER-LANGENBECK	**21,5 cm; 8 4/8"**



064-130-25	25 x 6 mm
064-130-26	25 x 8 mm
064-130-35	35 x 8 mm
064-130-36	35 x 11 mm
064-130-37	35 x 15 mm
064-130-40	40 x 11 mm
064-130-55	55 x 11 mm
064-130-70	70 x 15 mm
064-130-80	80 x 12 mm
064-130-85	80 x 15 mm

Art.Nr.	Beschreibung | *Description*	
	KOCHER	**23,0 cm; 9"**



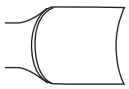
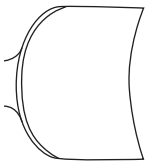
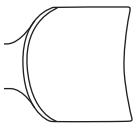
064-140-18	**40 x 18 mm**
064-140-20	**60 x 20 mm**
064-140-25	**60 x 25 mm**
064-140-30	**75 x 30 mm**
064-140-40	**75 x 40 mm**

Art.Nr.	Beschreibung | *Description*	
	SAUERBRUCH	**22,5 cm; 8 7/8"**
064-150-44	**44 x 16 mm**	
064-150-55	**55 x 22 mm**	
064-150-72	**72 x 19 mm**	
	KOCHER	**21,5 cm; 8 4/8"**
064-170-01	**22 x 12 mm**	
064-170-02	**24 x 14 mm**	

Art.Nr.	Beschreibung | *Description*

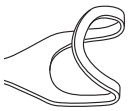
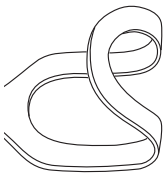
KOCHER



064-175-01	40 x 10 mm 22,0 cm; 8 5/8"		064-175-03	40 x 20 mm 23,0 cm; 9"	
064-175-02	40 x 15 mm 23,0 cm; 9"				

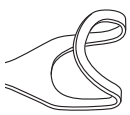
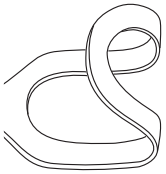
MIDDELDORPF



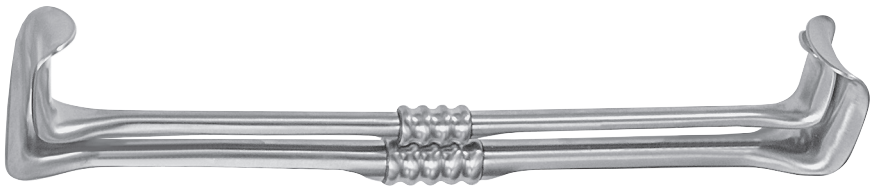
064-180-01	14 x 17 mm 22,0 cm; 8 5/8"		064-180-03	26 x 31 mm 24,0 cm; 9 4/8"	
064-180-02	20 x 22 mm 23,0 cm; 9"				

MIDDELDORPF



064-182-01	14 x 17 mm 22,0 cm; 8 5/8"		064-182-03	26 x 31 mm 24,0 cm; 9 4/8"	
064-182-02	20 x 22 mm 23,0 cm; 9"				

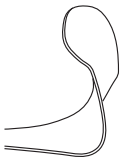
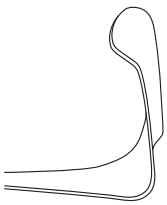
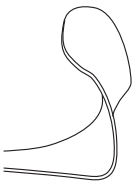
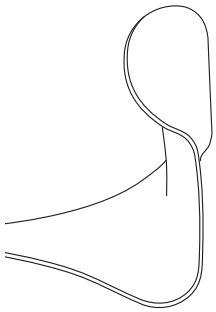
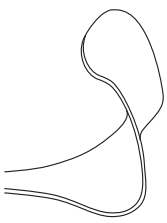
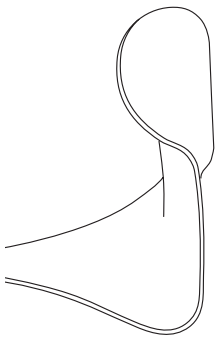
Art.Nr.	Beschreibung | *Description*	
064-200-00	**RICHARDSON-EASTMAN (Fig. 1 + 2)**	SET



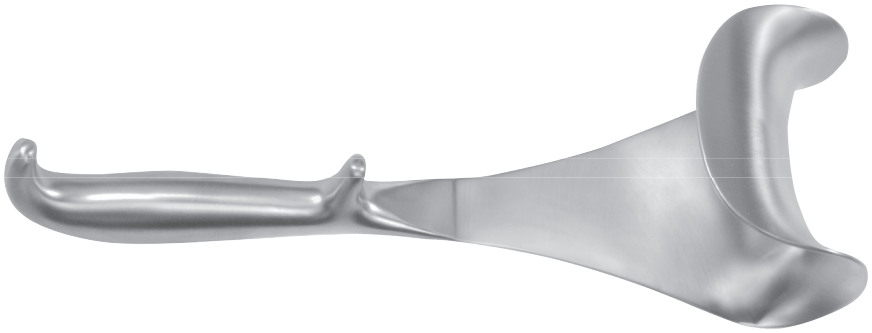
064-200-01	**Fig. 1: 25 x 20 mm/30 x 28 mm; 26,0 cm; 10 2/8"**
064-200-02	**Fig. 2: 43 x 38 mm/63 x 44 mm; 28,0 cm; 11"**

RICHARDSON (KELLY) **24,0 cm; 9 4/8"**



064-210-02	28 x 20 mm		064-210-05	52 x 22 mm	
064-210-03	36 x 28 mm		064-210-06	65 x 50 mm	
064-210-04	44 x 38 mm		064-210-07	70 x 65 mm	

Art.Nr.	Beschreibung | *Description*	
064-230-50	**DOYEN**	**24,0 cm; 9 4/8"**



50 x 85 mm

Art.Nr.	Beschreibung | *Description*	
064-250-70	**KOCHER**	**23,5 cm; 9 2/8"**



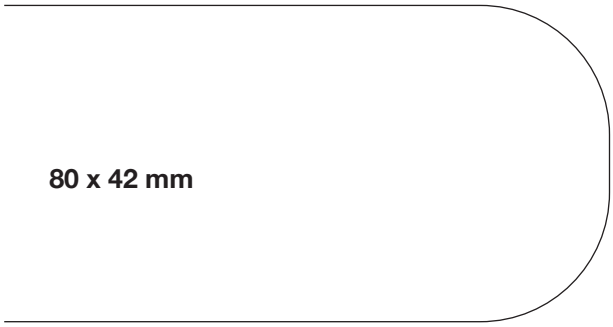




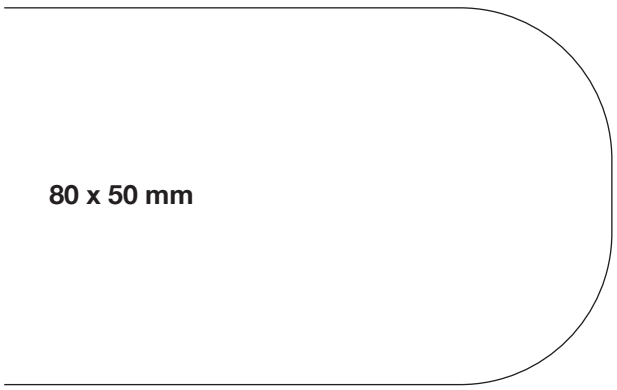
Art.Nr.	Beschreibung | *Description*	
	KOCHER	**25,0 cm; 9 7/8"**



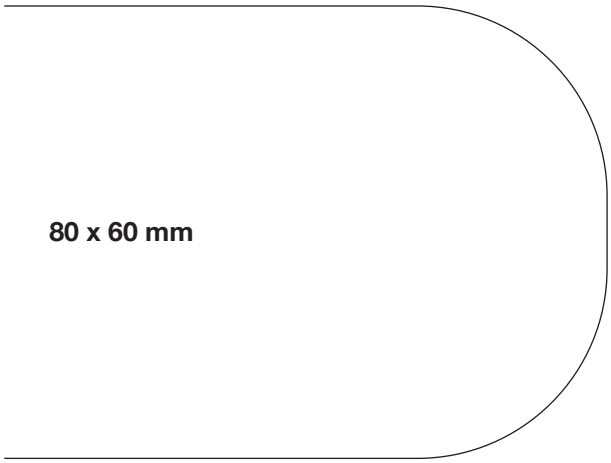




064-250-81	**80 x 42 mm**



064-250-82	**80 x 50 mm**



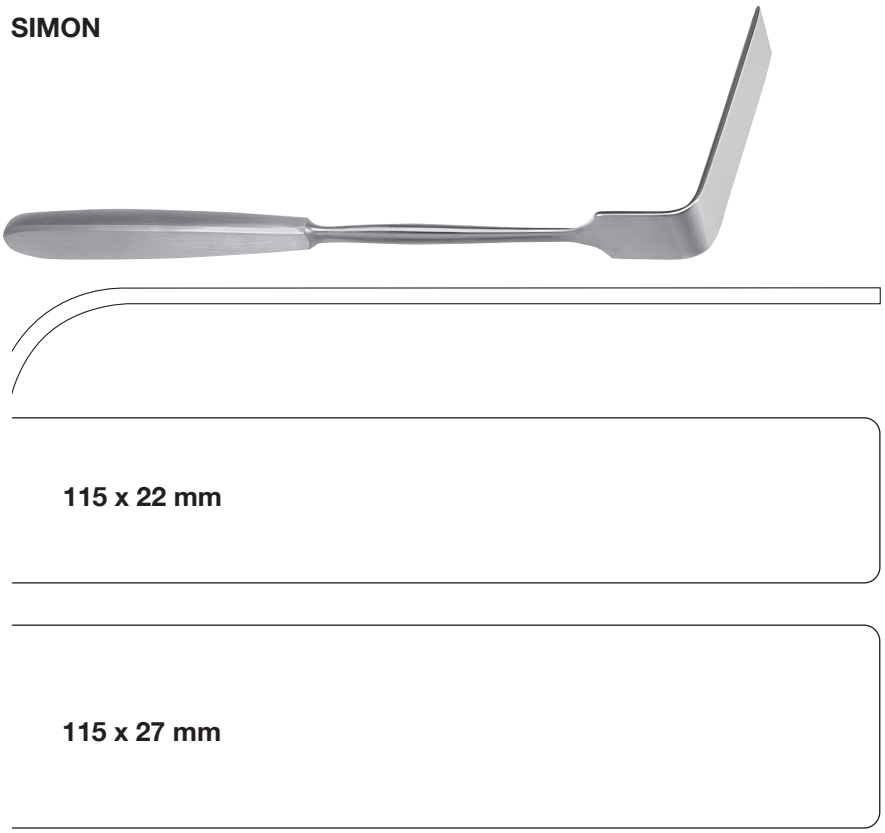
064-250-83	**80 x 60 mm**

Art.Nr.	Beschreibung | *Description*	
	FRITSCH	**24,0 cm; 9 4/8"**

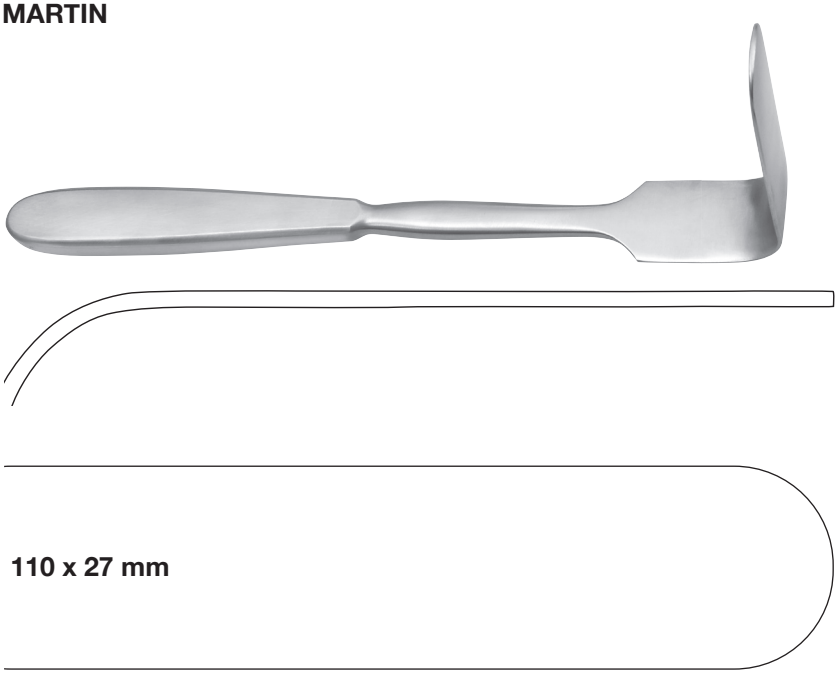


064-240-40	**32 x 40 mm**
064-240-50	**40 x 50 mm**
064-240-60	**40 x 60 mm**
064-240-75	**45 x 75 mm**
064-240-85	**65 x 85 mm**

Art.Nr.	Beschreibung | *Description*	
	SIMON	**28,0 cm; 11"**



064-260-01	**115 x 22 mm**	
064-260-02	**115 x 27 mm**	
064-264-25	**MARTIN**	**26,5 cm; 10 3/8"**

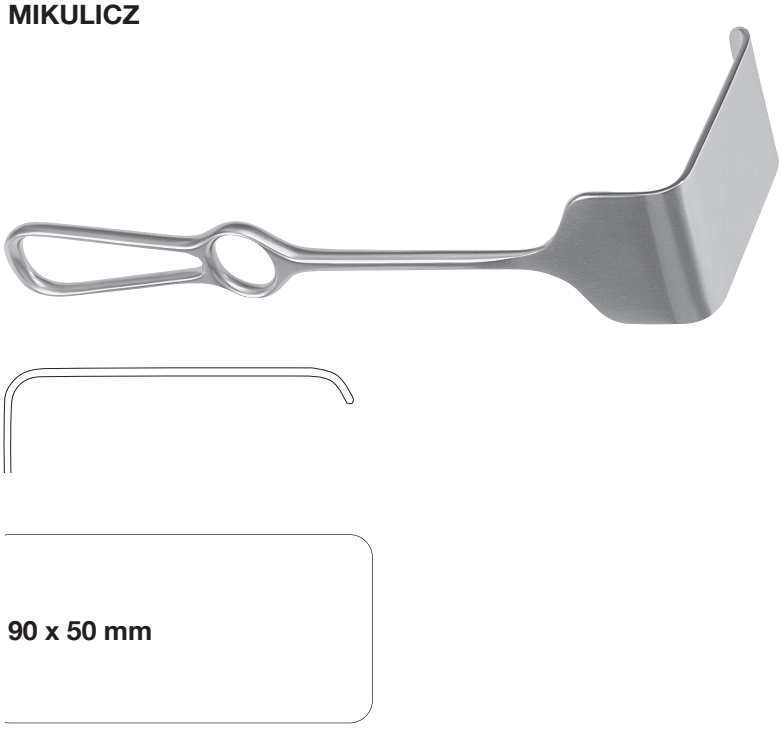


110 x 27 mm

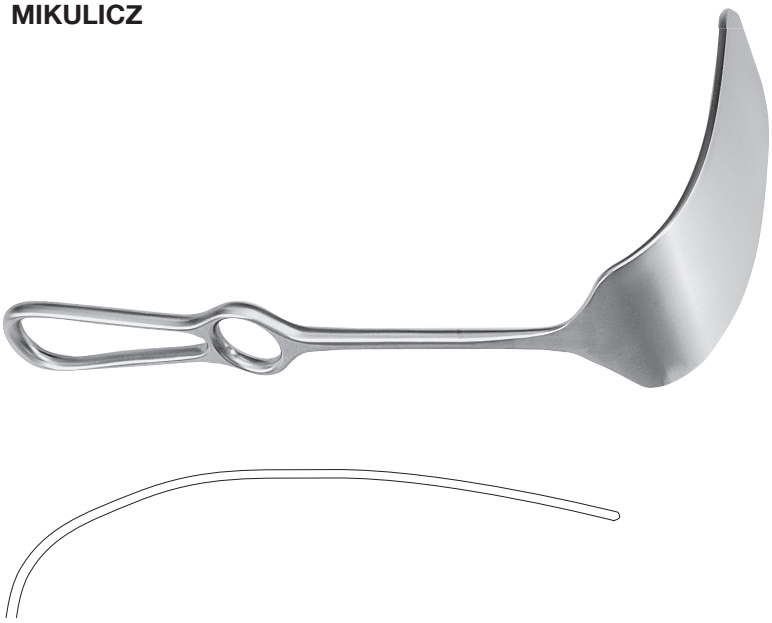
Art.Nr.	Beschreibung | *Description*	
064-394-25	**SAUERBRUCH** **gefenstert | fenestrated** fenestrado | fenêtre | finestrata	25,5 cm; 10"



064-272-90	**MIKULICZ**	26,0 cm; 10 7/8"

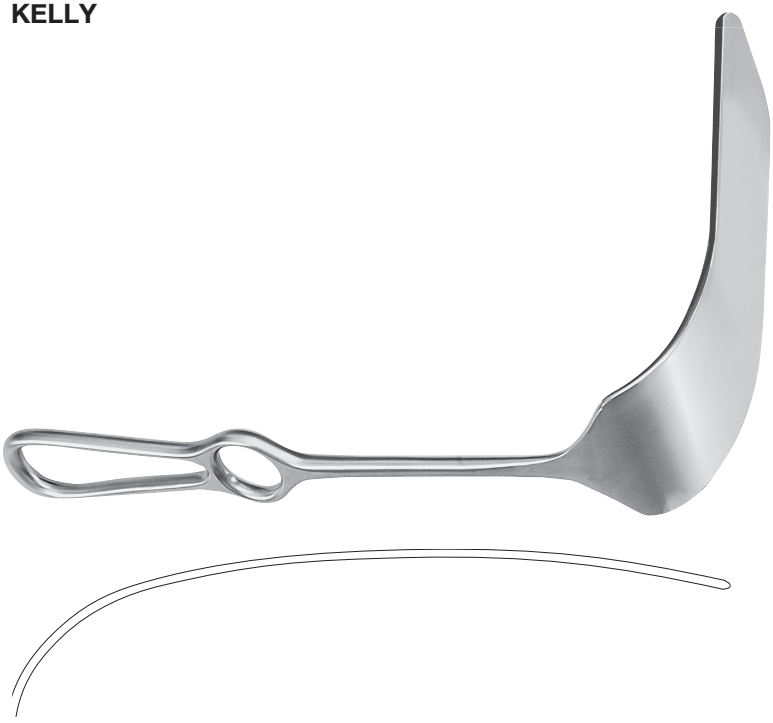


Art.Nr.	Beschreibung | *Description*	
	MIKULICZ	**25,0 cm; 9 7/8"**



064-274-01	**85 x 35 mm**
064-274-02	**120 x 50 mm**

Art.Nr.	Beschreibung | *Description*	
	KELLY	**28,0 cm; 11"**

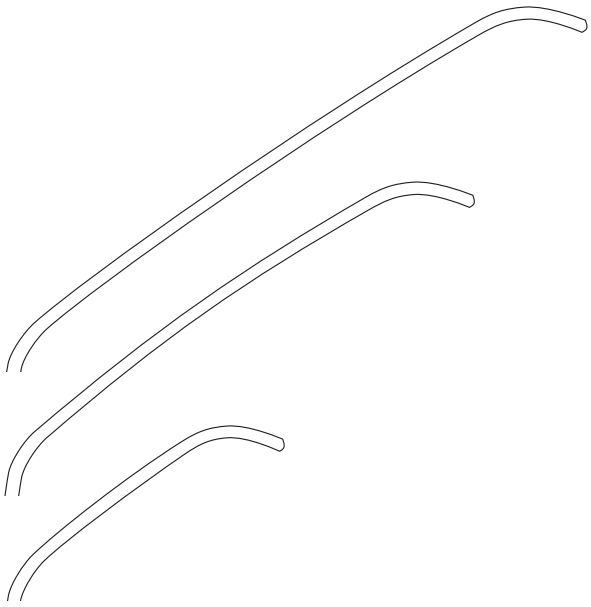


064-280-61	160 x 38 mm
064-280-62	160 x 57 mm
064-280-91	190 x 38 mm
064-280-92	190 x 57 mm

Art.Nr.	Beschreibung | *Description*

ZENKER

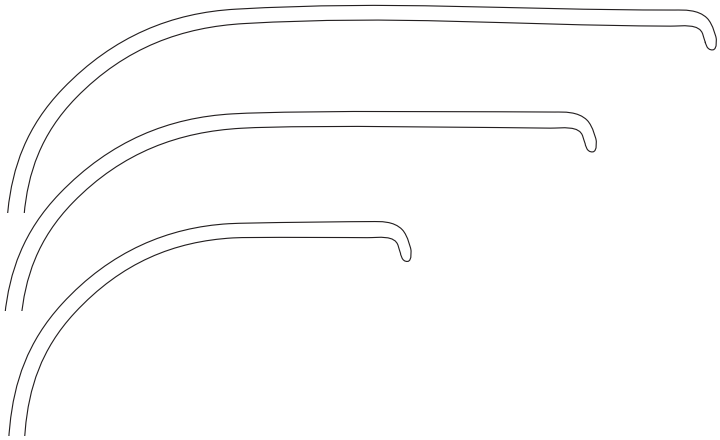




064-320-27	75 x 12 mm 27,5 cm; 10 6/8"
064-320-26	60 x 12 mm 26,5 cm; 10 2/8"
064-320-25	35 x 8 mm 25,0 cm; 9 3/4"

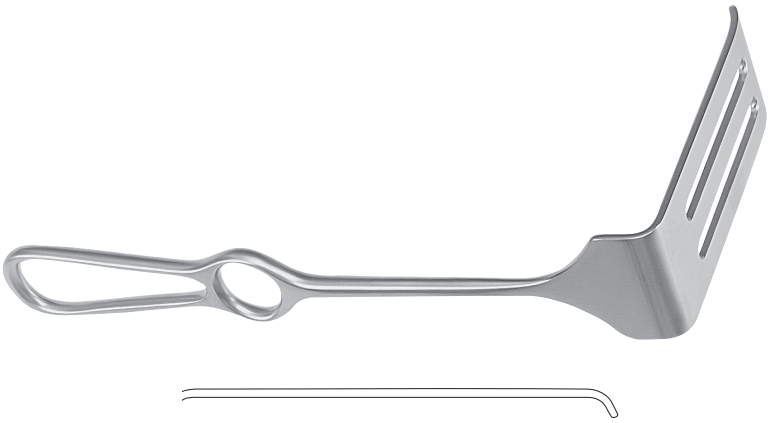
MEYERDING 22,5 cm; 8 7/8"

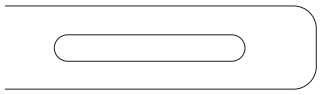
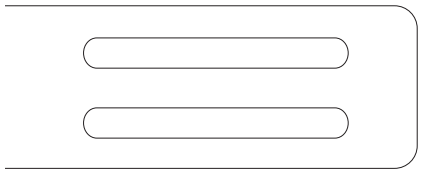




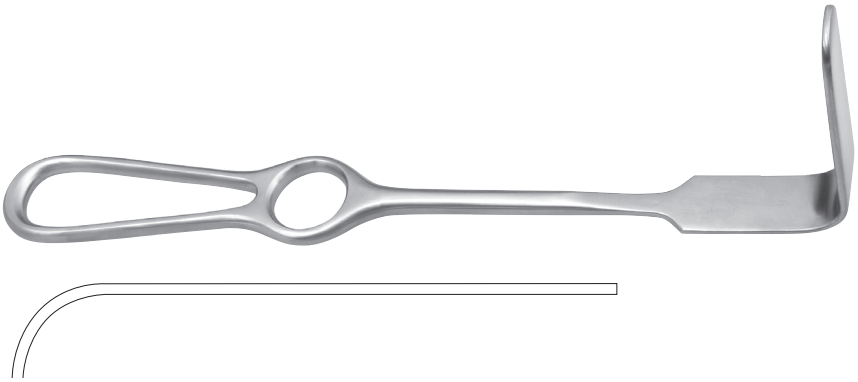
064-350-50	90 x 50 mm
064-350-25	75 x 25 mm
064-350-16	50 x 16 mm

Art.Nr.	Beschreibung | *Description*	
	CORYLLOS	**24,0 cm; 9 4/8"**
	gefenstert | fenestrated | fenestrado | fenêtre | finestrata	



064-390-01	**82 x 22 mm**	
064-390-02	**108 x 43 mm**	
064-390-03	**115 x 65 mm**	

Art.Nr.	Beschreibung | *Description*	
	BRUNNER	**25,5 cm; 10"**



064-365-08	80 x 20 mm
064-365-10	100 x 25 mm
064-365-12	120 x 25 mm
064-365-13	130 x 30 mm
064-365-14	140 x 25 mm
064-365-16	160 x 30 mm
064-365-18	180 x 30 mm

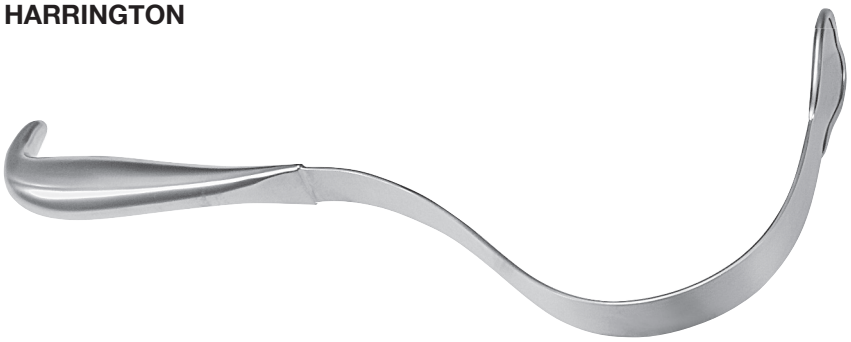
Art.Nr.	Beschreibung | *Description*	
	BRUNNER	**25,5 cm; 10"**

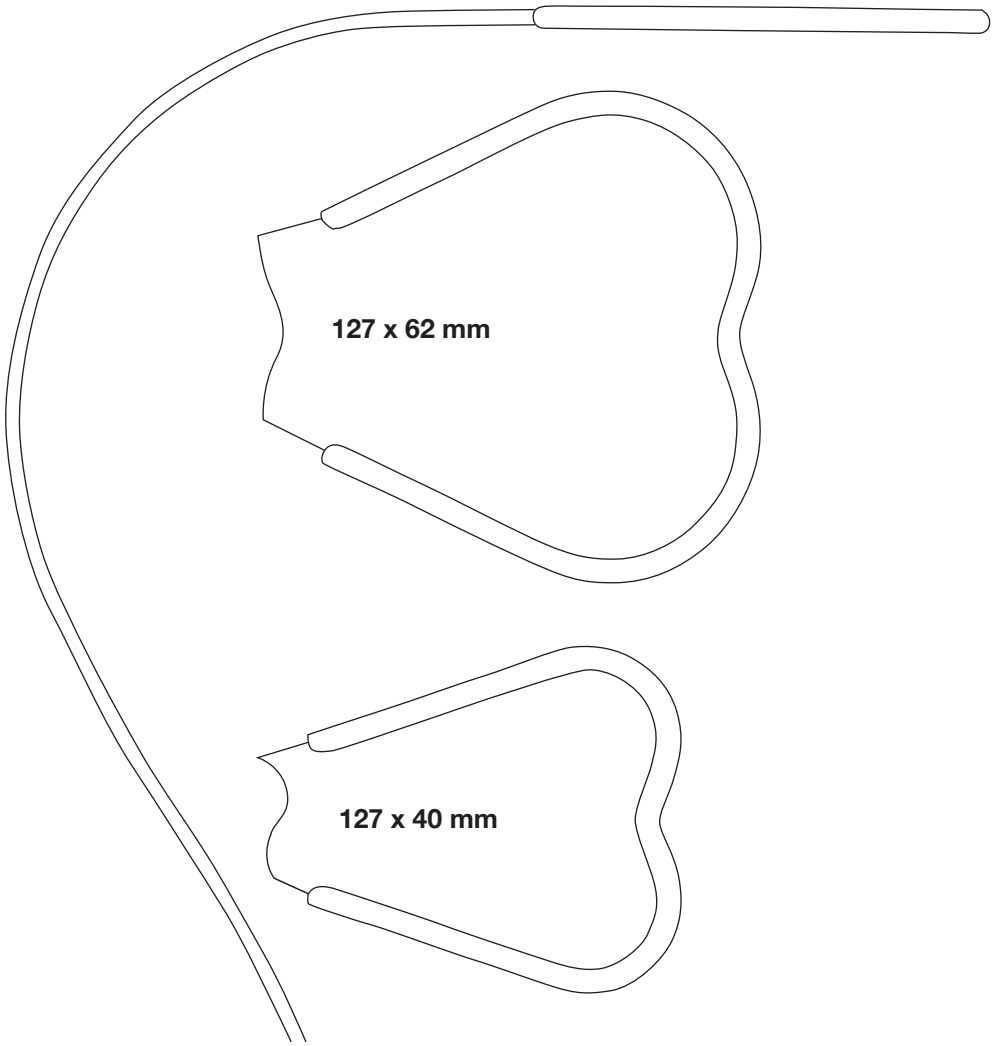




064-370-08	80 x 20 mm
064-370-10	100 x 20 mm
064-370-12	120 x 25 mm
064-370-14	140 x 25 mm
064-370-16	160 x 30 mm
064-370-18	180 x 30 mm

Art.Nr.	Beschreibung | *Description*	
	HARRINGTON	**33,0 cm; 13"**





064-500-62	**127 x 62 mm**
064-500-40	**127 x 40 mm**

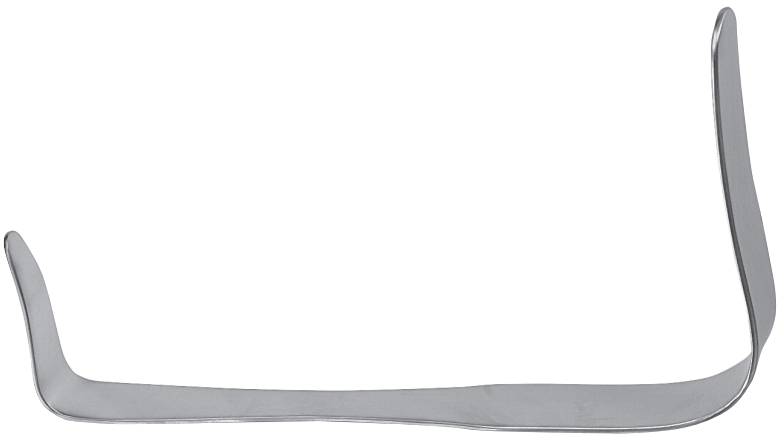
Art.Nr.	Beschreibung | *Description*	
064-602-18	**DEAVER**	**18,0 cm; 7 7/8"** **19,0 mm**



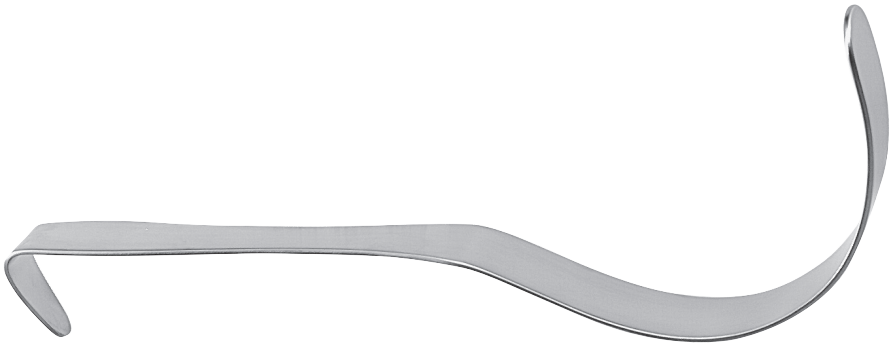
064-602-22	**DEAVER**	**21,5 cm; 8 4/8"** **22,0 mm**



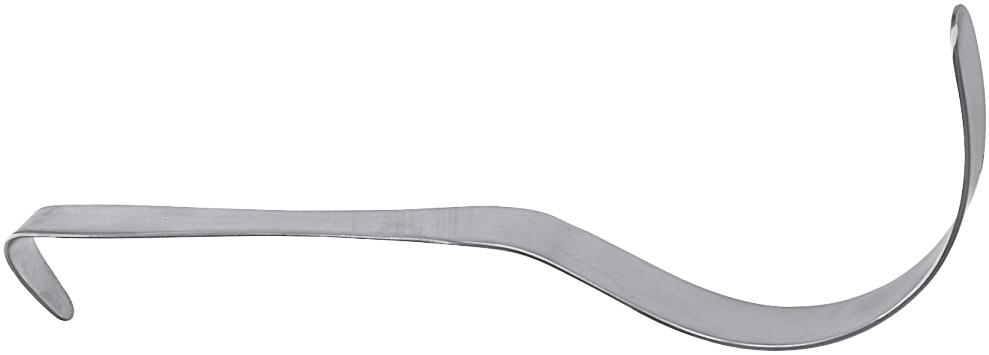
064-602-23	**DEAVER**	**23,0 cm; 9 5/8"** **25,0 mm**



Art.Nr.	Beschreibung | *Description*	
064-604-30	**DEAVER**	**30,5 cm; 12"** **25,0 mm**



064-604-33	**DEAVER**	**33,5 cm; 13 2/8"** **25,0 mm**



064-604-36	**DEAVER**	**34,5 cm; 13 5/8"** **25,0 mm**



Art.Nr.	Beschreibung | *Description*	
064-610-38	**DEAVER**	**30,0 cm; 12"** **38,0 mm**



Art.Nr.	Beschreibung | *Description*	
064-610-50	**DEAVER**	**31,5 cm; 12 3/8"** **50,0 mm**



Art.Nr.	Beschreibung | *Description*	
064-610-75	**DEAVER**	**31,5 cm; 12 3"** **75,0 mm**

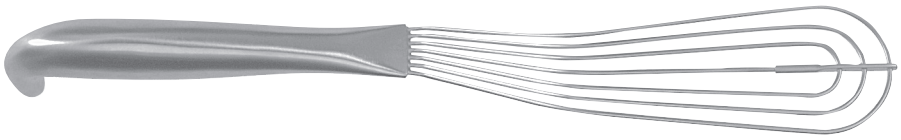


Art.Nr.	Beschreibung | *Description*	
	DEAVER GRIP	**31,5 cm; 12 3/8"**

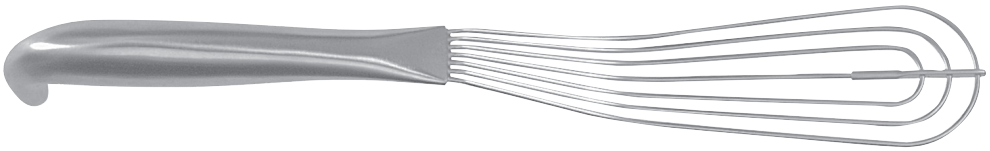


064-600-25	25 mm
064-600-38	38 mm
064-600-50	50 mm
064-600-75	75 mm

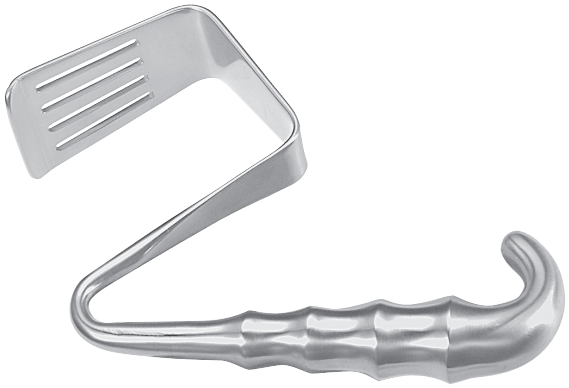
Art.Nr.	Beschreibung | *Description*		
064-700-30	**ALLISON**	**Lungenspatel** **Lung spatula** Espátula pulmonar Spatule pulmonaire Spatole per polmone	**29,5 cm; 11 5/8"** **40 mm**



Art.Nr.	Beschreibung | *Description*		
064-700-32	**ALLISON**	**Lungenspatel** **Lung spatula** Espátula pulmonar Spatule pulmonaire Spatole per polmone	**33,0 cm; 13"** **54 mm**



Art.Nr.	Beschreibung | *Description*		
	DAVIDSON	**Scapula-Haken** **Scapula retractor** Separador para escápula Ecarteur pour scapula Divaricatore per scapola	**19,0 cm; 7 4/8"**
064-710-50	**75 x 50 mm**		
064-710-90	**75 x 90 mm**		



	CRAWFORD	**Aortahaken** **Aorta Retractors** Separadores para áorta Ecarteur pour aorta Divaricatore per aorta	**19,0 cm; 7 4/8"**
064-808-01	**15 x 15 mm**		
064-808-02	**15 x 23 mm**		



Art.Nr.	Beschreibung | *Description*	
064-806-01	**COOLEY** **rechts | right** | derecho | droite | destro	**25,0 cm; 9 7/8"** **48 x 48 mm**



064-806-02	**COOLEY** **rechts; gerieft | right; serrated** derecho; estriado | droite; cannelé | destro; zigrinato	**25,0 cm; 9 7/8"** **48 x 48 mm**



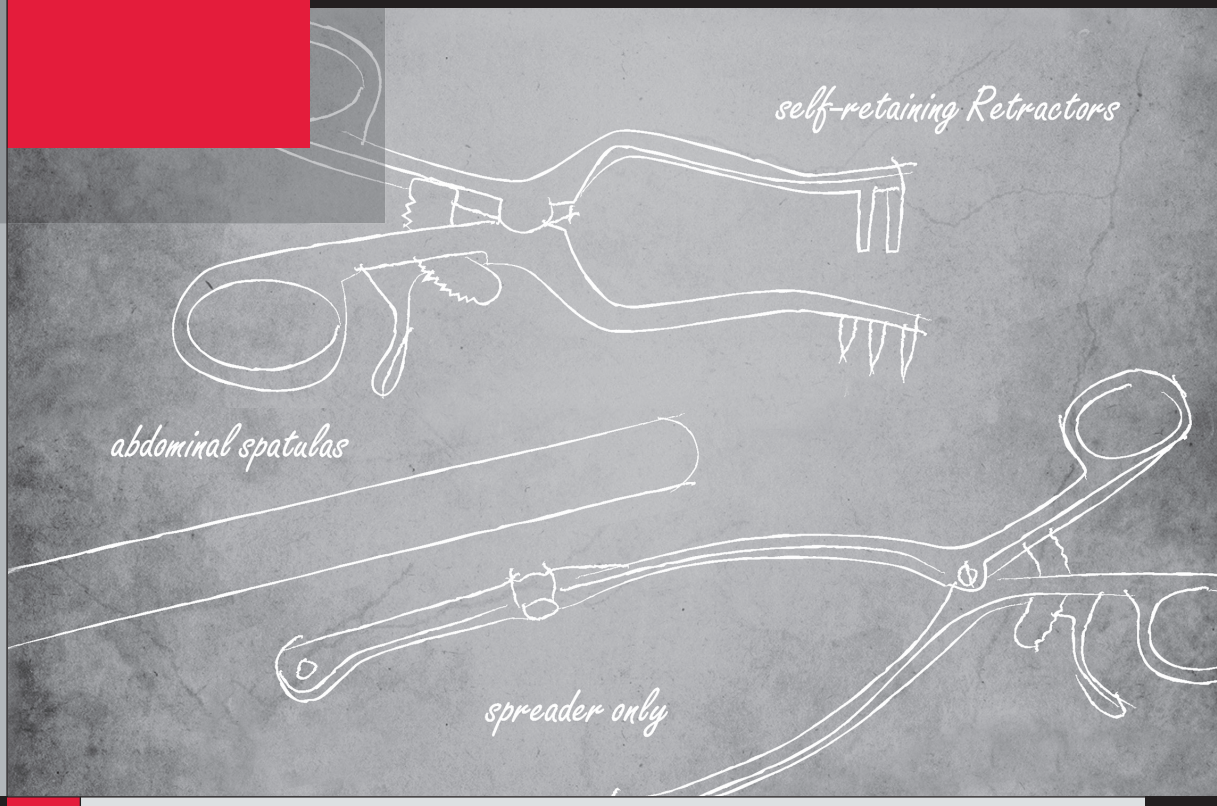
064-806-03	**COOLEY** **links | left** | izquierdo | gauche | sinistro	**27,5 cm; 10 7/8"** **30 x 48 mm**



Art.Nr.	Beschreibung | *Description*	
	ST. MARKS	
		
064-720-02	33,0 cm; 13"	180 x 60 mm
064-721-02	33,0 cm; 13"	180 x 60 mm
064-720-01	29,0 cm; 11 1/2"	130 x 60 mm
064-721-01	29,0 cm; 11 1/2"	130 x 60 mm

TONTARRA

OPEN SURGERY



Wundspreizer

Self-Retaining Retractors

Separadores autoestáticos

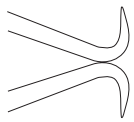
Ecarteurs autostatiques

Divaricatori autostatici

070

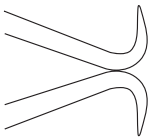
Art.Nr.	Beschreibung | *Description*
	GELPI
070-202-09	9,0 cm; 3 1/2"
070-202-11	11,0 cm; 4 3/8"
070-202-14	13,5 cm; 5 3/8"





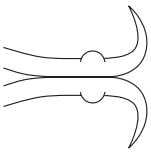
	GELPI
070-202-19	19,0 cm; 7 4/8"





	GELPI-LOKTITE
070-250-19	19,0 cm; 7 4/8"



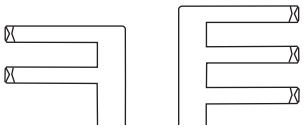


Art.Nr.	Beschreibung | *Description*		
	WEITLANER-LOKTITE		**10,5 cm; 4 1/8"**

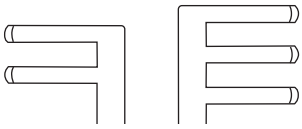


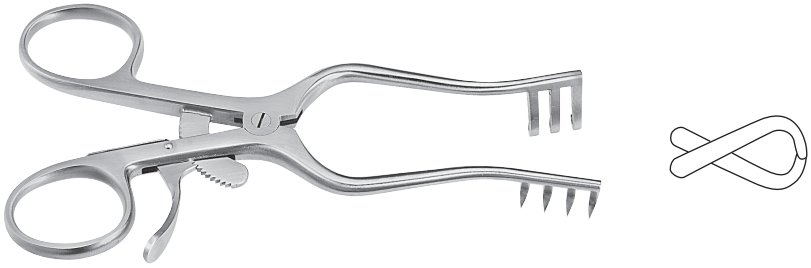
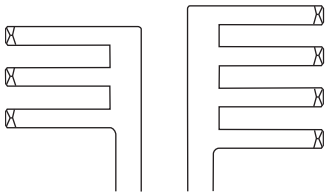
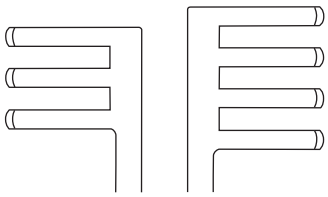
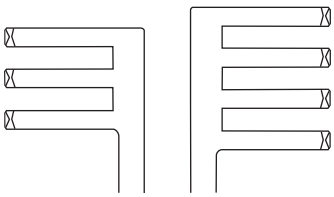
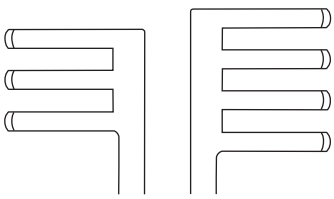


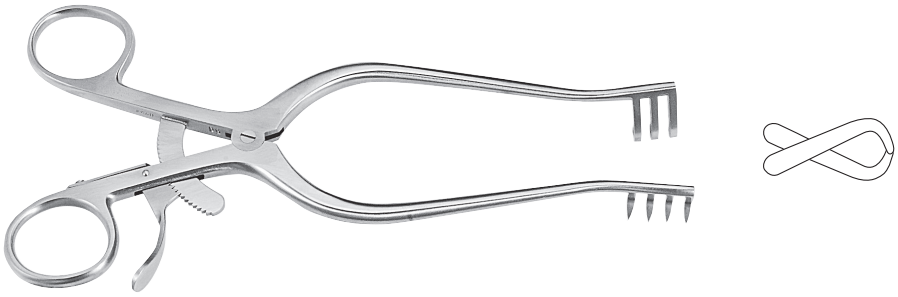
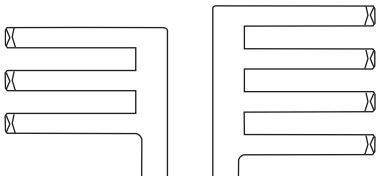
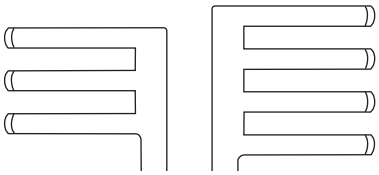
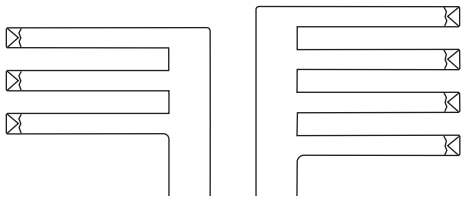
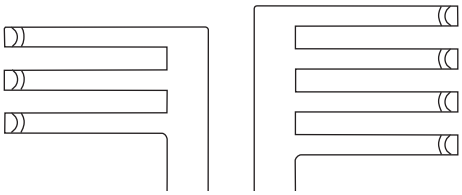
070-670-10	**scharf | sharp** agudo | pointu | acuto	**2 x 3**	



070-671-10	**stumpf | blunt** romo | mousse | smusso	**2 x 3**	

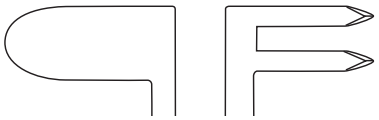
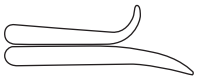
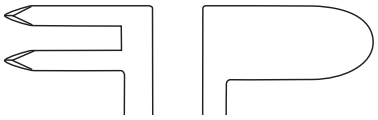


Art.Nr.	Beschreibung | *Description*			
	WEITLANER			
				
070-670-13	**scharf | sharp** agudo | pointu | acuto	**3 x 4**		**13,0 cm; 5 1/8"**
070-671-13	**stumpf | blunt** romo | mousse | smusso	**3 x 4**		**13,0 cm; 5 1/8"**
070-670-16	**scharf | sharp** agudo | pointu | acuto	**3 x 4**		**16,5 cm; 6 4/8"**
070-671-16	**stumpf | blunt** romo | mousse | smusso	**3 x 4**		**16,5 cm; 6 4/8"**

Art.Nr.	Beschreibung | *Description*			
	WEITLANER			
				
070-670-20	**scharf | sharp** agudo | pointu | acuto	**3 x 4**		**20,0 cm; 7 7/8"**
070-671-20	**stumpf | blunt** romo | mousse | smusso	**3 x 4**		**20,0 cm; 7 7/8"**
070-670-24	**scharf | sharp** agudo | pointu | acuto	**3 x 4**		**24,0 cm; 9 4/8"**
070-671-24	**stumpf | blunt** romo | mousse | smusso	**3 x 4**		**24,0 cm; 9 4/8"**

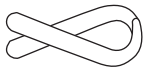
Art.Nr.	Beschreibung | *Description*	
	PLESTER	**11,0 cm; 4 3/8"**
	scharf | **sharp** | agudo | pointu | acuto	

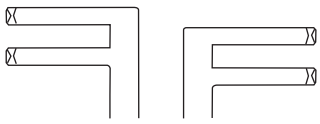
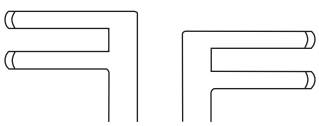


070-672-11		
070-673-11		

Art.Nr.	Beschreibung | *Description*		
	PLESTER		**13,0 cm; 5 1/8"**

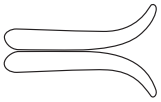




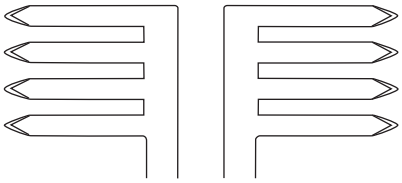
070-830-13	**scharf** | **sharp** agudo | pointu | acuto	**2 x 2**	
070-831-13	**stumpf** | **blunt** romo | mousse | smusso	**2 x 2**	

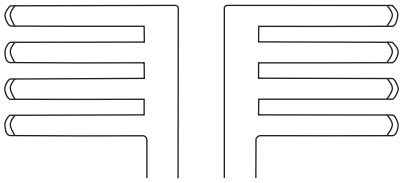
Art.Nr.	Beschreibung | *Description*		
	ANDERSON-ADSON		**20,0 cm; 7 7/8"**





070-678-20	**scharf | sharp** agudo | pointu | acuto	**4 x 4**	
070-679-20	**stumpf | blunt** romo | mousse | smusso	**4 x 4**	

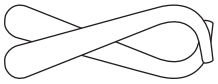


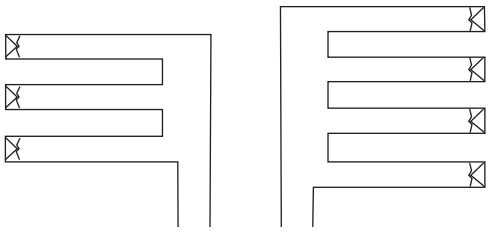
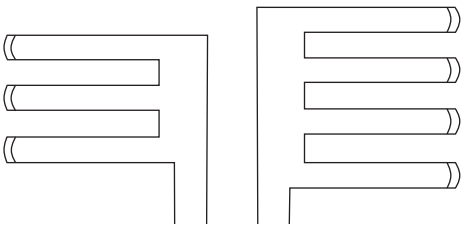


Art.Nr.	Beschreibung | *Description*			

ADSON



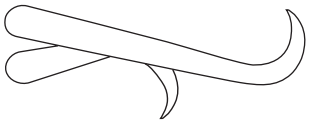


070-682-26	**scharf** **sharp** agudo pointu acuto	**3 x 4**		**28,0 cm; 11"**
070-683-26	**stumpf** **blunt** romo mousse smusso	**3 x 4**		**28,0 cm; 11"**

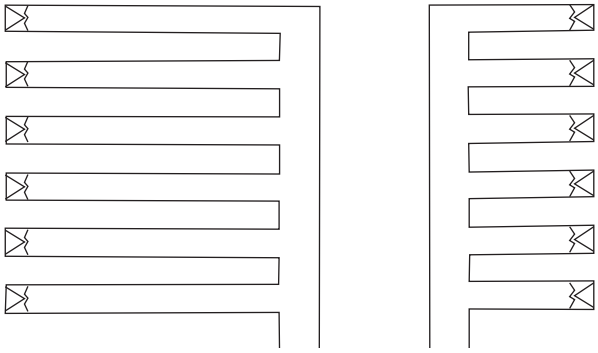
Art.Nr.	Beschreibung | *Description*	
	ADSON	**28,0 cm; 11"**
	scharf | sharp | agudo | pointu | acuto	



070-686-01

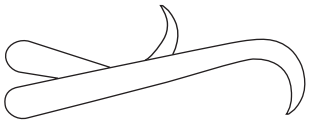


6 x 6

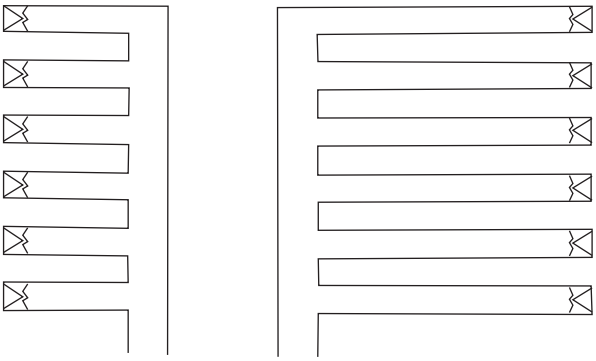


lange Zähne links
long teeth on left side
dientes largos a la izquierda
griffes longues à gauche
denti lunghe a sinistra

070-686-02



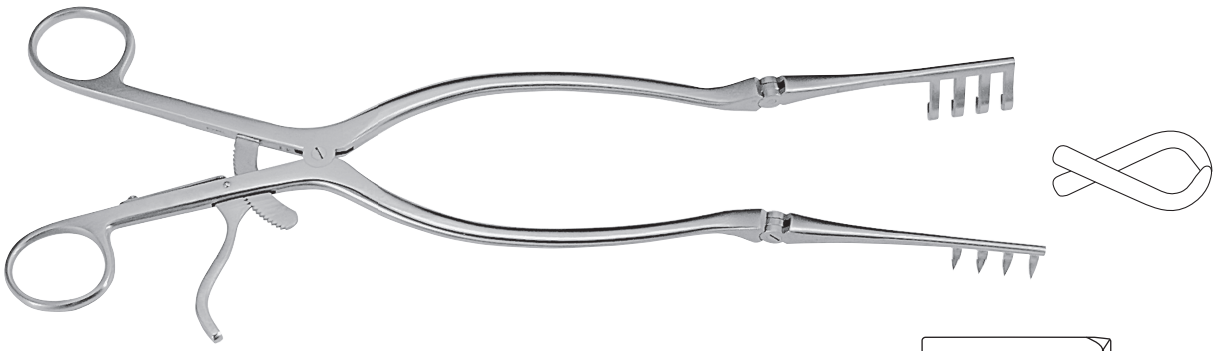
6 x 6

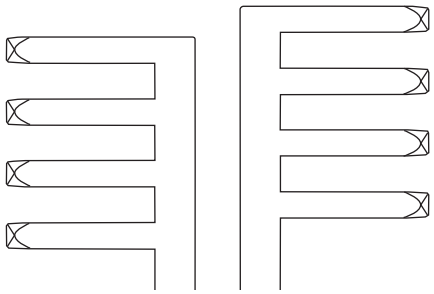


lange Zähne rechts
long teeth on right side
dientes largos a la derecha
griffes longues à droite
denti lunghe a destra

Art.Nr.	Beschreibung | *Description*	
070-690-31	**BECKMANN**	31,0 cm; 12 2/8"

scharf | **sharp** | agudo | pointu | acuto

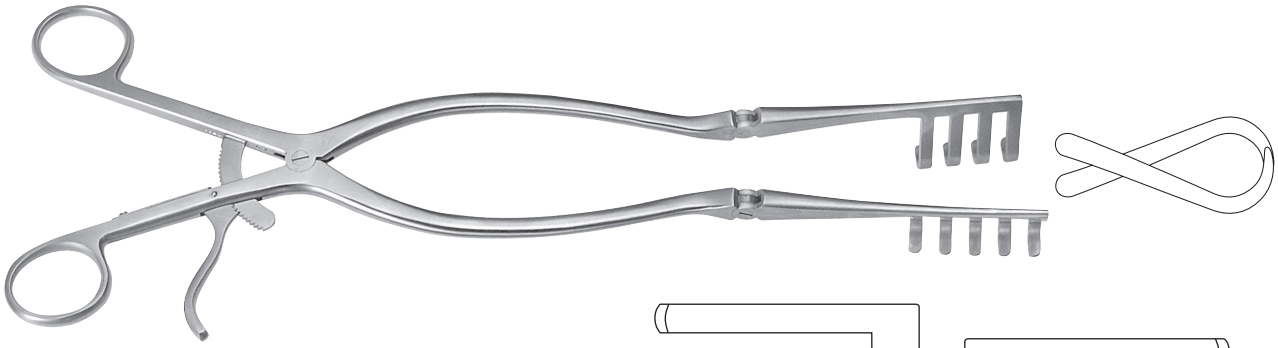


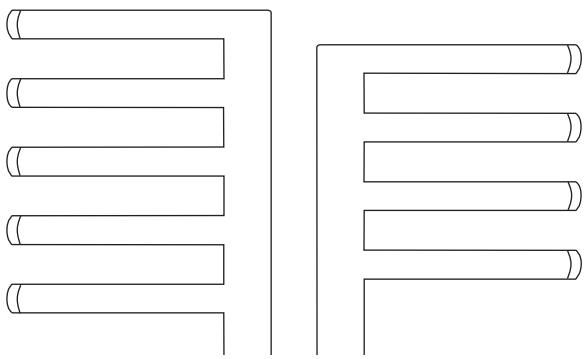


4 x 4

070-691-32	**ADSON**	32,0 cm; 12 5/8"

stumpf | **blunt** | romo | mousse | smusso





5 x 4

Art.Nr. **Beschreibung** | ***Description***

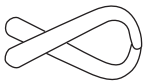
WILLIAMS **17,0 cm; 6 6/8"**



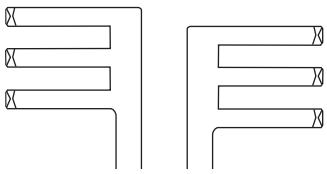
Blattgrösse **Blade size** Tamaño hoja Taille de valve Misura lame	**links** **left** izquierdo gauche sinistro	**rechts** **right** derecho droite destro
40 x 10 mm	**070-700-17**	**070-710-17**
50 x 10 mm	**070-701-17**	**070-711-17**
60 x 10 mm	**070-702-17**	**070-712-17**
70 x 10 mm	**070-703-17**	**070-713-17**
50 x 20 mm	**070-704-17**	**070-714-17**
60 x 20 mm	**070-705-17**	**070-715-17**
70 x 20 mm	**070-706-17**	**070-716-17**

Art.Nr.	Beschreibung | *Description*	
	WULLSTEIN	**13,0 cm; 5 1/8"**

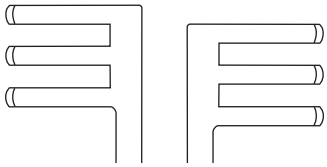




070-810-13	**scharf | sharp** agudo | pointu | acuto	**3 x 3**

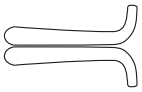


070-811-13	**stumpf | blunt** romo | mousse | smusso	**3 x 3**

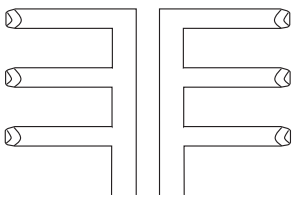


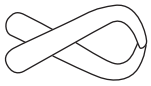
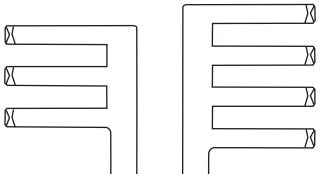
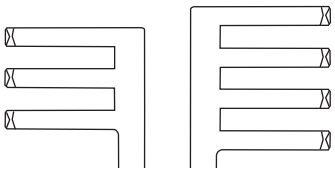
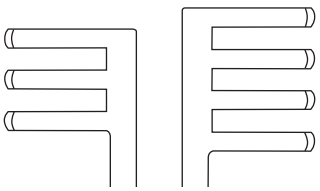
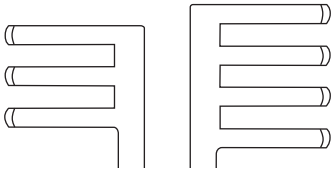
070-840-13	**MILLIGAN**	**13,0 cm; 5 1/8"**
	stumpf | blunt | romo | mousse | smusso	

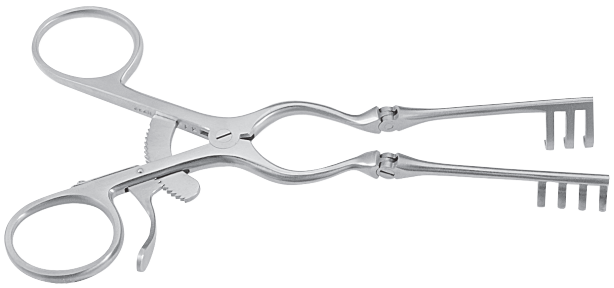
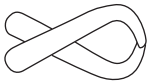
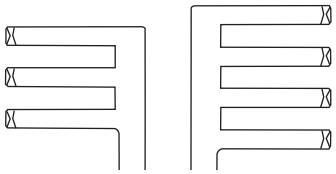
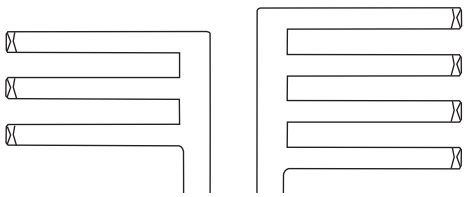
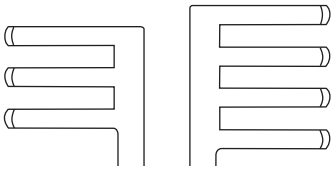
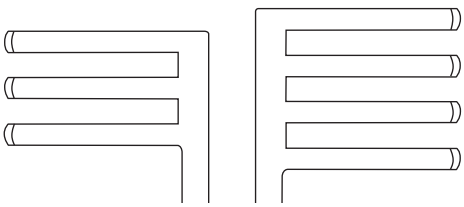




3 x 3

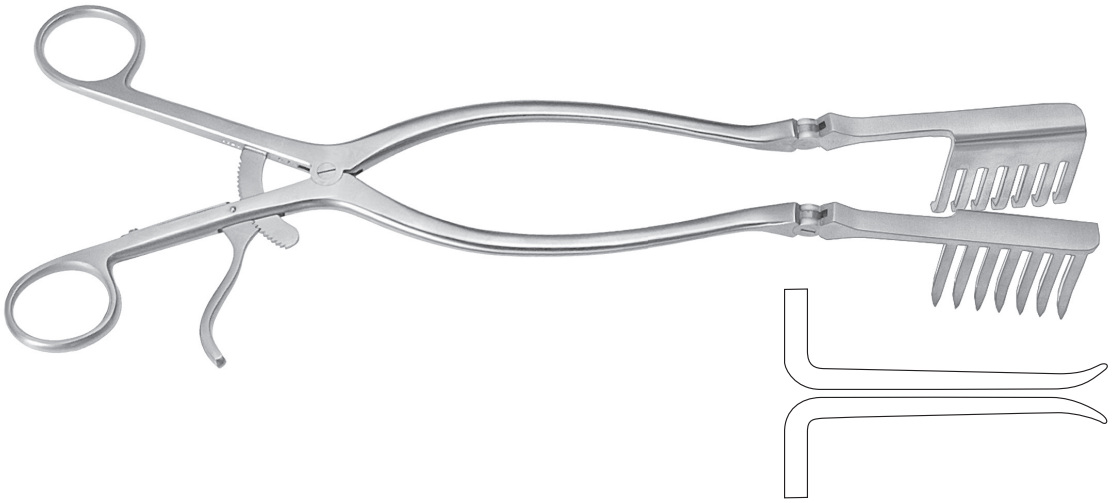


Art.Nr.	Beschreibung | *Description*			
	ADSON			
				
070-860-13	**scharf | sharp** agudo | pointu | acuto	**3 x 4**		**13,5 cm, 5 3/8"**
070-860-16	**scharf | sharp** agudo | pointu | acuto	**3 x 4**		**16,0 cm; 6 2/8"**
070-861-13	**stumpf | blunt** romo | mousse | smusso	**3 x 4**		**13,5 cm; 5 3/8"**
070-861-16	**stumpf | blunt** romo | mousse | smusso	**3 x 4**		**16,0 cm; 6 2/8"**

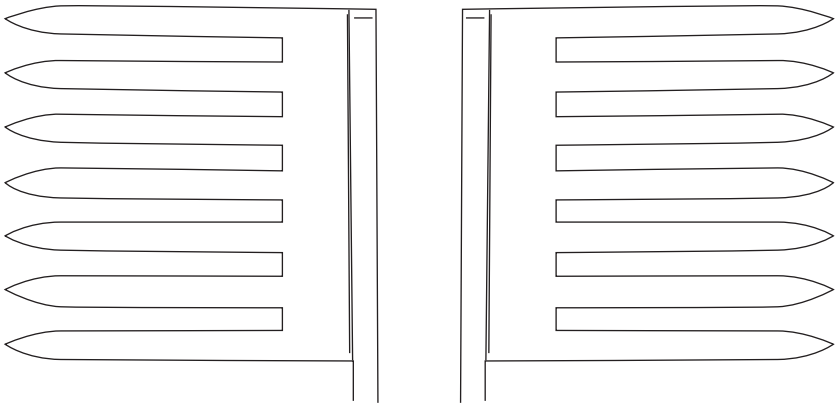
Art.Nr.	Beschreibung | *Description*			
	ADSON			
				
070-860-20	**scharf | sharp** agudo | pointu | acuto	**3 x 4**		**21,5 cm, 8 1/2"**
070-860-26	**scharf | sharp** agudo | pointu | acuto	**3 x 4**		**26,0 cm; 10 2/8"**
070-861-20	**stumpf | blunt** romo | mousse | smusso	**3 x 4**		**21,5 cm; 8 1/2"**
070-861-26	**stumpf | blunt** romo | mousse | smusso	**3 x 4**		**26,0 cm; 10 2/8"**

Art.Nr.	Beschreibung | *Description*	
070-862-32	**BECKMANN-EATON**	**32,0 cm; 12 5/8"**

scharf | sharp | agudo | pointu | acuto

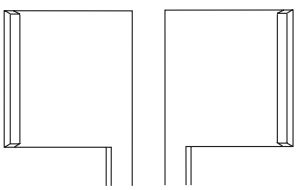


7 x 7



070-850-13	**WEITLANER-BABY**	**13,5 cm; 5 3/8"**

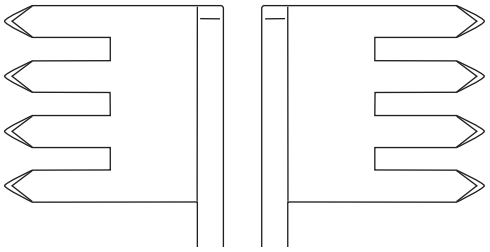




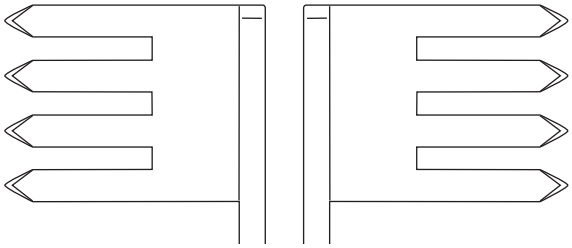
Art.Nr.	Beschreibung | *Description*	
	BECKMANN-ADSON	**31,0 cm; 12 2/8"**
	scharf | sharp | agudo | pointu | acuto	



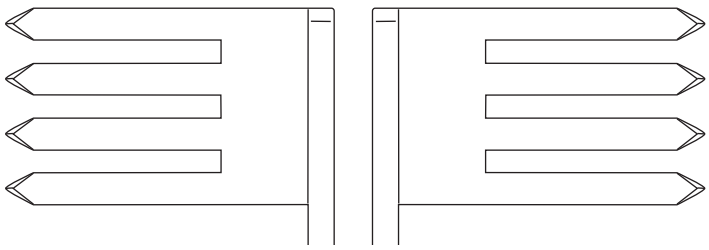
070-870-01	**25 x 25 mm**	**4 x 4**



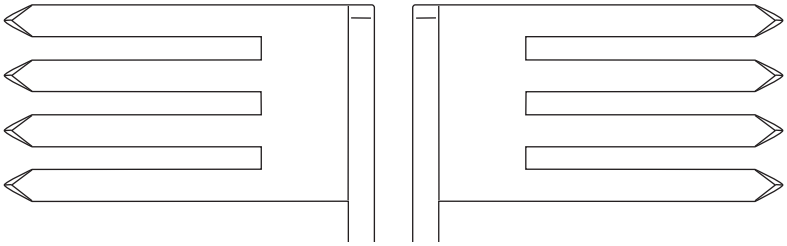
070-870-02	**25 x 31 mm**	**4 x 4**



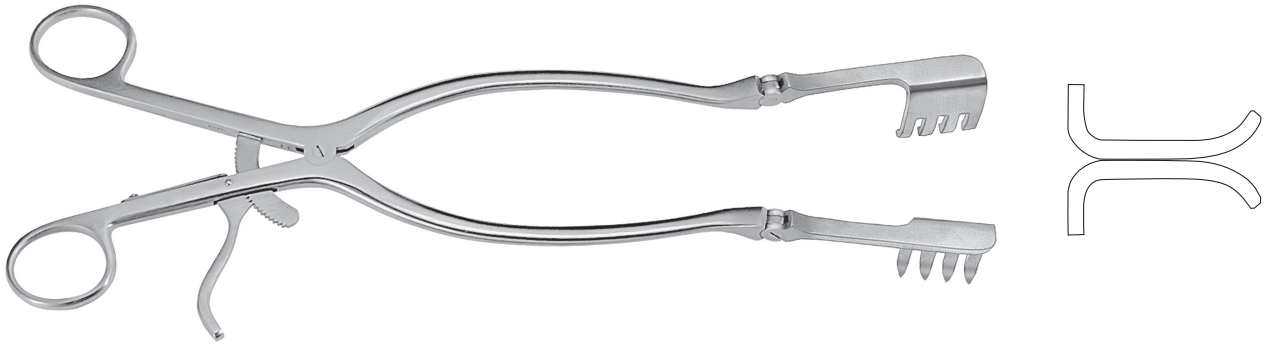
070-870-03	**25 x 40 mm**	**4 x 4**

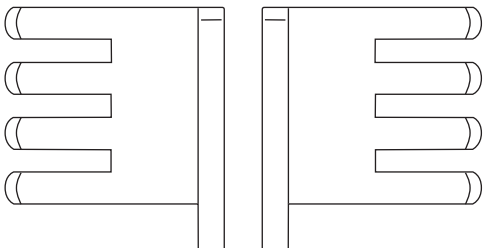
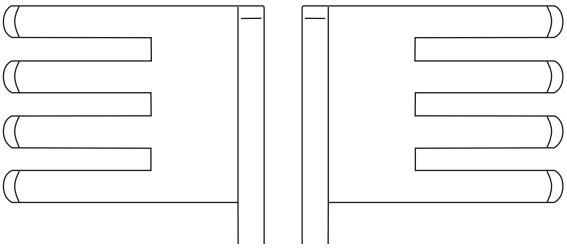
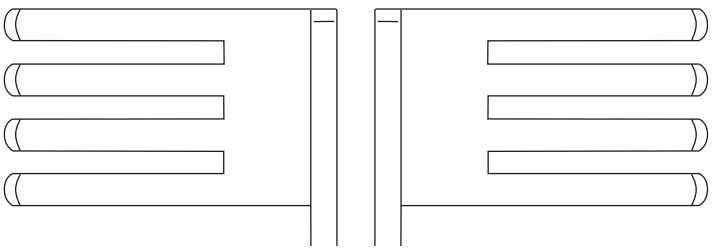
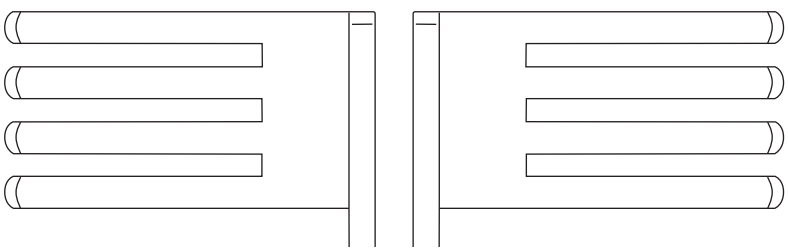


070-870-04	**25 x 45 mm**	**4 x 4**



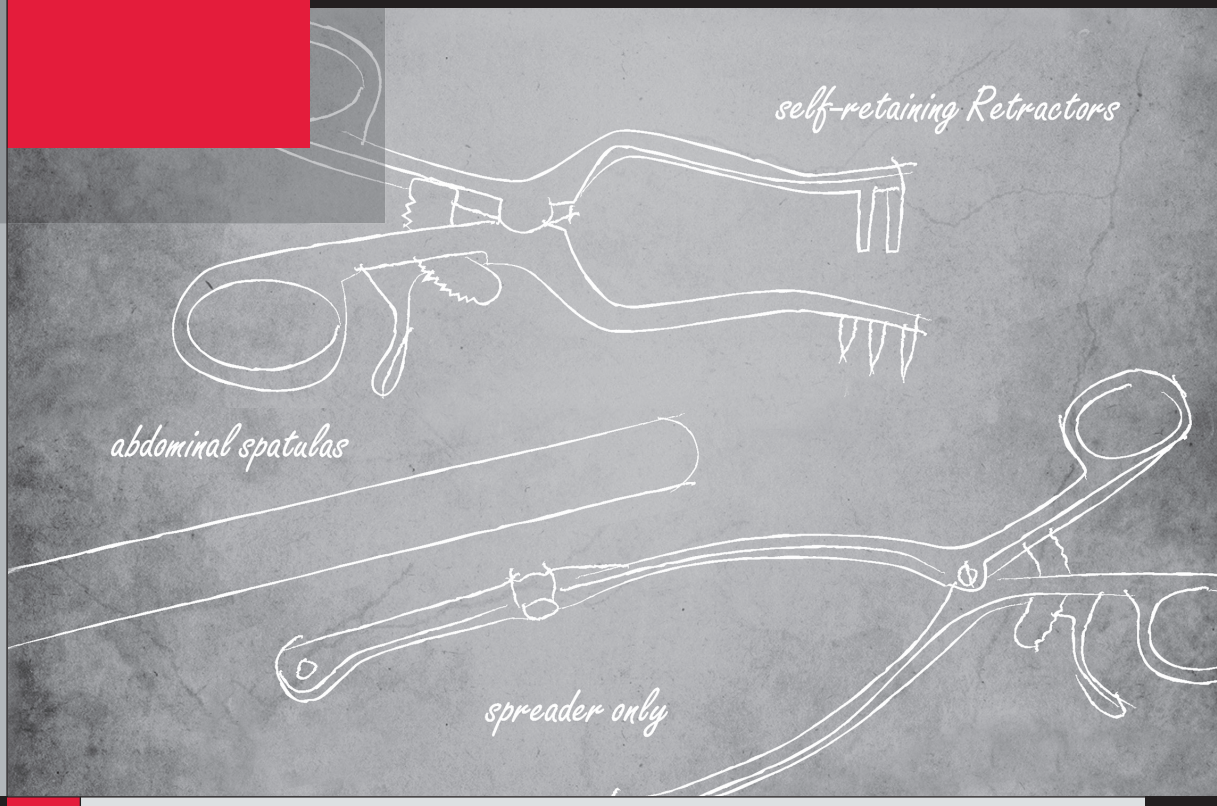
Art.Nr.	Beschreibung | *Description*		
	BECKMANN-ADSON		**31,0 cm; 12 2/8"**
	stumpf | blunt | romo | mousse | smusso		



070-871-01	**25 x 25 mm**	**4 x 4**	
070-871-02	**25 x 31 mm**	**4 x 4**	
070-871-03	**25 x 40 mm**	**4 x 4**	
070-871-04	**25 x 45 mm**	**4 x 4**	

TONTARRA

OPEN SURGERY



Bauchdeckenhalter

Abdominal Retractors

Separadores abdominales

Ecarteurs abdominaux

Divaricatori autostatici

074-078

Art.Nr. **Beschreibung | *Description***

RICARD

SET



074-310-28

	bestehend aus:
074-310-10	1 Sperrer
074-399-14	1 Paar Seitenvalven 72 x 85 mm
074-310-03	1 Mittelvalve 80 x 90 mm
	consisting of:
074-310-10	1 Spreader
074-399-14	1 Pair lateral valves 72 x 85 mm
074-310-03	1 Central valve 80 x 90 mm
	compuesto de:
074-310-10	1 Separador
074-399-14	1 Par de valvas laterales 72 x 85 mm
074-310-03	1 Valva central 80 x 90 mm
	composé de:
074-310-10	1 Ecarteur
074-399-14	1 Paire de valves latérales 72 x 85 mm
074-310-03	1 Valve centrale 80 x 90 mm
	composto da:
074-310-10	1 Divaricatore
074-399-14	1 Paio di valve laterali 72 x 85 mm
074-310-03	1 Valva centrale 80 x 90 mm

074-312-30

	bestehend aus:
074-312-10	1 Sperrer
074-399-13	1 Paar Seitenvalven 60 x 80 mm
074-310-02	1 Mittelvalve 55 x 70 mm
	consisting of:
074-312-10	1 Spreader
074-399-13	1 Pair lateral valves 60 x 80 mm
074-310-02	1 Central valve 55 x 70 mm
	compuesto de:
074-312-10	1 Separador
074-399-13	1 Par de valvas laterales 60 x 80 mm
074-310-02	1 Valva central 55 x 70 mm
	composé de:
074-312-10	1 Ecarteur
074-399-13	1 Paire de valves latérales 60 x 80 mm
074-310-02	1 Valve centrale 55 x 70 mm
	composto da:
074-312-10	1 Divaricatore
074-399-13	1 Paio di valve laterali 60 x 80 mm
074-310-02	1 Valva centrale 55 x 70 mm

Art.Nr.	Beschreibung | *Description*

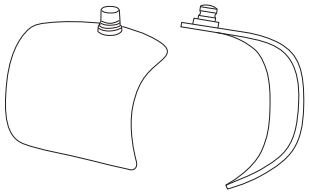
RICARD

Mittelvalven
Central valves
Valvas centrales
Valves centrales
Valve centrali



074-310-02	**55 x 70 mm**
074-310-03	**80 x 90 mm**

Seitenvalven
Lateral valves
Valvas laterales
Valves latérales
Valve laterali



074-399-10	**50 x 58 mm**
074-399-14	**72 x 85 mm**
074-399-13	**60 x 80 mm**

Art.Nr.	Beschreibung | *Description*	
074-400-10	**GOSSET-BABY**	**12,5 cm; 4 7/8"**



Spreizweite **Spreading** Extensión Ecartement Apertura	**Seitenvalven** **Lateral valves** Valvas laterales Valves latérales Valve laterali
100 mm	**40 x 30 mm**

074-412-14	**GOSSET**	**18,5 cm; 7 2/8"**



Spreizweite **Spreading** Extensión Ecartement Apertura	**Seitenvalven** **Lateral valves** Valvas laterales Valves latérales Valve laterali
140 mm	**63 x 35 mm**

Art.Nr.	Beschreibung | *Description*

074-460-02 **CHARNLEY**

SET



bestehend aus:

074-462-20	1 Rahmen quadratisch; 8 x 8 mm
074-462-02	1 Valve klein; 25 x 38 mm
074-462-08	1 Valve groß; 25 x 44 mm
074-462-12	1 Gewicht mit Kette

consisting of:

074-462-20	1 Frame square; 8 x 8 mm
074-462-02	1 Valve small; 25 x 38 mm
074-462-08	1 Valve large; 25 x 44 mm
074-462-12	1 Weight with chain

compuesto de:

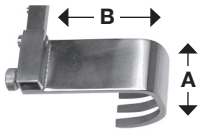
074-462-20	1 Cuadro; 8 x 8 mm
074-462-02	1 Valva pegueña; 25 x 38 mm
074-462-08	1 Valva grande; 25 x 44 mm
074-462-12	1 Cadena con peso

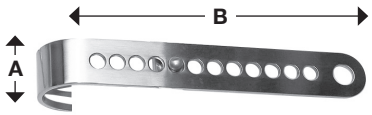
composé de:

074-462-20	1 Cadre; 8 x 8 mm
074-462-02	1 Valve petite; 25 x 38 mm
074-462-08	1 Valve grande; 25 x 44 mm
074-462-12	1 Chaîne avec poid

composto da:

074-462-20	1 Telaio; 8 x 8 mm
074-462-20	1 Valva piccola; 25 x 38 mm
074-462-20	1 Valva grande; 25 x 44 mm
074-462-20	1 Catena con peso

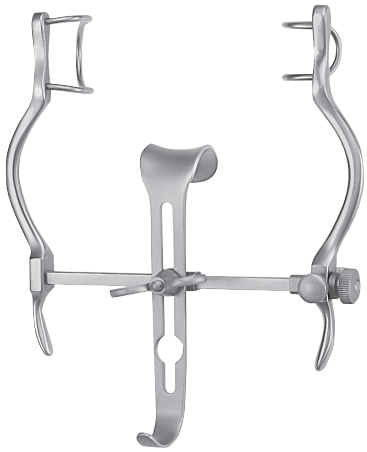




	A	B
074-462-02	25 mm	38 mm
074-462-07	25 mm	75 mm
074-462-14	25 mm	101 mm
074-462-16	25 mm	127 mm
074-462-18	25 mm	25 mm
074-462-21	25 mm	50 mm
074-462-22	25 mm	63 mm
074-462-23	25 mm	57 mm
074-462-27	25 mm	114 mm

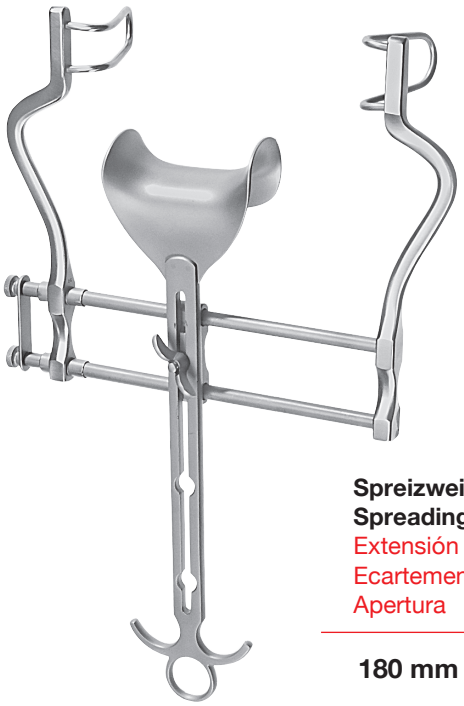
	A	B
074-462-08	25 mm	44 mm
074-462-09	25 mm	63 mm
074-462-13	25 mm	75 mm
074-462-15	25 mm	101 mm
074-462-17	25 mm	127 mm
074-462-19	25 mm	25 mm
074-462-24	25 mm	57 mm
074-462-26	25 mm	50 mm
074-462-28	25 mm	114 mm

Art.Nr.	Beschreibung | *Description*	
074-760-09	**BALFOUR-BABY**	**12,5 cm; 4 7/8"**



Spreizweite Spreading Extensión Ecartement Apertura	Seitenvalven Lateral valves Valvas laterales Valves latérales Valve laterali	Mittelvalve Central valve Valva central Valve central Valva centrale
90 mm	**38 mm**	**24 x 20 mm**

Art.Nr.	Beschreibung | *Description*	
074-764-18	**BALFOUR**	**20,0 cm; 7 7/8"**



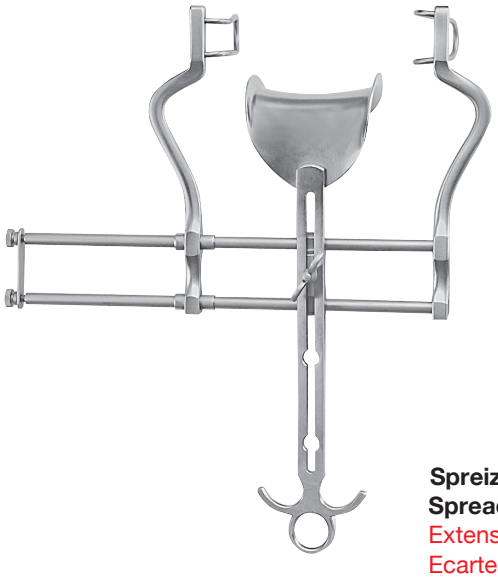
Spreizweite Spreading Extensión Ecartement Apertura	Seitenvalven Lateral valves Valvas laterales Valves latérales Valve laterali	Mittelvalve Central valve Valva central Valve central Valva centrale
180 mm	**63 x 35 mm**	**50 x 75 mm**

Art.Nr.	Beschreibung | *Description*	
074-768-20	**BALFOUR**	**20,0 cm; 7 7/8"**



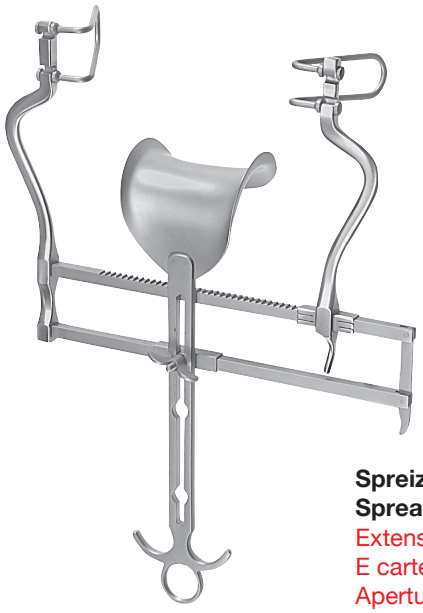
Spreizweite Spreading Extensión Ecartement Apertura	Seitenvalven Lateral valves Valvas laterales Valves latérales Valve laterali	Mittelvalve Central valve Valva central Valve central Valva centrale
200 mm	**100 x 35 mm**	**100 x 60 mm**

Art.Nr.	Beschreibung | *Description*	
074-768-25	**BALFOUR**	**20,0 cm; 7 7/8"**



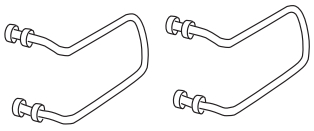
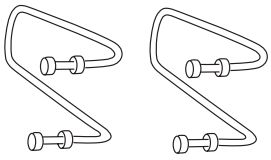
Spreizweite Spreading Extensión Ecartement Apertura	Seitenvalven Lateral valves Valvas laterales Valves latérales Valve laterali	Mittelvalve Central valve Valva central Valve central Valva centrale
250 mm	**100 x 35 mm**	**70 x 85 mm**

Art.Nr.	Beschreibung | *Description*	
074-772-25	**BALFOUR US-TYPE**	**20,0 cm; 7 7/8"** SET



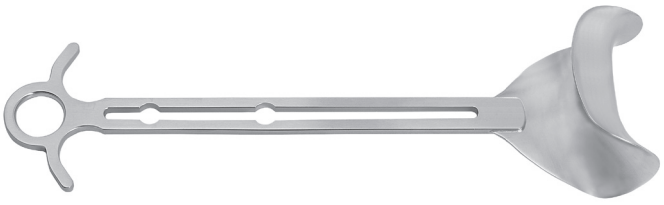
Spreizweite Spreading Extensión E cartement Apertura	Seitenvalven Lateral valves Valvas laterales Valves latérales Valve laterali	Mittelvalve Central valve Valva central Valve central Valva centrale
180 mm	**70 x 35 mm** **100 x 35 mm**	**70 x 85 mm**

Seitenvalven
Lateral valves
Valvas laterales
Valves latérales
Valve laterali

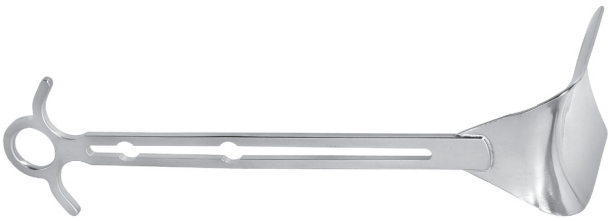
074-772-01		**60 x 35 mm**	074-772-02		**80 x 35 mm**

BALFOUR

074-798-01	**50 x 75 mm**
074-798-02	**70 x 85 mm**
074-798-03	**40 x 68 mm**

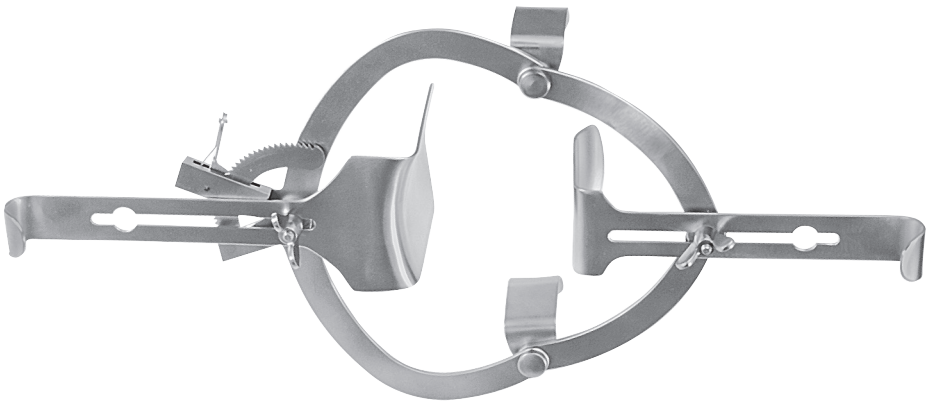


Art.Nr.	Beschreibung | *Description*
	BALFOUR **Mittelvalven** **Central valves** Valvas centrales Valves centrales Valve centrali
074-799-60	**100 x 60 mm**
074-799-70	**100 x 70 mm**



074-870-00 **O`SULLIVAN-O`CONNOR**

SET



bestehend aus:
074-870-01 1 Rahmen mit 2 Seitenvalven 62 x 25 mm
074-870-11 2 Valven 80 x 45 mm
074-870-12 1 Valve 110 x 70 mm

consisting of:
074-870-01 1 Frame with 2 lateral valves 62 x 25 mm
074-870-11 2 Valves 80 x 45 mm
074-870-12 1 Valve 110 x 70 mm

compuesto de:
074-870-01 1 Cuadro con 2 valvas laterales 62 x 25 mm
074-870-11 2 Valvas 80 x 45 mm
074-870-12 1 Valva 110 x 70 mm

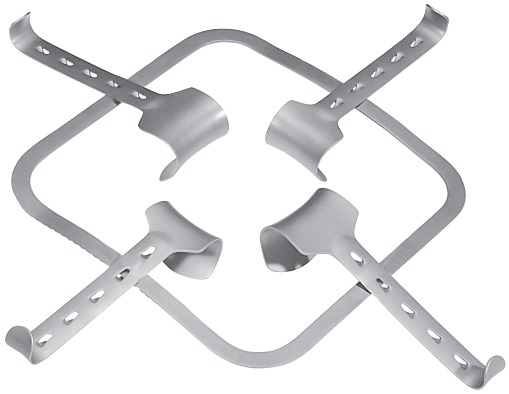
composé de:
074-870-01 1 Cadre avec 2 valves latérales 62 x 25 mm
074-870-11 2 Valves 80 x 45 mm
074-870-12 1 Valve 110 x 70 mm

composto da:
074-870-01 1 Telaio con valve laterali 62 x 25 mm
074-870-11 2 Valve 80 x 45 mm
074-870-12 1 Valva 110 x 70 mm

Art.Nr.	Beschreibung | *Description*

074-880-00 KIRSCHNER

SET



bestehend aus:

074-880-01	1 starrer Rahmen 240 x 240 mm
074-880-13	2 Valven 40 x 55 mm
074-880-14	2 Valven 50 x 65 mm

consisting of:

074-880-01	1 fixed frame 240 x 240 mm
074-880-13	2 Valves 40 x 55 mm
074-880-14	2 Valves 50 x 65 mm

compuesto de:

074-880-01	1 Cuadro fijo 240 x 240 mm
074-880-13	2 Valvas 40 x 55 mm
074-880-14	2 Valvas 50 x 65 mm

composé de:

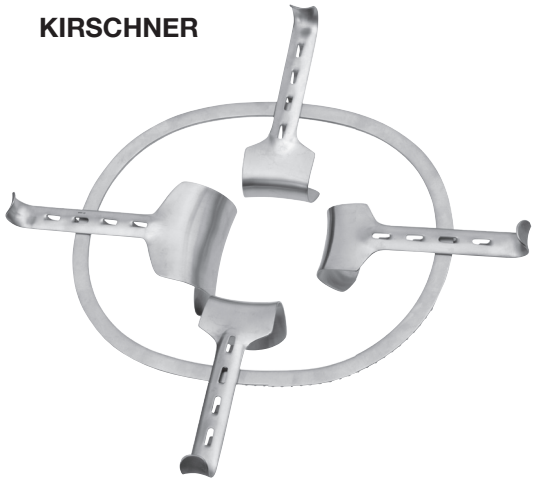
074-880-01	1 Cadre rigide 240 x 240 mm
074-880-13	2 Valves 40 x 55 mm
074-880-14	2 Valves 50 x 65 mm

composto da:

074-880-01	1 Telaio fisso 240 x 240 mm
074-880-13	2 Valve 40 x 55 mm
074-880-14	2 Valve 50 x 65 mm

074-884-00 KIRSCHNER

SET



bestehend aus:

074-884-01	1 starrer Rahmen 300 x 240 mm
074-880-14	3 Valven 50 x 65 mm
074-880-15	1 Valve 80 x 90 mm
074-880-20	1 Valve 98 x 50 mm
074-880-21	1 Valve 105 x 35 mm

consisting of:

074-884-01	1 fixed frame 300 x 240 mm
074-880-14	3 Valves 50 x 65 mm
074-880-15	1 Valve 80 x 90 mm
074-880-20	1 Valve 98 x 50 mm
074-880-21	1 Valve 105 x 35 mm

compuesto de:

074-884-01	1 Cuadro fijo 300 x 240 mm
074-880-14	3 Valvas 50 x 65 mm
074-880-15	1 Valva 80 x 90 mm
074-880-20	1 Valva 98 x 50 mm
074-880-21	1 Valva 105 x 35 mm

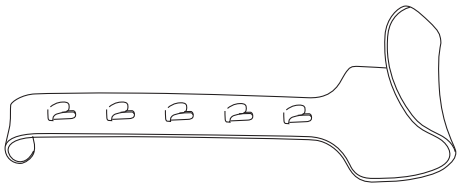
composé de:

074-884-01	1 Cadre rigide 300 x 240 mm
074-880-14	3 Valves 50 x 65 mm
074-880-15	1 Valve 80 x 90 mm
074-880-20	1 Valve 98 x 50 mm
074-880-21	1 Valve 105 x 35 mm

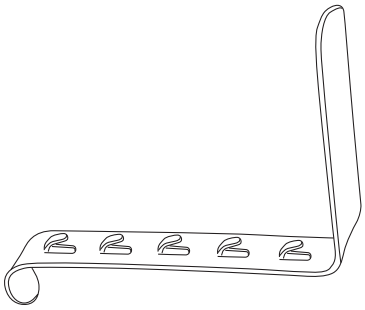
composto da:

074-884-01	1 Telaio fisso 300 x 240 mm
074-880-14	3 Valve 50 x 65 mm
074-880-15	1 Valva 80 x 90 mm
074-880-20	1 Valva 98 x 50 mm
074-880-21	1 Valva 105 x 35 mm

Art.Nr.	Beschreibung | *Description*
	KIRSCHNER
074-880-11	60 x 85 mm
074-880-13	40 x 55 mm
074-880-14	50 x 65 mm
074-880-15	80 x 90 mm
074-880-16	90 x 65 mm
074-880-17	98 x 95 mm



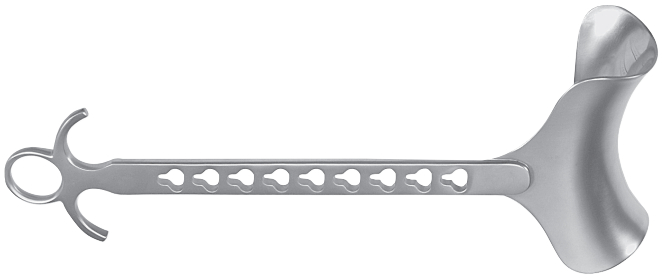
	KIRSCHNER
074-880-20	98 x 50 mm
074-880-21	105 x 35 mm



	DOYEN
074-910-11	90 x 50 mm
074-910-12	105 x 50 mm
074-910-13	120 x 50 mm
074-910-14	135 x 50 mm



Art.Nr.	Beschreibung | *Description*	
	ROCHARD	
074-920-10	95 x 50 mm	
074-920-11	105 x 50 mm	
074-920-12	120 x 60 mm	
074-920-13	135 x 60 mm	
074-920-16	155 x 60 mm	



074-920-20	**Fixiervorrichtung** **Fixation device** Dispositivo de fijación Compas articulé Dispositivo di fissaggio (compasso)	**19,5 cm; 7 3/4"**



Art.Nr.	Beschreibung | *Description*

Befestigungsgestell zur Fixierung an den Seitenschienen 25 x 10 mm der OP-Tische, zur Sterilisation zerlegbar

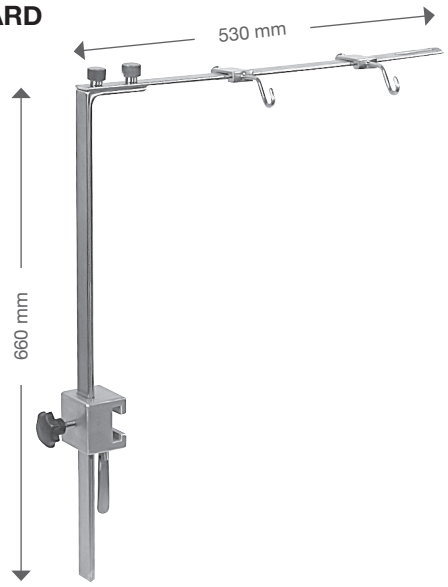
Mounting frame for fastening to the lateral bars 25 x 10 mm of the operating tables, can be dismantled for sterilization

Bastidor para la fijación a las barras laterales 25 x 10 mm de las mesas de operación, desmontable para la esterilización

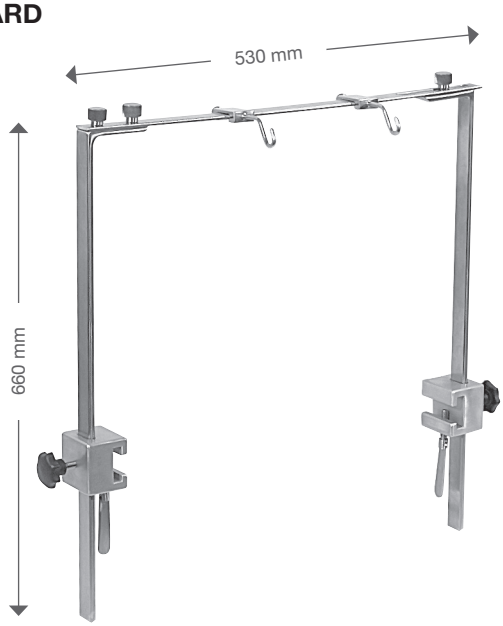
Cadre pour fixation aux barres latérales 25 x 10 mm de la table d'opération, demontable pour la stérilisation

Telaio di supporto per il fissaggio alla barra laterale 25 x 10 mm del tavolo operatorio, può essere smontabile per la sterilizzazione

074-920-01 **ROCHARD**



074-920-02 **ROCHARD**



Art.Nr.	Beschreibung | *Description*
	RIBBON
	biegsam | **malleable** | maleable | malléable | malleabile
078-170-13	330 x 13 mm
078-170-25	330 x 25 mm
078-170-32	330 x 32 mm
078-170-40	330 x 40 mm
078-170-50	330 x 50 mm



	HABERER
	biegsam | **malleable** | maleable | malléable | malleabile
078-200-01	280 x 25/30 mm
078-200-02	300 x 37/45 mm
078-200-03	300 x 40/50 mm



	RIBBON
	biegsam | **malleable** | maleable | malléable | malleabile
078-210-06	200 x 6 mm
078-210-12	200 x 12 mm
078-210-17	200 x 17 mm
078-210-20	200 x 20 mm
078-210-25	250 x 25 mm

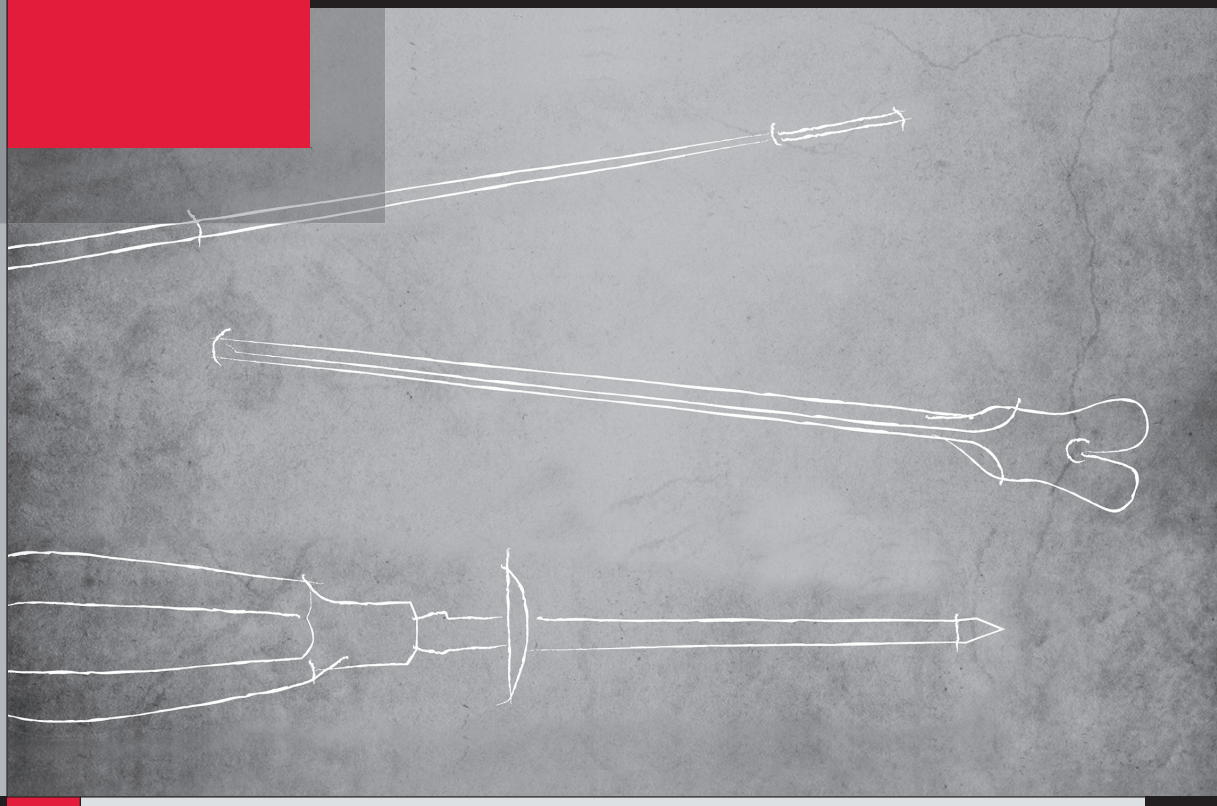


	TUFFIER
	biegsam | **malleable** | maleable | malléable | malleabile
078-220-20	200 x 17/25 mm



TONTARRA

OPEN SURGERY



Trokare; Kanülen

Trocars; Suction tubes

Trócares; Cánulas

Trocarts; Canules

Trequarti; Cannula

080-087

Art.Nr.	Beschreibung | *Description*
	Ø 1,0 mm
080-000-11	11,5 cm; 4 4/8"
080-000-13	13,0 cm; 5 1/8"
080-000-14	14,5 cm; 5 4/8"
080-000-16	16,0 cm; 6 2/8"
080-000-18	18,0 cm; 7 1/8"
080-000-20	20,0 cm; 7 7/8"
080-000-25	25,0 cm; 9 7/8"
	Ø 1,5 mm
080-002-10	10,5 cm; 4 1/8"
080-002-11	11,5 cm; 4 4/8"
080-002-13	13,0 cm; 5 1/8"
080-002-14	14,5 cm; 5 6/8"
080-002-16	16,0 cm; 6 2/8"
080-002-18	18,0 cm; 7 1/8"
080-002-20	20,0 cm; 7 7/8"
080-002-25	25,0 cm; 9 7/8"
	Ø 2,0 mm
080-004-11	11,5 cm; 4 4/8"
080-004-13	13,0 cm; 5 1/8"
080-004-14	14,5 cm; 5 6/8"
080-004-16	16,0 cm; 6 2/8"
080-004-18	18,0 cm; 7 1/8"
080-004-20	20,0 cm; 7 7/8"
080-004-25	25,0 cm; 9 7/8"
080-004-30	30,0 cm; 11 6/8"

Art.Nr.	Beschreibung | *Description*	
	mit Öhr | with eye | con ojo | avec trou | con cruna	**Ø 2,0 mm**



080-013-11	11,5 cm; 4 4/8"
080-013-13	13,0 cm; 5 1/8"
080-013-14	14,5 cm; 5 4/8"
080-013-16	16,0 cm; 6 2/8"
080-013-18	18,0 cm; 7 1/8"
080-013-20	20,0 cm; 7 7/8"
080-013-25	25,0 cm; 9 7/8"

	Myrtenblattsonden **Myrtle leaf probes** Sondas en forma de mirto Sondes á feuille de sauge Sonde a foglia di mirto	**Ø 2,0 mm**



080-027-11	11,5 cm; 4 4/8"
080-027-13	13,0 cm; 5 1/8"
080-027-14	14,5 cm; 5 4/8"
080-027-16	16,0 cm; 6 2/8"
080-027-20	20,0 cm; 7 7/8"

Art.Nr.	Beschreibung | *Description*	
		Ø 3,5 mm



080-110-11	11,5 cm, 4 4/8"	
080-110-13	13,0 cm; 5 1/8"	
080-110-14	14,5 cm; 5 6/8"	
080-110-16	16,0 cm; 6 2/8"	
080-110-18	18,0 cm; 7 1/8"	
080-110-20	20,0 cm; 7 7/8"	
080-117-14	DOYEN	14,5 cm; 5 6/8"



080-120-16	NÉLATON	16,0 cm; 6 2/8"



		Ø 3,3 mm



080-122-13	13,0 cm; 5 1/8"	
080-122-14	14,5 cm; 5 6/8"	
080-122-16	16,0 cm; 6 2/8"	
080-122-18	18,0 cm; 7 1/8"	
080-122-20	20,0 cm; 7 7/8"	
080-126-20	BRODIE	Ø 3,5 mm 20,0 cm; 7 7/8"



Art.Nr.	Beschreibung | *Description*	
080-130-01	LOCKHART-MUMMERY	16,5 cm; 6 4/8"



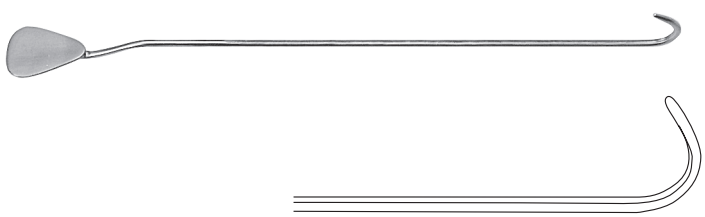
080-130-02	LOCKHART-MUMMERY	16,5 cm; 6 4/8"



080-130-03	LOCKHART-MUMMERY	16,5 cm; 6 4/8"

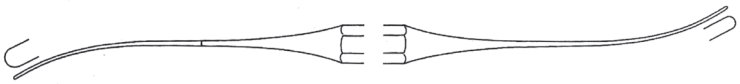
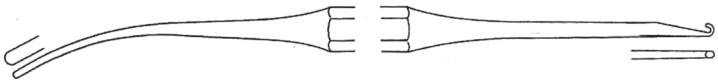
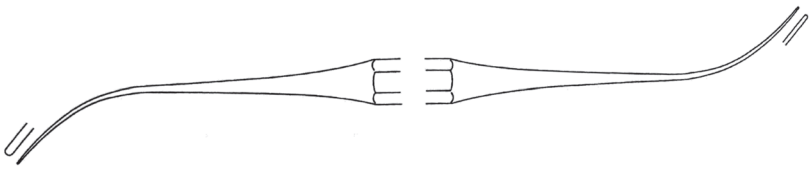
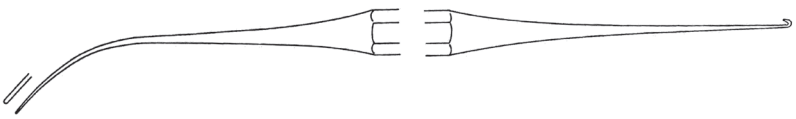
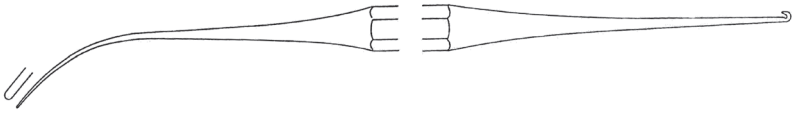


080-130-04	LOCKHART-MUMMERY	16,5 cm; 6 4/8"



Art.Nr.	Beschreibung | *Description*	
	VARADY	**18,0 cm; 7 1/8"**



080-140-01	**Phlebodissektor** **Phlebodissector** Flebodisecador Dissecteur pour phlébite Flebo-dissettore	
080-140-02	**Phleboextraktor** **Phleboextractor** Fleboextractor Extracteur pour phlébite Flebo-estrattore	
080-140-03	**Phleboextraktor** **Phleboextractor** Fleboextractor Extracteur pour phlébite Flebo-estrattore	
080-140-04	**Mikro-Dissektor** **Micro Dissector** Micro disecador Micro dissecteur Micro-dissettore	
080-140-05	**Mikro-Phleboextraktor** **Micro Phleboextractor** Micro fleboextractor Micro extracteur pour phlébite Micro-estrattore per flebiti	
080-140-06	**Mikro-Phleboextraktor** **Micro Phleboextractor** Micro fleboextractor Micro extracteur pour phlébite Micro-estrattore per flebiti	

Art.Nr.	Beschreibung | *Description*

080-150-00 **NABATOFF**

SET

Krampfadernbesteck, komplett in ovalem Metalletui
Varicose Vein Probe Set complete in oval metal case
Juego para varices completo en caja metálica oval
Trousse à varices compléte boîte en métal, ovale
Set di sonde per varici completo in scatola metallica ovale



bestehend aus: | consisting of:
compuesto de: | composé de: | composto da:
080-150-22 / 080-150-03 / 080-150-06 / 080-150-09 / 080-150-12
080-150-20 / 080-150-21 / 080-150-01

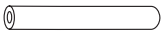
080-150-22 **Kunststoffspitze**
Plastic probe tip
Punta plástica
Pointe en plastique
Punta di plastica



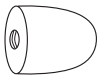
1/1

Olive | Olive | Oliva | Olive | Oliva

080-150-03 **Ø 3,0 mm**



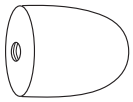
080-150-09 **Ø 9,0 mm**



080-150-06 **Ø 6,0 mm**

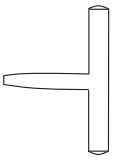


080-150-12 **Ø 12 mm**

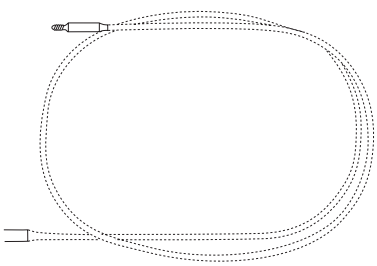


1/1

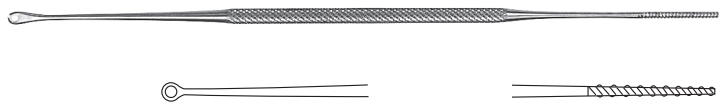
080-150-20 **T-Griff**
T-handle
Mango
Manche enforme de T
Manico solo



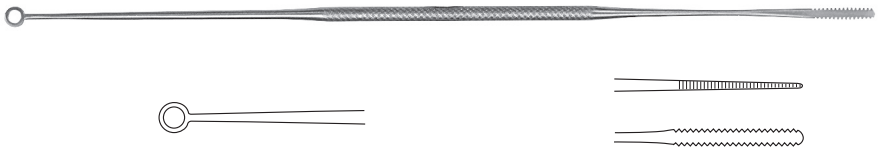
080-150-21 **Zugseil**
Traction cable
Cable de tracción
Cable tracteur
Fune di trazione



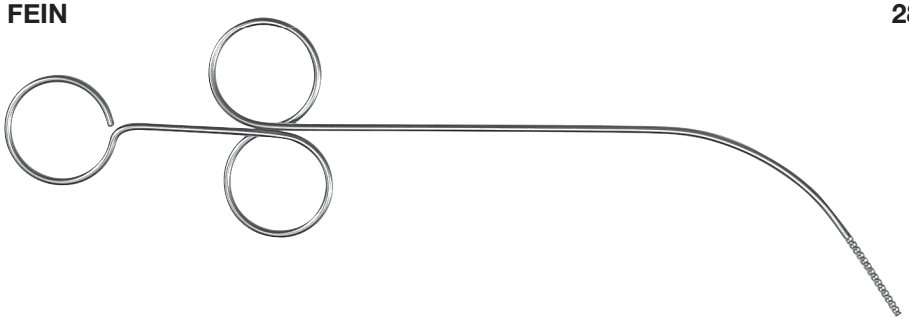
Art.Nr.	Beschreibung | *Description*	
080-260-16	**UCKERMANN**	16,0 cm; 6 2/8"



080-262-18	**JOBSON-HORNE**	18,0 cm; 7 1/8"



080-264-28	**FEIN**	28,0 cm; 11"



FARRELL



080-270-12	Ø 0,9 mm	12,0 cm; 4 6/8"
080-270-14	Ø 0,9 mm	14,0 cm; 5 4/8"
080-270-16	Ø 1,1 mm	16,0 cm; 6 2/8"
080-270-18	Ø 1,2 mm	18,0 cm; 7 1/8"

FARRELL (LATHBURY)



080-271-12	Ø 0,9 mm	12,0 cm; 4 6/8"
080-271-14	Ø 0,9 mm	14,0 cm; 5 4/8"
080-271-16	Ø 1,1 mm	16,0 cm; 6 2/8"
080-271-18	Ø 1,2 mm	18,0 cm; 7 1/8"

Art.Nr.	Beschreibung | *Description*	
	VOLLMAR	**55,0 cm; 21,6"**



080-420-02	Ø 2,0 mm		080-420-07	Ø 7,0 mm	
080-420-03	Ø 3,0 mm		080-420-08	Ø 8,0 mm	
080-420-04	Ø 4,0 mm		080-420-10	Ø 10,0 mm	
080-420-06	Ø 6,0 mm		080-420-14	Ø 14,0 mm	

080-422-12	**Handgriff** **Handle** Mango Manche Manico	**11,5 cm; 4 4/8"**

für Ringstripper nach Vollmar | for Vollmar ring Strippers
para Vollmar fleboextractores | pour stripper à anneau selon Vollmar | per stripper anello di Vollmar



Kieferhöhlentrokare
Antrum Trocars
Trócar para el seno maxilar
Trocart pour le sinus maxillaire
Trequarti per seno mascellare

Art.Nr.	Beschreibung | *Description*	
084-200-85	**Tonsillen Nadel** **Tonsil needle** Aguja para amígdala Aiguille tonsillares Ago per tonsille	**Ø 22 Gauge (0,7 mm)** **85 mm**

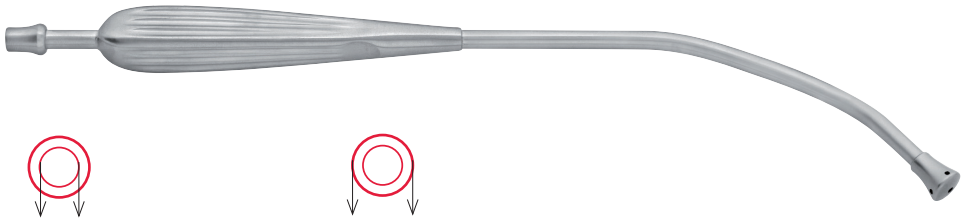


Art.Nr.	Beschreibung | *Description*	
084-201-85	**Tonsillen Nadel** **Tonsil needle** Aguja para amígdala Aiguille tonsillares Ago per tonsille	**Ø 22 Gauge (0,7 mm)** **85 mm**



Art.Nr.	Beschreibung | *Description*	
085-000-27	**YANKAUER**	**29,0 cm; 11 3/8"**

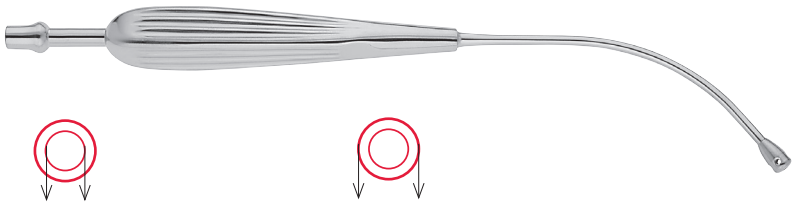
Saugkopf abschraubbar | Removable suction tip
Punta desenroscable | Pointe d'aspiration démontable | Punta svitabile



Ø 2,0 mm **Ø 6,0 mm**

	ANDREWS-PYNCHON	**24,0 cm; 9 4/8"**

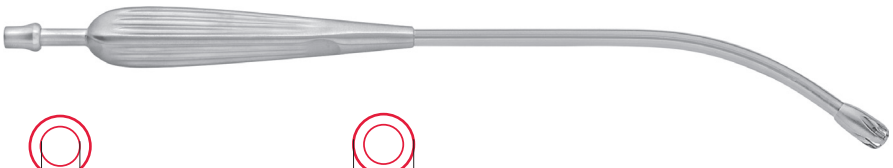
Saugkopf abschraubbar | Removable suction tip
Punta desenroscable | Pointe d'aspiration démontable | Punta svitabile



085-006-27	**Ø 2,0 mm**	**Ø 3,0 mm**
085-006-30	**Ø 2,0 mm**	**Ø 4,0 mm**
085-006-34	**Ø 2,0 mm**	**Ø 6,0 mm**

085-008-27	**DE BAKEY**	**27,0 cm; 10 5/8"**

Saugkopf abschraubbar | Removable suction tip
Punta desenroscable | Pointe d'aspiration démontable | Punta svitabile



Ø 3,0 mm **Ø 6,0 mm**

Art.Nr.	Beschreibung | *Description*	
085-010-17	**COUPLAND**	17,0 cm; 6 6/8"

Saughandgriff | Tube adapter
Mango de aspiración | Manche pour aspiration | Manico per aspirazione



	COUPLAND	9,0 cm; 3 4/8"

Saugrohr Aufsatz | Suction tube insert
Tubo de aspiración | Pointe de succion | Tubi per aspirazione



085-010-15	Ø 1,5 mm	
085-010-20	Ø 1,9 mm	
085-010-23	Ø 2,3 mm	
085-010-28	Ø 2,8 mm	
085-014-23	**COGSWELL**	Ø 2,3 mm 23,0 cm; 9"

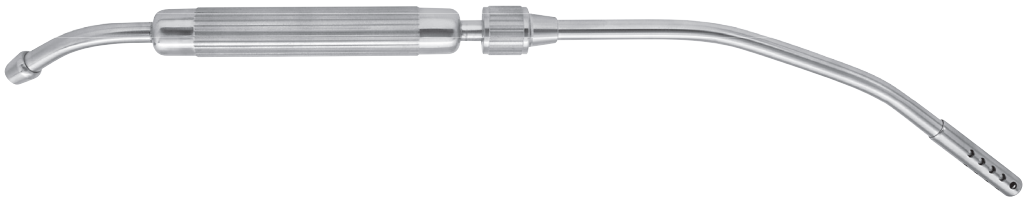




085-018-15	Ø 1,5 mm; 14,0 cm; 5 4/8"	085-019-15	Ø 1,5 mm; 18,0 cm; 7 1/8"
085-018-25	Ø 2,5 mm; 14,0 cm; 5 4/8"	085-019-25	Ø 2,5 mm; 18,0 cm; 7 1/8"
085-018-30	Ø 3,0 mm; 14,0 cm; 5 4/8"	085-019-30	Ø 3,0 mm; 18,0 cm; 7 1/8"
085-018-40	Ø 4,0 mm; 14,0 cm; 5 4/8"	085-019-40	Ø 4,0 mm; 18,0 cm; 7 1/8"
085-018-50	Ø 5,0 mm; 14,0 cm; 5 4/8"	085-019-50	Ø 5,0 mm; 18,0 cm; 7 1/8"
085-018-60	Ø 6,0 mm; 14,0 cm; 5 4/8"	085-019-60	Ø 6,0 mm; 18,0 cm; 7 1/8"

Art.Nr.	Beschreibung | *Description*		
	POOLE		
			
085-020-06	**Ø 3,7 mm**	**Ø 6,0 mm**	**19,0 cm; 7 4/8"**
			
085-020-08	**Ø 4,0 mm**	**Ø 8,0 mm**	**25,0 cm; 9 7/8"**
			
085-020-10	**Ø 7,0 mm**	**Ø 10,0 mm**	**24,0 cm; 9 4/8"**
			
			
085-021-06	**Ø 3,7 mm**	**Ø 6,0 mm**	**19,0 cm; 7 4/8"**
			
085-021-08	**Ø 4,0 mm**	**Ø 8,0 mm**	**25,0 cm; 9 7/8"**
			

Art.Nr.	Beschreibung | *Description*	
085-024-01	COOLEY	33,0 cm; 13"



Ø 8,0 mm



085-024-02	COOLEY	35,0 cm; 13,7"



Ø 8,0 mm



085-024-03	COOLEY	30,0 cm; 11,8"



Ø 7,0 mm



085-026-90	COOLEY	31,0 cm; 12 2/8"

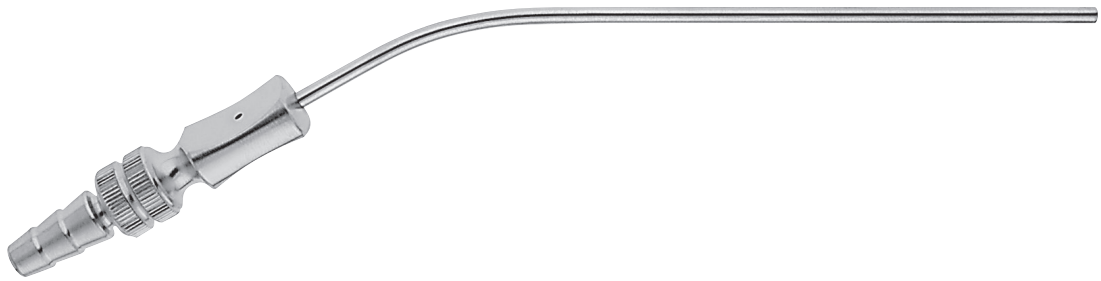


Ø 6,5 mm



Art.Nr. **Beschreibung | *Description***

FRAZIER **45°**



Arbeitslänge | Working length | Largo útil | Longeur utile | Lunghezza utile

	10,0 cm; 3 7/8"	13,0 cm; 5 1/8"	18,0 cm; 7 1/8"
3 Fr. (1,0 mm)	085-030-03	085-031-03	085-033-03
4 Fr. (1,3 mm)	085-030-04	085-031-04	085-033-04
5 Fr. (1,6 mm)	085-030-05	085-031-05	085-033-05
6 Fr. (2,0 mm)	085-030-06	085-031-06	085-033-06
7 Fr. (2,3 mm)	085-030-07	085-031-07	085-033-07
8 Fr. (2,5 mm)	085-030-08	085-031-08	085-033-08
9 Fr. (3,0 mm)	085-030-09	085-031-09	085-033-09
10 Fr. (3,3 mm)	085-030-10	085-031-10	085-033-10
11 Fr. (3,6 mm)	085-030-11	085-031-11	085-033-11
12 Fr. (4,0 mm)	085-030-12	085-031-12	085-033-12
14 Fr. (4,6 mm)	085-030-14	085-031-14	085-033-14
15 Fr. (5,0 mm)	085-030-15	085-031-15	085-033-15

Art.Nr.	Beschreibung | *Description*		
	PLESTER	**14,0 cm; 5,2"**	**30°**

Arbeitslänge | Working length | Wargo útil | Wongeur utile | Lunghezza utile



085-032-05	5 Fr. (1,6 mm)
085-032-06	6 Fr. (2,0 mm)
085-032-07	7 Fr. (2,0 mm)
085-032-08	8 Fr. (2,6 mm)
085-032-09	9 Fr. (3,0 mm)
085-032-10	10 Fr. (3,3 mm)
085-032-12	12 Fr. (4,0 mm)

	FERGUSSON (POPPEN)	**14,5 cm; 5,8"**	**45°**

Arbeitslänge | Working length | Largo útil | Longeur utile | Lunghezza utile



085-034-05	5 Fr. (1,6 mm)
085-034-06	6 Fr. (2,0 mm)
085-034-07	7 Fr. (2,0 mm)
085-034-08	8 Fr. (2,3 mm)
085-034-09	9 Fr. (3,0 mm)
085-034-10	10 Fr. (3,3 mm)
085-034-11	11 Fr. (3,6 mm)
085-034-12	12 Fr. (4,0 mm)
085-034-15	15 Fr. (5,0 mm)

Saugrohre; Saugraspatorium
Suction Tubes; Suction Raspatory
Tubos de aspiración; legra de succión
Tubes d'aspiration; rugine-raspatoire à succion
Tubi d'aspirazione; raspatorio con aspiratore

Art.Nr.	Beschreibung | *Description*	
	ADSON	**14,5 cm; 5 6/8"**
	Arbeitslänge | Working length | Largo útil | Longeur utile | Lunghezza utile	



085-050-10	10 Fr. (3,3 mm)	
085-050-11	11 Fr. (3,6 mm)	
085-050-12	12 Fr. (4,0 mm)	
085-050-14	14 Fr. (4,6 mm)	
085-050-15	15 Fr. (5,0 mm)	
	GUILLEN	**Ø 4,0 mm** **20,0 cm; 7 7/8"**
	Arbeitslänge | Working length | Largo útil | Longeur utile | Lunghezza utile	
085-074-20	**Öffnung gerade** **Straight tip** Apertura recta Ouverture droite Apertura retta	



085-075-20	**Öffnung links** **Left curved tip** Apertura a izquierda Ouverture á gauche Apertura a sinistra	



085-076-20	**Öffnung rechts** **Right curved tip** Apertura a derecha Ouverture á droite Apertura a destra	



Art.Nr. **Beschreibung** | ***Description***

FUKUSHIMA

konisch | **tapered** | cónico | conique | conico



Arbeitslänge | **Working length** | Largo útil | Longeur utile | Lunghezza utile

	10,0 cm; 3 7/8"	11,5 cm; 4 4/8"	14,0 cm; 5 4/8"	16,5 cm; 6 4/8"
3 Fr. (1,0 mm)	085-300-03	085-301-03	085-302-03	085-303-03
4 Fr. (1,3 mm)	085-300-04	085-301-04	085-302-04	085-303-04
5 Fr. (1,6 mm)	085-300-05	085-301-05	085-302-05	085-303-05
6 Fr. (2,0 mm)	085-300-06	085-301-06	085-302-06	085-303-06
7 Fr. (2,3 mm)	085-300-07	085-301-07	085-302-07	085-303-07
8 Fr. (2,6 mm)	085-300-08	085-301-08	085-302-08	085-303-08
9 Fr. (3,0 mm)	085-300-09	085-301-09	085-302-09	085-303-09
11 Fr. (3,6 mm)	085-300-11	085-301-11	085-302-11	085-303-11
12 Fr. (4,0 mm)	085-300-12	085-301-12	085-302-12	085-303-12

Art.Nr. **Beschreibung** | ***Description***

MENGHINI

Punktionskanüle; Luer-Lock Ansatz | Puncture needle; Luer-Lock connection
Aguja para punción; conexión Luer-Lock | Aiguille pour ponction; avec raccord Luer-Lock
Cannula per puntura; raccardo Luer-Lock



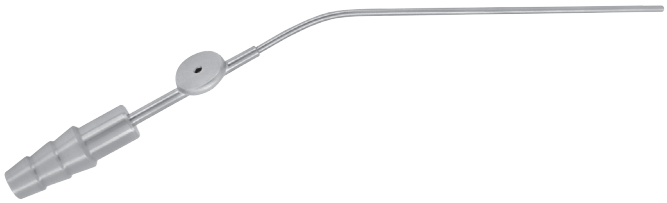
086-115-01	Ø 1,0 x 35 mm	086-115-06	Ø 1,4 x 100 mm
086-115-02	Ø 1,0 x 70 mm	086-115-07	Ø 1,6 x 70 mm
086-115-03	Ø 1,2 x 70 mm	086-115-08	Ø 1,8 x 100 mm
086-115-04	Ø 1,2 x 100 mm	086-117-14	Ø 1,4 x 168 mm
086-115-05	Ø 1,4 x 70 mm	086-117-18	Ø 1,8 x 168 mm

Mindestbestellmenge: 10 Stück | Minimum order quantity: 10 pieces
Cantidad mínima de pedido: 10 unidades | Quantité minimum par commande: 10 pieces
Quantitá minima d' ordine: 10 pezzi

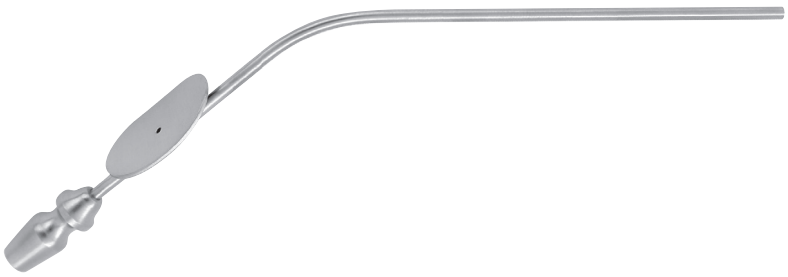
Art.Nr.	Beschreibung | *Description*	
	SCHMID	**15,0 cm; 5 7/8"**
	Spülkanüle; starr; Luer-Lock Ansatz | Irrigation cannula; rigid; Luer-Lock connection Cánulas rigido para irrigación; conexión Luer-Lock | Canule d'irrigation; rigide avec raccord Luer-Lock Cannula per irrigazione; rigido Luer-Lock	
		
086-140-03	**Ø 3,0 mm**	
086-140-04	**Ø 4,0 mm**	
086-140-05	**Ø 5,0 mm**	
086-140-06	**Ø 6,0 mm**	
086-200-06	**MOCK**	**Ø 2,9 x 0,8 mm** **6,5 cm; 2 1/2"**
	Spülkanüle | Irrigation cannula Cánulas para irrigación | Canule d'irrigation | Cannula per irrigazione	
		
	Venenkanüle **Vein cannulas** Cánulas para venas Canule veineuse Cannula per vene	
		
086-210-12	**1,20 x 80 mm**	
086-210-15	**1,50 x 80 mm**	

Art.Nr.	Beschreibung | *Description*	
	EICKEN	**14,5 cm; 5 4/8"**
	Stirnhöhlen-Spülkatheter | Irrigating tube for frontal sinus Sonda irrigadora para seno frontal | Sonde de lavage pour sinus frontal Sannula irrigatrice per seno frontale	
		
086-240-30	**Ø 3,0 mm**	
086-240-40	**Ø 4,0 mm**	

Art.Nr.	Beschreibung | *Description*	
	BARNES	**50 mm**
	Otologiesaugrohr | Otology suction tube Tubos de aspiración auriculares | Tube d'aspiration auriculaire Tubi d'aspirazione auricolare	
086-290-15	**Ø 1,5 mm**	

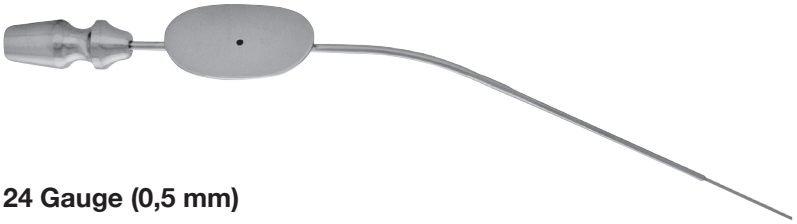


	BARON	**75 mm**
086-300-10	**3 Fr. (1,0 mm)**	
086-300-15	**5 Fr. (1,6 mm)**	
086-300-20	**7 Fr. (2,3 mm)**	



	BARON	**100 mm**
086-301-10	**3 Fr. (1,0 mm)**	
086-301-15	**5 Fr. (1,6 mm)**	
086-301-20	**7 Fr. (2,3 mm)**	



Art.Nr.	Beschreibung | *Description*	
	SCHUKNECHT	**75 mm**
		
086-310-05	**24 Gauge (0,5 mm)**	
086-310-09	**20 Gauge (0,9 mm)**	

Art.Nr.	Beschreibung | *Description*	
	Bronchial- Saugrohr **Bronchial suction tube** Tubos de aspiración para tracheal Tube d'aspiration trachéale Tubi d'aspirazione per tracheale	**25,0 cm; 9 3/4"**



086-405-20	**Ø 2,0 mm**
086-405-25	**Ø 2,5 mm**
086-405-30	**Ø 3,0 mm**

Art.Nr.	Beschreibung | *Description*	
	konisch | tapered | cónico | conique | conico	**11,5 cm; 4 4/8“**



086-500-35	**Ø 3,5 mm**	
086-504-30	**konisch | tapered** | cónico | conique | conico	**Ø 3,0 mm** **17,5 cm; 6 7/8“**



086-505-30	**konisch | tapered** | cónico | conique | conico	**Ø 3,0 mm** **13,0 cm; 5 1/8“**



Art.Nr.	Beschreibung | *Description*	
086-520-45	**konisch mit Griffplatte | tapered with finger plate** cónico con apoya dedo | conique avec appui-doigt conico con appoggiadita	**Ø 4,5 mm** **15,5 cm; 6 1/8"**



086-702-20	**SKILLERN** **Keilbein Sonde | Sphenoidalis probe** Sonda para esfenoides | Sonde sphénoïdal Sonda per seno sfenoidale **Silber | Silver** | Plata | Argent | Argento	**Ø 2,0 mm** **16,5 cm; 6 4/8“**



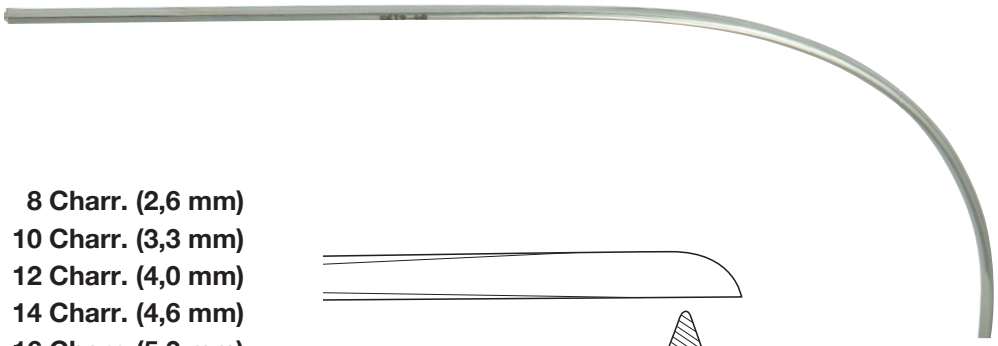
Art.Nr.	Beschreibung | *Description*	
	REDON	**19,5 cm; 7 5/8"**



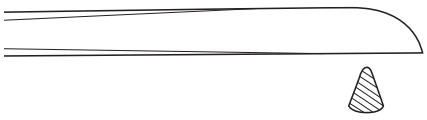
086-780-08	8 Charr. (2,6 mm)	
086-780-10	10 Charr. (3,3 mm)	
086-780-12	12 Charr. (4,0 mm)	
086-780-14	14 Charr. (4,6 mm)	
086-780-16	16 Charr. (5,3 mm)	
086-780-18	18 Charr. (6,0 mm)	



	REDON	**14,0 cm; 5 4/8"**



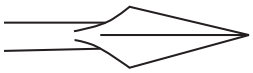
086-781-08	8 Charr. (2,6 mm)	
086-781-10	10 Charr. (3,3 mm)	
086-781-12	12 Charr. (4,0 mm)	
086-781-14	14 Charr. (4,6 mm)	
086-781-16	16 Charr. (5,3 mm)	
086-781-18	18 Charr. (6,0 mm)	



Art.Nr.	Beschreibung | *Description*	
	REDON	**19,5 cm; 7 5/8"**



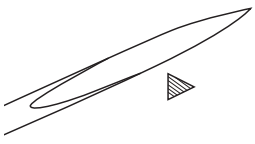
086-783-08	8 Charr. (2,6 mm)
086-783-10	10 Charr. (3,3 mm)
086-783-12	12 Charr. (4,0 mm)
086-783-14	14 Charr. (4,6 mm)
086-783-16	16 Charr. (5,3 mm)
086-783-18	18 Charr. (6,0 mm)



Art.Nr.	Beschreibung | *Description*	
	REDON	**19,5 cm; 7 5/8"**



086-784-08	8 Charr. (2,6 mm)
086-784-10	10 Charr. (3,3 mm)
086-784-12	12 Charr. (4,0 mm)
086-784-14	14 Charr. (4,6 mm)
086-784-16	16 Charr. (5,3 mm)
086-784-18	18 Charr. (6,0 mm)



Art.Nr.	Beschreibung | *Description*

Dreiringspritze mit Glaszylinder
3-ring syringe with glass barrel
Jeringa de tres anillos con cilindro de vidrio
Seringue à trois anneaux
Siringa da tre anelli con cilindro di vetro

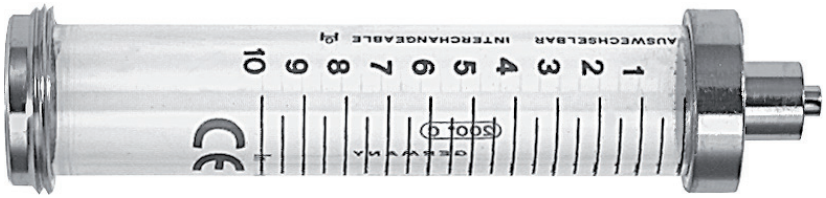
Luer-Lock Ansatz | Luer-Lock connection
Conexión Luer-Lock | Avec raccord Luer-Lock | Raccardo Luer-Lock



087-055-02	2 ml
087-055-05	5 ml
087-055-10	10 ml

Ersatzzylinder
Spare barrel
Cilindro de repuesto
Cylindre de rechange
Cilindri di ricambio

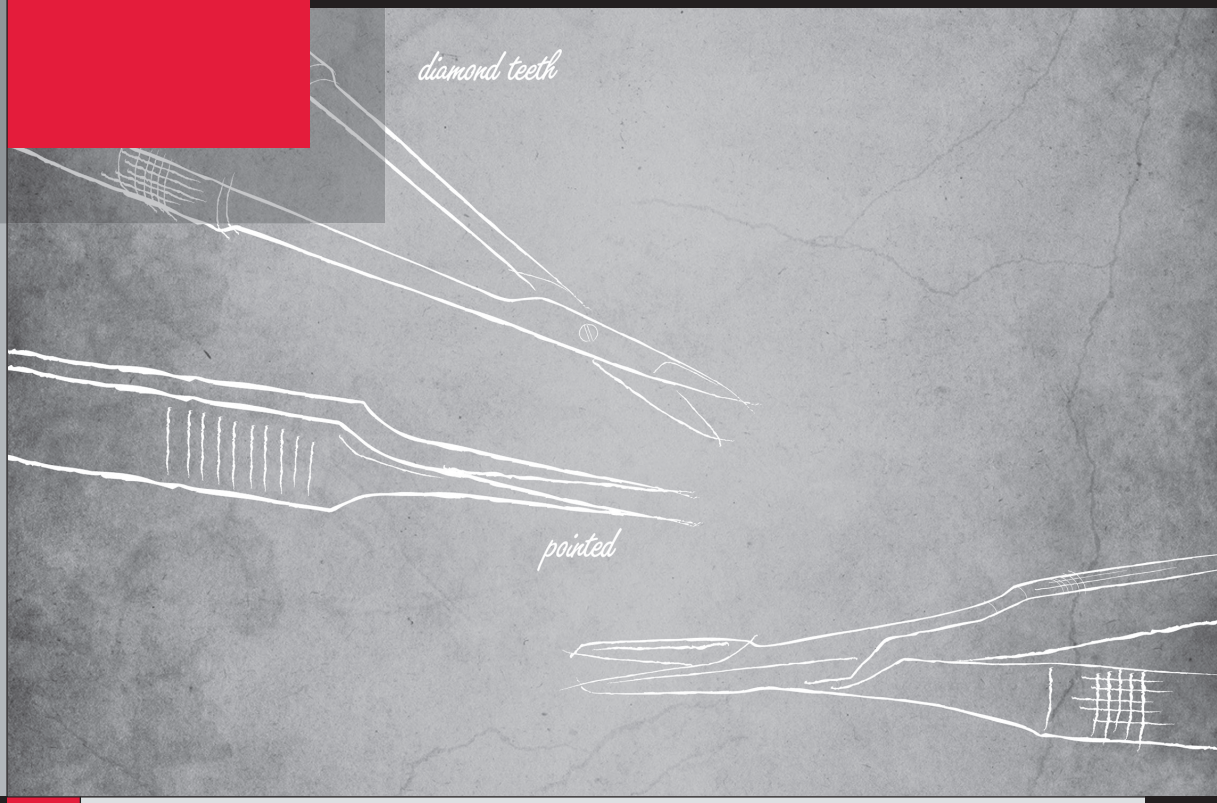
Luer-Lock Ansatz | Luer-Lock connection
Conexión Luer-Lock | Avec raccord Luer-Lock | Raccardo Luer-Lock



087-056-02	2 ml
087-056-05	5 ml
087-056-10	10 ml

TONTARRA

OPEN SURGERY



Mikroscheren

Micro Scissors

Micro-Tijeras

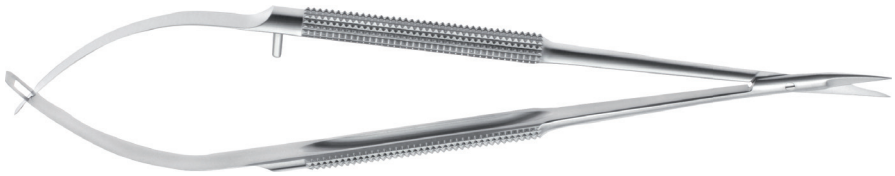
Micro-Ciseaux

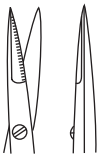
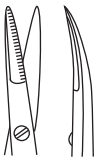
Micro-Forbici

090-091

Mikroscheren mit Rundgriff
Micro Scissors with round Handle
Micro-Tijeras con mango redondo
Micro-Ciseaux avec manche ronde
Micro-Forbici con manico rotondo

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*



				
	A	D	A 	D 
Blade size:	**9 mm**	**9 mm**	**9 mm**	**9 mm**
15,0 cm; 5 7/8"	**090-020-15**	**090-021-15**	**090-022-15**	**090-023-15**

Blade size:	**14 mm**	**14 mm**	**14 mm**	**14 mm**
15,0 cm; 5 7/8"	**090-030-15**	**090-031-15**	**090-032-15**	**090-033-15**

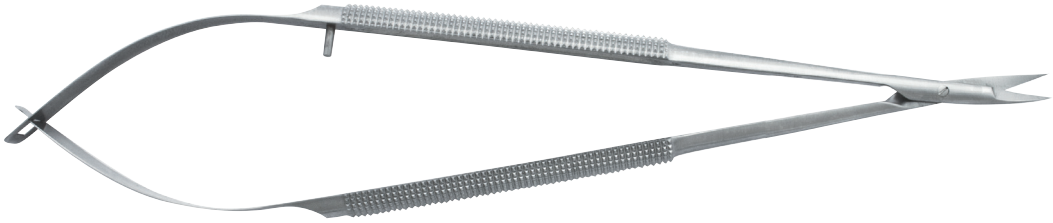
A
Adventitia
Adventitia
Adventicia
Advantice
Adventiva

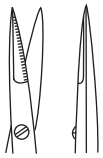
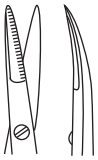
D
Präparation
Dissection
Disección
Dissection
Dissezione


Gezahnt
Toothed
Dentada
Dentelé
Dentellato

Mikroscheren mit Rundgriff
Micro Scissors with round Handle
Micro-Tijeras con mango redondo
Micro-Ciseaux avec manche ronde
Micro-Forbici con manico rotondo

Art.Nr. **Beschreibung** | ***Description*** ***Size*** ***Spez.***



					
	A	A	A	D	D
Blade size:	**10 mm**	**10 mm**	**10 mm**	**10 mm**	**10 mm**
15,0 cm; 5 7/8"	**090-050-15**	**090-051-15**			
18,0 cm; 7 1/8"	**090-050-18**	**090-051-18**	**090-052-18**	**090-053-18**	**090-055-18**
21,0 cm; 8 2/8"	**090-050-21**	**090-051-21**			
23,0 cm; 9"	**090-050-23**	**090-051-23**			

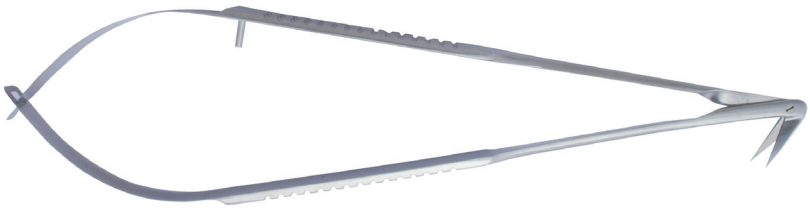
A
Adventitia
Adventitia
Adventicia
Advantice
Adventiva

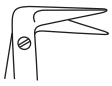
D
Präparation
Dissection
Disección
Dissection
Dissezione

Gezahnt
Toothed
Dentada
Dentelé
Dentellato

Mikroschere mit Flachgriff
Micro Scissors with flat handle
Micro-Tijeras con mango plano
Micro-Ciseaux avec manche plate
Micro-Forbici con manico piatto

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*



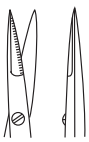
					
	125°	**25°**	**45°**	**60°**	**90°**
Blade size:	**10 mm**	**10 mm**	**10 mm**	**10 mm**	**10 mm**
17,0 cm; 6 6/8"	**091-000-12**	**091-000-25**	**091-000-45**	**091-000-60**	**091-000-90**

	125°	**25°**	**45°**	**60°**	**90°**
Blade size:	**7 mm**	**7 mm**	**7 mm**	**7 mm**	**7 mm**
17,0 cm; 6 6/8"	**091-010-12**	**091-010-25**	**091-010-45**	**091-010-60**	**091-010-90**

Mikroschere mit Flachgriff
Micro Scissors with flat handle
Micro-Tijeras con mango plano
Micro-Ciseaux avec manche plate
Micro-Forbici con manico piatto

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*



				
	A	D	A	D
Blade size:	**9 mm**	**9 mm**	**9 mm**	**9 mm**
15,0 cm; 5 7/8"	**091-020-15**	**091-021-15**	**091-022-15**	**091-023-15**

Blade size:	**14 mm**	**14 mm**	**14 mm**	**14 mm**
15,0 cm; 5 7/8"	**091-030-15**	**091-031-15**	**091-032-15**	**091-033-15**

A

Adventitia
Adventitia
Adventicia
Advantice
Adventiva

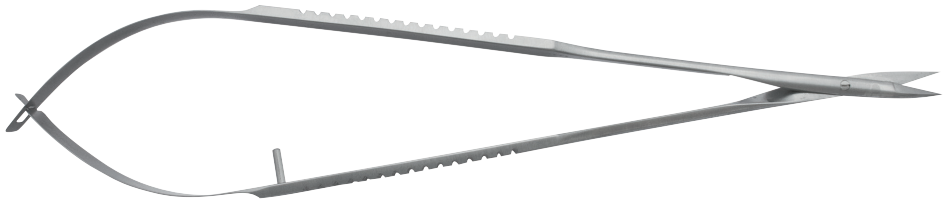
D

Präparation
Dissection
Disección
Dissection
Dissezione

Gezahnt
Toothed
Dentada
Dentelé
Dentellato

Mikroschere mit Flachgriff
Micro Scissors with flat Handle
Micro-Tijeras con mango plano
Micro-Ciseaux avec manche plate
Micro-Forbici con manico piatto

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*



			
	A	A	D
Blade size:	**10 mm**	**10 mm**	**10 mm**
15,0 cm; 5 7/8"	**091-050-15**	**091-051-15**	
18,0 cm; 7 1/8"	**091-050-18**	**091-051-18**	**091-055-18**
21,0 cm; 8 2/8"	**091-050-21**	**091-051-21**	
23,0 cm; 9"	**091-050-23**	**091-051-23**	

A

Adventitia
Adventitia
Adventicia
Advantice
Adventiva

D

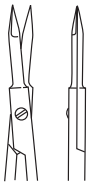
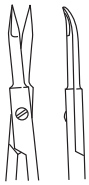
Präparation
Dissection
Disección
Dissection
Dissezione

Mikroschere mit Flachgriff
Micro Scissors with flat Handle
Micro-Tijeras con mango plano
Micro-Ciseaux avec manche plate
Micro-Forbici con manico piatto

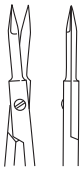
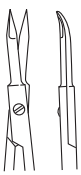
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

JACOBSON



				
Blade size:	**15 mm**	**15 mm**	**12 mm**	**12 mm**
20,5 cm; 8 1/8"	**091-100-23**	**091-101-23**	**091-102-23**	**091-103-23**



				
Blade size:	**15 mm**	**15 mm**	**12 mm**	**12 mm**
15,5 cm; 6 1/8"	**091-120-15**	**091-121-15**	**091-110-15**	**091-111-15**
18,5 cm; 7 2/8"	**091-120-18**	**091-121-18**	**091-110-18**	**091-111-18**

Mikroschere mit Flachgriff
Micro Scissors with flat Handle
Micro-Tijeras con mango plano
Micro-Ciseaux avec manche plate
Micro-Forbici con manico piatto

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

NOYES

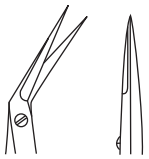


		
Blade size:	**15 mm**	**15 mm**
12,0 cm; 4 6/8"	**091-200-12**	**091-201-12**



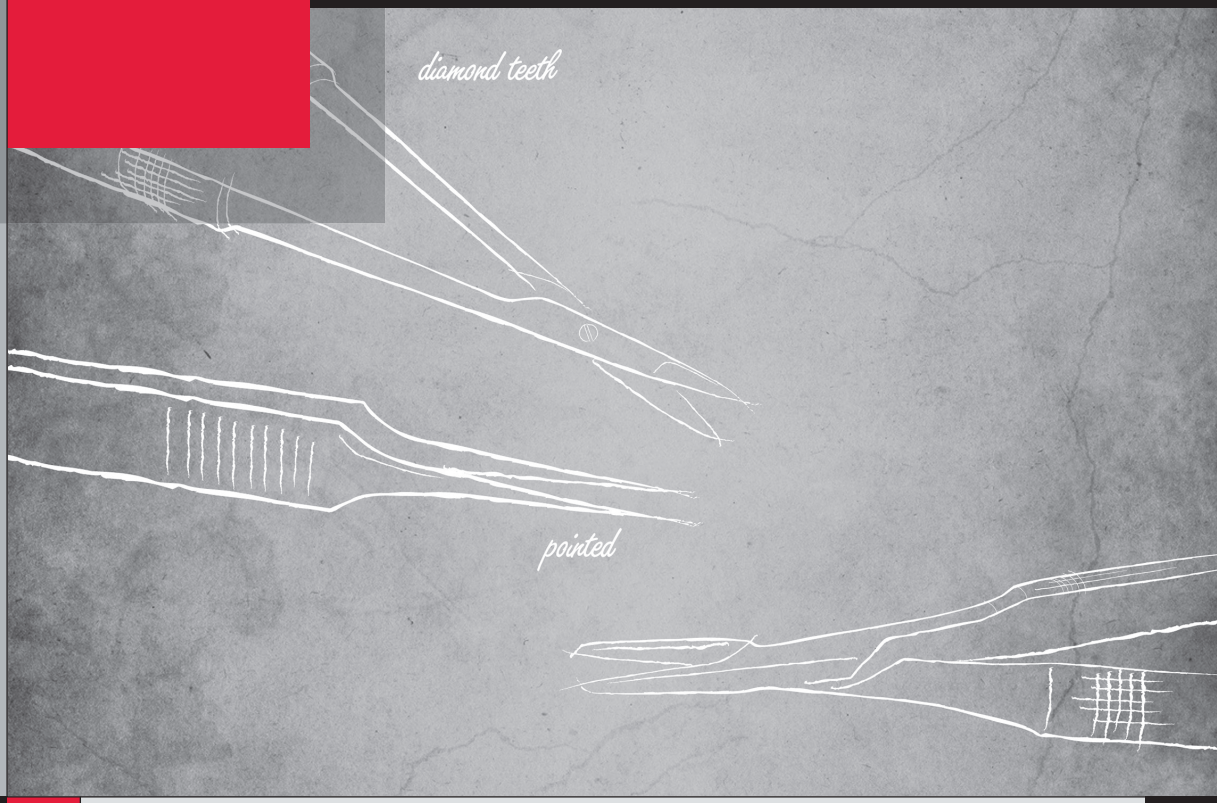
	
Blade size:	**15 mm**
10,0 cm; 3 7/8"	**091-202-10**



	
	45°
Blade size:	**15 mm**
9,5 cm; 3 6/8"	**091-203-09**

TONTARRA

OPEN SURGERY



Mikropinzetten

Micro Forceps

Micro-Pinzas

Micro-Pinces

Micro-Pinze

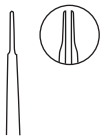
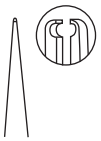
094-095

Mikropinzetten mit Rundgriff
Micro Forceps with round Handle
Micro-Pinzas con mango redondo
Micro-Pinces avec manche ronde
Micro-Pinze con manico rotondo

Art.Nr. | **Beschreibung** | ***Description*** | ***Size*** | ***Spez.***

mit Gegengewicht
with counter balance
con contrapeso
avec contre-poids
con contra peso



					
					
				Dilatation	**Pierse**
Tip size:	**0,3 mm**	**0,3 mm**	**1,0 x 0,5 mm**	**0,3 mm**	**0,3 mm**
15,0 cm; 5 7/8"	**094-100-15**	**094-101-15**	**094-104-15**	**094-106-15**	**094-108-15**
18,0 cm; 7 /18"	**094-100-18**	**094-101-18**	**094-104-18**	**094-106-18**	**094-108-18**





						
Tip size:	**0,4 mm**	**0,4 mm**	**0,7 mm**	**0,7 mm**	**1,0 x 0,5 mm**	**2,0 x 1,0 mm**
15,0 cm; 5 7/8"	**094-200-15**	**094-201-15**	**094-202-15**	**094-203-15**	**094-210-15**	**094-212-15**
18,0 cm; 7 1/8"	**094-200-18**	**094-201-18**	**094-202-18**	**094-203-18**	**094-210-18**	**094-212-18**
21,0 cm; 8 2/8"			**094-202-21**	**094-203-21**	**094-210-21**	**094-212-21**
23,0 cm; 9"			**094-202-23**	**094-203-23**	**094-210-23**	**094-212-23**



Diamantiert
Diamond coated
Diamantada
Diamonté
Diamantata

Mikropinzetten mit Rundgriff
Micro Forceps with round Handle
Micro-Pinzas con mango redondo
Micro-Pinces avec manche ronde
Micro-Pinze con manico rotondo

Art.Nr. **Beschreibung** | ***Description*** ***Size*** ***Spez.***





	Atrauma
Tip size:	**1,2 mm**
15,0 cm; 5 7/8"	**094-216-15**
18,0 cm; 7 1/8"	**094-216-18**
23,0 cm; 9"	**094-216-21**





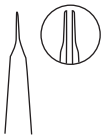
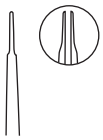
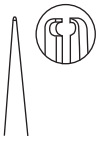



	1x2	1x2	1x2	1x2
Tip size:	**0,3 mm**	**0,3 mm**	**0,7 mm**	**0,7 mm**
15,0 cm; 5 7/8"	**094-220-15**	**094-221-15**	**094-222-15**	**094-223-15**
18,0 cm; 7 1/8"	**094-220-18**	**094-221-18**	**094-222-18**	**094-223-18**
21,0 cm; 8 2/8"			**094-222-21**	**094-223-21**
23,0 cm; 9"			**094-222-23**	**094-223-23**

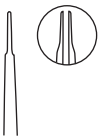
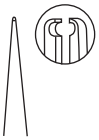
Diamantiert
Diamond coated
Diamantada
Diamonté
Diamantata

Mikropinzetten mit Flachgriff
Micro Forceps with flat Handle
Micro-Pinzas con mango plano
Micro-Pinces avec manche plate
Micro-Pinze con manico piatto



Art.Nr.	Beschreibung | *Description*				*Size*	*Spez.*
							
			Dilatation	Dilatation	Pierse	45°	90°
Tip size:		0,3 mm	0,2 mm	0,3 mm	0,3 mm	0,3 mm	0,3 mm
11,0 cm; 4 3/8"		095-000-11	095-002-11	095-003-11	095-004-11	095-005-11	095-006-11
13,0 cm; 5 1/8"		095-000-13	095-002-13	095-003-13	095-004-13	095-005-13	095-006-13



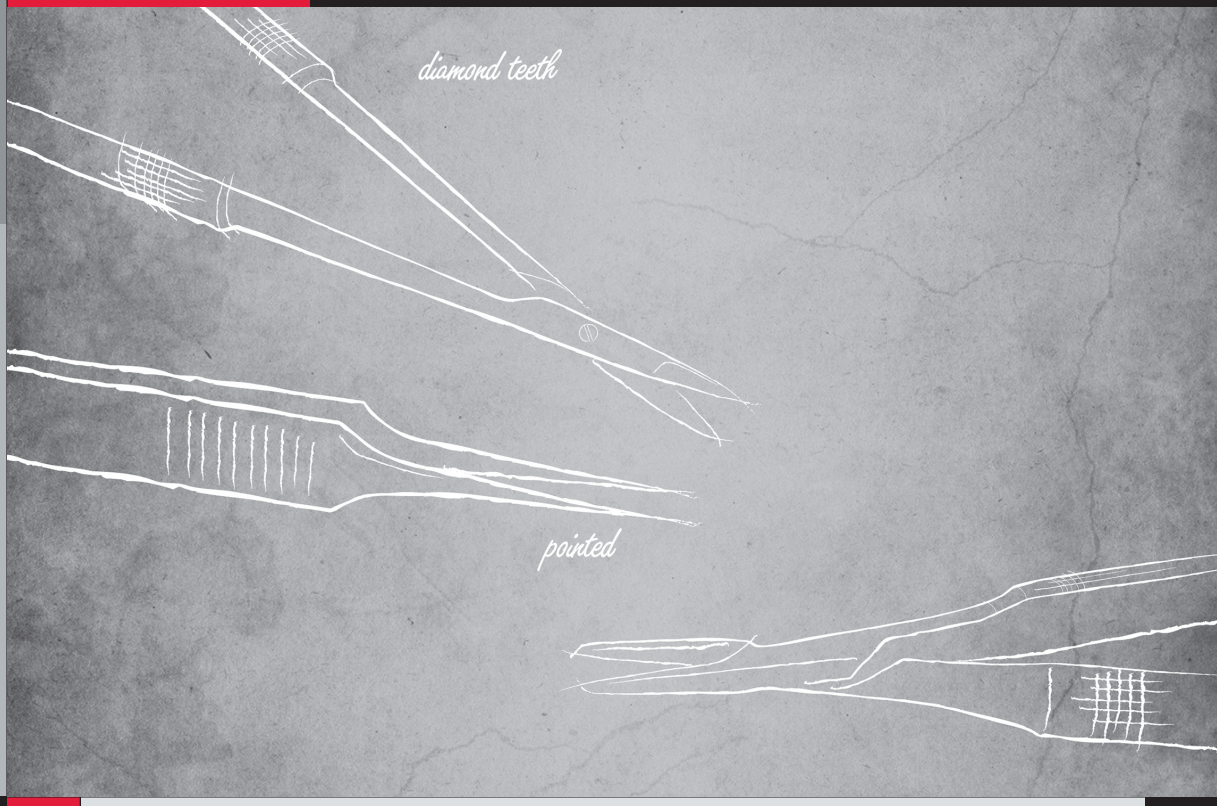
						
					Dilatation	Pierse
Tip size:	0,4 mm	0,4 mm	0,4 mm, 45°	1,0 x 0,5 mm	0,3 mm	0,4 mm
15,0 cm; 5 7/8"	095-100-15	095-101-15	095-103-15	095-104-15	095-106-15	095-108-15
18,0 cm; 7 1/8"	095-100-18	095-101-18	095-103-18	095-104-18	095-106-18	095-108-18



Diamantiert
Diamond coated
Diamantada
Diamontée
Diamantata

TONTARRA

OPEN SURGERY



Mikro Nadelhalter

Micro Needle Holders

Micro Porta-agujas

Micro Porte-aiguilles

Micro Portaghi

096-098

Mikro Nadelhalter mit Rundgriff
Micro Needle Holders with round Handle
Micro Porta-agujas con mango redondo
Micro Porte-aiguilles avec manche ronde
Micro Portaghi con manico rotondo

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*



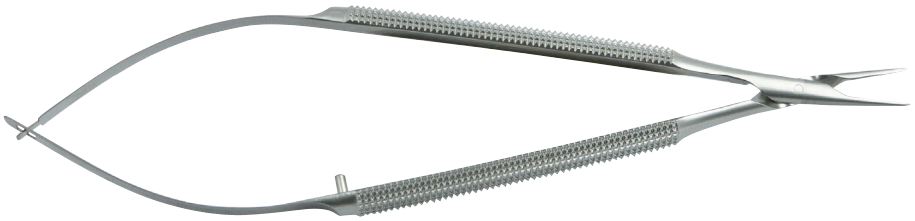
				
Tip size:	**0,3 mm**	**0,3 mm**	**0,3 mm**	**0,3 mm**
15,0 cm; 5 7/8"	**096-000-15**	**096-001-15**	**096-002-15**	**096-003-15**
	ohne Sperre **without catch** sin trinquete sans cran d'arrêt senza arresto		**mit Sperre** **with catch** con trinquete avec cran d'arrêt con arresto	

960

Diamantiert
Diamond coated
Diamantada
Diamonté
Diamantata

Mikro Nadelhalter mit Rundgriff
Micro Needle Holders with round Handle
Micro Porta-agujas con mango redondo
Micro Porte-aiguilles avec manche ronde
Micro Portaghi con manico rotondo

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*



Tip size:	**0,4 mm**	**0,4 mm**	**0,4 mm**	**0,4 mm**
15,0 cm; 5 7/8"	**096-100-15**	**096-101-15**	**096-102-15**	**096-103-15**
18,0 cm; 7 1/8"	**096-100-18**	**096-101-18**	**096-102-18**	**096-103-18**
	ohne Sperre **without catch** sin trinquete sans cran d'arrêt senza arresto		**mit Sperre** **with catch** con trinquete avec cran d'arrêt con arresto	

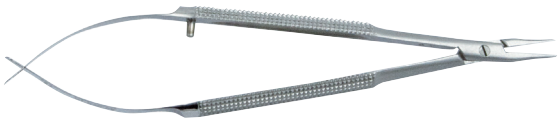
Tip size:	**0,8 mm**	**0,8 mm**	**0,8 mm**	**0,8 mm**
15,0 cm; 6"	**096-200-15**	**096-201-15**	**096-202-15**	**096-203-15**
18,0 cm; 7 1/8"	**096-200-18**	**096-201-18**	**096-202-18**	**096-203-18**
21,0 cm; 8 2/8"	**096-200-21**	**096-201-21**	**096-202-21**	**096-203-21**
23,0 cm; 9"	**096-200-23**	**096-201-23**	**096-202-23**	**096-203-23**
	ohne Sperre **without catch** sin trinquete sans cran d'arrêt senza arresto		**mit Sperre** **with catch** con trinquete avec cran d'arrêt con arresto	

Diamantiert
Diamond coated
Diamantada
Diamonté
Diamantata

Mikro Nadelhalter mit Rundgriff
Micro Needle Holders with round Handle
Micro Porta-agujas con mango redondo
Micro Porte-aiguilles avec manche ronde
Micro Portaghi con manico rotondo

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

BARRAQUER-TROUTMAN

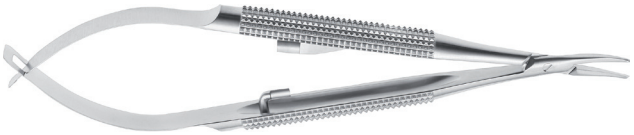


10,5 cm; 4 1/8"	096-300-10	096-301-10
	ohne Sperre without catch sin trinquete sans cran d'arrêt senza arresto	



10,5 cm; 4 1/8"	096-304-10	096-305-10
11,5 cm; 4 4/8"	096-304-11	096-305-11
	mit Sperre with catch con trinquete avec cran d'arrêt con arresto	

BARRAQUER

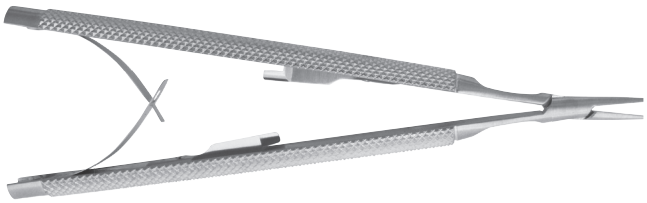


14,5 cm; 5 3/8"	096-306-13	096-307-13	096-308-13	096-309-13
	ohne Sperre without catch sin trinquete sans cran d'arrêt senza arresto		mit Sperre with catch con trinquete avec cran d'arrêt con arresto	

Mikro Nadelhalter mit Rundgriff
Micro Needle Holders with round Handle
Micro Porta-agujas con mango redondo
Micro Porte-aiguilles avec manche ronde
Micro Portaghi con manico rotondo

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

CASTROVIEJO

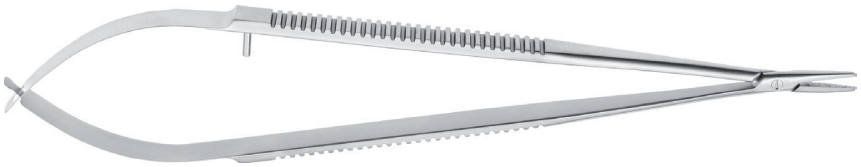


12,0 cm; 4 6/8"	**096-320-13**	**096-321-13**
	mit Sperre **with catch** con trinquete avec cran d'arrêt con arresto	

Mikro Nadelhalter mit Flachgriff
Micro Needle Holders with flat Handle
Micro Porta-agujas con mango plano
Micro Porte-aiguilles avec manche plate
Micro Portaghi con manico piatto

Art.Nr. | **Beschreibung** | ***Description*** | ***Size*** | ***Spez.***

CASTROVIEJO



				
	0,3 mm	**0,3 mm**	**0,3 mm**	**0,3 mm**
15,0 cm; 5 7/8"	**097-000-15**	**097-001-15**	**097-002-15**	**097-003-15**
	ohne Sperre **without catch** sin trinquete sans cran d'arrêt senza arresto		**mit Sperre** **with catch** con trinquete avec cran d'arrêt con arresto	

CASTROVIEJO



				
	0,4 mm	**0,4 mm**	**0,4 mm**	**0,4 mm**
18,0 cm; 7 1/8"	**097-100-18**	**097-101-18**	**097-102-18**	**097-103-18**
	ohne Sperre **without catch** sin trinquete sans cran d'arrêt senza arresto		**mit Sperre** **with catch** con trinquete avec cran d'arrêt con arresto	

Diamantiert
Diamond coated
Diamantada
Diamonté
Diamantata

Mikro Nadelhalter mit Flachgriff
Micro Needle Holders with flat Handle
Micro Porta-agujas con mango plano
Micro Porte-aiguilles avec manche plate
Micro Portaghi con manico piatto

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

CASTROVIEJO



				
14,5 cm; 5 6/8"	097-300-14	097-301-14	097-302-14	097-303-14
	ohne Sperre **without catch** sin trinquete sans cran d'arrêt senza arresto		**mit Sperre** **with catch** con trinquete avec cran d'arrêt con arresto	

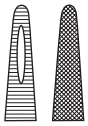
CASTROVIEJO



	
14,5 cm; 5,8"	097-311-14
	ohne Sperre **without catch** sin trinquete sans cran d'arrêt senza arresto

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	KALT		

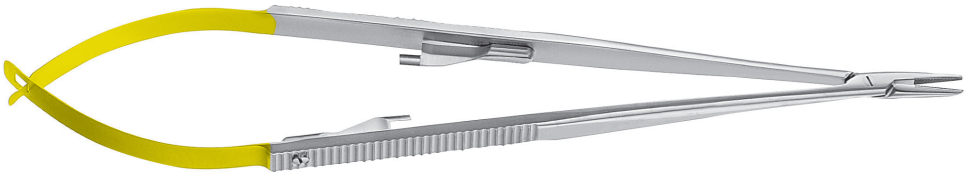


	
13,5 cm; 5 1/8"	**098-000-14**

Nadelhalter mit Hartmetalleinlagen
Needle Holders with Tungstem Carbide Inserts
Porta-agujas con bacas de carburo tungsteno
Porte-aiguilles avec inserts en carbure de tungstène
Portaghi con morsi in carburo di tungsteno

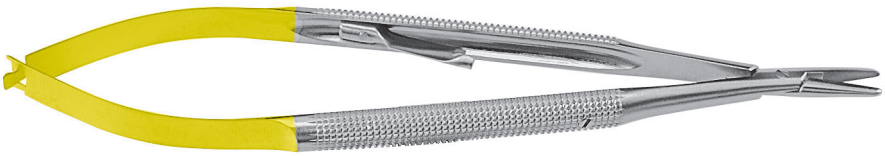
Art.Nr. | **Beschreibung** | ***Description*** | ***Size*** | ***Spez.***

CASTROVIEJO



14,5 cm; 5 3/4"	**098-020-14**	**098-021-14**	**098-024-14**	**098-025-14**
18,0 cm; 7"	**098-020-18**	**098-021-18**	**098-024-18**	**098-025-18**
	mit Sperre **with catch** con trinquete avec cran d'arrêt con arresto			

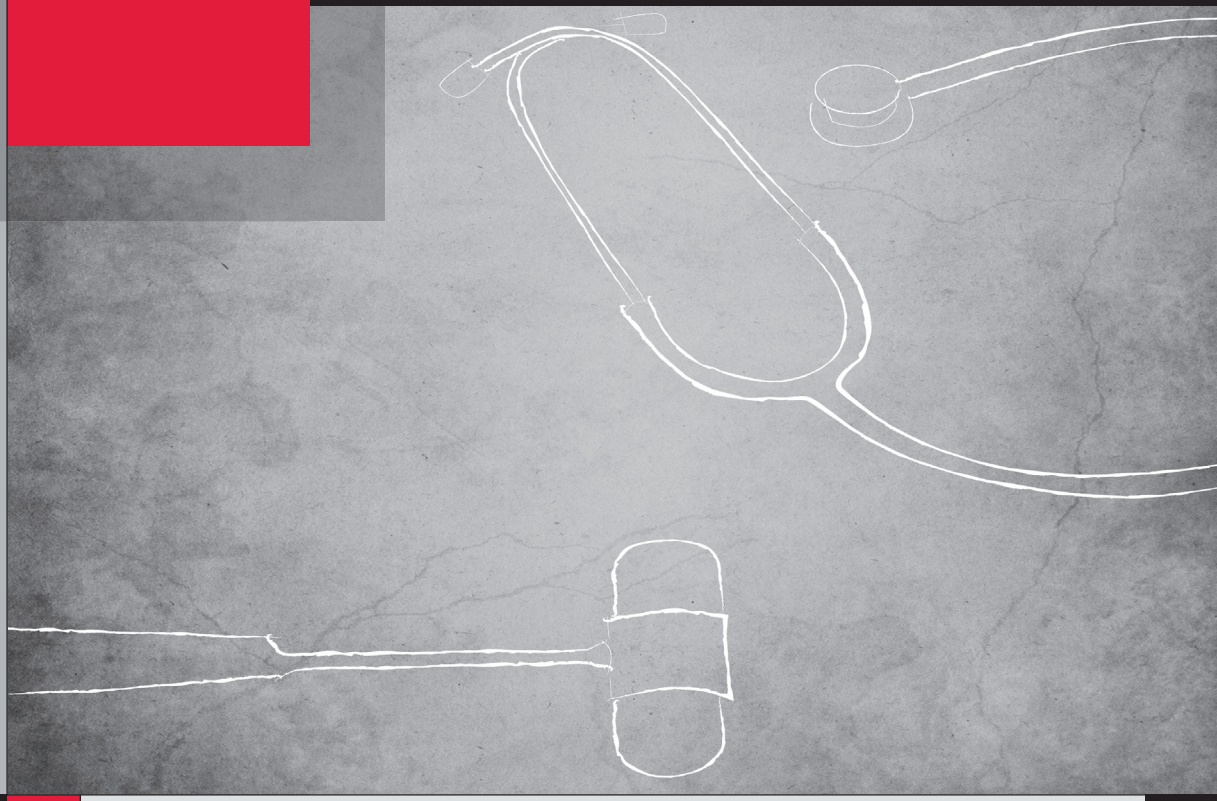
BARRAQUER



14,5 cm; 5 3/4"	**098-030-14**	**098-031-14**	**098-034-14**	**098-035-14**
18,0 cm; 7"	**098-030-18**	**098-031-18**	**098-034-18**	**098-035-18**
	mit Sperre **with catch** con trinquete avec cran d'arrêt con arresto			

TONTARRA

OPEN SURGERY



Diagnostik

Diagnostics

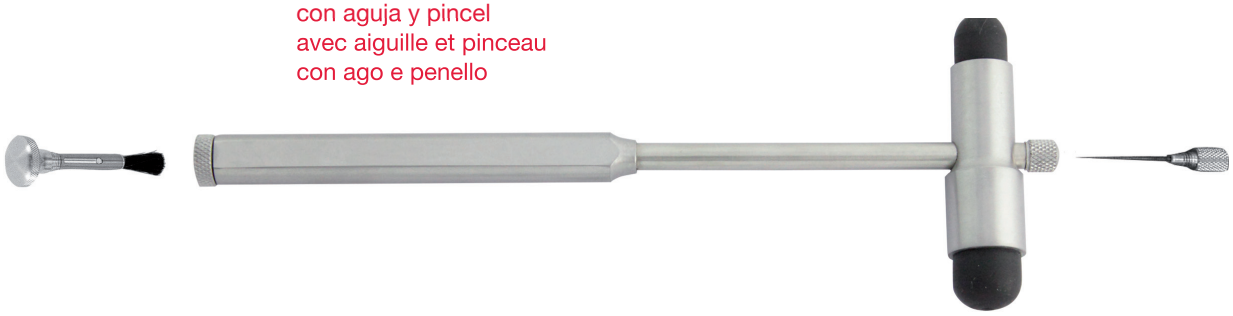
Diagnóstico

Diagnostic

Diagnostica

100

Art.Nr.	Beschreibung | *Description*		*Size*	*Spez.*
100-200-18	**BUCK**	**mit Nadel und Pinsel** **with needle and brush** con aguja y pincel avec aiguille et pinceau con ago e penello	**19,0 cm; 7 4/8"**	



100-217-20	**DEJERINE**		**20,0 cm; 7 7/8"**	



100-218-20	**DEJERINE**	**mit Nadel** **with needle** con aguja avec aiguille con ago	**20,0 cm; 7 7/8"**	



Art.Nr.	Beschreibung | *Description*		*Size*	*Spez.*
100-230-20	**CASTROVIEJO**	**Messbereich 20 mm** **Effective range 20 mm** Alcance de medición 20 mm Série effective 20 mm Rango effetivo 20 mm	**8,0 cm; 3 1/8"**	



100-231-20	**CASTROVIEJO**	**Messbereich 20 mm** **Effective range 20 mm** Alcance de medición 20 mm Série effective 20 mm Rango effetivo 20 mm	**8,0 cm; 3 1/8"**	



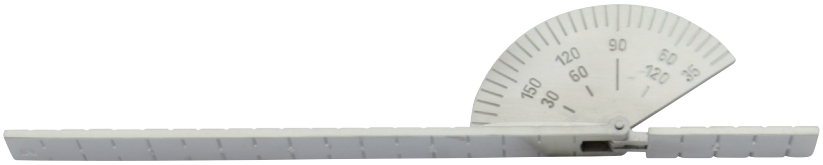


gebogen | **curved** | curvada | coudée | curvata

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	mm und Inch **graduated in mm and inches** graduada en mm y pulgadas divisé en mm et pouce diviso in milimetri e pollici		
100-250-15	**150 mm**		
100-250-20	**200 mm**		
100-250-30	**300 mm**		
100-250-50	**500 mm**		



Art.Nr.	Beschreibung | *Description*		*Size*	*Spez.*
100-270-00	**CAROLL**	**Fingergoniometer** **Finger Goniometer** Goniómetro para dedos Goniométres pour doigts Goniometro per dita	**14,5 cm; 5 6/8"**	



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
100-325-00	DUPLEX ALUMINIUM	Ø 48 mm	



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
100-322-00	DUPLEX-BABY ALUMINIUM	Ø 36 mm	



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
100-330-00	ANESTOPHON ALUMINIUM	Ø 48 mm	



Otoskopbesteck
Otoscope Set
Juego para Otoscopía
Trousse à otoscopie
Set per Otoscopia

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

100-360-00

Otoskopbesteck stufenlos verstellbarer Ophthalmoskopansatz mit Beleuchtungslinse und Batteriehandgriff; komplett in Etui bestehend aus:

SET



1 Batteriehandgriff (ohne Batterien)
1 Otoskopkopf mit Halogenbirne 2,5 V
je 1 wiederverwendbarer Ohrtrichter, Ø 2, Ø 3, Ø 4 und Ø 5 mm
je 5 Einwegohrtricher, Ø 2,5 und Ø 4,0 mm
1 Operationslupe, 2,5 x vergößernd
1 Ersatzbirnchen, Halogen, 2,5 V
1 abnehmbare Lupe, 4-fache Vergrößerung

- Otoskopkopf aus robustem Kunststoff
- Lichtführung durch Fiberoptik ergibt kreisrundes, weißes Lichtfeld sowie ein freies Blickfeld
- berührungsfreies Entfernen gebrauchter Ohrtrichter durch speziellen Auswurfmechanismus
- Anschlußmöglichkeit für Gebläse zur Durchführung pneumatischer Tests
- einfaches Verbinden von Handgriff und Otoskopkopf durch neuartigen Bajonettverschluß

Otoscope Set ophtalmoscope continuously adjustable with illumination lens and battery handle complete, in case consisting of:
1 battery handle (without batteries)
1 otoscope head with halogen bulb 2,5 V
1 each reusable ear speculum Ø 2, Ø 3, Ø 4 and Ø 5 mm
5 each disposable ear specula Ø 2,5 and Ø 4,0 mm
1 magnifying glass for operations, 2,5 x
1 spare bulb, halogen, 2,5 V
1 detachable magnifying glass, 4 x

- otoscope head made of robust plastic material
- light guidance by fiberoptic grants a round-shaped, white illuminated field of view
- touch-free removal of used ear specula by means of special ejecting device
- connector for pneumatic otoscopy
- simple mounting of handle and otoscope head by new designed bayonet fitting

Trousse à otoscopie ophtalmoscope avec régulation continue, avec lentille d'éclairage et manche à pile, complet en trousse composé de:
1 manche à pile (sans pile)
1 tête d'otoscope avec ampoule halogène 2,5 V
Une pièces par taille spécula auriculaires réutilisables de Ø 2, Ø 3, Ø 4 et Ø 5 mm
5 pièces par taille spécula auriculaires usage unique de Ø 2,5 et Ø 4,0 mm
1 loupe pour opérations, grossissement 2,5 x
1 ampoule de rechange, halogène, 2,5 V
1 loupe démontable, grossissement 4 x

- tête d'otoscope en matière plastique robuste
- guide lumière par système à fibre optique donnant un champ opératoire blanc et rond ainsi qu'un champ visuel libre
- enlèvement de spécula auriculaires usés sans contact par mécanisme spécial d'éjection
- possibilité de connection à poire avec soupape pour test pneumatique
- montage simple du manche jusqu'à la tête d'otoscope dû à la nouvelle fermeture à baïonette

Juego para Otoscopía oftalmoscopio con regulación continua, lente de iluminación y mango de pilas completo en estuche compuesto de:
1 mango de pilas (sin pilas)
1 cabeza de otoscopio con bombilla de halógeno 2,5 V
1 de c.u. espéculos auriculares reutilizables Ø 2, Ø 3, Ø 4 y Ø 5 mm
5 de c.u. espéculos auriculares desechables Ø 2,5 y Ø 4,0 mm
1 lupa para operaciones, aumento 2,5 x
1 bombilla de repuesto 2,5 V
1 lupa desmontable, aumento 4 x

- cabeza de otoscopio de plástico robusto
- guía de luz fría resulta en un campo de luz redondo y blanco
- expulsor especial para echar los espéculos utilizados sin tocarlos
- conexión para el test neumático
- montaje sencilla del mango a la cabeza de otoscopio por nueva cierre de bayoneta

Set per Otoscopia oftalmoscopio con regolazione continua, con lente d`illuminazione e manico per pile completo in astuccio composto de:
1 manico per pila (senza pila)
1 testa di otoscopio con lampadina alogena 2,5 V
1 ognuno specolo auricolare riutilizzabile di Ø 2, Ø 3, Ø 4 et Ø 5 mm
5 ognuno specoli auricolari riutilizzabili di Ø 2,5 e Ø 4,0 mm
1 lente per operazione, ingrandimento 2,5 x
1 lampadina di ricambio, alogena, 2,5 V
1 lente smontabile, ingrandimento 4 x

- testa di otoscopio di materia plastica robusta
- guida luce per mezzo di sistema a fibra otticho, di ottenere un campo operatorio bianco circolare, cosí anche un campo visivo libero
- prelevamento degli specoli auricolari usati senza contatto per mezzo di meccanismo di espulsione
- possibilità di connessione a monopalla per test pneumatico
- montaggio facile del manico fino alla testa mediante chiusura a baionetta nuova

Ophthalmoskopbesteck
Ophtalmoscope Set
Juego para Oftalmología
Trousse à ophtalmoscopie
Set per oftalmologia

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
100-365-00	**Ophthalmoskopbesteck komplett in Etui bestehend aus:** 1 Batteriehandgriff (ohne Batterien) 1 Ophthalmoskop mit Halogenbirne 2,5 V 1 Lupe 1 Ersatzbirnchen, Halogen, 2,5 V • Opthalmoskopkopf aus robustem Kunststoff • beleuchtete Anzeige der Blenden- und Linseneinstellung • Linsenrad mit Korrekturlinse (von 0 bis + 40 D und von 0 bis -35 D) • neues Blendenrad mit Anwahlmöglichkeit von 6 Blenden • Zuschaltmöglichkeit von Blau-, Grün- und Polarisations-filtern zu den einzelnen Linsen		SET



Ophtalmoscope Set complete in case consisting of:
1 battery handle (without batteries)
1 ophtalmoscope with halogen bulb, 2,5 V
1 magnifying glass
1 spare bulb, halogen, 2,5 V

- ophtalmoscope head made of robust plastic material
- illuminated display of screen and lens adjustment
- lens wheel with corrective lens (from 0 to + 40 D and from 0 to -35 D)
- new screen device, 6 selectable screens
- blue, green and polarization filters can be connected

Juego para Oftalmología completo en estuche compuesto de:
1 mango de pilas (sin pilas)
1 oftalmoscopio con bombilla de halógeno 2,5 V
1 lupa
1 bombilla de repuesto 2,5 V

- cabeza de oftalmoscopio de plástico robusto
- indicación iluminada del ajuste de las aberturas y los lentes
- lente de corrección (de 0 a + 40 D y 0 a - 35 D)
- nuevo dispositivo de abertura con selección de 6 aberturas
- filtros: azúl, verde y polarizador, utilizable cada filtro con cada lente

Trousse à ophtalmoscopie complet en trousse composé de:
1 manche à pile (sans pile)
1 tête d'ophtalmoscope avec ampoule halogène 2,5 V
1 loupe
1 ampoule de rechange, halogène, 2,5 V

- tête d'ophtalmoscope en matière plastique robuste
- indication illuminée d'ajustement de l'ouverture et de lentilles
- lentille de correction (de 0 jusqu'à + 40 D et de 0 jusqu'à - 35 D)
- dispositif d'ouverture nouveau avec selection de 6 ouvertures
- filtres: bleu, vert et polarisation, chaque filtre peut être utilisé avec chaque lentille

Set per oftalmologia completo in astuccio composta da:
1 manico per pila (senza pila)
1 testa di oftalmoscopio con lampadina alogena 2,5 V
1 lente
1 lampadina di ricambio, alogena, 2,5 V

- testa di oftalmoscopio in materia plastica robusta
- indicazione illuminata di aggiustamento della apertura di lente
- lente di correzione (di 0 fino a 40 D e di 0 fino a - 35 D)
- dispositivo di apertura nuovo con selezione di 6 aperture
- filtri: azzurro, verde e polarizzazione, ognuno filtro utilizzabile con lente

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
100-370-00	**Diagnostikbesteck kombiniert, komplett in Etui** **bestehend aus:** 1 Batteriehandgriff (ohne Batterien) 1 Ophthalmoskop mit Halogenbirne 2,5 V 1 Otoskopkopf mit Halogenbirne 2,5 V je 1 wiederverwendbarer Ohrtrichter, Ø 2, Ø 3, Ø 4 und Ø 5 mm je 5 Einwegohrtricher, Ø 2,5 und Ø 4,0 mm 1 Operationslupe, 2,5-fache Vergrößerung 1 Ersatzbirnchen, Halogen, 2,5 V		SET



Diagnostic Set combined, complete in case consisting of:
1 battery handle (without batteries)
1 ophtalmoscope with halogen bulb, 2,5 V
1 otoscope head with halogen bulb 2,5 V
1 each reusable ear speculum Ø 2, Ø 3, Ø 4 and Ø 5 mm
5 each disposable ear specula Ø 2,5 and Ø 4,0 mm
1 magnifying glass for operations, 2,5 x
1 spare bulb, halogen, 2,5 V

Juego de Diagnóstico combinado, completo en estuche compuesto de:
1 mango de pilas (sin pilas)
1 oftalmoscopio con bombilla de halógeno 2,5 V
1 cabeza de otoscopio con bombilla de halógeno 2,5 V
1 de c.u. espéculos auriculares reutilizables Ø 2, Ø 3, Ø 4 y Ø 5 mm
5 de c.u. espéculos auriculares desechables Ø 2,5 y Ø 4,0 mm
1 lupa para operaciones, aumento 2,5 x
1 bombilla de repuesto 2,5 V

Kit de diagnostic combiné, complet en trousse composé de:
1 manche à pile (sans pile)
1 ophtalmoscope avec ampoule halogène 2,5 V
1 tête d'otoscope avec ampoule halogène 2,5 V
1 pièces par taille spécula auriculaires réutilisables de Ø 2, Ø 3, Ø 4 et 5 Ø mm
5 pièces par taille spécula auriculaires usage unique de Ø 2,5 et Ø 4,0 mm
1 loupe pour opérations, grossissement 2,5 x
1 ampoule de rechange, halogène, 2,5 V

Set per diagnostica combinato, completo in asstuccio composto da:
1 manico per pila (senza pila)
1 oftalmoscopio con lampadina alogena 2,5 V
1 testa di otoscopio con lampadina alogena 2,5 V
1 ognuno specolo auricolare riutilizzabile di Ø 2, Ø 3, Ø 4 e Ø 5 mm
5 ognuno specoli auricolari riutilizzabili di Ø 2,5 e Ø 4,0 mm
1 lente per operazione, ingrandimento 2,5 x
1 lampadina di ricambio, alogena, 2,5 V

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
100-375-00	**Universal-Diagnostik-Besteck, für Hals, Nase, Ohr und Auge komplett in Etui bestehend aus:** 1 Batteriegriff (ohne Batterien), 1 Otoskopansatz mit 3 Ohrtrichtern 1 Ophtalmoskopieansatz mit stufenloser Fokussiereinrichtung 1 Nasenspekulum 2 Kehlkopfspiegel mit Halter 1 Mundspatelhalter 2 Glühlampen		SET



Universal Diagnostic Set for ENT complete in case consisting of:
1 battery handle (without batteries)
1 otoscope with 3 ear specula
1 ophthalmoscope with stepless focusing
1 nasal speculum
2 laryngeal mirrors with holder
1 tongue depressor holder
2 bulbs

Juego Universal para diagnóstico para ojo, oído, naríz y garganta completo en estuche compuesto de:
1 mango de pila (sin pilas)
1 otoscopio con 3 espéculos auriculares
1 oftalmoscopio con enfoque sin graduar,
1 espéculo nasal
2 espejos laríngeos con soporte
1 soporte de bajalengua
2 bombillos

Trousse universelle à diagnostic, pour l`examen des oreilles, nez, larynx et les yeux complet en trousse composé de:
1 manche à pile (sans pile)
1 otoscope avec 3 spécula auriculaires
1 ophtalmoscope à réglage continu du foyer
1 spéculum nasal
2 miroirs larygiens avec cadre support
1 cadre support de abaisse-langue
2 lampes

Set universale per diagnostica, per l'esame di orecchi, naso, laringe ed occhi completo in astuccio composta da:
1 manico metallico per pila a secco (senza pila)
1 otoscopio con 3 specoli auricolari
1 oftalmoscopio con messa a fuoco non graduabile
1 specolo nasale
2 specchi laringei con supporto
1 spatola abbassalingua
2 lampadine

Stirnlampen; Staubinden
Head lamp; Compression Bandages
Lámpara frontal de luz; Venda de compresión
Lampes frontales; Bandes compressives
Lampada frontale a luce; Benda per compressione

Art.Nr.	Beschreibung | *Description*		*Size*	*Spez.*
100-150-55	**CLAR**	**mit Vacuum Lampe 6 V** **bulb 6 V** bombilla 6 V lampe 6 V lampadina 6 V	**Ø 55 mm**	



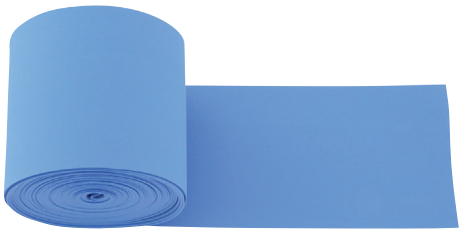
100-155-00	**CLAR**	**mit Trafo LED 230 V** **with transformer LED 230 V** con transformador LED 230 V avec transformateur LED 230 V con trasformatore LED 230 V	**Ø 55 mm**	



100-500-00	**Staubinde ri-clip** **Compression bandage ri-clip** Venda de compresión ri-clip Bandes compressives ri-clip Benda per compressione ri-clip			



	ESMARCH		**5 m (1 Box = 5 pcs.)**
100-510-06	**Ø 6,0 cm**		
100-510-08	**Ø 8,0 cm**		
100-510-10	**Ø 10,0 cm**		
100-510-12	**Ø 12,0 cm**		
100-510-15	**Ø 15,0 cm**		



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
100-520-00	**Komprimeter** **Comprimeter** Torniquete Tourniquet Apparecchio per vuto di sangue **mit 2 Manschetten und Pumpe; Messbereich 700 mm Hg** **with two cuffs and pump; measuring range 700 mm HG** con 2 brazaletes y bomba; alcance de medición 700 mm Hg avec 2 manchettes et pompe; pour mesurer jusqu'à 700 mm Hg con 2 bracciali e pompa; per misurare fino 700 mm Hg		SET
100-520-02	**Manschette für Oberschenkel** **Cuff for thigh** Brazalete para muslo Manchette pour fermur Cosciale solo per coscia	**950 x 130 mm**	
100-520-03	**Manschette für Oberarm** **Cuff for upper arm** Brazalete para brazo Manchette pour bras Cosciale solo per braccio	**560 x 95 mm**	







Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
100-560-00	**Tischmodell geeicht; mit Klettmanschette; Quecksilberröhre 300 mm** **Desk model calibrated; with velcro cuff; mercury tube 300 mm** Modelo para mesa calibrado; con brazalete de velcro; tubo de mercurio 300 mm Modèle table calibré; avec manchette velcro; tube à mercure 300 mm Modello tavola calibrado; con cosciale di velcro; tubo a mercurio 300 mm		
100-570-00	**geeicht; mit Klettmanschette** **calibrated; with velcro cuff** calibrado; con brazalete de velcro calibrè; avec manchette velcro calibrado; con cosciale di velcro		
100-580-00	**Wandmodell; geeicht; mit Klettmanschette; Quecksilberröhre 300 mm** **Wall mounted; calibrated with velcro cuff; mercury tube 300 mm** Modelo de pared; calibrado con brazalete de velcro; tubo de mercurio 300 mm Modèle mural; calibré; avec manchette velcro; tube à mercure 300 mm Modello murale; calibrado con cosciale di velcro; tubo a mercurio 300 mm		

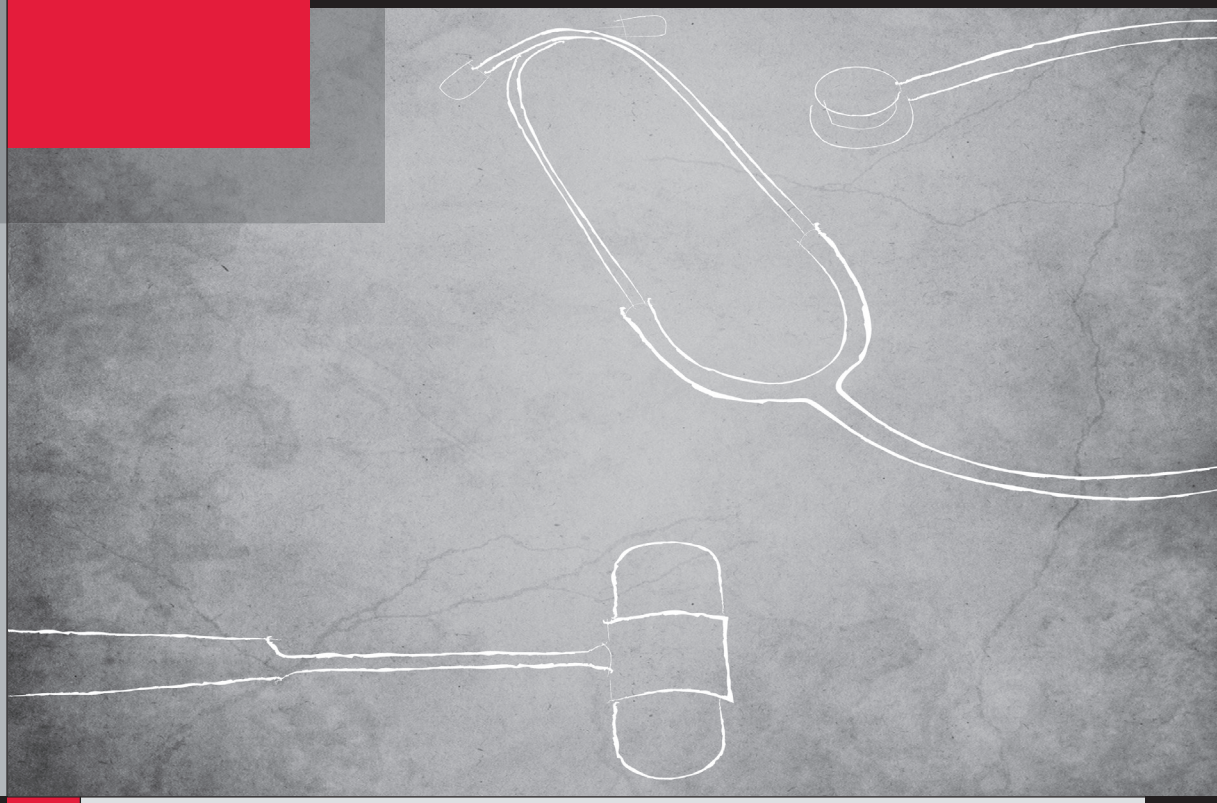






TONTARRA

OPEN SURGERY



Narkose

Anaesthesia

Anestesia

Anesthésie

Anestesìa

103

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

SET



	MC INTOSH 103-250-00 **Fig. 1-3**	**MC INTOSH 103-250-01** **Fig. 1-4**
bestehend aus: **consisting of:** compuesto de: composé de: composto di:	103-252-01 (Fig. 1) 103-252-02 (Fig. 2) 103-252-03 (Fig. 3) 103-240-00	103-252-01 (Fig. 1) 103-252-02 (Fig. 2) 103-252-03 (Fig. 3) 103-252-04 (Fig. 4) 103-240-00

	FOREGGER 103-260-00 **Fig. 0-4**	**FOREGGER 103-260-01** **Fig. 1-4**
bestehend aus: **consisting of:** compuesto de: composé de: composto di:	103-262-00 (Fig. 0) 103-262-01 (Fig. 1) 103-262-02 (Fig. 2) 103-262-03 (Fig. 3) 103-262-04 (Fig. 4) 103-240-00	103-262-01 (Fig. 1) 103-262-02 (Fig. 2) 103-262-03 (Fig. 3) 103-262-04 (Fig. 4) 103-240-00

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
103-282-00	**Ersatzlampe gross für Spatel Figur 2-4** **Spare bulb large for blades Fig. 2-4** Bombilla de repuesto grande para Fig. 2-4 Lampe de rechange grande pour spatule Fig. 2-4 Lampadine di ricambio grande per Fig. 2-4		
103-284-00	**Ersatzlampe klein für Spatel Figur 0-1** **Spare bulb small for blades Fig. 0-1** Bombilla de repuesto pequeño para Fig. 0-1 Lampe de rechange petit pour spatules Fig. 0-1 Lampadine di ricambio piccolo per Fig. 0-1		

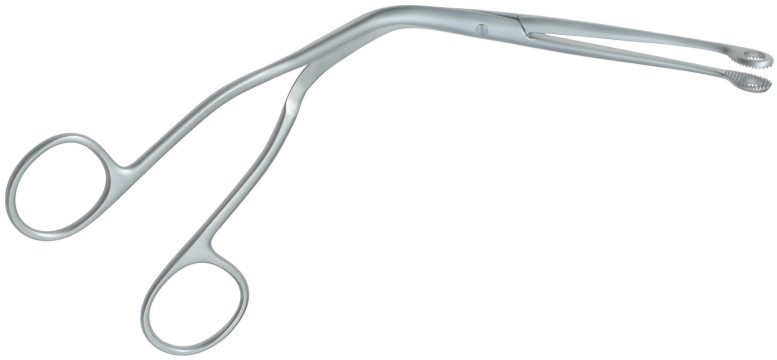
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

FIBER OPTIC SET



	MC INTOSH 103-300-00 **Fig. 1-3**	**MC INTOSH 103-300-01** **Fig. 1-4**	**FOREGGER 103-310-00** **Fig. 0-4**	**FOREGGER 103-310-01** **Fig. 1-4**
bestehend aus: **consisting of:** compuesto de: composé de: composto di:	103-302-01 (Fig. 1) 103-302-02 (Fig. 2) 103-302-03 (Fig. 3)	103-302-01 (Fig. 1) 103-302-02 (Fig. 2) 103-302-03 (Fig. 3)	103-312-00 (Fig. 0) 103-312-01 (Fig. 1) 103-312-02 (Fig. 2) 103-312-03 (Fig. 3) 103-312-04 (Fig. 4)	103-312-01 (Fig. 1) 103-312-02 (Fig. 2) 103-312-03 (Fig. 3) 103-312-04 (Fig. 4)

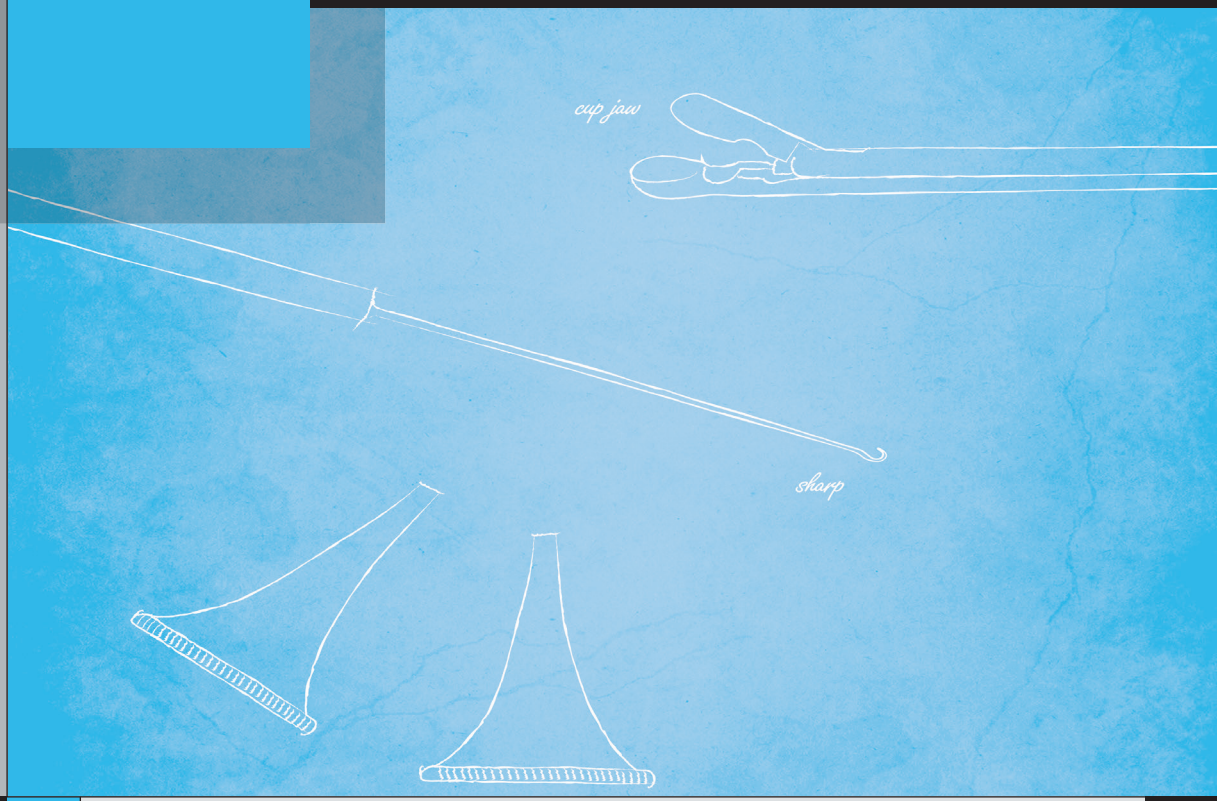
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	MAGILL **Kathetereinführungszange** **Catether introducing forcpes** Pinzas para catéteres Pince pour introduire les sondes Pinza per introdurre le sonde		



103-410-16	**16,0 cm; 6 2/8"**	
103-410-20	**20,0 cm; 7 7/8"**	
103-410-25	**25,0 cm; 9 7/8"**	

TONTARRA

OPEN SURGERY



Otologie

Otology

Otologia

Otologie

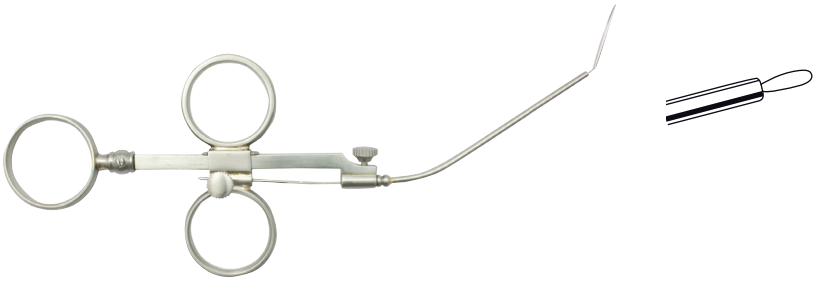
Otologia

111

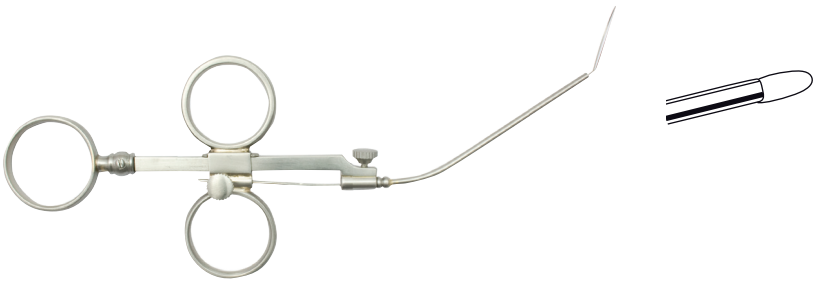
Art.Nr.	Beschreibung | *Description*			*Size*	*Spez.*
	HARTMANN				
					
111-020-03	**Satz mit Figur 0-2 für Kinder** **Set with Fig. 0-2 for children** Juego con Fig. 0-2 para niños Kit avec Fig. 0-2 pour enfants Set con Fig. 0-2 per bambini	**111-021-00**	**Fig. 0**	**3,0 mm**	0
		111-021-01	**Fig. 1**	**4,5 mm**	1
111-030-03	**Satz mit Figur 2-4 für Erwachsene** **Set with Fig. 2-4 for adults** Juego con Fig. 2-4 para adultos Kit avec Fig. 2-4 pour adultes Set con Fig. 2-4 per adulti	**111-021-02**	**Fig. 2**	**5,5 mm**	2
		111-021-03	**Fig. 3**	**6,5 mm**	3
111-030-04	**Satz mit Figur 1-4 für Erwachsene** **Set with Fig. 1-4 for adults** Juego con Fig. 1-4 para adultos Kit avec Fig. 1-4 pour adultes Set con Fig. 1-4 per adulti	**111-021-04**	**Fig. 4**	**7,5 mm**	4

Art.Nr.	Beschreibung | *Description*			Size	Spez.
	TOYNBEE				
					
111-034-03	**Satz mit Figur 2-4 für Erwachsene** **Set with Fig. 2-4 for adults** Juego con Fig. 2-4 para adultos Kit avec Fig. 2-4 pour adultes Set con Fig. 2-4 per adulti	**111-035-01**	**Fig. 1**	**3,0 mm**	①
		111-035-02	**Fig. 2**	**4,0 mm**	②
111-034-04	**Satz mit Figur 1-4 für Erwachsene** **Set with Fig. 1-4 for adults** Juego con Fig. 1-4 para adultos Kit avec Fig. 1-4 pour adultes Set con Fig. 1-4 per adulti	**111-035-03**	**Fig. 3**	**5,0 mm**	③
		111-035-04	**Fig. 4**	**6,5 mm**	④

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
111-100-00	**KRAUSE**	**18,0 cm; 7 1/8"**	
	offenes Ende | open tip | punta abierta | pointe ouverte | punta aperta		



111-110-00	**KRAUSE-VOSS**	**18,0 cm; 7 1/8"**	
	geschlossenes Ende | closed tip | punta cerrada | pointe fermée | punta chiusa		



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
111-210-00	**HARTMANN** **feines Modell | delicate model** | modelo delicado | modèle fin | modello fino	**12,0 cm; 4 6/8"**	





111-210-01	**HARTMANN** **normales Modell | regular model** | modelo regular | modèle normal | modello normale	**14,0 cm; 5 4/8"**	





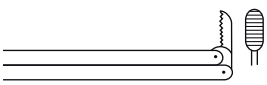
111-215-00	**BUCK** **Fremdkörperhebel** **Foreign body lever** Elevador para cuerpos extraños Pince pour corps étrangers Leva per corpi estranei	**11,5 cm; 4 4/8"**	





111-217-00	**QUIRE** **Fremdkörperhebel** **Foreign body lever** Elevador para cuerpos extraños Pince pour corps étrangers Leva per corpi estranei	**10,5 cm; 4 1/8"**	





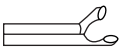
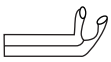
Art.Nr.	Beschreibung | *Description*		*Size*	*Spez.*
				
111-250-08	**HARTMANN-WULLSTEIN**		80 mm	
		1,8 x 0,8 mm		
111-252-08	**HARTMANN-WULLSTEIN**		85 mm	
		Ø 1,0 mm		
	HARTMANN			
111-256-08		1,8 x 9,0 mm	85 mm	
111-256-14			140 mm	
111-258-08	**HARTMANN**		85 mm	1 x 2
		2,0 x 6,0 mm		

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*



HARTMANN — **85 mm**



111-268-20	**Ø 2,0 mm** ○	
111-268-25	**Ø 2,5 mm** ○	
111-268-30	**Ø 3,0 mm** ◯	
111-280-30	**Ø 3,0 mm** ◯	

111-292-08 **STRUEMPEL** — **85 mm**




2,5 x 6,0 mm

111-298-20 **HARTMANN-HOFFMANN** — **85 mm**

durchschneidend | through-cutting | cortante | tranchante | tagliente

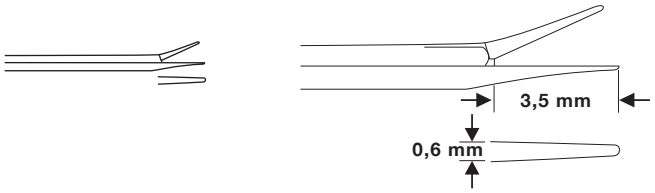



Ø 2,0 mm

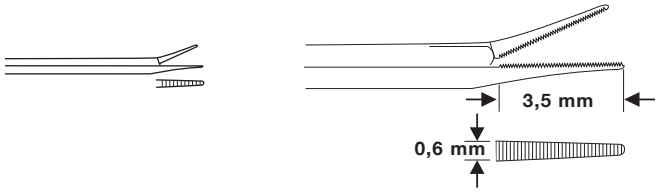
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	MINI-MC GEE	**80 mm**	



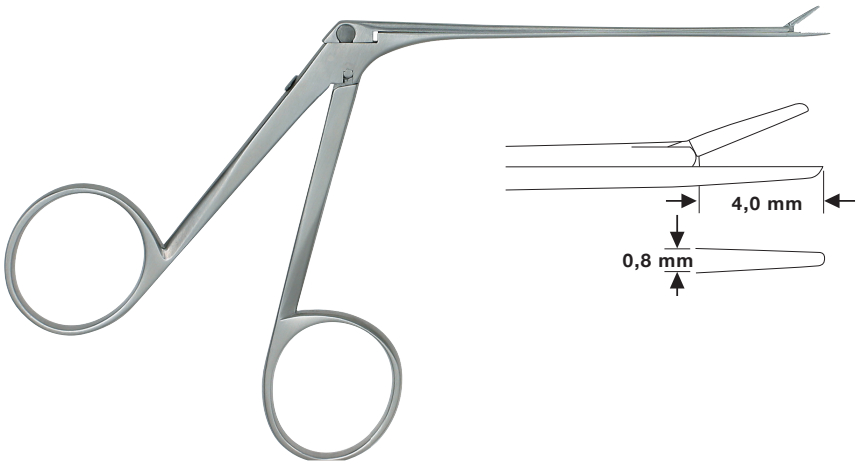
111-302-08 **glatt; gerade | smooth; straight** | lisa; recta | lisse; droite | liscia; retta



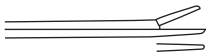
111-304-08 **gerieft; gerade | serrated; straight** | estriada; recta | striée; droite | con scanalatura; retta

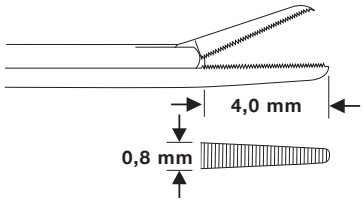


Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
		80 mm	

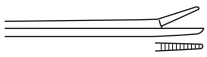


111-314-08 **glatt; gerade | smooth; straight** | lisa; recta | lisse; droite | liscia; retta

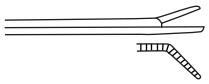




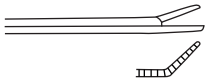
111-310-08 **gerieft; gerade | serrated; straight** | estriada; recta | striée; droite | con scanalatura; retta



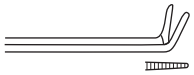
111-318-08 **gerieft; links | serrated; left** | estriada; izquierda | striée; gauche | con scanalatura; sinistra



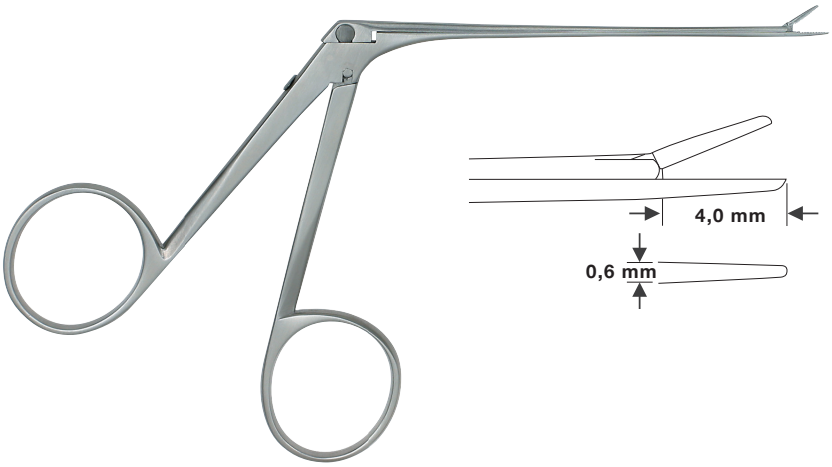
111-322-08 **gerieft; rechts | serrated; right** | estriada; derecha | striée; droite | con scanalatura; destra



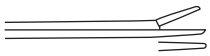
111-326-08 **gerieft, aufgebogen | serrated, bent upwards**
estriada; curva hacia arríba | striée; courbée vers le haut | con scanalatura; curva in alto

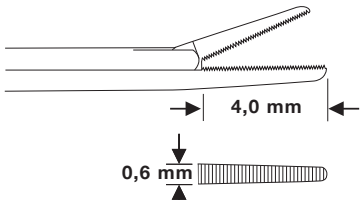


Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
		80 mm	

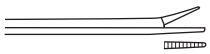


111-340-06 **glatt; gerade | smooth; straight** | lisa; recta | lisse; droite | liscia; retta

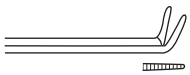




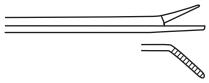
111-310-06 **gerieft; gerade | serrated; straight** | estriada; recta | striée; droite | con scanalatura; retta



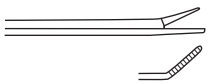
111-326-06 **gerieft, aufgebogen | serrated, bent upwards**
estriada; curva hacia arríba | striée; courbée vers le haut | con scanalatura; curva in alto



111-322-06 **gerieft; rechts | serrated; right** | estriada; derecha | striée; droite | con scanalatura; destra

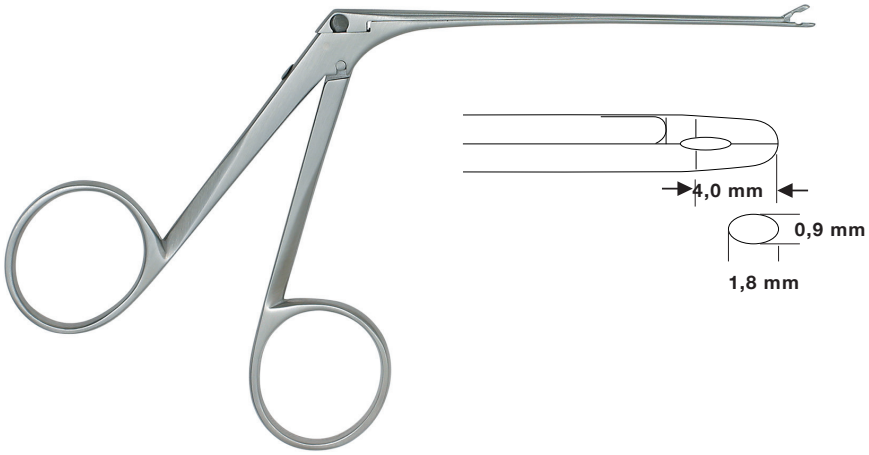


111-318-06 **gerieft; links | serrated; left** | estriada; izquierda | striée; gauche | con scanalatura; sinistra

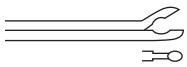


Mikro-Ohrzängchen
Micro Ear Forceps
Micro pinzas auriculares
Micro-pinces auriculaires
Micro pinze auricolari

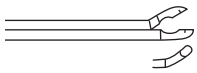
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
		80 mm	



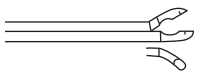
111-344-08 **gerade | straight** | recta | droite | retta



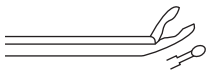
111-348-08 **rechts | right** | derecha | droite | destra



111-352-08 **links | left** | izquierda | gauche | sinistra



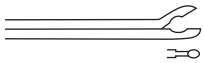
111-356-08 **aufgebogen | bent upwards** | curva hacia arriba | courbée vers le haut | curva in alto



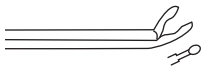
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	MINI-MC GEE	**80 mm**	



111-344-06 **gerade | straight** | recta | droite | retta



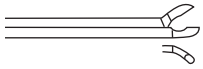
111-356-06 **aufgebogen | bent upwards** | curva hacia arríba | courbée vers le haut | curva in alto



111-348-06 **rechts | right** | derecha | droite | destra

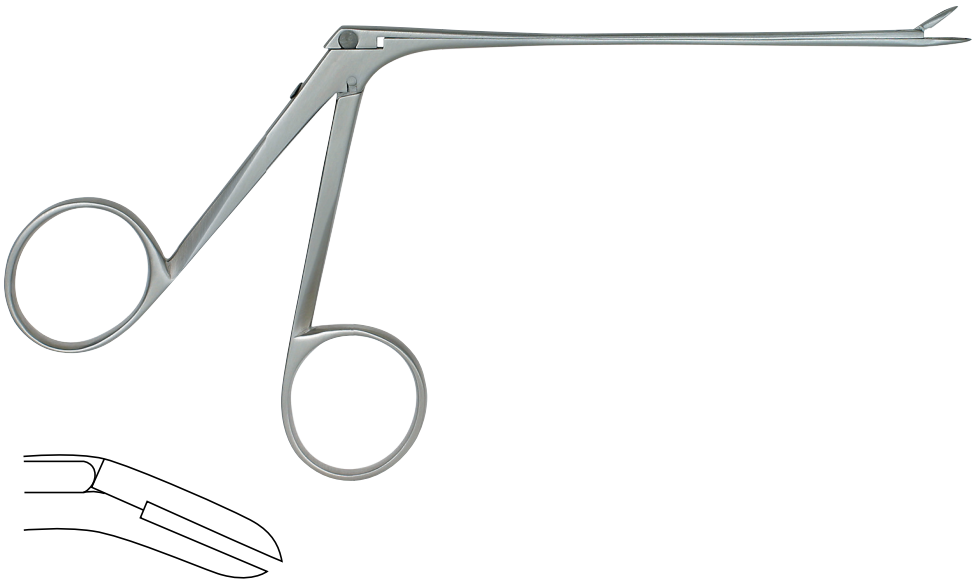


111-352-06 **links | left** | izquierda | gauche | sinistra



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	MC GEE	**80 mm**	

Drahtbiegezängchen | Wire bending forceps
Pinza para plegar alambre | Pince à plier les fils d'acier
Pinza per piegare fili metallici



111-366-08 **abgebogen | bent downwards** | curva hacia abajo | courbée vers le bas | curva in basso

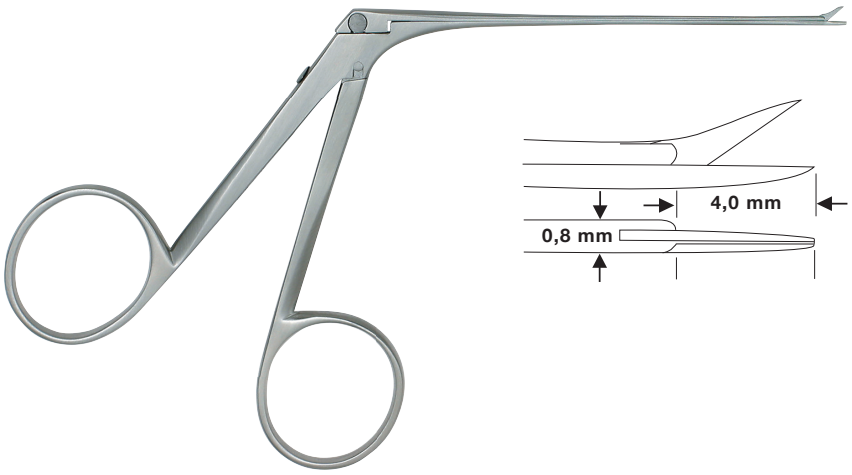


111-368-08 **abgebogen | bent downwards** | curva hacia abajo | courbée vers le bas | curva in basso



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	BELLUCCI	**80 mm**	

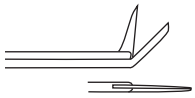
sehr fein | very fine | muy fina | très fine | molto delicata



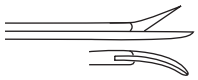
111-372-08 **gerade | straight** | recta | droite | retta



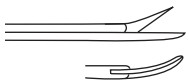
111-374-08 **aufgebogen | bent upwards** | curva hacia arríba | courbée vers le haut | curva in alto



111-376-08 **links | left** | izquierda | gauche | sinistra



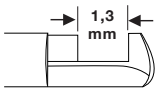
111-380-08 **rechts | right** | derecha | droite | destra



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	DIETER	**90 mm**	

Hammerkopfzängchen | Malleus Nipper
Pinza para cabeza del maléolo | Pince pour l'os marteau | Pinza per testa del martello



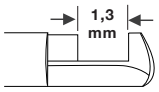


111-386-08 **gerade; aufwärts schneidend**
straight; cutting upwards | recta; corte hacia arriba | droite; tranchante en haut | retta; tagliente in alto



111-388-08 **gerade; abwärts schneidend**
straight; cutting downwards | recta; corte hacio abajo | droite; tranchante en bas | retta; tagliente in basso





111-387-08 **gerade; rechts schneidend**
straight; right cutting | recta; corte hacia derecho | droite; tranchante à droite | retta; tagliente a destra



111-389-08 **gerade; links schneidend**
straight; left cutting | recta; corte hacia izquierda | droite; tranchant à gauche | retta; tagliente a sinistra



Antrumstanzen
Antrum Punches
Pinza para seno maxilar
Pince pour sinus maxillaire
Pinze per seno mascellare

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	CITELLI	**75 mm**	
111-500-02	2 mm ⊃		
111-500-03	3 mm ⊃		



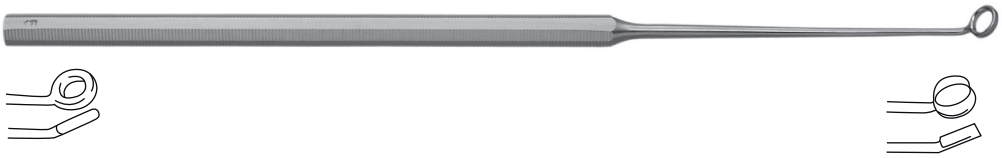
	BEYER	**95 mm**	
111-502-19	2 mm ⊃		



	KERRISON	**9,5 cm; 3 3/4"**	
111-506-03	3 x 3 mm ⊃		
111-506-04	4 x 4 mm ⊃		
111-506-05	5 x 5 mm ⊃		
111-506-06	6 x 6 mm ⊃		



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	BUCK	**15,0 cm; 6"**	



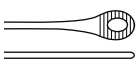
stumpf | blunt | romo | mousse | smusso

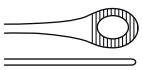
scharf | sharp | agudo | pointu | acuto

gerade | straight recta | droite retta	gebogen | curved curva | courbe curva		gerade | straight recta | droite retta	gebogen | curved curva | courbe curva
111-503-00	111-510-00	Fig. 000	111-513-00	111-520-00
111-504-00	111-511-00	Fig. 00	111-514-00	111-521-00
111-505-00	111-512-00	Fig. 0	111-515-00	111-522-00
111-505-01	111-512-01	Fig. 1	111-515-01	111-522-01
111-505-02	111-512-02	Fig. 2	111-515-02	111-522-02
111-505-03	111-512-03	Fig. 3	111-515-03	111-522-03
111-505-04	111-512-04	Fig. 4	111-515-04	111-522-04

SHAPLEIGH — **15,0 cm; 5 7/8"**



111-526-01 Fig. 1 

111-526-02 Fig. 2 

111-528-13 **LANGENBECK** — **13,0 cm; 5 1/8"**

stumpf | blunt | romo | mousse | smusso

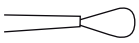
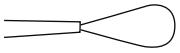
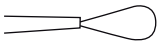


Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
111-532-15	**JANSEN**	**16,0 cm; 6 2/8"**	
	scharf | sharp | aguda | pointue | acuta		



	BILLEAU	**16,5 cm; 6 4/8"**	



111-540-01	**Fig. 1**		**111-540-03**	**Fig. 3**	
111-540-02	**Fig. 2**				

111-546-12	**GROSS**	**13,0 cm; 5 1/8"**	
	stumpf | blunt | romo | mousse | smusso		



111-556-16	**ZAUFAL**	**16,5 cm 6 4/8"**	
	Ohrhebel | Foreign body lever Elevador para cuerpos extranos | Levier anse auriculaire | Leva per corpi estranei		



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
111-550-16	**HARTMANN** scharf | sharp | agudo | pointue | acuto	16,5 cm; 6 4/8"	



	DAY	15,0 cm; 5,9"	



111-560-01	3 mm		111-560-02	2,5 mm	

	WAGENER	14,0 cm; 5 4/8"



111-588-01	4,0 mm		111-588-05	2,0 mm	
111-588-02	3,5 mm		111-588-06	1,5 mm	
111-588-03	3,0 mm		111-588-07	1,0 mm	
111-588-04	2,5 mm				

	LUCAE	14,0 cm; 5 4/8"



111-606-01	Fig. 1	2,0 mm	
111-606-02	Fig. 2	3,0 mm	
111-606-03	Fig. 3	4,0 mm	

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
111-615-16	**POLITZER**	**16,0 cm; 6 2/8"**	

Nadel horizontal | Needle horizontally
Aguja en posición horizontal | Aiguille horizontale | Ago orizontale



111-616-16	**POLITZER**	**16,0 cm; 6 2/8"**	

Nadel vertikal | Needle vertically
Aguja en posición vertical | Aiguille verticale | Ago verticale



111-618-18	**LUCAE**	**18,0 cm; 7 1/8"**	

Nadel vertikal | Needle vertically
Aguja en posición vertical | Aiguille verticale | Ago verticale



111-619-18	**LUCAE**	**18,0 cm; 7 1/8"**	

Nadel horizontal | Needle horizontally
Aguja en posición horizontal | Aiguille horizontale | Ago orizontale



Mikro-Ohrhäkchen; Mikro-Ohrnadeln
Micro Ear Hooks; Micro Ear Needles
Micro ganchitos auriculares; Micro agujas auriculares
Micro-crochets auriculaires; Micro-aiguilles auriculaires
Micro uncini auricolari; Micro aghi auricolari

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	BARBARA	**16,0 cm; 6 2/8"**	
			
111-636-06	**0,6 mm**  **25°**		
111-636-10	**1,0 mm**		
	BARBARA	**16,0 cm; 6 2/8"**	
			
111-637-03	**0,3 mm**		
111-637-06	**0,6 mm**		
111-637-10	**1,0 mm**		
111-637-12	**1,2 mm**  **45°**		
111-637-15	**1,5 mm**		
111-637-20	**2,0 mm**		
111-637-25	**2,5 mm**		
111-638-03	**0,3 mm**		
111-638-06	**0,6 mm**		
111-638-10	**1,0 mm**		
111-638-12	**1,2 mm**  **90°**		
111-638-15	**1,5 mm**		
111-638-20	**2,0 mm**		
111-638-25	**2,5 mm**		
	BARBARA	**16,0 cm; 6 2/8"**	
			
111-639-06	**0,5 mm**		
111-639-10	**1,0 mm**		
		**16,0 cm; 6 2/8"**	
111-640-00	**BARBARA** 		
111-640-01	**BARBARA** 		
111-640-02	**BARBARA** 		
111-640-03	**ROSEN** 		

Mikro-Ohrhäkchen; Mikro-Ohrnadeln
Micro Ear Hooks; Micro Ear Needles
Micro ganchitos auriculares; Micro agujas auriculares
Micro-crochets auriculaires; Micro-aiguilles auriculaires
Micro uncini auricolari; Micro aghi auricolari

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
		16,0 cm; 6 2/8"	



	aufgewinkelt | bent upwards angulado hacia arriba | coudé en haut angolata in alto	abgewinkelt | bent downwards angulado hacia abajo | coudée en bas angolato
111-648-03	0,3 mm	111-649-03 0,3 mm
111-648-06	0,6 mm	111-649-06 0,6 mm
111-648-10	1,0 mm	111-649-10 1,0 mm





MC GEE — 16,0 cm; 6 2/8"

	aufgewinkelt | bent upwards angulado hacia arriba | coudé en haut angolata in alto	abgewinkelt | bent downwards angulado hacia abajo | coudée en bas angolato
111-652-05	0,5 mm	111-653-05 0,5 mm
111-652-10	1,0 mm	111-653-10 1,0 mm

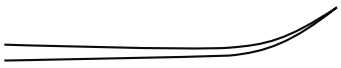




BARBARA — **ROSEN** — 15,5 cm; 6 1/8"

	aufgewinkelt | bent upwards angulado hacia arriba | coudé en haut angolata in alto	abgewinkelt | bent downwards angulado hacia abajo | coudée en bas angolato
111-654-00		111-654-01





ROSEN — 15,0 cm; 5 7/8"



111-666-30	Fig. 1 Ø 3,0 mm	111-666-16 Fig. 5 Ø 1,6 mm
111-666-28	Fig. 2 Ø 2,8 mm	111-666-14 Fig. 6 Ø 1,4 mm
111-666-26	Fig. 3 Ø 2,6 mm	111-666-10 Fig. 7 Ø 1,0 mm
111-666-20	Fig. 4 Ø 2,0 mm	









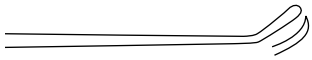
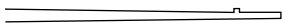
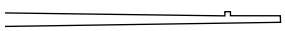


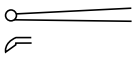
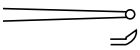
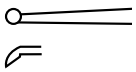
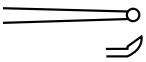




Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
111-671-16	**PLESTER** **Lappenmesser | Flap Knife** Cuchillo para lóbulos | Couteau lobaire | Coltello per lobi	**15,0 cm; 5 7/8"** **Ø 3,5 mm**	
111-672-16	**TABB** **Schleimhautmesser | Mucosa Knife** Cuchillo para mucosa | Couteau pour muqueuse | Bisturi per mucosa	**15,5 cm; 6 1/8"**	
111-675-16	**WULLSTEIN** **Sichelmesser | Sickle Knife** Cuchillo de hoz | Synéchiotome | Coltello falcato come sinechia	**15,5 cm; 6 1/8"**	
111-676-16	**SCHUKNECHT** **Sichelmesser | Sickle Knife** Cuchillo de hoz | Synéchiotome | Coltello falcato come sinechia	**14,5 cm; 6 6/8"**	

Mikro-Dissektoren; Mikro-Messsonden
Micro Dissectors; Micro Measuring Rods
Micro disecadores; Micro sondas para medir
Micro-dissecteurs; Micro-sondes pour mesurer
Micro dissettori; Micro sonde per misurare

Art.Nr.	Beschreibung | *Description*		*Size*	*Spez.*
	FISCH		**15,5 cm; 6 1/8"**	
				
111-686-01	**Fig. 1**		**nach rechts abgewinkelt | angled to right** angulada por derecha | coudée vers la droite angolata a destra	
111-686-02	**Fig. 2**		**nach links abgewinkelt | angled to left** angulada por izquierda | coudée vers la gauche angolata a sinistra	
111-686-03	**Fig. 3**		**nach rechts abgewinkelt | angled to right** angulada por derecha | coudée vers la droite angolata a destra	
111-686-04	**Fig. 4**		**nach links abgewinkelt | angled to left** angulada por izquierda | coudée vers la gauche angolata a sinistra	
	HOUSE		**15,5 cm; 6 1/8"**	
				
111-688-35	**3,5 mm**			
111-688-40	**4,0 mm**			
111-688-45	**4,5 mm**			
111-688-50	**5,0 mm**			

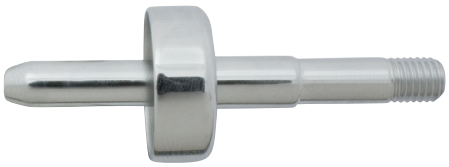
Art.Nr.	Beschreibung | *Description*			*Size*	*Spez.*
	HOUSE			**14,5 cm; 5 6/8"**	
	leicht gebogen | slightly curved | curvada ligeramente | coudée ténue | curvata legermente				
					
111-701-01		**1,2 mm**	**1,0 mm**		
111-701-02		**1,8 mm**	**1,5 mm**		
	HOUSE			**14,5 cm; 5 6/8"**	
	stark gebogen | strongly curved | curvada fuerte | coudée forte | curvata forte				
111-703-01		**1,2 mm**	**1,0 mm**		
111-703-02		**1,8 mm**	**1,5 mm**		

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
111-880-00	**POLITZER** **mit 3 Nasenoliven | with 3 nasal olives** con 3 olivas nasales | avec 3 olives nasales | con 3 olive nasali **bestehend aus/consisting of** **compuesto de | composé de | composto da:** 111-880-01 / 111-880-15 / 111-880-17 / 111-880-22 / 111-880-30		SET
111-880-01	**POLITZER** **Gummibirne alleine | Rubber bulb only** Pera de goma suelta | Poire en caoutchouc seule | Pera in gomma sola		
111-880-04	**POLITZER** **Ohrolive | Ear olive** | Oliva auricular | Olive auriculaire | Oliva auricolare	**Ø 4,0 mm**	
	POLITZER **Nasenolive | Nose olive** | Oliva nasal | Olive nasale | Oliva nasale		
111-880-15	**Ø 15,0 mm**		
111-880-17	**Ø 17,0 mm**		
111-880-22	**Ø 22,0 mm**		
111-880-30	**POLITZER** **Einsteckkonus | Connecting nozzle** Cono de conexión | Embout conique de raccordement | Cono di connessione		









Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
111-882-00	**KABIERSKE** **mit 3 Kanülen und Gummiball | with 3 cannulas and rubber bulb** con 3 cánulas y pera de goma | avec 3 canules et poire en caoutchouc con 3 cannule e pera di gomma		SET



111-882-01

111-882-01	**KABIERSKE** **Ventilball | Valve rubber bulb** Pera de goma | Poire en caoutchouc avec valve | Pallone in gomma con valva		

KABIERSKE

Kanüle | Cannula | Cánula | Canule | Cannula

111-882-08		**8,0 cm; 3"**
111-882-13		**13,0 cm; 5"**

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
			SET
	mit Teller und 2 Saugansätzen **with protection disc and 2 irrigation tips** con disco protector y 2 puntas avec plasque de protection et 2 pointes con disco prottetivo e 2 punte		
111-888-05	**50 ml**		
111-888-10	**100 ml**		
111-888-15	**150 ml**		
	Spritze **Syringe** Jeringa Seringue Siringhe **allein** | **only** | sola | seul | solo		
111-888-85	**50 ml**		
111-888-90	**100 ml**		
111-888-95	**150 ml**		
	Spülansatz **Irrigation adapter** Adaptador de irrigación Adaptateur á irrigation Adattore per lavaggio		
111-888-01			
111-888-02			
111-888-03	**Schutzteller** **Protecting disc** Disco protector Plaque de protection Disco protettivo		

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
111-881-00	**selbstfüllend komplett in Kunststofftasche** **self filling in plastic pouch** auto-rellena en bolsa plástica remplissage automat plastique auto-riempente in borsa di plastica		SET

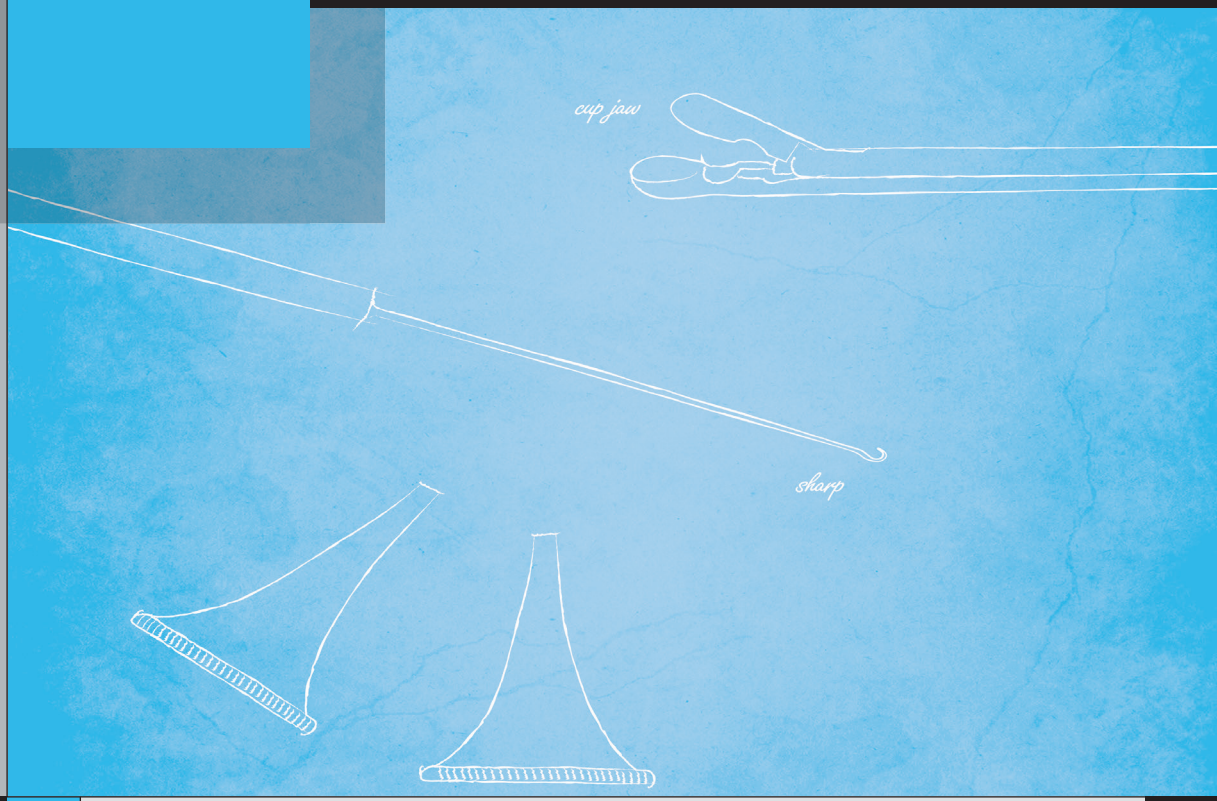


111-888-09	**Ventilaufsatz** **Valva attachment** Válvula de conexión Soupape Valvola di connessione **für Ohrspritze | for ear syringe** | para jeringa auricular | pour seringue auriculaire | per siringhe auricolari		
111-888-06	**Saugansatz** **Suction nozzle** Pieza de succión Embout d'aspiration Aspiratore **für Ohrspritze | for ear syringe** | para jeringa auricular | pour seringue auriculaire | per siringhe auricolari		
111-888-07	**Metallolive** **Metal olive** Oliva metálica Olive en métal Oliva en metallo **für Ohrspritze | for ear syringe** | para jeringa auricular | pour seringue auriculaire | per siringhe auricolari		
111-888-04	**Gewindeansatz** **Threaded tip** Punta de rosca Pointe filetée Punta filattata **für Ohrspritze | for ear syringe** | para jeringa auricular | pour seringue auriculaire | per siringhe auricolari		



TONTARRA

OPEN SURGERY



Rhinologie

Rhinology

Rinologia

Rhinologie

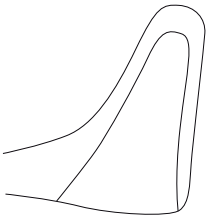
Rinologia

112-114

Art.Nr.	Beschreibung | *Description*		*Size*	*Spez.*
	HARTMANN-HALLE		**16,0 cm; 6 2/8"**	



112-020-01	**Fig. 1**	**27 mm**	
112-020-02	**Fig. 2**	**31 mm**	
112-020-03	**Fig. 3**	**35 mm**	



112-030-01	**TIECK-HALLE**		**13,0 cm; 5 1/8"** **16 mm**





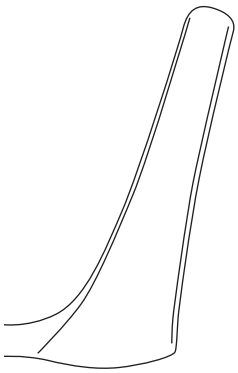
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

KILLIAN

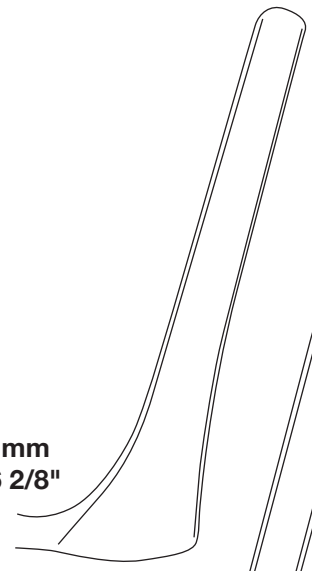




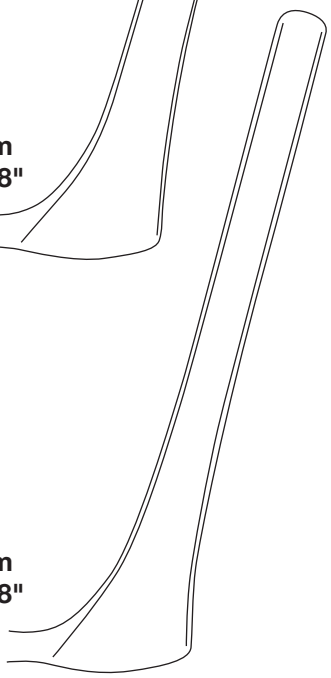
112-040-35 Fig. 1 35 mm
14,0 cm; 5 4/8"



112-040-50 Fig. 2 50 mm
14,5 cm; 5 6/8"

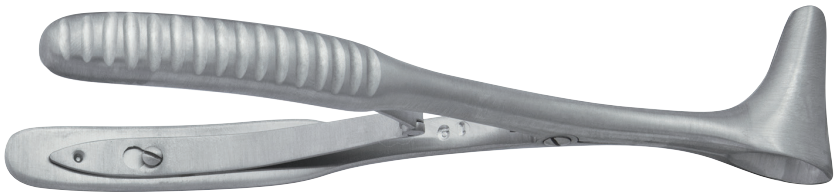


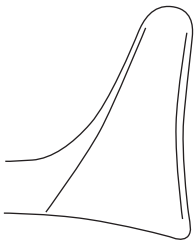
112-040-75 Fig. 3 75 mm
16,0 cm; 6 2/8"



112-040-90 Fig. 4 90 mm
17,0 cm; 6 6/8"

VIENNA (WIEN) — 14,0 cm; 5 4/8"





112-050-01 Fig. 1 26 mm

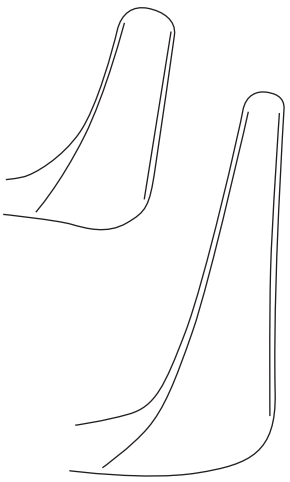
112-050-02 Fig. 2 30 mm

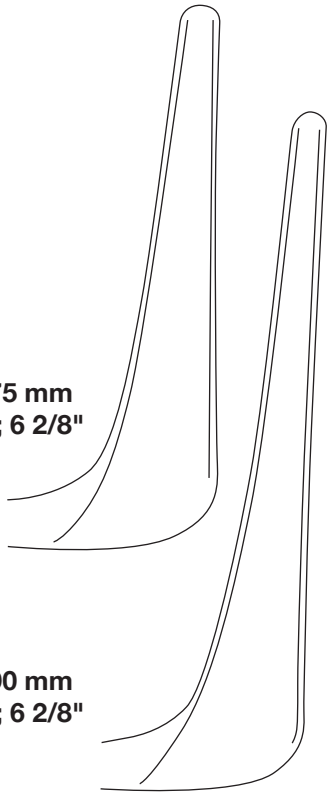
112-050-03 Fig. 3 33 mm

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	COTTLE	**15,0 cm; 6"**	



112-060-01	**Fig. 1 35 mm 13,5 cm; 5 3/8"**	**112-060-03**	**Fig. 3 75 mm 16,0 cm; 6 2/8"**
112-060-02	**Fig. 2 50 mm 14,0 cm; 5 4/8"**	**112-060-04**	**Fig. 4 90 mm 16,0 cm; 6 2/8"**





	THUDICHUM	**6,5 cm; 2 4/8"**	

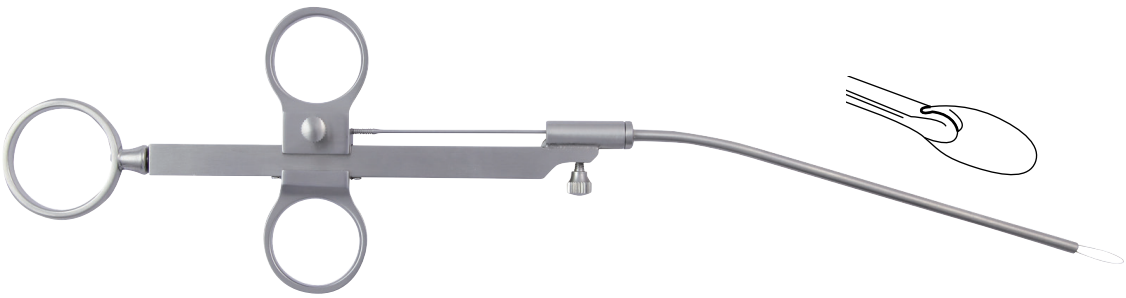


112-064-01	**Fig. 1**	**21 x 9,5 mm**
112-064-02	**Fig. 2**	**21 x 10,5 mm**
112-064-03	**Fig. 3**	**21 x 11,5 mm**



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
112-112-00	**KRAUSE-VOSS**	**26,0 cm; 10 2/8"**	

2 Aufsätze; Schaft Ø 3,0 mm 2 Tips; shaft Ø 3,0 mm
2 Puntas; vástago Ø 3,0 mm | 2 Embouts; tige Ø 3,0 mm | 2 Punte; gambo Ø 3,0 mm



112-131-03	**Schnürdraht** **Snare Wire** Asa de alambre Serre-nœud Filo per allecciare		**Ø 0,3 mm**

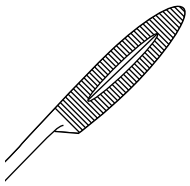
Rolle mit 10 m | Coil of 10 m | Rollo de 10 m | Rôle de 10 m | Rotolo di 10 m

112-131-04	**Schnürdraht** **Snare Wire** Asa de alambre Serre-nœud Filo per allecciare		**Ø 0,4 mm**

Rolle mit 10 m | Coil of 10 m | Rollo de 10 m | Rôle de 10 m | Rotolo di 10 m

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
112-160-20	**HARTMANN**	20,0 cm; 7 7/8"	

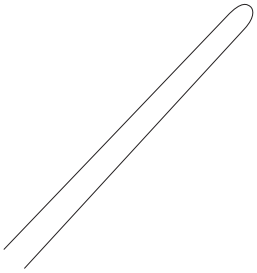




112-162-20	**LUBET-BARBON**	18,5 cm; 7 2/8"	

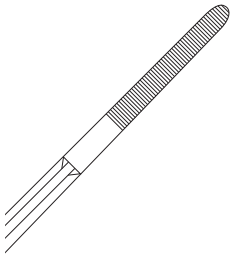
glatt | **smooth** | lisa | lisse | liscio





112-164-01	**WESTMACOTT**	18,5 cm; 7 2/8"	





Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
112-200-02	**JOSEPH**	**15,0 cm; 5 7/8"**	
	gerade | straight | recta | droite | retta		

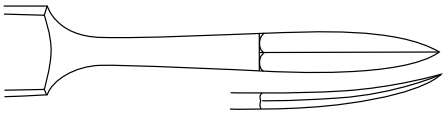






112-201-01	**JOSEPH**	**15,0 cm; 5 7/8"**	
	gebogen | curved | curva | courbe | curva		







Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
112-206-15	**COTTLE**	14,0 cm; 5 4/8"	



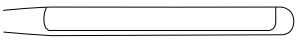
112-208-16	**CONVERSE**	16,0 cm; 6 2/8"	





112-209-15	**JOSEPH**	15,5 cm; 6 1/8"	

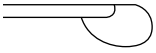




112-210-01	**FREER**	16,5 cm; 6 4/8"	

Mukosamesser | Mucosa knife
Cuchillo para mucosa | Couteaux pour muqueuse | Bisturi per mucosa





Rhinoplastikmesser; Schwingmesser
Rhinoplastic Knives; Swivel Knives
Cuchillos para tabique nasal
Bistouris pour la cloison nasale
Bisturi per setto nasale

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
112-224-22	**ULRICH**	23,0 cm; 9"	



BALLENGER — 21,0 cm; 8 2/8"

gerade | straight | recta | droite | retta



112-230-03	3,0 mm		
112-230-04	4,0 mm		
112-230-05	5,0 mm		

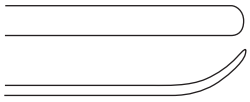
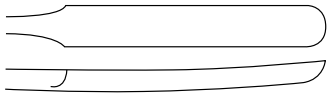
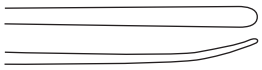
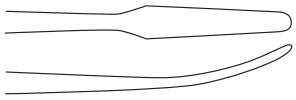
BALLENGER — 21,0 cm; 8 2/8"

bajonett | bayonet | la bayoneta | baïonnette | baionetta



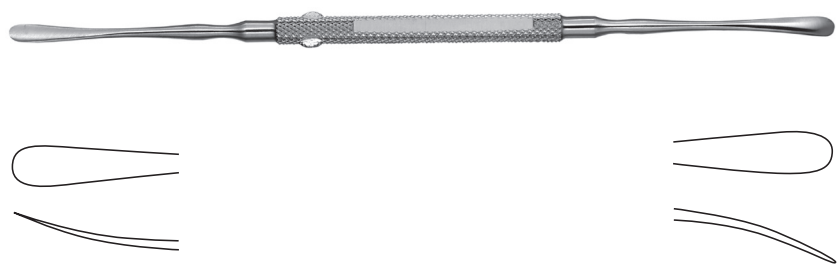
112-231-03	3,0 mm		
112-231-04	4,0 mm		
112-231-05	5,0 mm		

Septumelevator
Septum Elevators
Elevadores para tabique nasal
Elévateurs pour la cloison nasale
Elevatori per setto nasale

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	MC KENTY	**15,0 cm; 5 7/8"**	
			
112-240-04	**4,0 mm**		
112-240-05	**6,0 mm**		
112-241-22	**JOSEPH-MASING**	**21,5 cm; 8 4/8"** **4,0 mm**	
			
112-242-16	**HALLE**	**16,0 cm; 6 2/8"** **3,5 mm**	
			
112-243-16	**JOSEPH**	**16,5 cm; 6 4/8"** **4,0 mm**	
			
	FREER	**19,0 cm; 7 4/8"** **5,0 mm**	
112-244-19	**scharf | sharp** | agudo | pointu | acuto		
112-245-19	**stumpf | blunt** | romo | mousse | smusso		
			

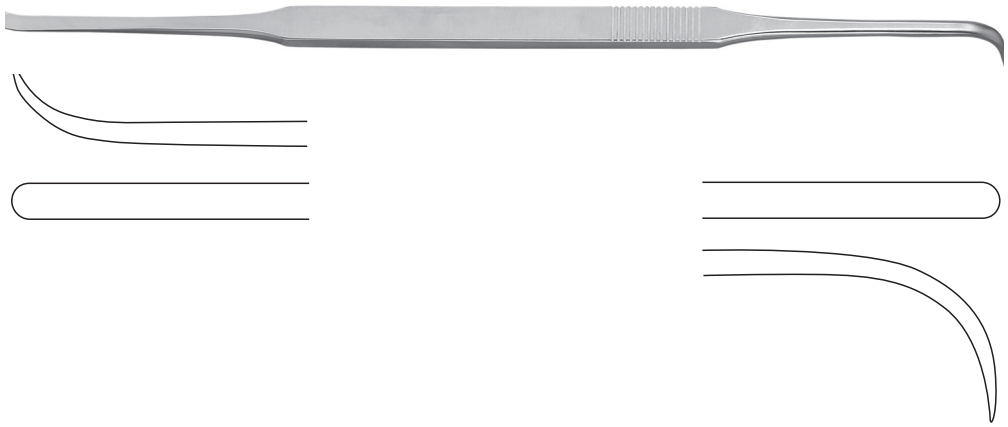
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	FREER		
112-246-18	**scharf/stumpf; ohne Stift** **sharp/blunt; without pin** agudo/romo; sin perno pointu/mousse; sans boulon acuto/smusso; senza perno	**18,0 cm; 7 1/8"** **5,0 mm**	
112-248-18	**scharf/stumpf; mit Stift** **sharp/blunt; with pin** agudo/romo; con perno pointu/mousse; avec boulon acuto/smusso; con perno	**18,0 cm; 7 1/8"** **5,0 mm**	
112-247-20	**scharf/stumpf; ohne Stift** **sharp/blunt; without pin** agudo/romo; sin perno pointu/mousse; sans boulon acuto/smusso; senza perno	**21,0 cm; 8 2/8"** **5,0 mm**	







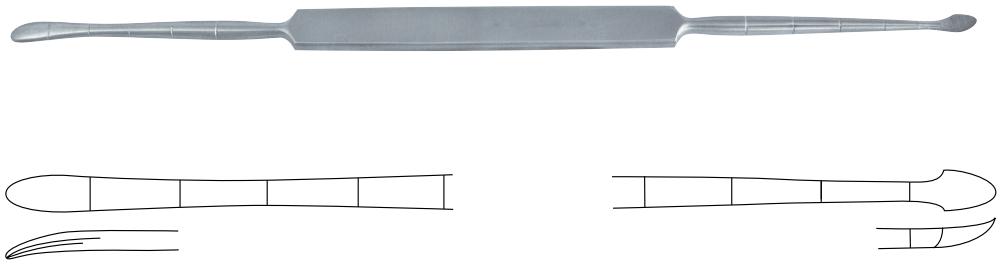
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
112-249-23	COTTLE	23,5 cm; 9 2/8" 5,0 mm	



112-250-22	MC KENTY	20,5 cm; 8 1/8" 5,0 mm	



112-252-21	COTTLE	22,0 cm; 8 5/8" 5,0 mm	

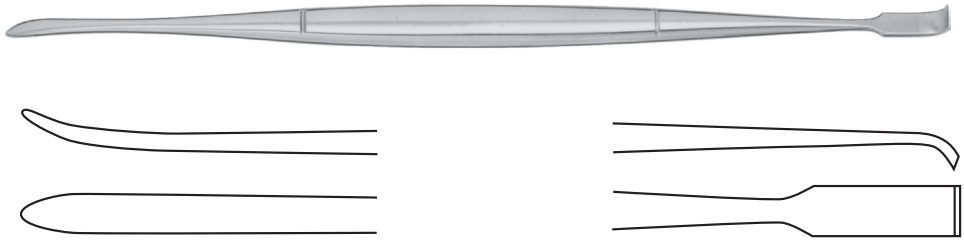


112-253-21	MASING	19,5 cm; 7 5/8" 5,0 mm	

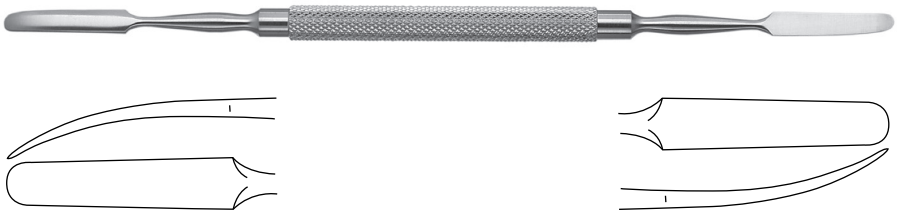


Septumelevator
Septum Elevators
Elevadores para tabique nasal
Elévateurs pour la cloison nasale
Elevatori per setto nasale

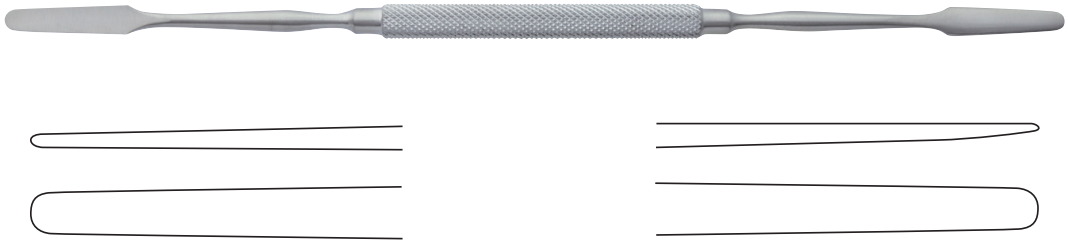
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
112-254-21	**HOWARTH**	21,5 cm; 8 4/8" 5,0 mm	



112-255-18	**KILLIAN**	18,0 cm; 7 1/8" 5,0 mm	



112-256-22	**KILLIAN**	23,0 cm; 9" 5,0 mm	



112-259-21	**PENNINGTON**	21,5 cm; 8 4/8" 5,0 mm	



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
112-260-01	**JOSEPH** **links abgewinkelt | angled to the left** angulado por izquierdo | coudèe à gauche | angulato a sinistra	**17,0 cm; 6 6/8"**	



112-260-02	**JOSEPH** **rechts abgewinkelt | angled to the right** angulado por derecho | coudèe à droite | angulato a destra	**17,0 cm; 6 6/8"**	



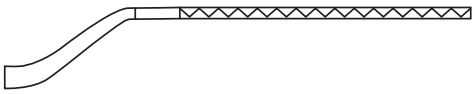
	JOSEPH	**19,0 cm; 7 4/8"**	



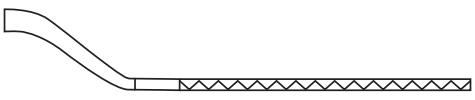
112-262-00	**gerade; 40 mm Arbeitslänge** **straight; 40 mm working length** recto; longitud útil 40 mm droite; longueur utile 40 mm retto; lunghezza utile 40 mm		



112-262-01	**links; 40 mm Arbeitslänge** **left; 40 mm working length** izquierda; longitud útil 40 mm gauche; longueur utile 40 mm sinistra; lunghezza utile 40 mm		

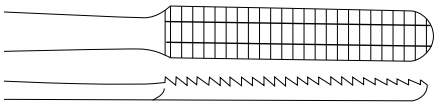


112-262-02	**rechts; 40 mm Arbeitslänge** **right; 40 mm working length** derecha; longitud útil 40 mm droite; longueur utile 40 mm destra; lunghezza utile 40 mm		



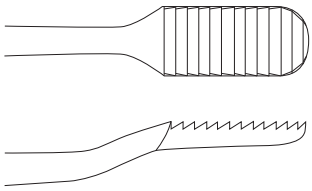
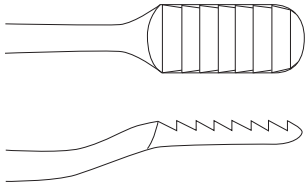
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	MALTZ	**17,0 cm; 6 6/8"**	



112-263-01	**auf Zug schneidend** **drawing cut** cortante a tracción tranchante à traction tagliente a trazione	

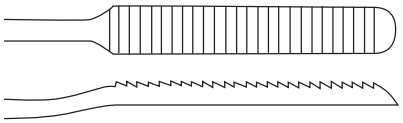
	LEWIS	**18,0 cm; 7 1/8"**



112-265-01	**Fig. 1**	**auf Druck schneidend** **pushing cut** cortante a empuje tranchante à impact tagliente a urto	
112-265-02	**Fig. 2**	**auf Zug schneidend** **drawing cut** cortante a tracción tranchante à traction tagliente a trazione	

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
112-266-21	**COTTLE**	21,0 cm; 8 2/8" 30 x 7 mm	

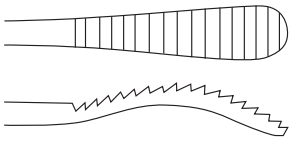




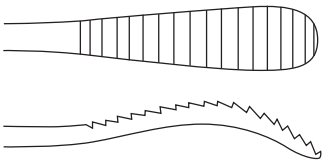
	AUFRICHT	21,0 cm; 8 2/8"	



112-267-01	**auf Druck schneidend** **pushing cut** cortante a empuje tranchante à impact tagliente a urto		



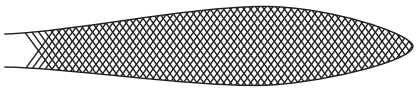
112-267-02	**auf Zug schneidend** **drawing cut** cortante a tracción tranchante à traction tagliente a trazione		



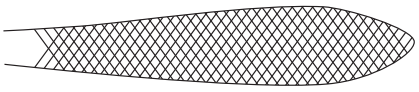
	JOSEPH	16,0 cm; 6,4"	



112-269-01	**Fig. 1** **fein** | **delicate** | fino | fin | fino	60 x 8 mm	



112-269-02	**Fig. 2** **grob** | **gross** | basto | gros | grosso	45 x 9 mm	



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	GALLAHER	**17,0 cm; 6 6/8" 45 x 6 mm**	
			
112-270-00	**gerade | straigth** | recto | droite | retto		
112-270-01	**links gebogen | curved left** | curva á izquierda | courbée á gauche | curva a sinistra		
112-270-02	**rechts gebogen | curved right** | curva á derecha | courbée á droite | curva a destra		
112-275-01	**WIENER**	**18,0 cm; 7 1/8"**	
	spitz | sharp | agudo | pointue | acuto		
		**Fig. 1**	
112-275-02	**WIENER**	**18,0 cm; 7 1/8"**	
	stumpf | blunt | romo | mousse | smusso		
		**Fig. 2**	
112-277-01	**FOMON**	**21,0 cm; 8 2/8"**	
			
112-278-21	**MASING**	**21,0 cm; 8 2/8"**	
			
	MILLER	**18,0 cm; 7 1/8"**	
			
112-284-01	**Fig. 1 8/5 mm**		
112-284-02	**Fig. 2 6/4 mm**		
112-284-03	**Fig. 3 6/5 mm**		

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	FOMON	**20,5 cm; 8 1/8"**	TC



112-295-01	**Fig. 9/10**	**112-295-04**	**Fig. 3/4**
112-295-02	**Fig. 7/8**	**112-295-05**	**Fig. 1/2**
112-295-03	**Fig. 5/6**		

	MALTZ	**21,0 cm; 8 2/8"**



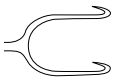
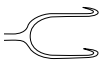
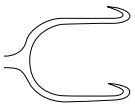
112-297-01	**Fig. 1**		**12**	**112-297-06**	**Fig. 6**		**30**
112-297-02	**Fig. 2**		**14**	**112-297-07**	**Fig. 7**		**36**
112-297-03	**Fig. 3**		**16**	**112-297-08**	**Fig. 8**		**44**
112-297-04	**Fig. 4**		**20**	**112-297-09**	**Fig. 9**		**52**
112-297-05	**Fig. 5**		**24**	**112-297-10**	**Fig. 10**		**62**

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
112-300-01	**JOSEPH** **scharf** | **sharp** | agudo | pointue | acuto	**15,5 cm; 6 1/8"**	



	JOSEPH	**16,0 cm; 6 1/8"**	



112-300-02	**2,0 mm**		**112-300-07**	**7,0 mm**	
112-300-05	**5,0 mm**		**112-300-10**	**10,0 mm**	

112-302-16	**COTTLE** **scharf** | **sharp** | agudo | pointue | acuto	**17,0 cm; 6 6/8"**	

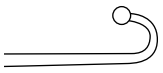




Nasenflügelhäkchen
Alar Hooks
Ganchitos para alas de nariz
Crochets pour les ailes du nez
Uncini per le pinne nasali

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
112-303-17	**FOMON** **geknöpft | button ended** | abotonado | boutonné | abottonato	**17,0 cm; 6 6/8"**	





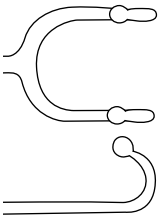
112-304-22	**LANGE** **geknöpft | button ended** | abotonado | boutonné | abottonato	**23,0 cm; 9"**	





112-305-16	**FOMON** **geknöpft | button ended** | abotonado | boutonné | abottonato	**17,0 cm; 6 6/8"**	





	COTTLE **scharf | sharp** | agudo | pointue | acuto	**17,0 cm; 6 6/8"**	

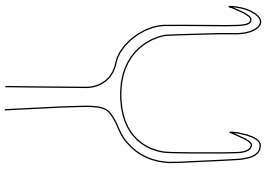


112-307-01	**Fig. 1**	
112-307-02	**Fig. 2**	
112-307-03	**Fig. 3**	

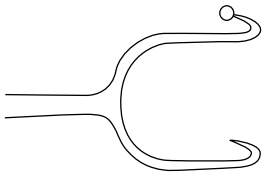
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	COTTLE	**14,5 cm; 5 6/8"**	



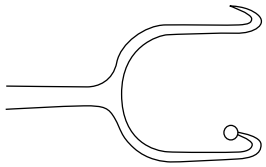
112-308-00 **scharf** | **sharp** | agudo | pointue | acuto



112-308-01 **stumpf/scharf** | **blunt/sharp** | romo/agudo
mousse/pointue | smusso/acuto

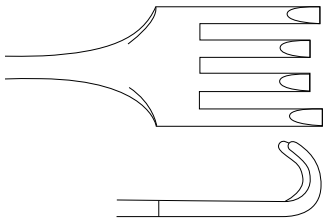


112-308-02 **scharf/stumpf** | **sharp/blunt** | agudo/romo
pointue/mousse | acuto/smusso



112-311-14	**COTTLE**	**14,0 cm; 5 4/8"**

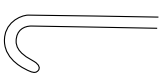


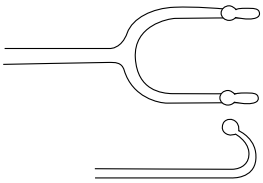


112-312-20	**COTTLE-NEIVERT**	**20,0 cm; 7 7/8"**

stumpf | **blunt** | romo | mousse | smusso







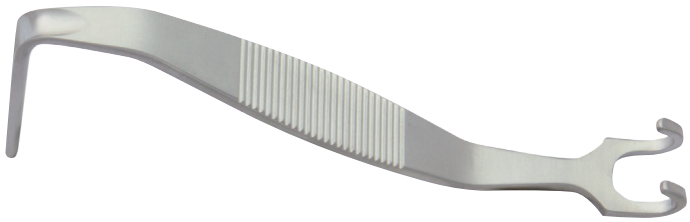
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
112-315-15	**COTTLE** **stumpf** | **blunt** | romo | mousse | smusso	**16,0 cm; 6 2/8"**	



112-316-15	**COTTLE** **stumpf** | **blunt** | romo | mousse | smusso	**14,0 cm; 5 4/8"**	



112-328-14	**AUFRICHT (WALTER)** **stumpf** | **blunt** | romo | mousse | smusso	**12,0 cm; 4 6/8"**	

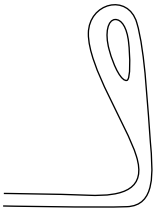


112-330-45	**AUFRICHT** **stumpf** | **blunt** | romo | mousse | smusso	**16,0 cm; 7 4/8"** **45 x 11 mm**	



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	COAKLEY	**17,0 cm; 6 4/8"**	



112-380-01	**Fig. 1**		**112-380-04**	**Fig. 4**	
112-380-02	**Fig. 2**		**112-380-05**	**Fig. 5**	
112-380-03	**Fig. 3**		**112-380-06**	**Fig. 6**	

112-382-21	**FAULKNER**	**21,0 cm; 8 2/8"**

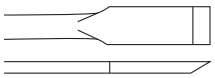


112-385-20	**SEWALL**	**20,0 cm; 7 7/8"** **6,0 mm**



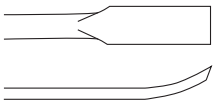
Art.Nr.	Beschreibung | *Description*		*Size*	*Spez.*
112-500-16	**FREER**		**16,0 cm; 6 2/8" 4,0 mm**	





112-501-16	**FREER** **gebogen | curved** | curva | courbe | curva		**16,0 cm; 6 2/8" 4,0 mm**	

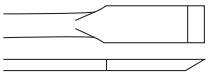




WEST



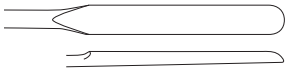
112-502-16	4,0 mm	16,0 cm; 6 2/8"		
112-502-19	6,0 mm	19,0 cm; 7 4/8"		



WEST

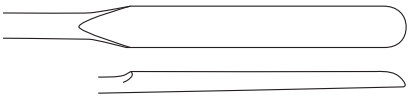


112-503-16	4,0 mm	16,0 cm; 6 2/8"		
112-503-19	6,0 mm	19,0 cm; 7 4/8"		



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
112-504-06	FREER	16,0 cm; 6 2/8" 6,0 mm	





	BALLENGER	15,0 cm; 5 7/8"	

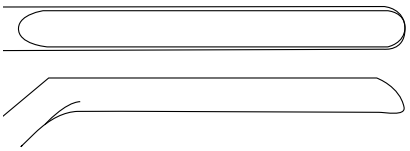


112-505-02	2,0 mm		
112-505-04	4,0 mm		
112-505-06	6,0 mm		
112-505-08	8,0 mm		



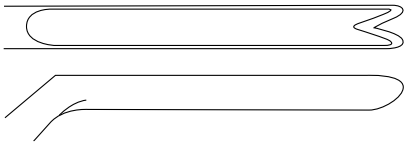
112-506-05	KILLIAN	16,0 cm; 6 2/8" 5,0 mm	





112-507-05	KILLIAN-CLAUS	16,0 cm; 6 2/8" 5,0 mm	

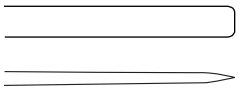




Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	COTTLE	**18,5 cm; 7 2/8"**	

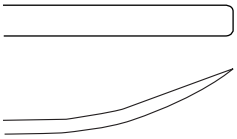


112-508-04	**4,0 mm**	
112-508-07	**7,0 mm**	
112-508-09	**9,0 mm**	
112-508-12	**12,0 mm**	

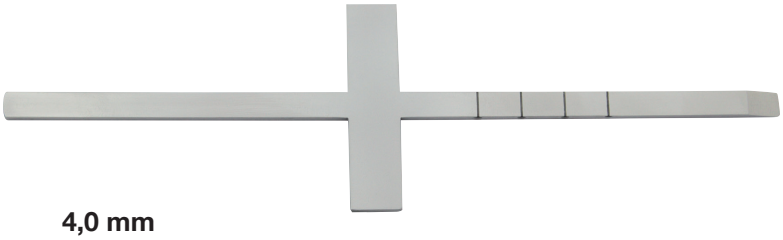


112-509-06	**COTTLE** **gebogen | curved | curva | courbe | curva**	**18,5 cm; 7 2/8"** **6,0 mm**	

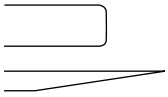




	COTTLE	**18,5 cm; 7 2/8"**

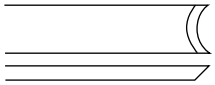


112-511-04	**4,0 mm**	
112-511-07	**7,0 mm**	
112-511-09	**9,0 mm**	
112-511-12	**12,0 mm**	



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	WALTER	**19,0 cm; 7 4/8"**	

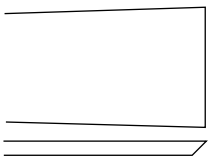


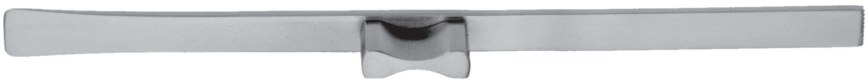
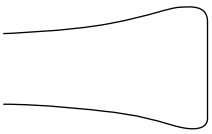
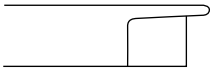
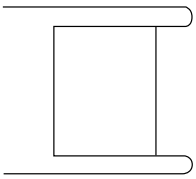


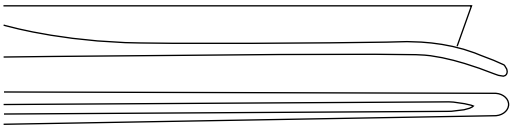
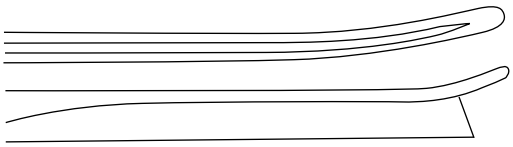
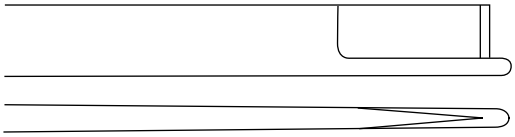
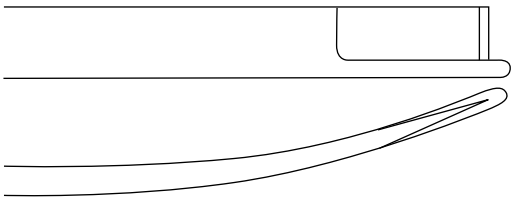
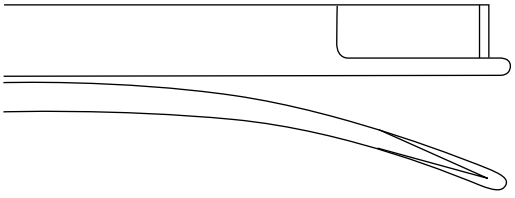
112-533-03	**3,0 mm**		
112-533-04	**4,0 mm**		
	WALTER	**19,0 cm; 7 4/8"**	



112-534-03	**3,0 mm**		
112-534-04	**4,0 mm**		
112-534-07	**7,0 mm**		
112-534-09	**9,0 mm**		
112-534-12	**12,0 mm**		



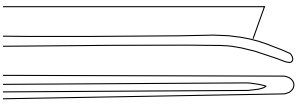
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	RUBIN	**17,0 cm; 6,7"**	
			
112-536-10	**10,0 mm**		
112-536-12	**12,0 mm**		
112-536-14	**14,0 mm**		
	FOMON	**16,0 cm; 6 2/8"**	
			
112-537-04	**4,0 mm**		
112-537-05	**5,0 mm**		
112-537-06	**6,0 mm**		
112-537-07	**7,0 mm**		
	CINELLI	**16,0 cm; 6 2/8"**	
			
112-538-10	**10,0 mm**		
112-538-12	**12,0 mm**		
112-538-14	**14,0 mm**		
112-538-16	**16,0 mm**		

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	SILVER	**18,0 cm; 7 1/8" 5,0 mm**	
			
112-542-00	**gerade | straigth** | recto | droite | retto		
			
112-542-01	**links | left** | izquierdo | gauche | sinistra		
			
112-542-02	**rechts | right** | derecho | droite | destra		
			
	NEIVERT-ANDERSON	**20,5 cm; 8 1/8" 7,0 mm**	
			
112-543-00	**gerade | straigth** | recto | droite | retto		
			
112-543-01	**links | left** | izquierdo | gauche | sinistra		
			
112-543-02	**rechts | right** | derecho | droite | destra		
			

Nasenmeißel; Ringmesser
Rhinoplastic Chisel; Adenoid Curettes
Cinceles; Cuchillos para adenoides
Ciseaux-burins; Couteaux à végétation adenoïde
Scalpelli; Coltelli per vegetazione adenoidee

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
112-545-00	**PARKES**	16,0 cm; 6 2/8"	





	BECKMANN	22,0 cm; 8 5/8"	

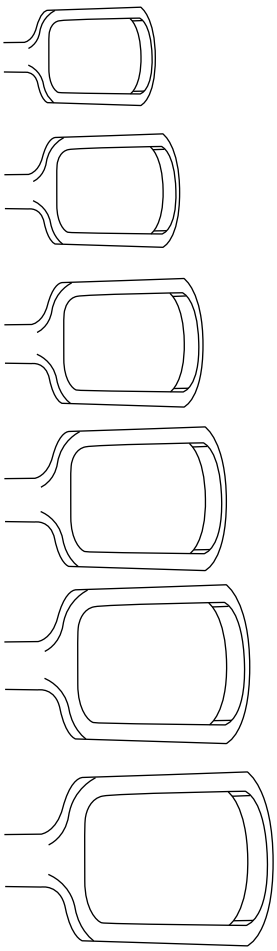




gerade | straight
recta | droite | retta

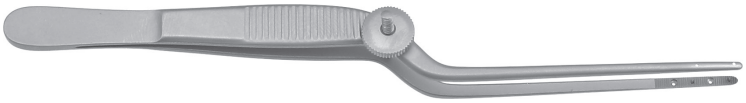
gebogen | curved
curvada | coudée | curvata

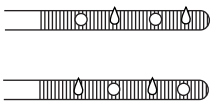
112-600-01	Fig. 1	13,0 mm		112-601-01	Fig. 1	13,0 mm
112-600-02	Fig. 2	15,0 mm		112-601-02	Fig. 2	15,0 mm
112-600-03	Fig. 3	17,0 mm		112-601-03	Fig. 3	17,0 mm
112-600-04	Fig. 4	19,0 mm		112-601-04	Fig. 4	19,0 mm
112-600-05	Fig. 5	21,0 mm		112-601-05	Fig. 5	21,0 mm
112-600-06	Fig. 6	23,0 mm		112-601-06	Fig. 6	23,0 mm



Columellapinzetten; Septumzangen
Columella Forceps; Septum Forceps
Pinza para columela; Pinza para tabique nasal
Pince à columella; Pinces pour la cloison nasale
Pinza per columella; Pinze per il setto nasale

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
112-640-14	**COTTLE**	**14,0 cm; 5 4/8"**	





112-650-23	**ASCH**	**22,5 cm; 8 7/8"**	



	WALSHAM	**23,0 cm; 9"**	



112-651-00	**gerade | straight** | recto | droite | retto
112-651-01	**links | left** | izquierdo | gauche | sinistra
112-651-02	**rechts | right** | derecho | droite | destra

Septumquetschzange
Septum Morselizers
Pinzas para aplastamiento
Pinces-gouges pour la cloison nasale
Pinze contundente per il setto nasale

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
112-654-60	KRESSNER	22,0 cm; 8 5/8"	



112-653-20	RUBIN	18,5 cm; 7 2/8"	



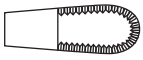
112-656-00	COTTLE	67 x 24 x 24 mm	

Knorpelquetsche | Cartilage crusher
Machacadora para cartilago | Pince pour cartilage | Torchio per cartilagine



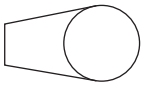
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
113-103-12	**WATSON-WILLIAMS**	120 mm	





113-105-01	**WATSON-WILLIAMS** **gerade | straight** | recto | droite | retto	120 mm	

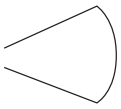
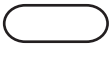
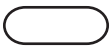




	HARTMANN	120 mm	



113-110-05	Fig. 1	5,0 mm	
113-110-07	Fig. 2	7,0 mm	
113-110-09	Fig. 3	9,0 mm	
113-110-11	Fig. 4	11,0 mm	

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
113-114-02	**SCHMIEDEN** 	**120 mm** **Ø 8,0 mm** 	
	STRUYCKEN 	**120 mm**	
113-115-01	**Fig. 1** **Ø 0,9 mm**		
113-115-02	**Fig. 2** **Ø 1,2 mm**		
	TAKAHASHI 	**120 mm** **3 x 10 mm**	
113-120-30	**gerade | straight** | recto | droite | retto 		
113-121-30	**aufgebogen | curved up** curva hacia arriba | courbée en haute | curva in alto 		

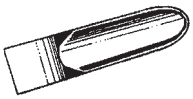
Septumzangen
Septum Forceps
Pinzas para tabique nasal
Pinces pour la cloison nasale
Pinze per il setto nasale

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
113-125-19	**JANSEN-MIDDLETON**	20,5 cm; 8 1/8"	
	durchschneidend | through-cutting | cortante | tranchante | tagliente		



113-126-19	**JANSEN-MIDDLETON**	20,5 cm; 8 1/8"	





113-130-17	**GRAIG**	16,0 cm; 6 2/8"	

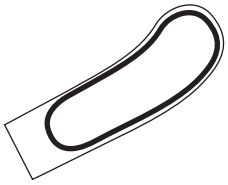


Septumzangen
Septum Forceps
Pinzas para tabique nasal
Pinces pour la cloison nasale
Pinze per il setto nasale

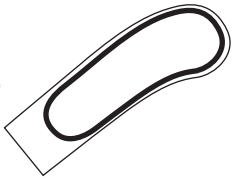
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	GRAIG-DOMNICK	**15,5 cm; 6 1/8"**	



113-131-17 **links gebogen**
left curved
curvo por izquierdo
courbée à gauche
curvo a sinistra



113-132-17 **rechts gebogen**
right curved
curvo por derecho
courbée à droite
curvo a destra



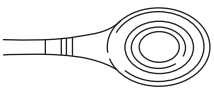
BRUENINGS **16,5 cm; 6 4/8"**



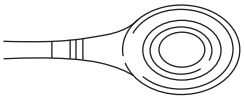
113-135-01 **Fig. 1**



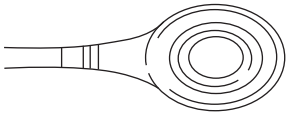
113-135-02 **Fig. 2**



113-135-03 **Fig. 3**



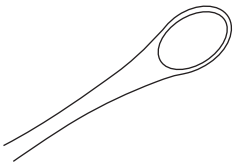
113-135-04 **Fig. 4**



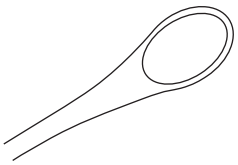
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	LUC	**19,0 cm; 7 4/8"**	



113-136-01 **Fig. 1**

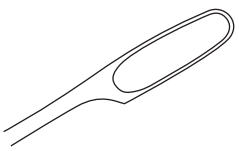


113-136-02 **Fig. 2**



113-138-18	**KNIGHT**	**17,0 cm; 6 6/8"**





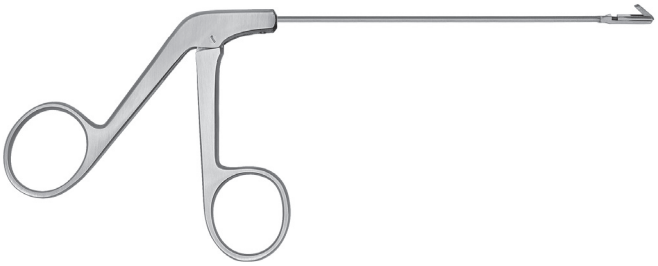
Art.Nr.	Beschreibung | *Description*			*Size*	*Spez.*
	WEIL-BLAKESLEY			**120 mm**	
					
113-200-01	**Fig. 1**	**2,5 mm**			
113-200-02	**Fig. 2**	**3,0 mm**			
113-200-03	**Fig. 3**	**3,5 mm**			
113-200-04	**Fig. 4**	**4,0 mm**			
113-200-05	**Fig. 5**	**5,0 mm**			
	WEIL-BLAKESLEY			**120 mm**	**45°**
					
113-201-01	**Fig. 1**	**2,5 mm**			
113-201-02	**Fig. 2**	**3,0 mm**			
113-201-03	**Fig. 3**	**3,5 mm**			
113-201-04	**Fig. 4**	**4,0 mm**			

Nasenzangen; Antrumstanze
Nasal Forceps; Antrum Punch
Pinzas nasales; Pinza saca-bocada para seno maxilar
Pinces nasales; Pince emporte-pièce pour sinus maxillaire
Pinze per il naso; Pinza tagliente per seno mascellare

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	WEIL-BLAKESLEY	**120 mm**	**90°**



113-203-01	**Fig. 1**	**2,5 mm**		**113-203-03**	**Fig. 3**	**3,5 mm**	
113-203-02	**Fig. 2**	**3,0 mm**		**113-203-04**	**Fig. 4**	**4,0 mm**	



100 mm
2,5 mm

113-250-01 **retrograd aufwärts schneidend**
retrograde; up cutting
retrógrado; cortante por arriba
retrograde; tranchante en haut
retrogrado; taglio in sú

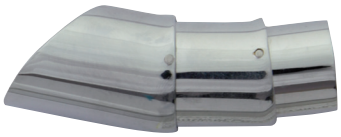
113-250-02 **retrograd rechts schneidend**
retrograde; right cutting
retrógrado; cortante a la derecha
retrograde; tranchante á droit
retrogrado; taglio destro

113-250-03 **retrograd links schneidend**
retrograde; left cutting
retrógrado; cortante a la izquierda
retrograde; tranchante á gauche
retrogrado; taglio sinistro

113-370-25 **drehbar; retrograd schneidend**
rotatable; retrograde cutting
rotable; retrógrado
rotative; retrograde
girabile; retrogrado

Fingerschutz; Mundkeile
Finger Protector; Mouth Gags
Dedal; Abrebocas
Doigtiers; Bâillons
Prottetore per dita; Apribocca

Art.Nr.	Beschreibung | *Description*		*Size*	*Spez.*
	LANGENBECK			
114-115-01	**Fig. 1**	**22,0 mm**		
114-115-02	**Fig. 2**	**24,5 mm**		
114-115-03	**Fig. 3**	**26,5 mm**		



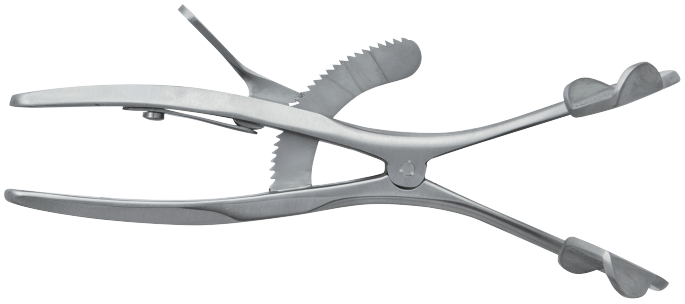
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
114-140-11	**MOLT**	**11,0 cm; 4 3/8"**	

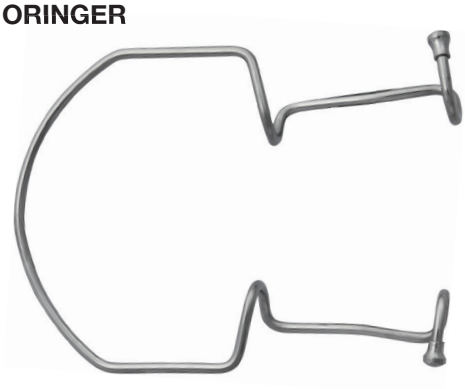


114-140-14	**MOLT**	**13,0 cm; 5 1/8"**	



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
114-142-12	**DENHART**	**13,0 cm; 5 1/8"**	



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	ORINGER		
			
114-243-00	**9,5 cm; 3 6/8"**		
	für Kinder | for children | para niños | pour enfants | per bambini		
114-243-01	**Fig. 1**	**10,0 cm; 3 7/8"**	
114-243-02	**Fig. 2**	**10,5 cm; 4 1/8"**	
114-243-03	**Fig. 3**	**11,0 cm; 4 3/8"**	
114-243-13	**Set mit Figur 1-3** **Set with Fig. 1-3** Juego con Fig. 1-3 Kit avec Fig. 1-3 Set con Fig. 1-3		SET

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

114-260-00 **KILNER-DOUGHTY**

SET



mit Spateln, Zahnplatten und Gaumenplatte
with tongue depressors, toothplates and palate plate
con bajalenguas, plaquitas de dientes y plaquita paldia
avec abaisse-langue, plaques de dents et plaque platine
con abassalingue e placche per denti e placca per palato

bestehend aus: | consisting of:
compuesto de: | composé de: | composto da:
114-260-00 / 114-260-01 / 114-260-02
114-260-03 / 114-260-08

Zungendrücker
Tongue depressor
Bajalengua
Abaisse-langue
Abassalingua

allein | only | solo | seule | sola



114-260-01	**Fig. 1**	**68 x 30 mm**
114-260-02	**Fig. 2**	**77 x 34 mm**
114-260-03	**Fig. 3**	**82 x 39 mm**

114-260-04 **Mundsperrer-Rahmen**
Frame for mouth gags
Bastidor para abreboca
Cadre pour ouvre-bouche
Telaio per apribocca

114-260-08 **Gaumenplatte**
Palate plate
Plaquita paldia
Plaque platine
Placca per palato

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

114-261-00 **DINGMANN**

SET

mit Spateln und Valven
with tongue depressors and valves
con bajalenguas y valves
avec abaisse-langue et valves
con abassalingua e valvi



bestehend aus: | consisting of:
compuesto de: | composé de: | composto da:
114-261-01 / 114-261-02 / 114-261-03 / 114-261-04

Zungendrücker
Tongue depressor
Bajalengua
Abaisse-langue
Abassalingua

allein | only | solo | seule | sola



114-261-01	**Fig. 1**	**62 x 26 mm**
114-261-02	**Fig. 2**	**65 x 30 mm**
114-261-03	**Fig. 3**	**78 x 32 mm**

114-261-04 **Mundsperrer-Rahmen**
Frame for mouth gags
Bastidor para abreboca
Cadre pour ouvre-bouche
Telaio per apribocca

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

114-264-00 **DAVIS-BOYLE**

SET

mit Spateln und Valven
with tongue depressors and valves
con bajalenguas y valves
avec abaisse-langue et valves
con abassalingue e valvi

bestehend aus: | consisting of:
compuesto de: | composé de: | composto da:
114-264-06 / 114-264-99 / 114-264-01 / 114-264-02
114-264-03 / 114-264-04 / 114-264-05



Zungendrücker
Tongue depressor
Bajalengua
Abaisse-langue
Abassalingua

allein | only | solo | seule | sola



114-264-01	**Fig. 1**	**30 x 20 mm**
114-264-02	**Fig. 2**	**65 x 26 mm**
114-264-03	**Fig. 3**	**80 x 27 mm**
114-264-04	**Fig. 4**	**95 x 27 mm**
114-264-05	**Fig. 5**	**110 x 28 mm**

114-264-06 **Mundsperrer-Rahmen**
Frame for mouth gags
Bastidor para abreboca
Cadre pour ouvre-bouche
Telaio per apribocca

114-264-99 **Silikoneinlage**
Silicone inlay
Plaquita de silicona
Plaque de silicone
Stuoia in silicone

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
114-266-00	**MCIVOR** **mit Spateln** **with tongue depressors** con bajalenguas avec abaisse-langue con abassalingue **bestehend aus: | consisting of:** **compuesto de: | composé de: | composto da:** 114-266-04 / 114-266-01 / 114-266-02 / 114-266-03		SET



Zungendrücker
Tongue depressor
Bajalengua
Abaisse-langue
Abassalingua

allein | only | solo | seule | sola



114-266-01	**Fig. 1**	**100 x 25 mm**
114-266-02	**Fig. 2**	**85 x 25 mm**
114-266-03	**Fig. 3**	**75 x 25 mm**

114-266-04 **Mundsperrer-Rahmen**
Frame for mouth gags
Bastidor para abreboca
Cadre pour ouvre-bauche
Telaio per apribocca

114-266-99 **Silikonschlauch auswechselbar**
Silicone tube exchangeable
Tubo de silicona recambiable
Tube en silicone interchangeable
Tubo flessibile in silicone sostituibile

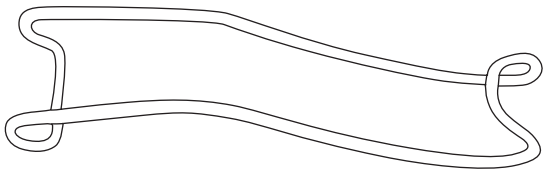


Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
114-400-11	SIMPLEX	10,5 cm; 4 1/8"	



114-405-14	STERNBERG	14,0 cm; 5 4/8" 26 mm/37 mm	



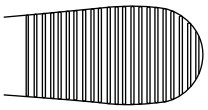


114-445-14	MINNESOTA	15,5 cm; 6 1/8"	



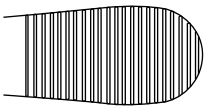
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
114-434-14	**TOBOLD**	16,0 cm; 6 2/8" 80 x 25 mm	





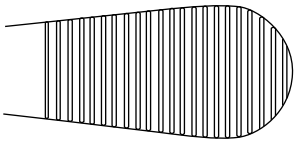
114-435-14	**TOBOLD**	15,0 cm; 5 7/8" 83 x 25 mm	



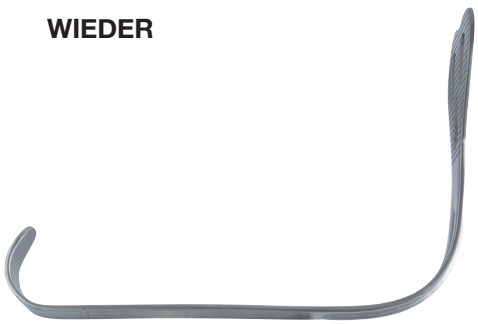


114-436-15	**HARTMANN**	15,0 cm; 5 7/8" 72 x 24 mm	

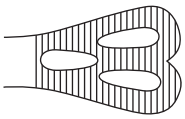


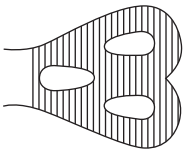


WIEDER



114-440-14	**Fig. 1**	**29 mm**		**13,0 cm; 5 1/8"**
114-440-15	**Fig. 2**	**36 mm**		**1,0 cm; 5 1/8"**



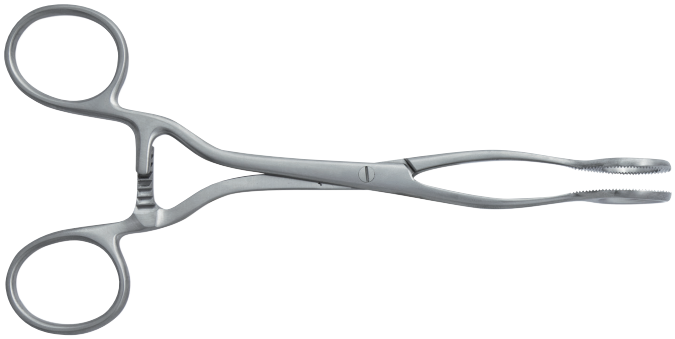


Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
114-460-19	**BRÜNINGS**	**19,0 cm; 7 4/8" 15 mm/19 mm**	



Zungenzange
Tongue Holding Forceps
Pinza tira-lengua
Pince tire-langue
Pinza per lingua

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
114-480-16	COLLIN	17,0 cm; 6 6/8"	



114-484-17	YOUNG	15,0 cm; 5 7/8"	

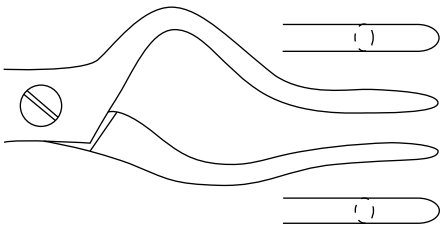


Repositionszange; Zygoma-Elevatorium
Disimpaction Forceps; Zygoma Elevators
Pinza para reposición; Elevadores cigomáticos
Pince de repositionnement; Élévateurs zygomatiques
Pinza per riduzione; Elevatori per zigomo

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

ROWE

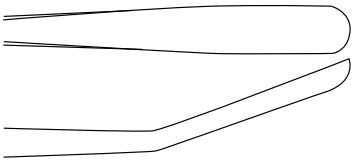




	links left izquierdo gauche sinistra	rechts right derecho droite destra	
für Kinder | for children para niños | pour enfants | per bambini	**114-490-02**	**114-491-02**	**24,0 cm; 9 4/8"**

114-500-20 **GILLIES** **24,0 cm; 7 7/8"**





Knochenhaltezange; Spreizzange
Bone Holding Forceps; Ramus Separator
Pinza para huesos; Pinza para separar el ramo
Pince pour os; Pince pour séparer ramus
Pinza per ossa; Pinza per separare il ramo

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
114-502-01	STEINHÄUSER	13,5 cm; 5 3/8"	



114-502-02	STEINHÄUSER	12,5 cm; 4 7/8"	

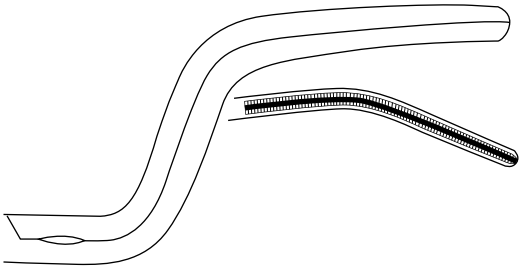
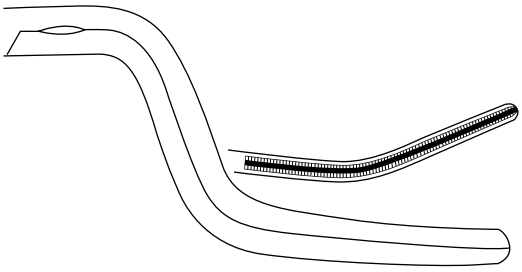


Mylohyoideusklemme
Mylohyoid Muscle Clamp
Pinza para el músculo milohioideo
Pince mylohyoidal
Pinze per muscolo miloideo

TONTARRA

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	TERRY	**17,0 cm; 6 6/8"**	

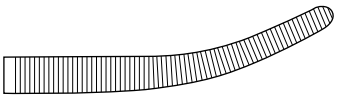


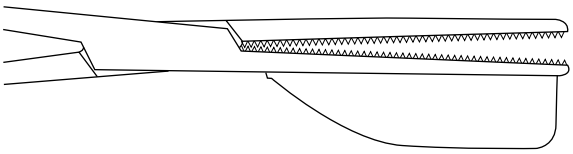
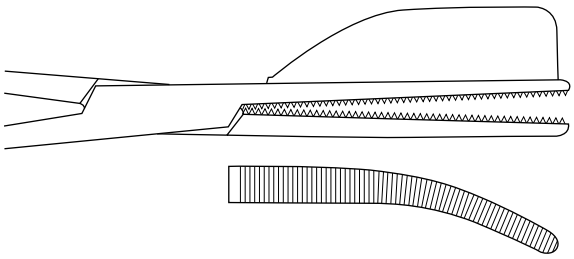
114-515-01	**links** **left** izquierdo gauche sinistra	
114-515-02	**rechts** **right** derecho droite destra	

Palatumspreizer; Ramusklemme
Palatal expander; Ramus Clamp
Separador paladial; Pinza para el ramo
Ecarteur pour ostéotomie palatine; Clamp pour ramus
Separatore per pallato; Pinze per ramo

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	STEINHÄUSER	**16,0 cm; 6 2/8"**	





114-518-01	**links** **left** izquierdo gauche sinistra	
114-518-02	**rechts** **right** derecho droite destra	

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	BAUER	**20,5 cm; 8 1/8"**	

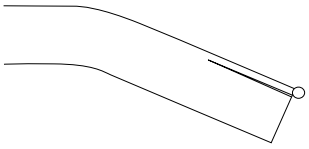




114-550-06	**6,0 mm**	
114-550-08	**8,0 mm**	

	BAUER	**20,5 cm; 8 1/8"**	

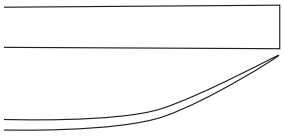




114-551-06	**6,0 mm**	
114-551-08	**8,0 mm**	

114-552-08	**EPKER-BAUER**	**17,5 cm; 6 7/8"** **8,0 mm**	



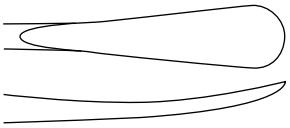


Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	EPKER	**18,0 cm; 7 1/8"**	
	graduiert | graduated | graduado | gradué | graduato		
114-560-04	**4,0 mm**		
114-560-06	**6,0 mm**		
114-560-08	**8,0 mm**		
	EPKER	**18,0 cm; 7 1/8"**	
	graduiert | graduated | graduado | gradué | graduato		
114-561-04	**4,0 mm**		
114-561-06	**6,0 mm**		
	OBWEGESER	**18,0 cm; 7 1/8"**	
114-570-06	**6,0 mm**		
114-570-07	**7,0 mm**		
114-570-09	**9,0 mm**		
114-570-11	**11,0 mm**		

Art.Nr.	Beschreibung | *Description*		*Size*	*Spez.*
	OBWEGESER		**18,0 cm; 7 1/8"**	



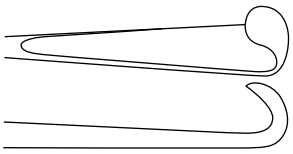
114-580-06	Fig. 1	6,0 mm	
114-580-07	Fig. 2	7,0 mm	
114-580-09	Fig. 3	9,0 mm	
114-580-11	Fig. 4	11,0 mm	



	OBWEGESER		**20,0 cm; 8"**



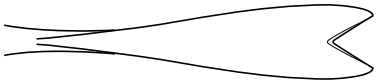
114-581-05	5,0 mm	
114-581-07	7,0 mm	
114-581-09	9,0 mm	



	OBWEGESER		**17,5 cm; 6 7/8"**



114-582-01	Fig. 1	6,0 mm	
114-582-02	Fig. 2	7,0 mm	



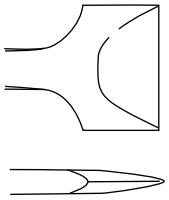
Art.Nr.	Beschreibung | *Description*		*Size*	*Spez.*
	OBWEGESER		**19,0 cm; 7 4/8"**	
	graduiert | graduated | graduado | gradué | graduato			
114-583-04	**Fig. 1**	**4,0 mm**		
114-583-06	**Fig. 2**	**6,0 mm**		
114-583-08	**Fig. 3**	**8,0 mm**		



	OBWEGESER		**22,5 cm; 8 7/8" FERROZELL**	



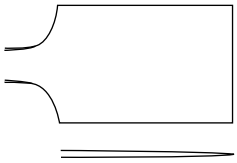
114-590-08	**8,0 mm**	
114-590-12	**12,0 mm**	
114-590-16	**16,0 mm**	



	OBWEGESER		**22,5 cm; 8 7/8" FERROZELL**	

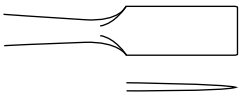


114-592-08	**8,0 mm**	
114-592-12	**12,0 mm**	
114-592-16	**16,0 mm**	
114-592-20	**20,0 mm**	



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	OBWEGESER	**15,5 cm; 6 1/8"**	



114-595-03	**3,0 mm** 		
114-597-12	**OBWEGESER**	**23,0 cm; 9"** **12,0 mm**	

Maxilla-Mobilisator | Maxillary mobilizer
Mobilizador maxilar | Mobilisateur pour maxillaire | Mobilizzatore per mascella



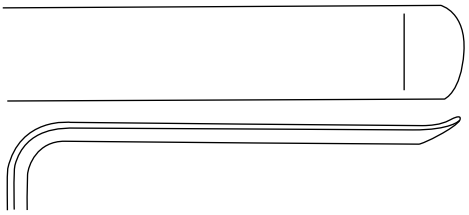
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

OBWEGESER

nach oben gebogen | curved up | angulado hacia arriba | coudé en haut | angolato in alto



114-600-25	25 x 7 mm	21,0 cm; 8 2/8"
114-600-35	35 x 10 mm	23,0 cm; 8 2/8"
114-600-42	42 x 10 mm	23,0 cm; 9"
114-600-55	55 x 12 mm	23,0 cm; 9"
114-600-70	70 x 14 mm	23,5 cm; 9 2/8"
114-600-80	80 x 16 mm	24,0 cm; 9 2/8"

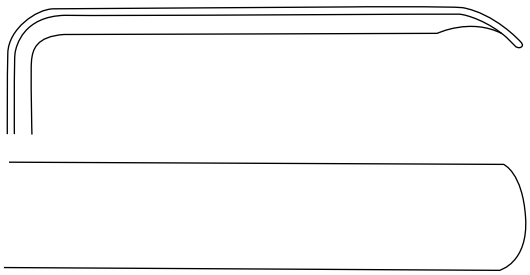


OBWEGESER

nach unten gebogen | curved down | angulado hacia abajo | coudé en bas | angolato in basso



114-601-16	16 x 5 mm	21,0 cm; 8 2/8"
114-601-25	25 x 7 mm	21,0 cm; 8 2/8"
114-601-35	35 x 10 mm	23,0 cm; 9"
114-601-42	42 x 10 mm	23,0 cm; 9"
114-601-55	55 x 12 mm	23,5 cm; 9 2/8"
114-601-70	70 x 14 mm	23,5 cm; 9 2/8"
114-601-80	80 x 16 mm	23,5 cm; 9 2/8"

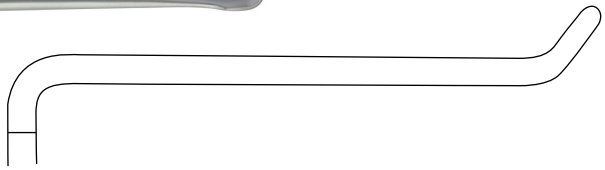


OBWEGESER

nach oben gebogen | curved up
angulado hacia arriba | coudé en haut | angolato in alto

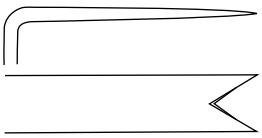


114-610-40	43 x 11 mm	22,5 cm; 8 7/8"
114-610-55	57 x 11 mm	23,0 cm; 9"
114-610-80	80 x 11 mm	23,0 cm; 9"

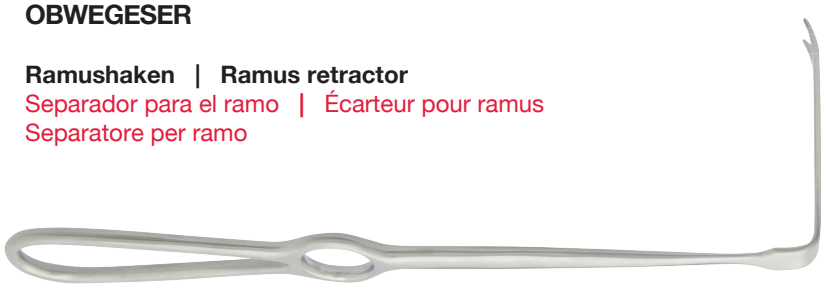


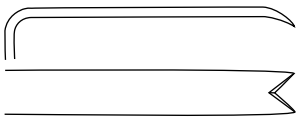
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
114-615-22	**OBWEGESER** **Spina nasalis-Haken | Nasal spine retractor** Separador para espina nasal | Ecarteur pour spina nasalis | Separatore per spina nasalis	**22,0 cm; 8 5/8"** **43 x 10 mm**	





114-617-22	**OBWEGESER** **Ramushaken | Ramus retractor** Separador para el ramo | Écarteur pour ramus Separatore per ramo	**22,0 cm; 8 5/8"** **72 x 10 mm**	





114-620-16	**OBWEGESER** **Kinnhalter | Chin retractor** Separador para mentón | Séparateur de menton | Separatore per mento	**16,5 cm; 6 4/8"**	



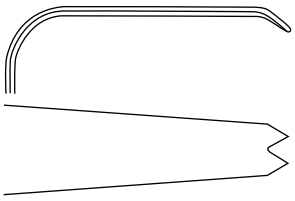
	OBWEGESER **Progenierinne | Channel retractor** Separador mandibular | Écarteur mandibulaire | Separatore mandibolare	**16,0 cm; 6 2/8"**	



114-625-08	**8,0 mm**		
114-625-10	**10,0 mm**		

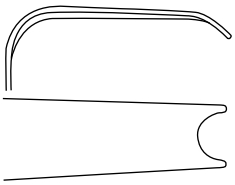
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	OBWEGESER **Ramushaken | Ramus retractor** Separador para el ramo | Écarteur pour ramus Separatore per ramo	**24,0 cm; 9 4/8"** **72 x 10 mm**	
114-635-22	**75 x 11/15 mm**		
114-637-22	**75 x 12/22 mm**		





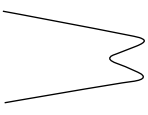
114-638-22	**OBWEGESER** **Weisheitszahn-Haken | Third molar retractor** Separador para muela del juicio | Écarteur pour dent de sagesse | Separatore per dente del giudizio	**24,0 cm; 9 4/8"** **75 x 12 / 22 mm**	





114-639-22	**OBWEGESER** **Spina nasalis-Haken | Nasal spine retractor** Separador para espina nasal | Écarteur pour spina nasalis | Separatore per spina nasalis	**24,0 cm; 9 4/8"** **45 x 10 / 23 mm**	





Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
114-755-24	**OBWEGESER**	**24,0 cm; 9 4/8"**	

Jochbogenahle | Zygomatic arch awl
Lezna para el arco cigomático | Alène pour l'arc zygomatique | Punteruolo per arco zigomatico



TONTARRA

OPEN SURGERY



Laryngo-Bronchoskopie Tonsillektomie

Laryngo-Bronchoscopy Tonsillectomy

Laringo-bronchoscopia; Tonsilectomia

Laryngo-bronchoscopie; Tonsillectomie

Laringo-bronchoscopia; Tonsilectomia

131-132

TONTARRA Medizintechnik GmbH · www.tontarra.de

Art.Nr.	Beschreibung | *Description*		*Size*	*Spez.*
131-470-00	HUBER	**Handgriff für Verlängerungsrohre** **Handle for interchangeable tubes** Mango para tubos de extensión Manche pour tubes rallonges Manico per tubi allunghi		



	BRÜNINGS	**Rohre für Handgriff 131-470-00** **Tubes for handle 131-470-00** Tubos para mango 131-470-00 Tubes pour manche 131-470-00 Tubi per manico 131-470-00		



131-474-20	22,0 cm; 8 5/8"			
131-474-30	32,0 cm; 12 /5/8"			
131-474-40	41,0 cm; 16 1/8"			
131-476-20	BRÜNINGS	**Kehlkopfrohr; gebogen; flexibel** **Interchangeable tube; curved; flexibel** Tubos de extensión; curva; flexible Tubes rallonges; courbe; flexible Tubi allunghi; curva; flessibile	18,0 cm; 7 1/8"	



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
131-480-00	FRÄNKEL		
131-482-00	SEIFFERT		
131-483-00	FRÄNKEL		
131-484-00	SCHEINMANN		
131-485-00	SCHEINMANN		
	BRÜNINGS		
131-486-02	Fig. 2	3,0 mm	
131-486-03	Fig. 3	4,0 mm	
	BRÜNINGS		
131-487-00	Fig. 2		
131-487-01	Fig. 3		
131-488-00	LANGE		
	Fig. 1		

Art.Nr.	Beschreibung | *Description*		*Size*	*Spez.*
	KRAUSE			
131-489-01	**Fig. 1**	**2,5 mm**		
131-489-02	**Fig. 2**	**3,5 mm**		
131-490-00	**KRAUSE**			
	CORDES			
131-491-01	**Fig. 1**			
131-491-02	**Fig. 2**			
131-491-03	**Fig. 3**			
131-491-04	**Fig. 4**			
131-492-00	**SCHUHMACHER**			
	CORDES			
131-493-01	**Fig. 1**			
131-493-02	**Fig. 2**			
131-494-00	**CORDES**			

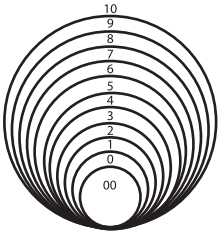
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	24,0 cm; 9 4/8"		
		**Schaft Ø 2 mm** **Shaft Ø 2 mm** Vaina Ø 2 mm Manche Ø 2 mm Camicia Ø 2 mm	
	**gerade | straight** recta | droite | retta	**131-603-00**	
	**nach oben aufgebogen** **bent upwards** | curva hacia arriba courbée vers le haut | curva in alto	**131-603-01**	
	**rechts gebogen | curved right** curva á derecha | courbée á droite curva a destra	**131-603-02**	
	**links gebogen | curved left** curva á izquierda | courbée á gauche curva a sinistra	**131-603-04**	
	**gerade | straight** recta | droite | retta	**131-601-00**	
	**nach oben aufgebogen** **bent upwards** | curva hacia arriba courbée vers le haut | curva in alto	**131-601-05**	
	**rechts gebogen | curved right** curva á derecha | courbée á droite curva a destra	**131-601-01**	
	**links gebogen | curved left** curva á izquierda | courbée á gauche curva a sinistra	**131-601-02**	
	**gerade | straight** recta | droite | retta	**131-600-00**	
	**nach oben aufgebogen** **bent upwards** | curva hacia arriba courbée vers le haut | curva in alto	**131-600-05**	
	**rechts gebogen | curved right** curva á derecha | courbée á droite curva a destra	**131-600-01**	
	**links gebogen | curved left** curva á izquierda | courbée á gauche curva a sinistra	**131-600-02**	

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

ohne Griff | without handle | sin mango | sans manche | senza manico



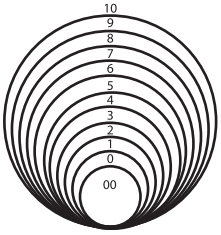
131-720-08	Fig. 00 8,0 mm	131-720-20	Fig. 5 20,0 mm
131-720-10	Fig. 0 10,0 mm	131-720-22	Fig. 6 22,0 mm
131-720-12	Fig. 1 12,0 mm	131-720-24	Fig. 7 24,0 mm
131-720-14	Fig. 2 14,0 mm	131-720-26	Fig. 8 26,0 mm
131-720-16	Fig. 3 16,0 mm	131-720-28	Fig. 9 28,0 mm
131-720-18	Fig. 4 18,0 mm	131-720-30	Fig. 10 30,0 mm



mit Griff | with handle | con mango | avec manche | con manico **18,5 cm; 7,4"**



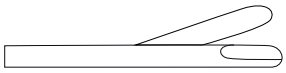
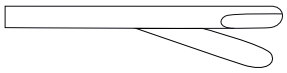
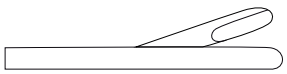
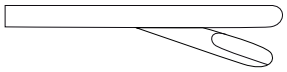
131-722-08	Fig. 00 8,0 mm	131-722-20	Fig. 5 20,0 mm
131-722-10	Fig. 0 10,0 mm	131-722-22	Fig. 6 22,0 mm
131-722-12	Fig. 1 12,0 mm	131-722-24	Fig. 7 24,0 mm
131-722-14	Fig. 2 14,0 mm	131-722-26	Fig. 8 26,0 mm
131-722-16	Fig. 3 16,0 mm	131-722-28	Fig. 9 28,0 mm
131-722-18	Fig. 4 18,0 mm	131-722-30	Fig. 10 30,0 mm



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
131-710-10		**11,0 cm; 4 4/8"**	
131-711-12		**12,5 cm; 4 7/8"**	

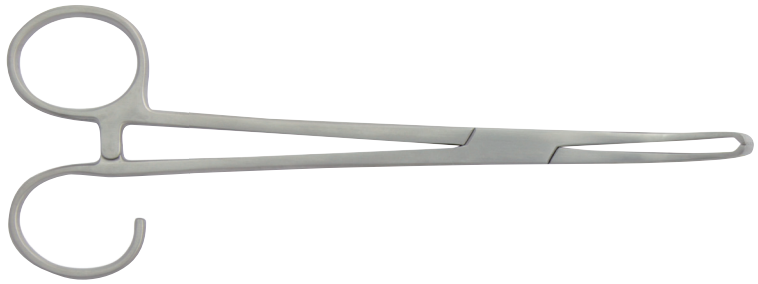
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	JURASZ	**23,0 cm; 9"**	



131-811-01	**Fig. 1** **nach rechts öffnend | opening to the right** abriendo a la derecha | ouvrir à droite | aprendo a la destra	
131-811-02	**Fig. 2** **nach links öffnend | opening to the left** abriendo a la izquierda | ouvrir à gauche | aprendo a la sinistra	
131-811-03	**Fig. 3** **nach unten öffnend | opening downwards** abriendo hacia abajo | ouvrir à la baisse | aprendo in basso	
131-811-04	**Fig. 4** **nach oben öffnend | opening upwards** abriendo hacia arriba | ouvrir ver le haut | aprendo in alto	

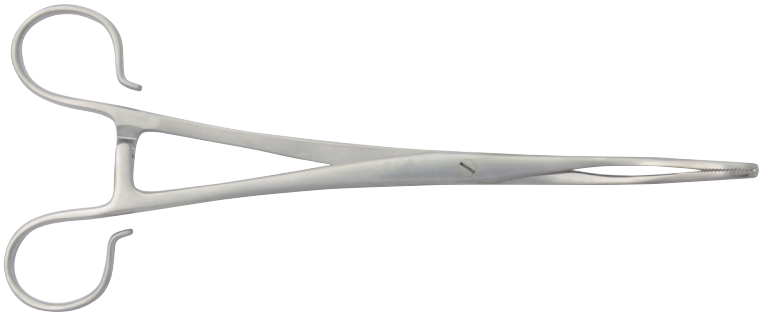
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	SCHNIDT		
132-181-19	**18,5 cm; 7 2/8"**		
132-183-19	**19,0 cm; 7 4/8"**		
	SCHNIDT		
132-185-19	**18,5 cm; 7 2/8"**		
132-187-19	**19,0 cm; 7 4/8"**		

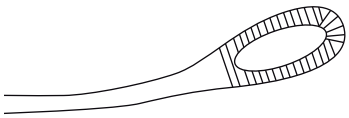
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
132-476-18	WHITE	18,0 cm; 7 1/8"	





Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
132-481-20	BLOHMKE	20,0 cm; 7 1/8"	





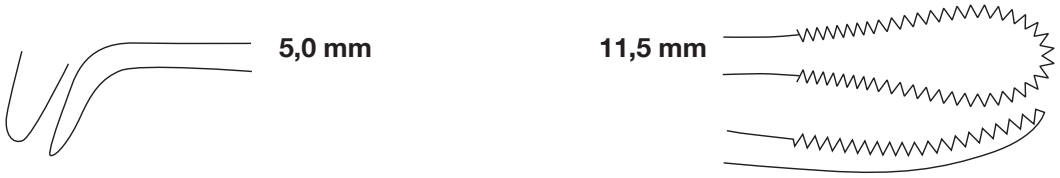
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
132-453-10	**HURD**	22,5 cm; 8 7/8"	





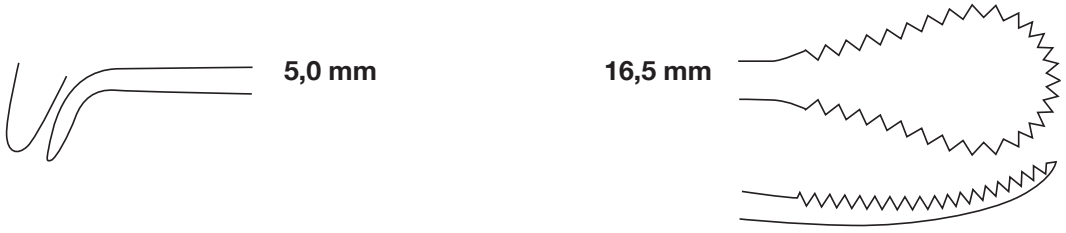
132-455-23	**HENKE**	24,5 cm; 9 5/8"	





132-456-23	**HENKE**	24,5 cm; 9 5/8"	





Tonsillenmesser; Tamponstopfer
Tonsil Knife; Gauze Packers
Cuchillo; Taponeadores
Bistouri pour amygdales; Porte-tampon
Bisturi per tonsille; Tamponatori

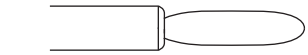
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
132-450-23	BRÜNINGS	23,0 cm; 9"	



Tonsillenschnürer
Tonsil Snares
Cierra-nudos para amígdalas
Serre-nœuds pour amygdales
Serranodi per tonsille

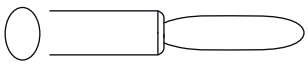
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
132-500-28	**EVES** **ohne Raste | without ratchet** sin cremallera | sans cran d'arrêt | senza cremagliera	**28,5 cm; 11 2/8"** **shaft Ø 6,0 mm**	





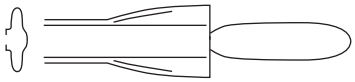
132-502-28	**EVES** **mit Raste | with ratchet** con cremallera | avec cran d'arrêt | con cremagliera	**28,5 cm; 11 2/8"** **shaft Ø 6,0 mm**	



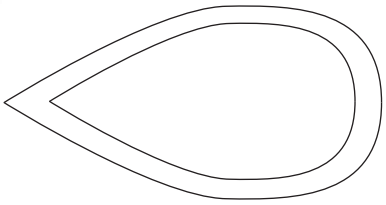


132-506-28	**BRÜNINGS** **mit doppelter Raste | with double ratchet** con cremallera doble | avec cran d'arrêt | con cremagliera doppio	**29,0 cm; 11 3/8"** **shaft Ø 9,5 mm**	

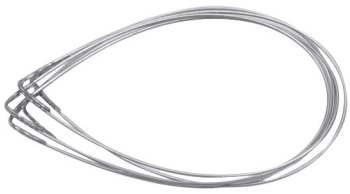




Schlingen
Wire loop
Asa de alambre
Anse en fil
Laccio



Pack mit 100 Stück | Package of 100 pieces
Paquete con 100 piezas | Paquet avec 100 pièces | Confezione di 100 pezzi



132-520-40	**Ø 40 x 0,4 mm**
132-520-50	**Ø 50 x 0,4 mm**

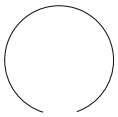
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
132-521-03	**Schürdraht** **Snare wire** Alambre Fil Filo	**Ø 0,3 mm**	

Pack mit 12 Stück | Package of 12 pieces
Paquete con 12 piezas | Paquet avec 12 pièces | Confezione di 12 pezzi



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	HARTMANN	**12,0 cm; 4 6/8"**	

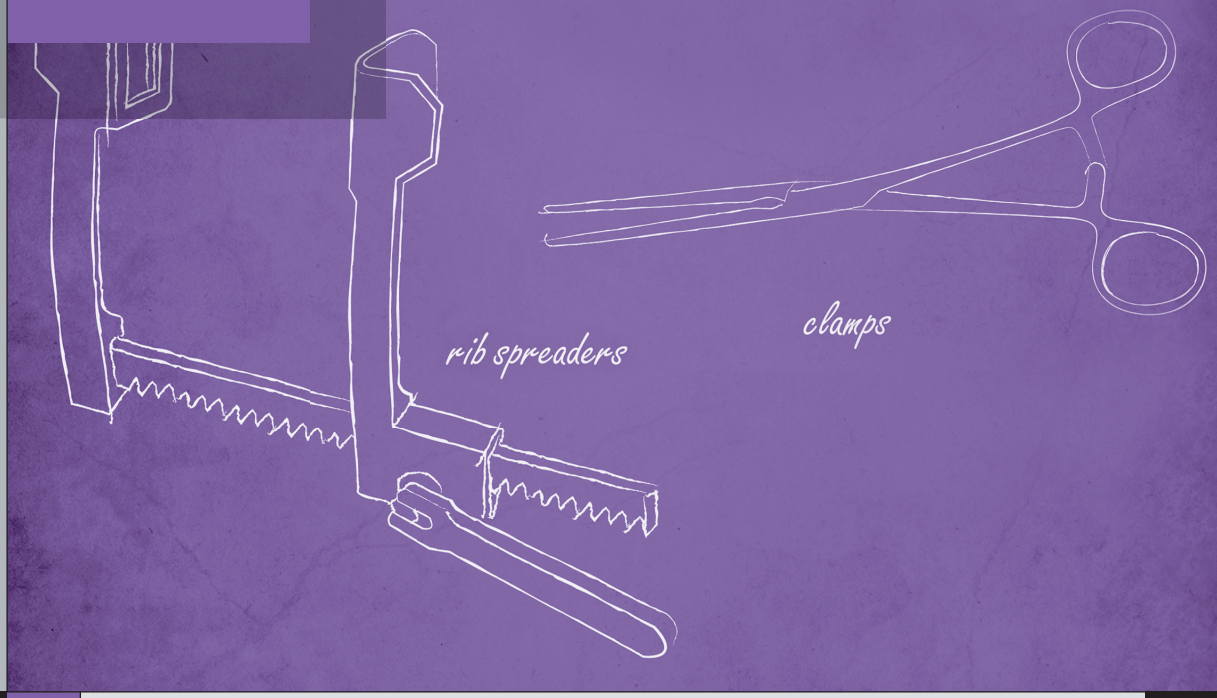


132-526-13	**Fig. 1**	**13,0 mm**	
132-526-15	**Fig. 2**	**15,0 mm**	



TONTARRA

OPEN SURGERY



Herz- und Gefäßchirurgie

Cardiovascular Surgery

Cirugia cardiovascular

Chirurgie cardio-vasculaire

Chirurgia cardiovascolare

140

Knochen- und Rippenscheren
Bone and Rib Shears
Cizallas para hueso; Costótomos
Cisailles á os; Costotomos
Cesoia per ossa; Costotomi

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
140-012-23		**23,0 cm; 9"**	



140-013-22		**23,0 cm; 9"**	



140-015-22	**GLUCK** **ziehender Schnitt** **drawing cut** corte oblicuo lame glissante lama di retroazione	**21,0 cm; 8 2/8"**	



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
140-022-34	BETHUNE	34,5 cm; 13 5/8"	



140-023-26	SAUERBRUCH	26,0 cm; 10 2/8"	

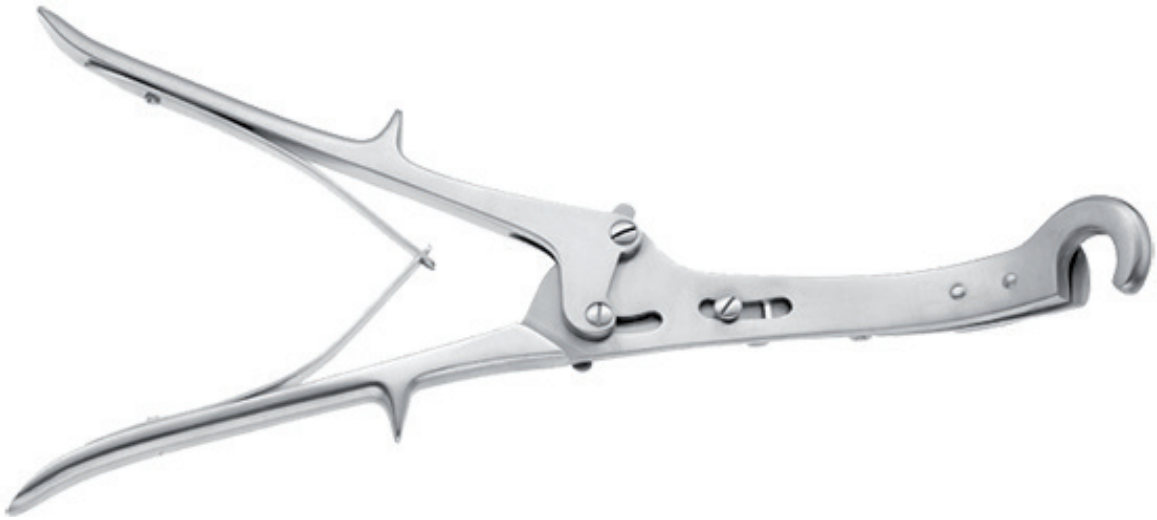


140-030-27	GIERTZ-STILLE	24,5 cm; 9 5/8"	



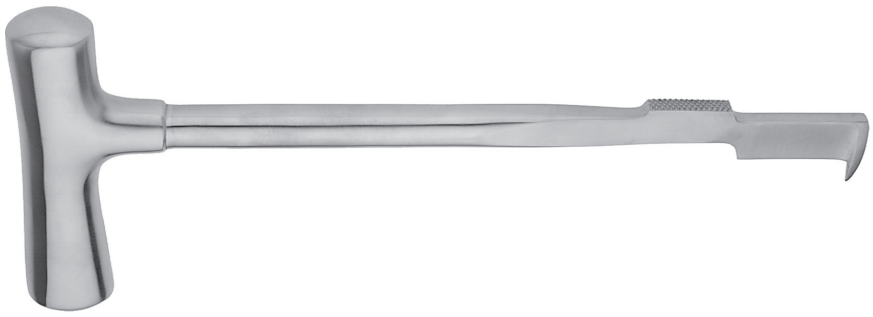
Rippenscheren; Sternummeißel
Rib Shears; Sternum Chisel
Costótomos; Cincel para esternón
Costotomos; Ciseaux-burin à sternum
Costotomi; Scalpello per sterno

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	BRUNNER	**32,0 cm; 12 5/8"**	



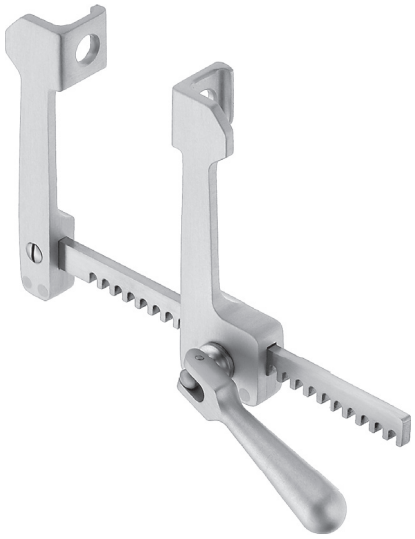
140-041-32	**für die rechte Hand** **for right hand** para la mano derecha pour la main droite per la mano destra	**140-043-32**	**für die linke Hand** **for left hand** para la mano izquierda pour la main gauche per la mano sinistra

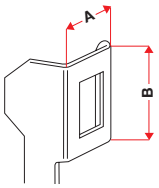
140-080-25	**LEBSCHE**	**24,5 cm; 9 5/8"**

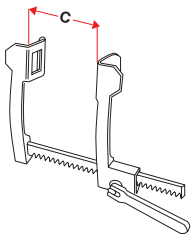


Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

BAILY-FINOCHIETTO INFANT ALUMINIUM



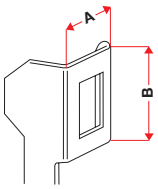


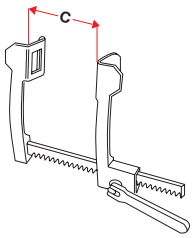


A	B	C	
12 mm	14 mm	74 mm	140-100-01AL

COOLEY ALUMINIUM





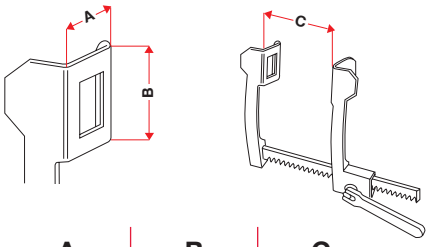


A	B	C	
12 mm	16 mm	79 mm	140-130-01AL
20 mm	30 mm	117 mm	140-130-02AL
14 mm	16 mm	86 mm	140-130-03AL
17 mm	20 mm	90 mm	140-130-04AL

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

HAIGHT-FINOCHIETTO BABY ALUMINIUM



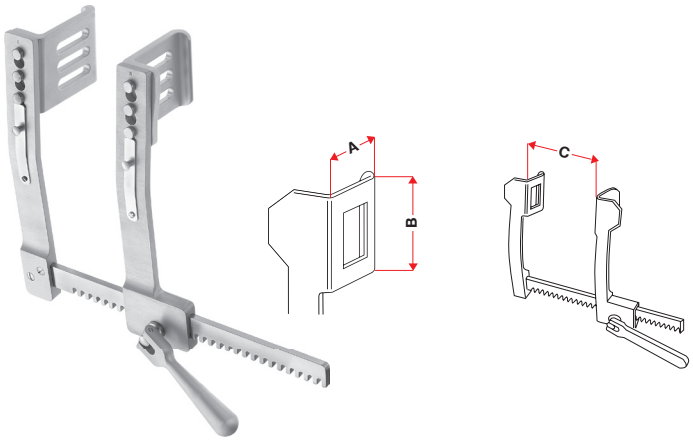


Art.Nr.	A	B	C
140-106-01AL	30 mm	30 mm	100 mm

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

BURFORD ALUMINIUM

mit 2 Paar Valven | with 2 pairs of blades
con 2 pares de valvas | avec 2 paires de valves | con 2 paia di valve



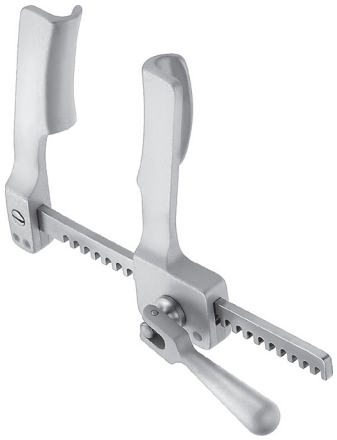
Seitenvalven
Lateral Blades
Valvas laterales
Valves latéralese
Valve laterali

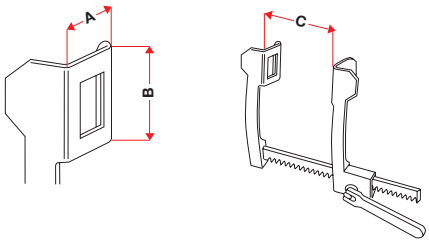
140-140-45AL 47/62 mm

140-140-65AL 65/62 mm

	A1 / B1	A2 / B2	C
140-140-01AL	47/62 mm	65/62 mm	200 mm
140-140-02AL	47/62 mm	65/62 mm	260 mm
140-140-03AL	47/62 mm	65/62 mm	300 mm

CASTAÑEDA ALUMINIUM

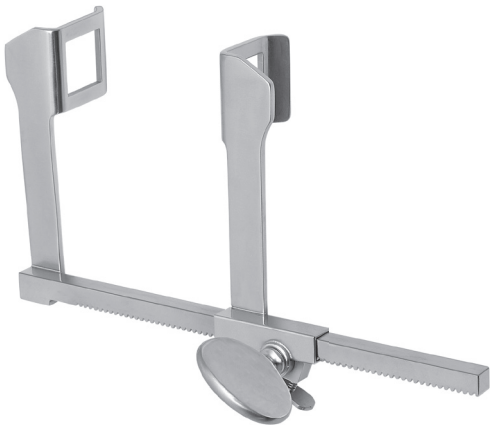


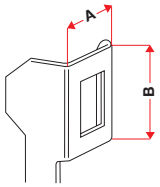


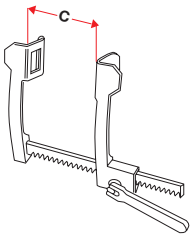
		A	B	C
140-135-03AL	**für Säuglinge | for babies** para recién nacidos | pour nourissons | per neonati	10 mm	32 mm	64 mm
140-135-02AL	**für Kleinkinder | for infants** para bebés | pour enfants petits | per bambini piccoli	12 mm	45 mm	70 mm
140-135-01AL	**für Kleinkinder | for infants** para bebés | pour enfants petits | per bambini piccoli	15 mm	60 mm	120 mm

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

HAIGHT





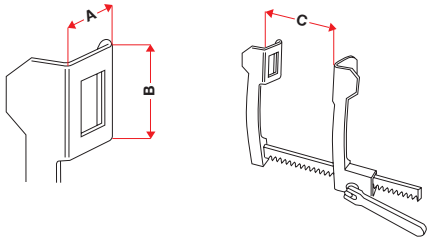


	A	B	C
140-110-00	31 mm	31 mm	126 mm

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

MORSE FAVALORO



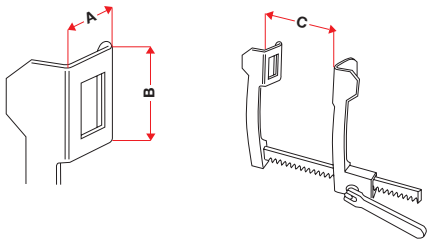


A	B	C
22 mm	27 mm	200 mm

140-114-01 **für Erwachsene | for adults**
para adultos | pour adultes | per adulti

TUFFIER



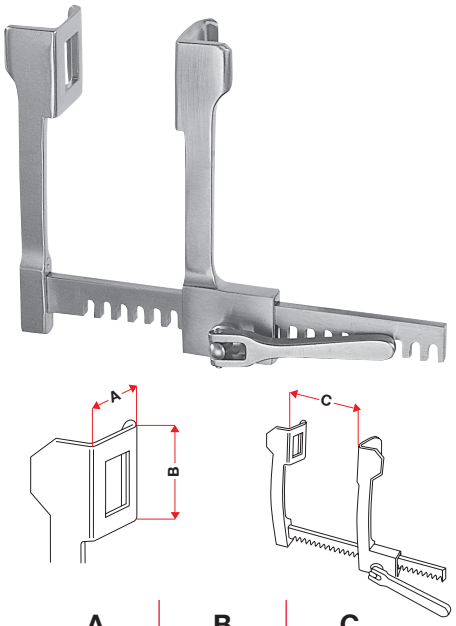


A	B	C
45 mm	45 mm	165 mm

140-150-01

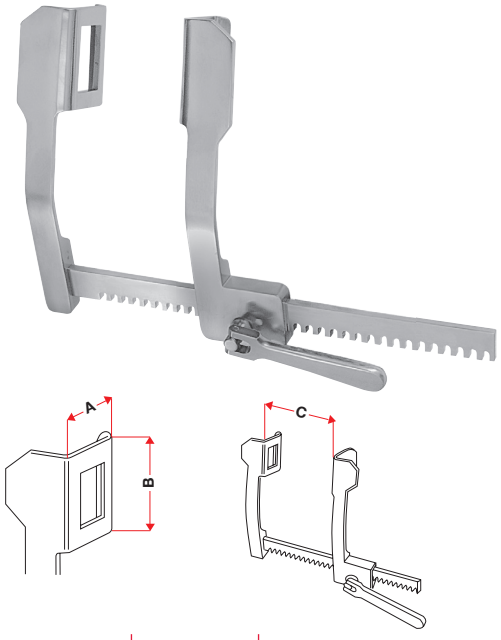
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

FINOCCHIETTO-BABY



	A	B	C
140-100-01	18 mm	20 mm	75 mm

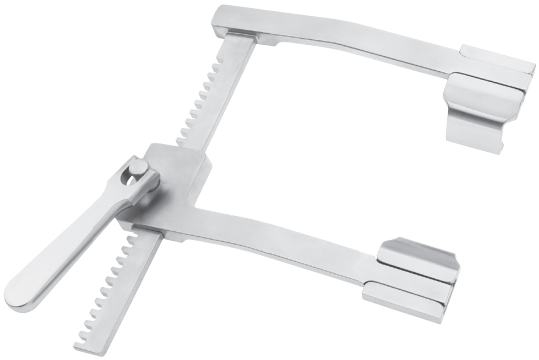
FINOCCHIETTO



	A	B	C
140-100-02	30 mm	45 mm	150 mm
140-100-03	45 mm	65 mm	190 mm
140-100-04	80 mm	65 mm	190 mm

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

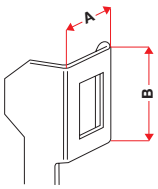
DE BAKEY

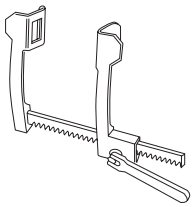


140-122-00 **mit 3 Paar Valven**
with 3 pairs of blades
con 3 pares de valvas
avec 3 paires de valves
con 3 paia di valve

140-122-10 **Sperrer allein**
Retractor only
Separador suelto
Ecarteur seul
Divaricatore solo

Seitenvalven
Lateral Blades
Valvas laterales
Valves latérales
Valve laterali





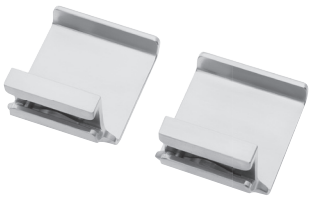
		A	B
140-122-01	Fig. 1	30 mm	30 mm
140-122-02	Fig. 2	40 mm	40 mm
140-122-03	Fig. 3	50 mm	50 mm



140-122-01



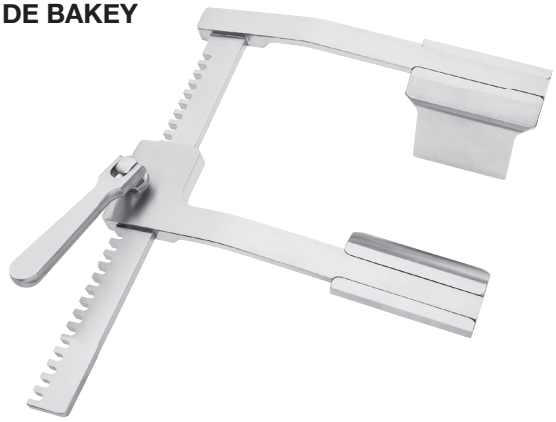
140-122-02



140-122-03

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

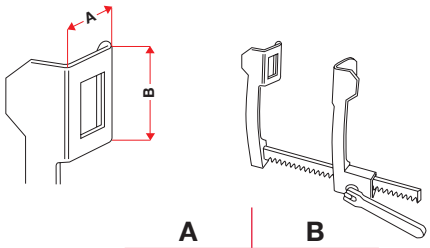
DE BAKEY



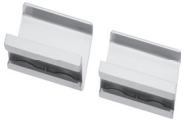
140-120-00 **mit 3 Paar Valven (Figur 1-3)**
with 3 pairs of blades (Fig. 1-3)
con 3 pares de valvas (Fig. 1-3)
avec 3 paires de valves (Fig. 1-3)
con 3 paia di valve (Fig. 1-3)

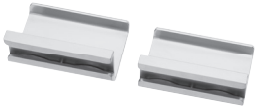
140-120-10 **Sperrer allein**
Retractor only
Separador suelto
Ecarteur seul
Divaricatore solo

Seitenvalven (1 Paar)
Lateral Blades (1 pair)
Valvas laterales
Valves latérales
Valve laterali



		A	B
140-120-01	Fig. 1	60 mm	60 mm
140-120-02	Fig. 2	50 mm	80 mm
140-120-03	Fig. 3	40 mm	100 mm
140-120-04	Fig. 4	80 mm	60 mm
140-120-05	Fig. 5	50 mm	66 mm


140-120-01


140-120-02

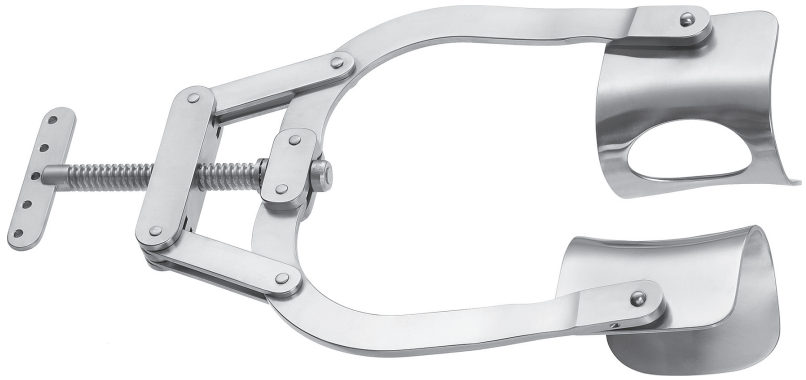

140-120-03


140-120-04


140-120-05

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

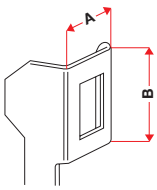
MERCEDES

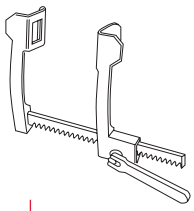


140-145-00 **mit 2 Paar Valven**
with 2 pairs of blades
con 2 pares de valvas
avec 2 paires de valves
con 2 paia di valve

140-145-01 **Sperrer allein**
Retractor only
Separador suelto
Ecarteur seul
Divaricatore solo

Seitenvalven (1 Paar)
Lateral Blades (1 pair)
Valvas laterales
Valves latéralese
Valve laterali





		A	B
140-145-65	Fig. 1	48 mm	68 mm
140-145-75	Fig. 2	70 mm	75 mm

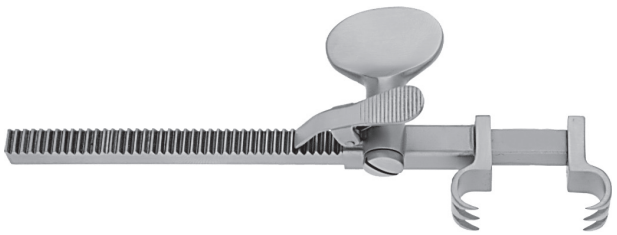


140-145-65



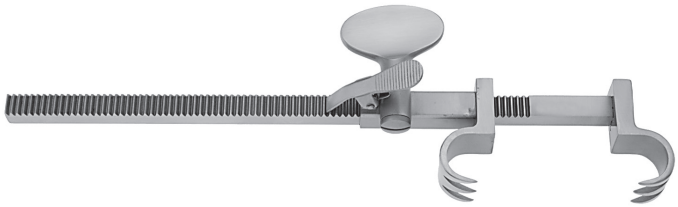
140-145-75

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
140-318-14	**BAILEY-BABY**	15,5 cm; 6 1/8"	



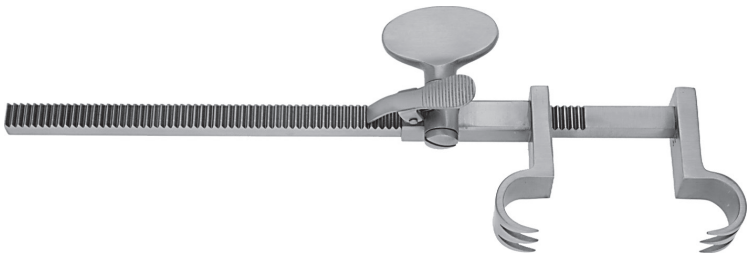
140-320-16	**BAILEY**	20,0 cm; 7 7/8"	

kurze Klauen | short claws | garras cortas | bras courts | pinze corte



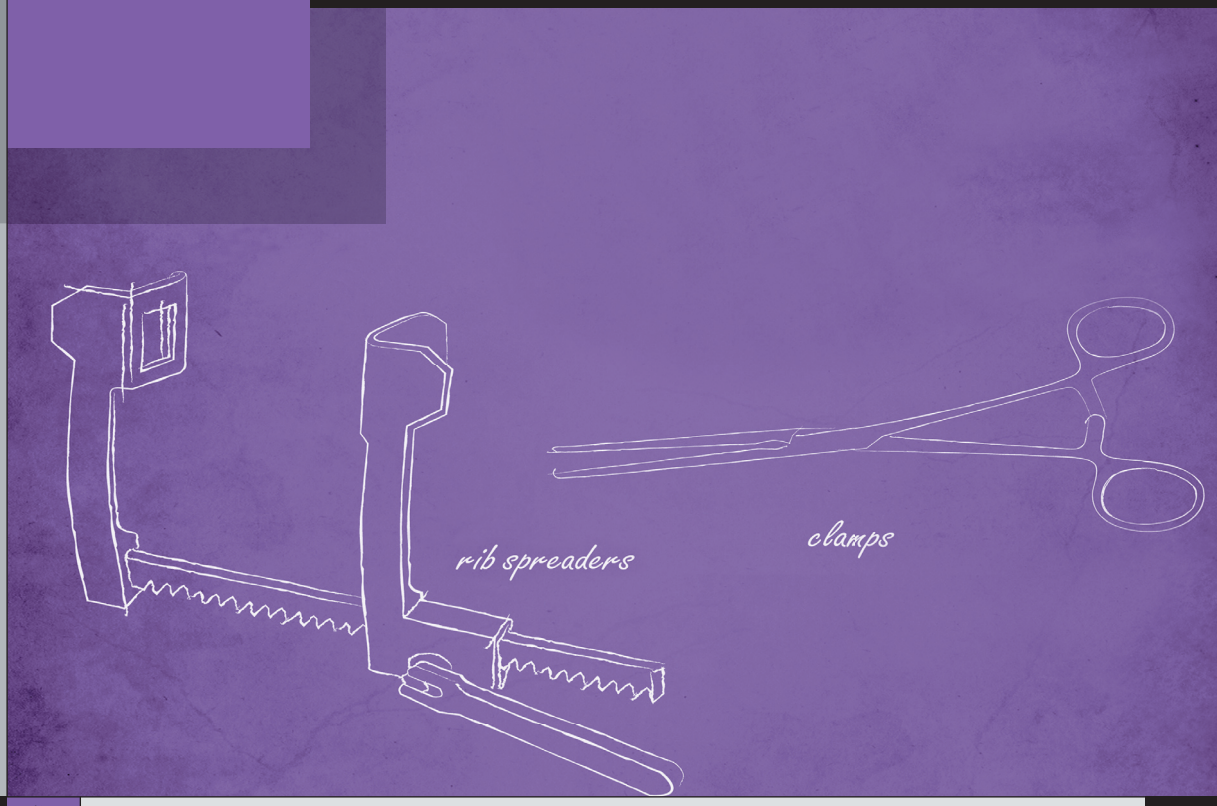
140-326-16	**BAILEY-GIBBON**	20,0 cm; 7 7/8"	

lange Klauen | long claws | garras largas | bras longs | pinze lunghe



TONTARRA

OPEN SURGERY



Herz- und Gefäßchirurgie

Cardiovascular Surgery

Cirugia cardiovascular

Chirurgie cardio-vasculaire

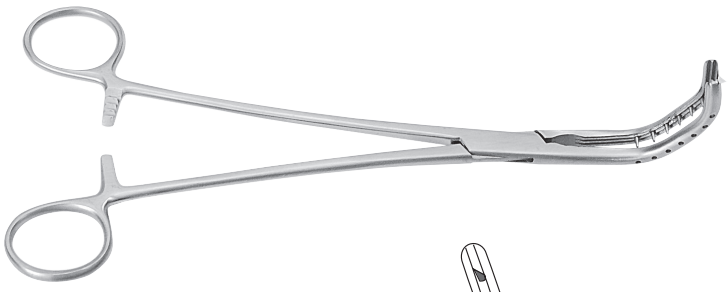
Chirurgia cardiovascolare

141

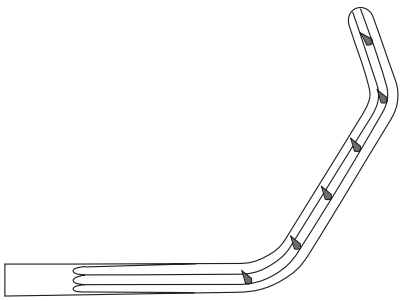
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
141-001-22	**PRICE-THOMAS**	22,0 cm; 8 5/8"	



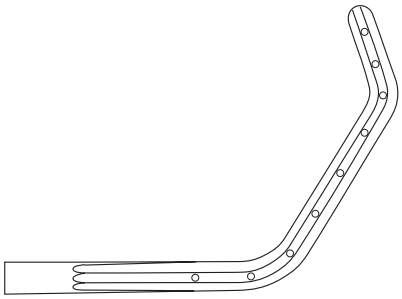
	PRICE-THOMAS	22,0 cm; 8 5/8"	



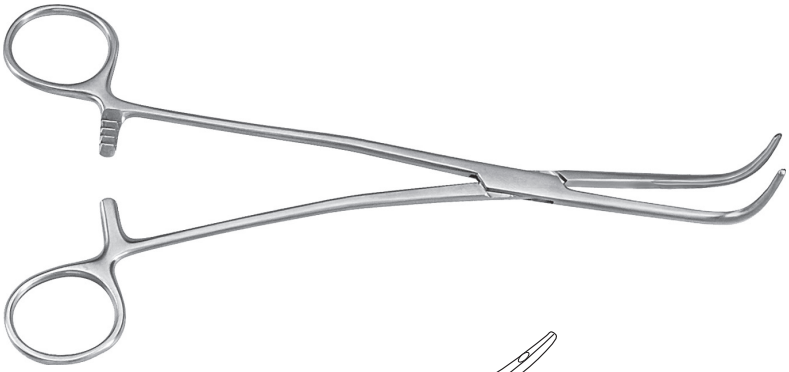
141-002-01 **Fig. 1**



141-002-02 **Fig. 2**



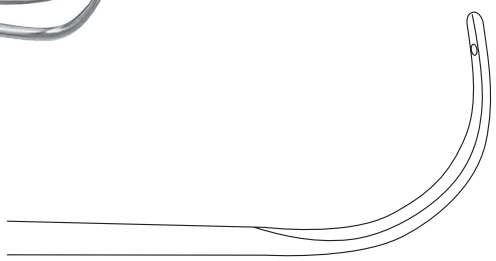
	SEMB	25,0 cm; 9 7/8"	



141-003-01



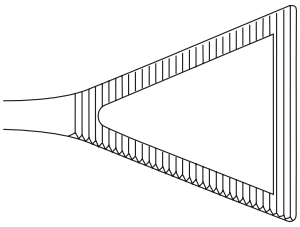
141-003-02



Lungenfasszangen
Lung Grasping Forceps
Pinzas para agarrar el pulmón
Pince-clamps à poumons
Pinze per afferrare polmone

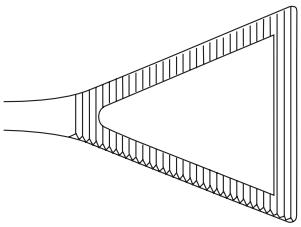
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
141-004-20	LOVELACE	20,5 cm; 8 1/8"	





141-005-20	LOVELACE	19,0 cm; 7 4/8"	

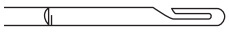
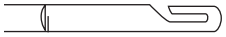




Fadenfänger; Tourniquets
Ligature Catchers; Tourniquets
Porta ligaduras; Tourniquetes
Porte-ligatures; Tourniquets
Porta legature; Tornichetti

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
		26,0 cm; 10 2/8"	



141-028-20		Ø 2,0 mm	141-028-25		Ø 2,5 mm
141-028-30		Ø 3,0 mm	141-028-40		Ø 4,0 mm

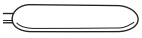
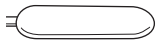
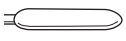
RUMEL-BELMONT



141-030-32	Ø 3,2 mm	27,0 cm; 10 5/8"
141-030-64	Ø 6,4 mm	30,5 cm; 12”

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	DE BAKEY	**19,0 cm; 7 4/8"**	



141-304-05	**Ø 0,5 mm**		**141-304-35**	**Ø 3,5 mm**	
141-304-10	**Ø 1,0 mm**		**141-304-40**	**Ø 4,0 mm**	
141-304-15	**Ø 1,5 mm**		**141-304-45**	**Ø 4,5 mm**	
141-304-20	**Ø 2,0 mm**		**141-304-50**	**Ø 5,0 mm**	
141-304-25	**Ø 2,5 mm**		**141-304-70**	**Ø 7,0 mm**	
141-304-30	**Ø 3,0 mm**		**141-304-90**	**Ø 9,0 mm**	

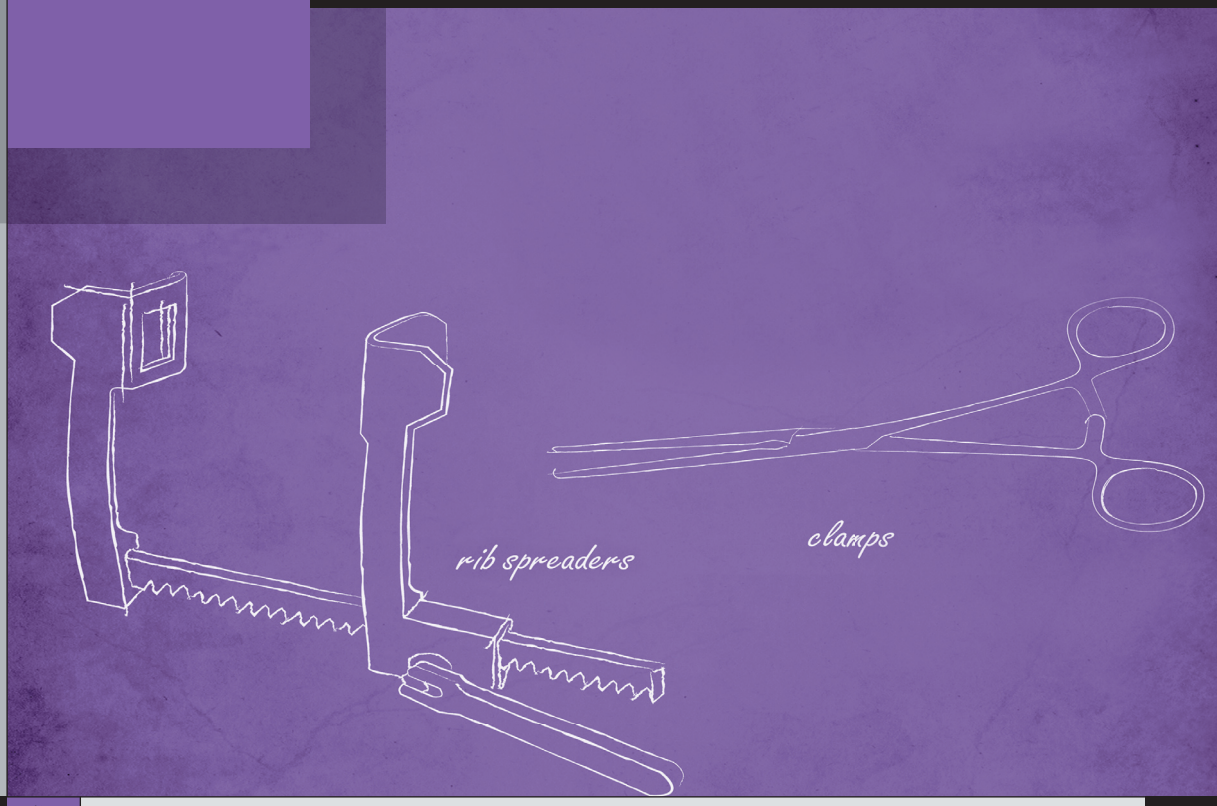
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	COOLEY	**13,0 cm; 5,2"**	



141-316-05	**Ø 0,5 mm**		**141-316-25**	**Ø 2,5 mm**	
141-316-10	**Ø 1,0 mm**		**141-316-30**	**Ø 3,0 mm**	
141-316-15	**Ø 1,5 mm**		**141-316-40**	**Ø 4,0 mm**	
141-316-20	**Ø 2,0 mm**		**141-316-50**	**Ø 5,0 mm**	

TONTARRA

OPEN SURGERY



Herz- und Gefäßchirurgie

Cardiovascular Surgery

Cirugia cardiovascular

Chirurgie cardio-vasculaire

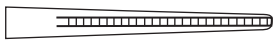
Chirurgia cardiovascolare

142

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	DE BAKEY-RANKIN	**16,0 cm; 6 2/8"**	ATRAUMA



142-000-16



142-001-16



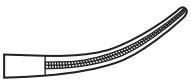
	DE BAKEY-MOSQUITO	**15,0 cm; 5 7/8"**	ATRAUMA



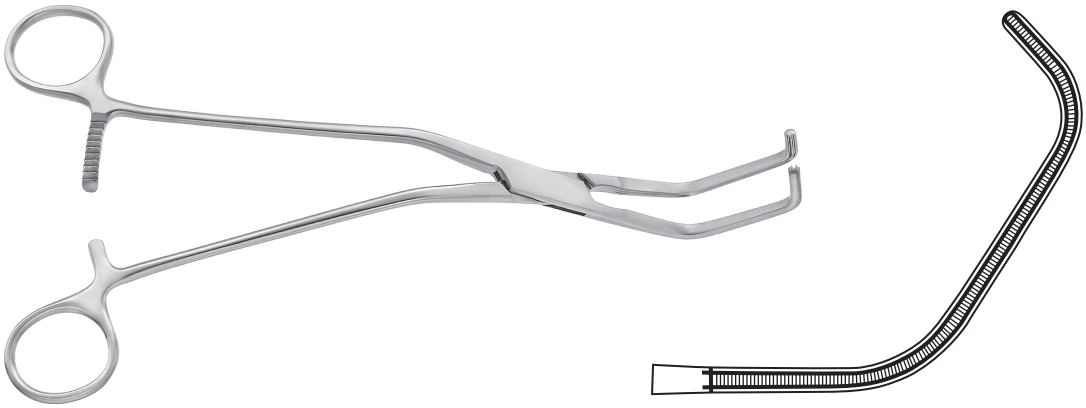
142-002-15



142-003-15



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
142-010-23	OCHSNER	22,0 cm; 8 5/8"	ATRAUMA



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
142-015-21	DIETRICH	22,0 cm; 8 5/8"	ATRAUMA



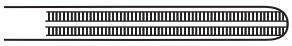
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

DARDIK

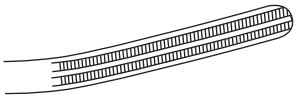
ATRAUMA



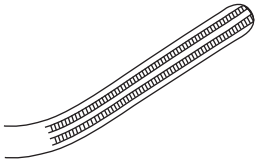
142-020-00
15,0 cm; 5 7/8"



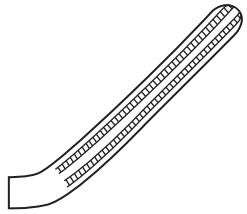
142-020-15 **15°**
15,5 cm; 6 1/8"



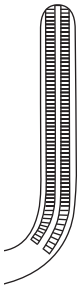
142-020-30 **30°**
15,5 cm; 6 1/8"



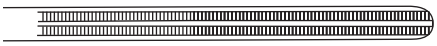
142-020-45 **45°**
15,0 cm; 5 7/8"



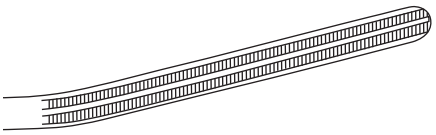
142-020-90 **90°**
13,5 cm; 5 3/8"



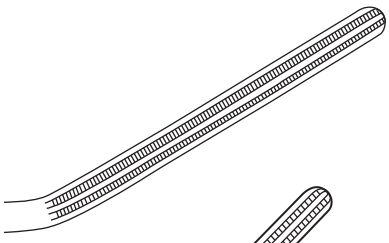
142-022-00
17,0 cm; 6 6/8"



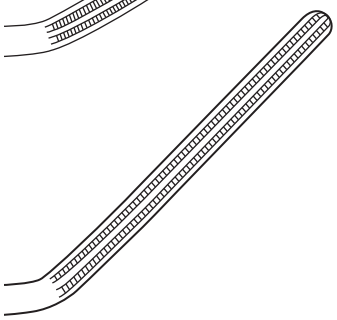
142-022-15 **15°**
16,5 cm; 6 4/8"



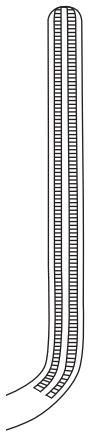
142-022-30 **30°**
16,5 cm; 6 4/8"



142-022-45 **45°**
17,0 cm; 6 6/8"

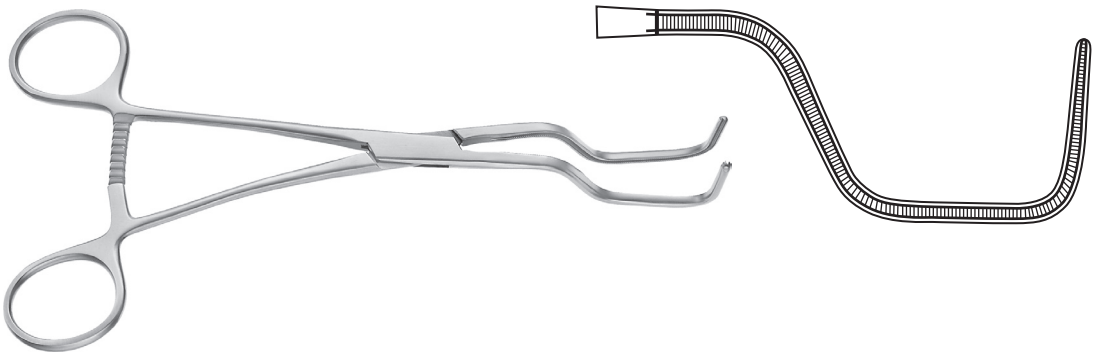


142-022-90 **90°**
13,5 cm; 5 3/8"

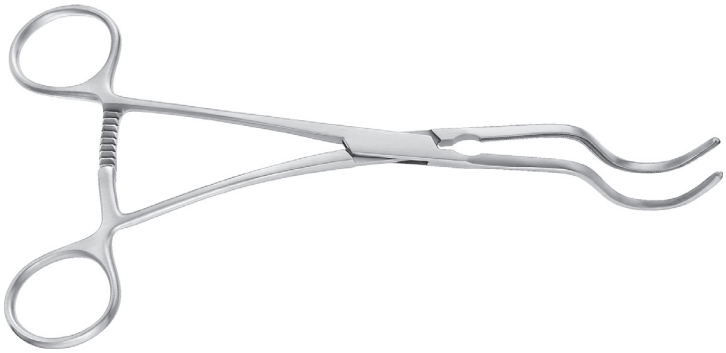


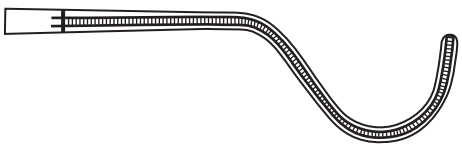
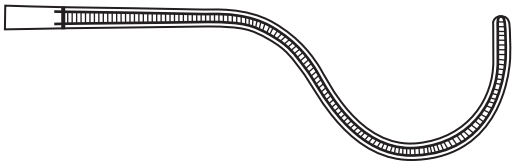
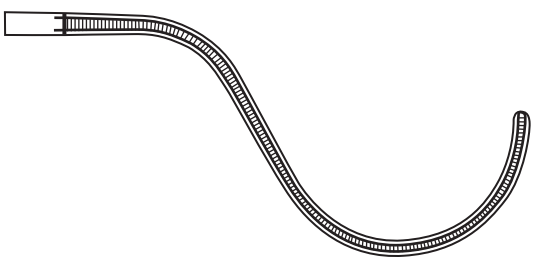
Peripheral-Gefäßklemmen
Peripheral Vascular Clamps
Pinzas para vasos periféricos
Pinces-clamps vasculaires périphériques
Pinze vascolari periferali

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
142-025-18	**DALE**	18,0 cm; 7 1/8"	ATRAUMA



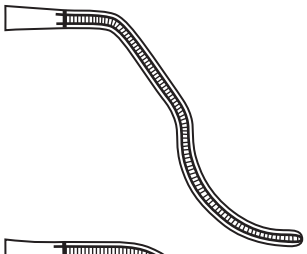
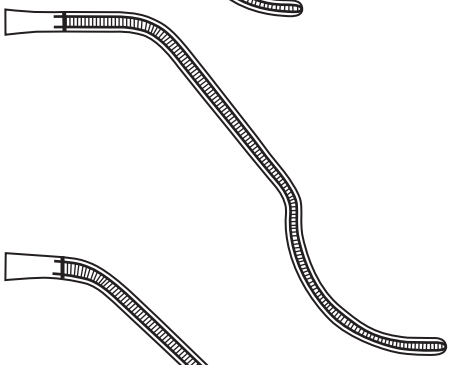
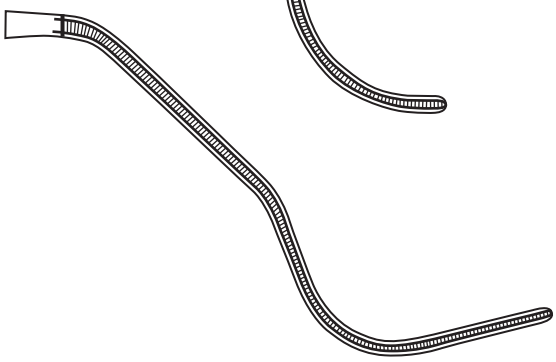
	DALE		ATRAUMA



142-030-17	17,5 cm; 6 7/8"	
142-030-18	18,0 cm; 7 1/8"	
142-030-19	18,5 cm; 7 2/8"	

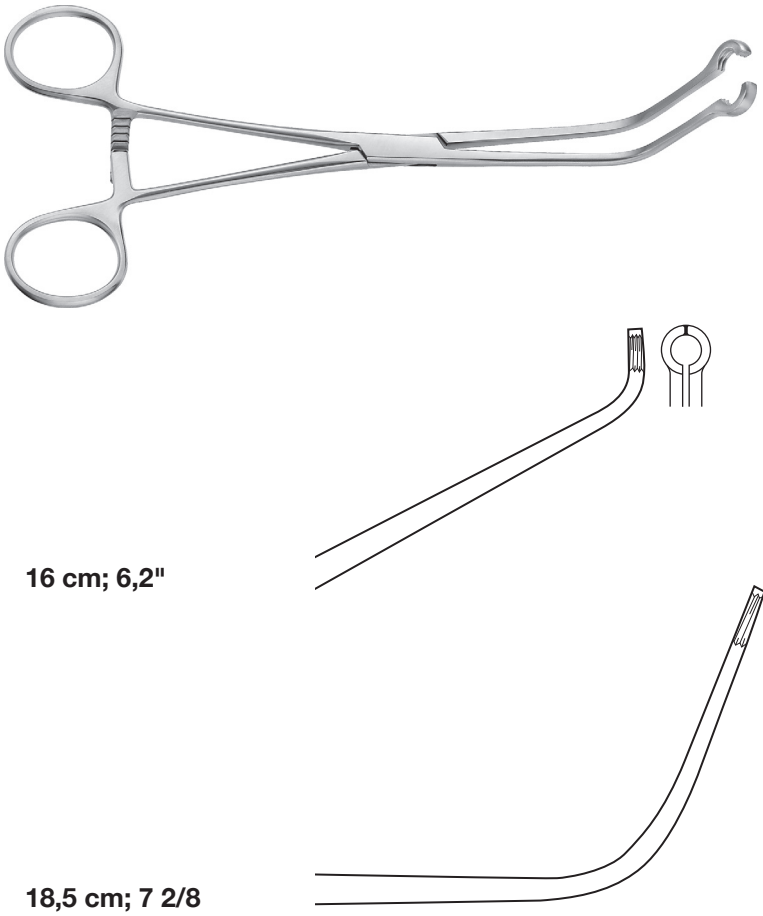
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	GREGORY		ATRAUMA



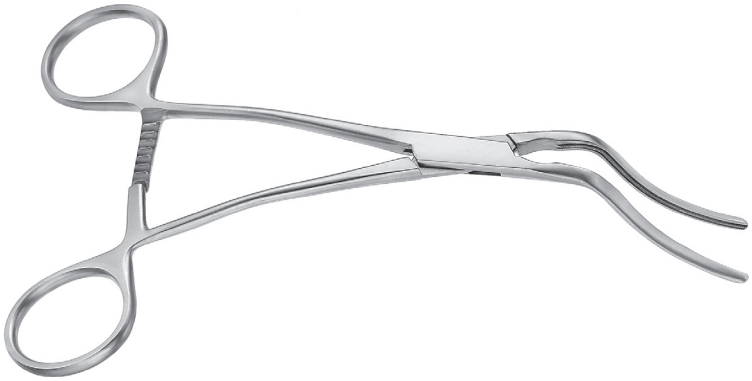
142-035-14	**13,5 cm; 5 3/8"**	
142-035-16	**16,0 cm; 6 2/8"**	
142-035-18	**18,0 cm; 7 1/8"**	

Carotis-Shuntklemmen
Carotid Shunt Clamps
Pinzas para shunt carótido
Pinces pour carotide
Pinze carotis

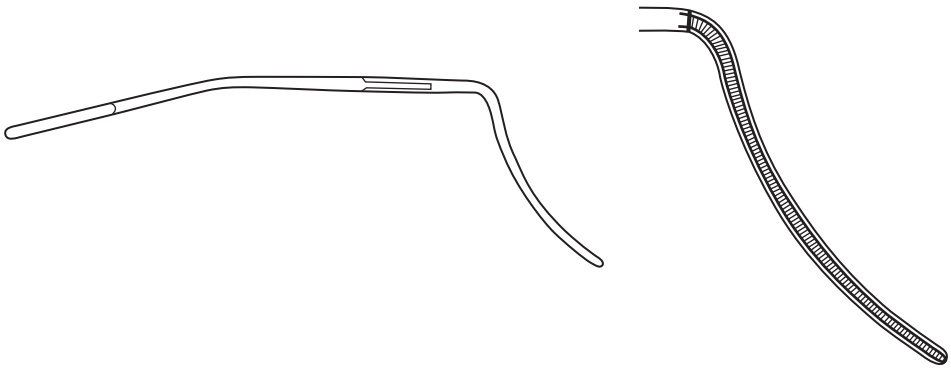
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	JAVID		ATRAUMA
142-040-18	**16 cm; 6,2"**		
142-040-19	**18,5 cm; 7 2/8**		



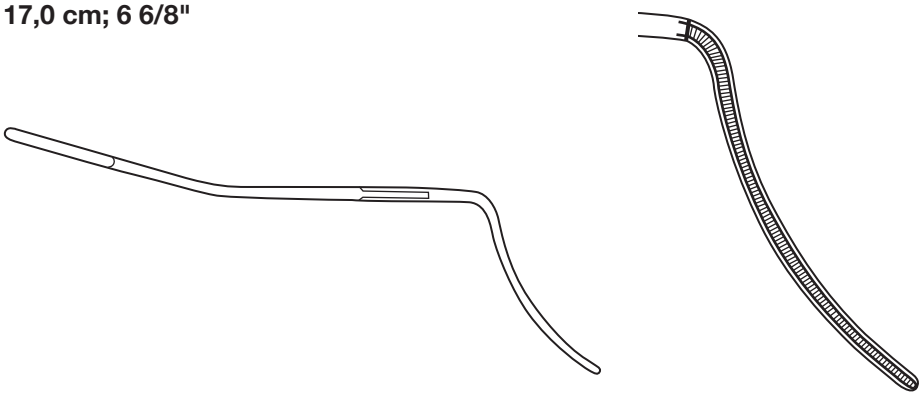
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	MARTIN		ATRAUMA



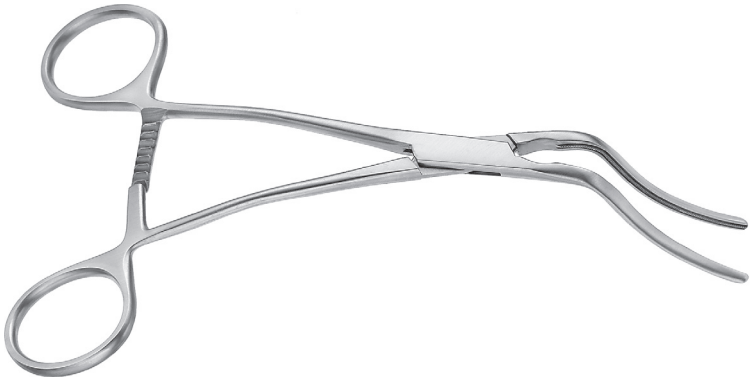
142-050-16	**16,0 cm; 6 2/8"**	



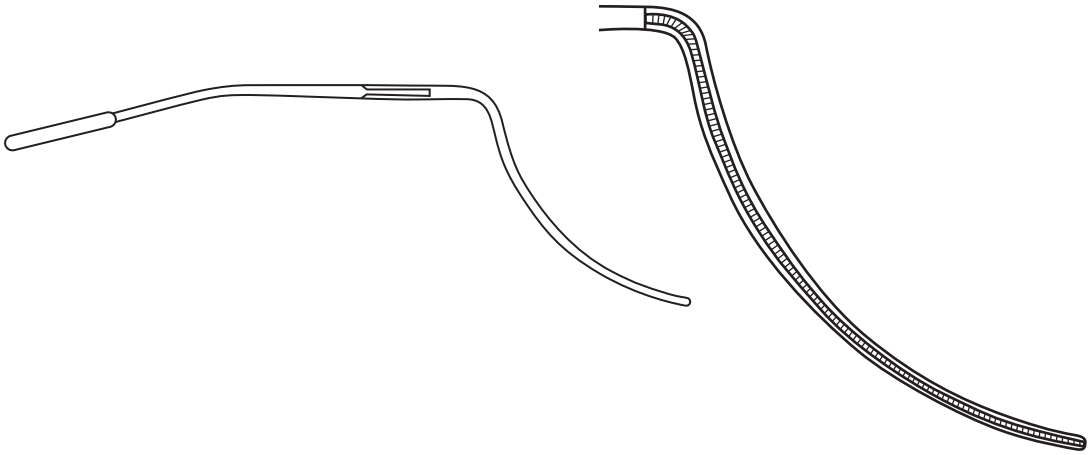
142-050-17	**17,0 cm; 6 6/8"**	



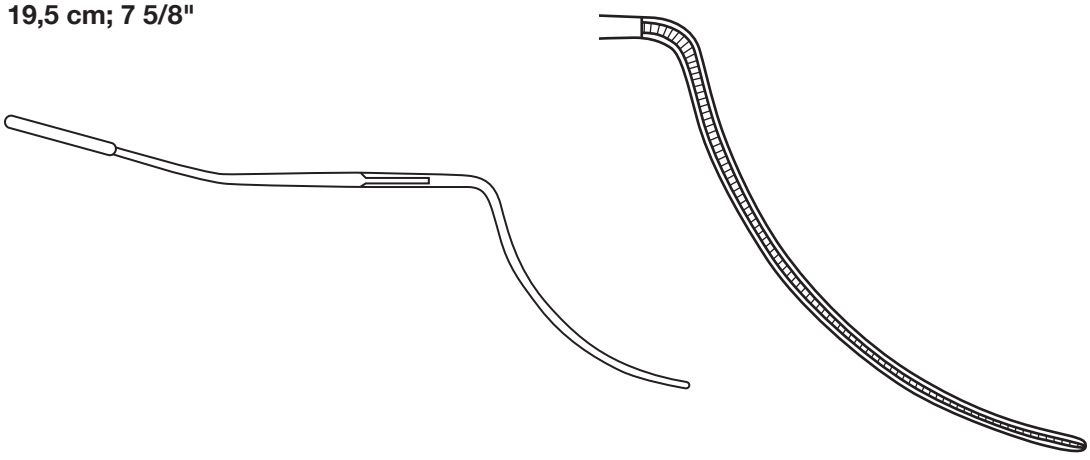
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	MARTIN		ATRAUMA



142-050-18	**18,0 cm; 7 1/8"**	



142-050-20	**19,5 cm; 7 5/8"**	



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

POTTS

ATRAUMA





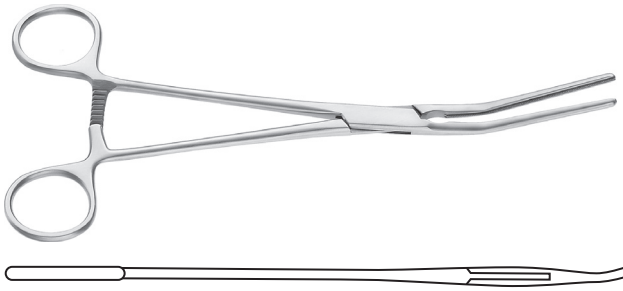
142-080-21 21,0 cm; 8 2/8"

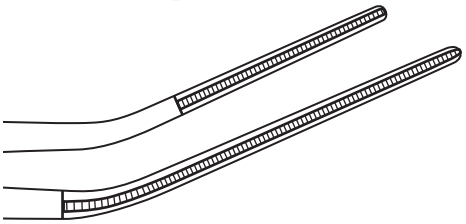


142-080-22 22,5 cm; 8 7/8"

POTTS

ATRAUMA



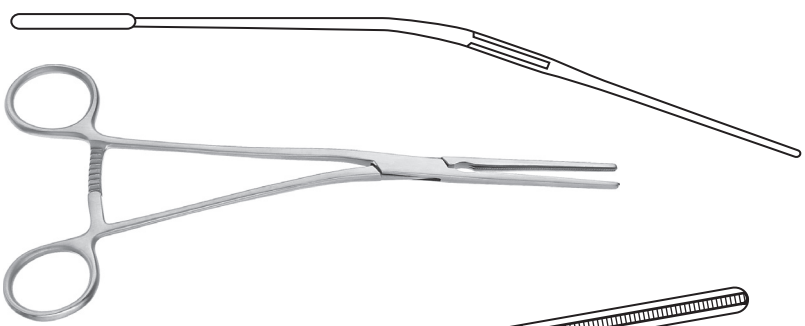


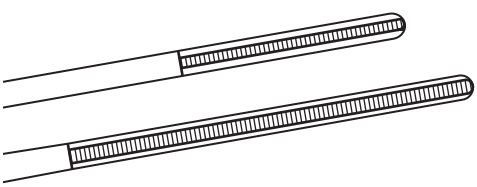
142-081-21 20,5 cm; 1/8"

142-081-22 22,0 cm; 8 5/8"

POTTS

ATRAUMA





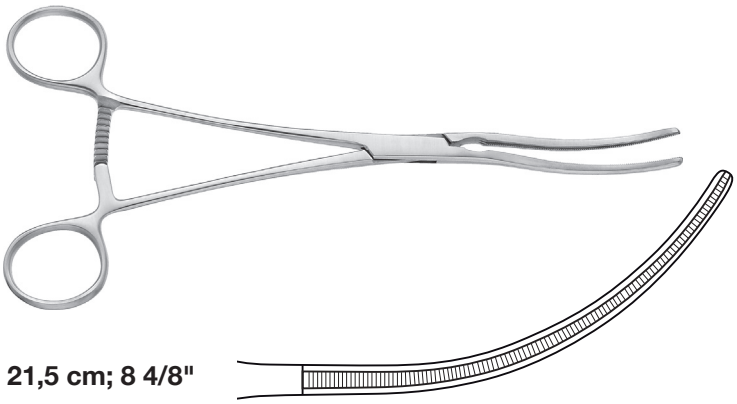
142-083-21 20,5 cm; 8"

142-083-22 22,0 cm; 8 6/8"

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

POTTS

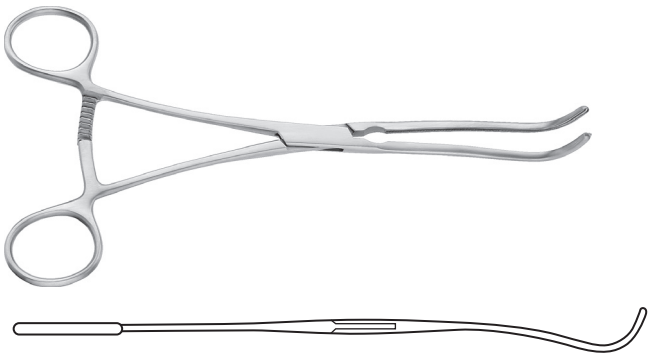
ATRAUMA



142-085-22	**21,5 cm; 8 4/8"**	
142-087-22	**22,0 cm; 8 5/8"**	

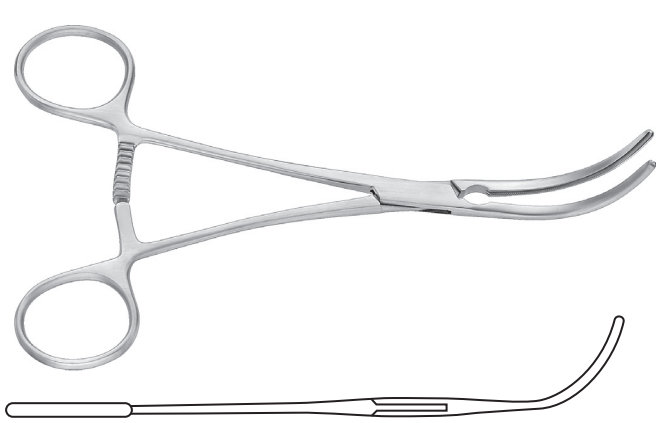
DE BAKEY **Präparier- und Ligaturklemme**
Dissecting and Ligature Forceps
Pinza para preparaciones y ligaduras
Pince à disséquer et à ligatures
Pinza per preparazioni e legature

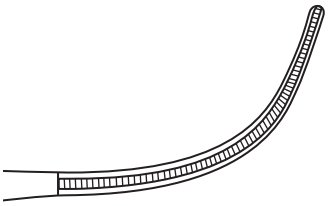
ATRAUMA



142-089-19	**19,0 cm; 7 4/8"**	
142-089-23	**24,0 cm; 9 4/8"**	

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
142-100-16	**DE BAKEY**	**16,0 cm; 6 2/8"**	ATRAUMA

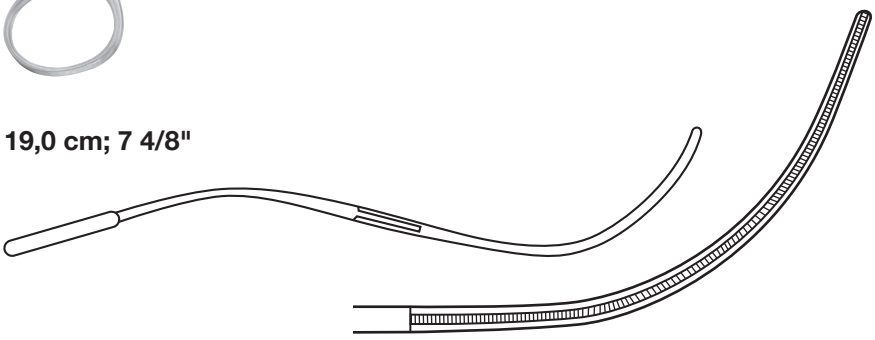




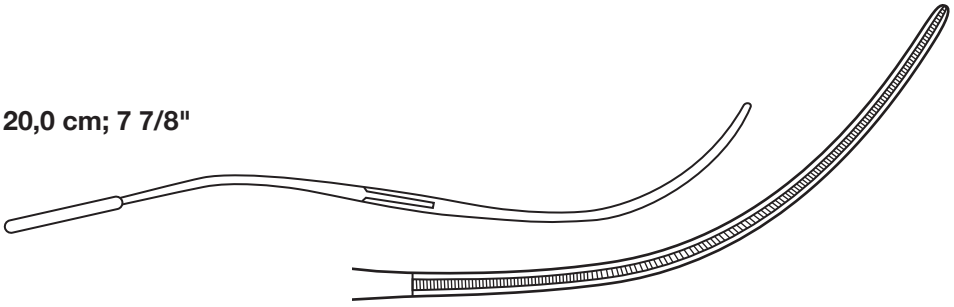
	DE BAKEY		ATRAUMA



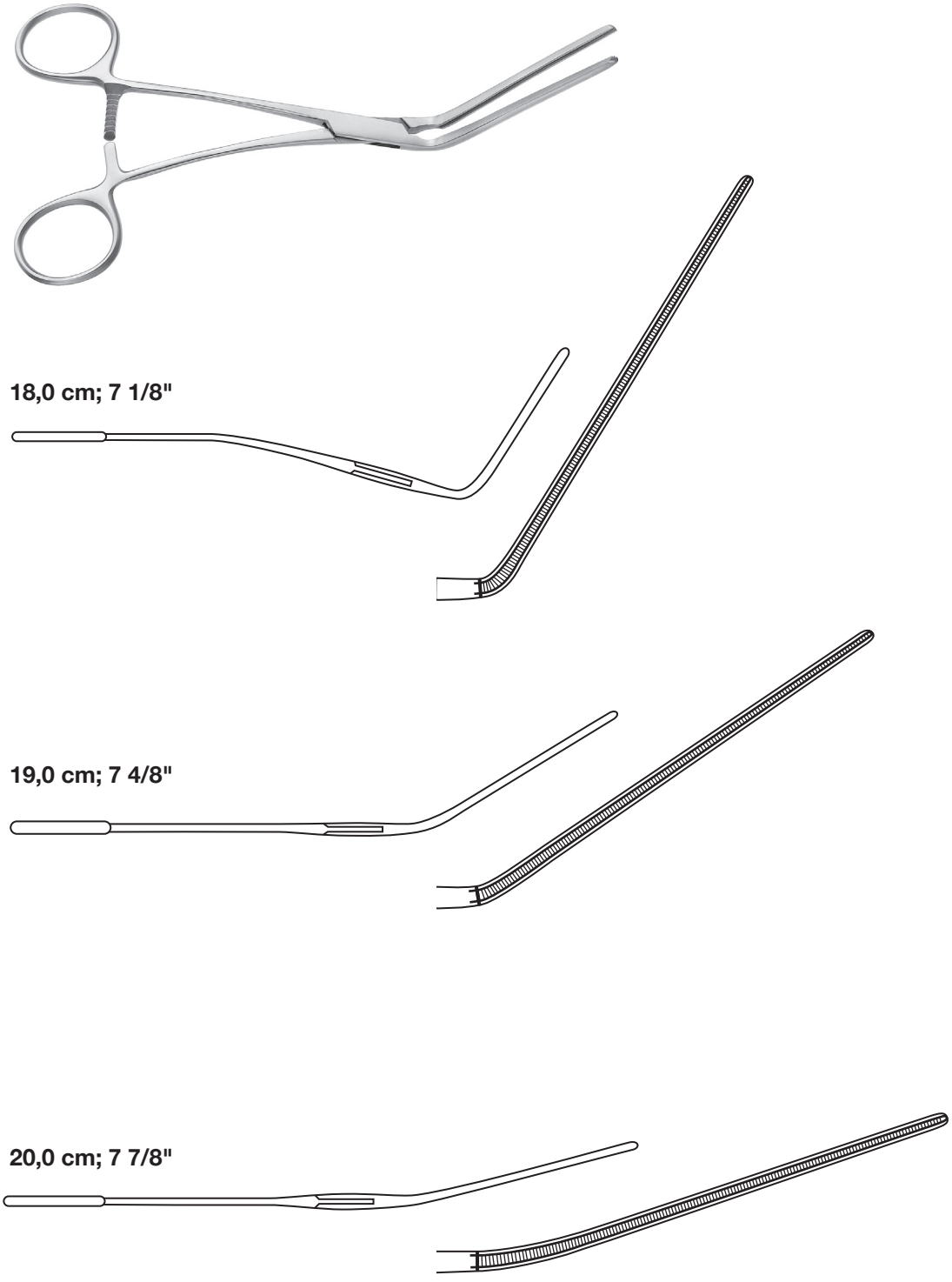
142-102-19	**19,0 cm; 7 4/8"**		



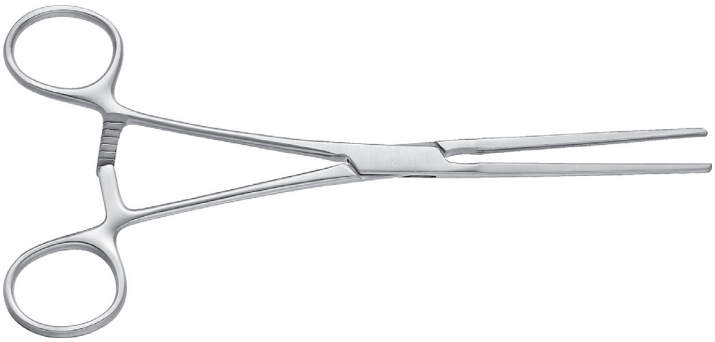
142-102-20	**20,0 cm; 7 7/8"**		



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	LELAND-JONES		ATRAUMA
142-105-18	**18,0 cm; 7 1/8"**		
142-105-19	**19,0 cm; 7 4/8"**		
142-105-20	**20,0 cm; 7 7/8"**		



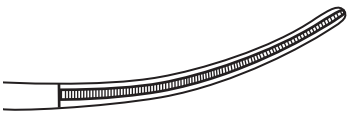
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	BAINBRIDGE		ATRAUMA



142-110-15	**15,0 cm; 5 7/8"**		
142-110-18	**18,5 cm; 7 2/8"**		



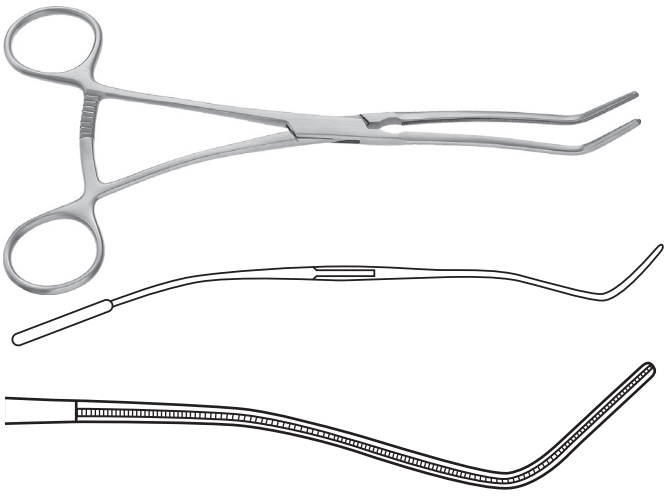
142-111-15	**15,0 cm; 5 7/8"**		



142-111-18	**18,5 cm; 7 2/8"**		

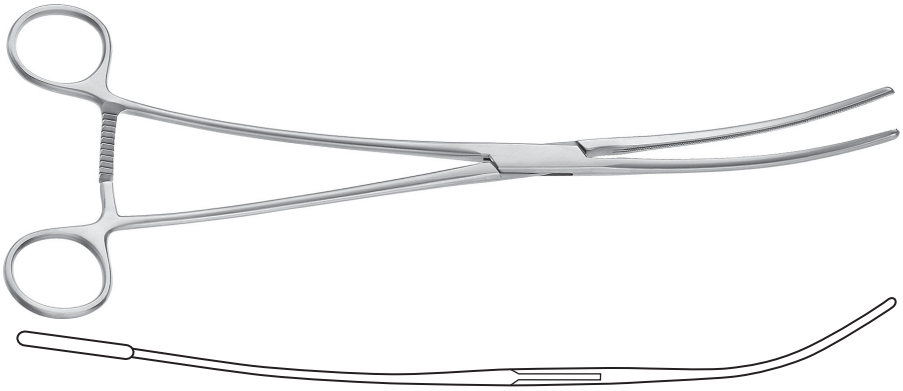


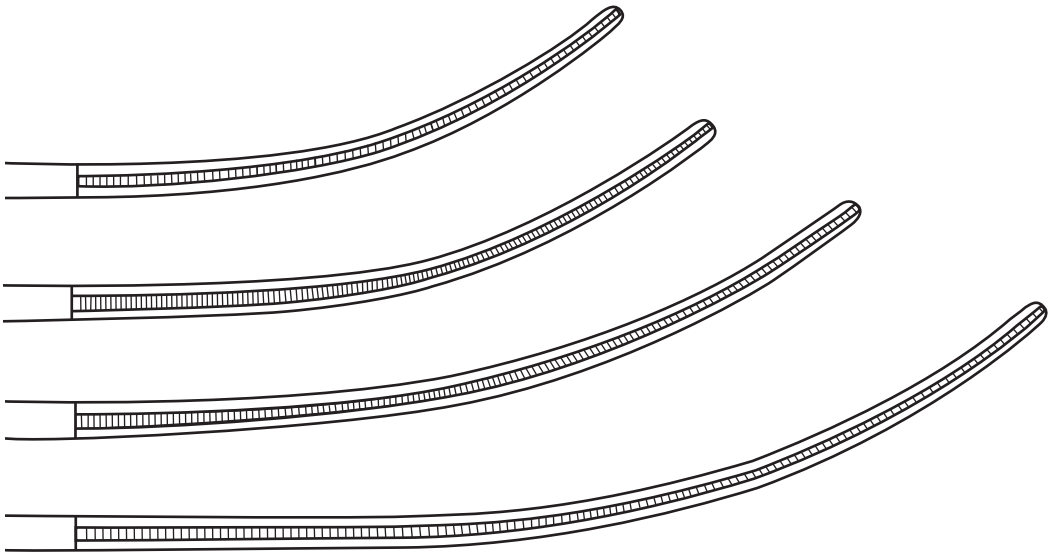
142-115-20	**DE BAKEY**	**20,0 cm; 7 7/8"**	ATRAUMA



Aorta-Aneurysmaklemmen
Aortic Aneurysm Clamps
Pinzas para aneurisma de aórtica
Pinces-clamps pour anévrisme de l'aorte
Pinze per aneurisma della aorta

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	DE BAKEY		ATRAUMA





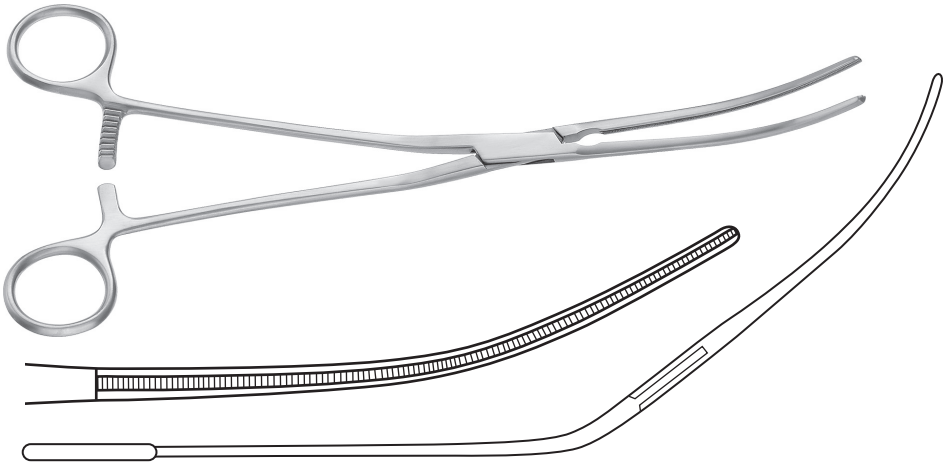
142-140-26
26,0 cm; 10 2/8"

142-140-27
27,0 cm; 10 5/8"

142-140-31
31,0 cm; 12 2/8"

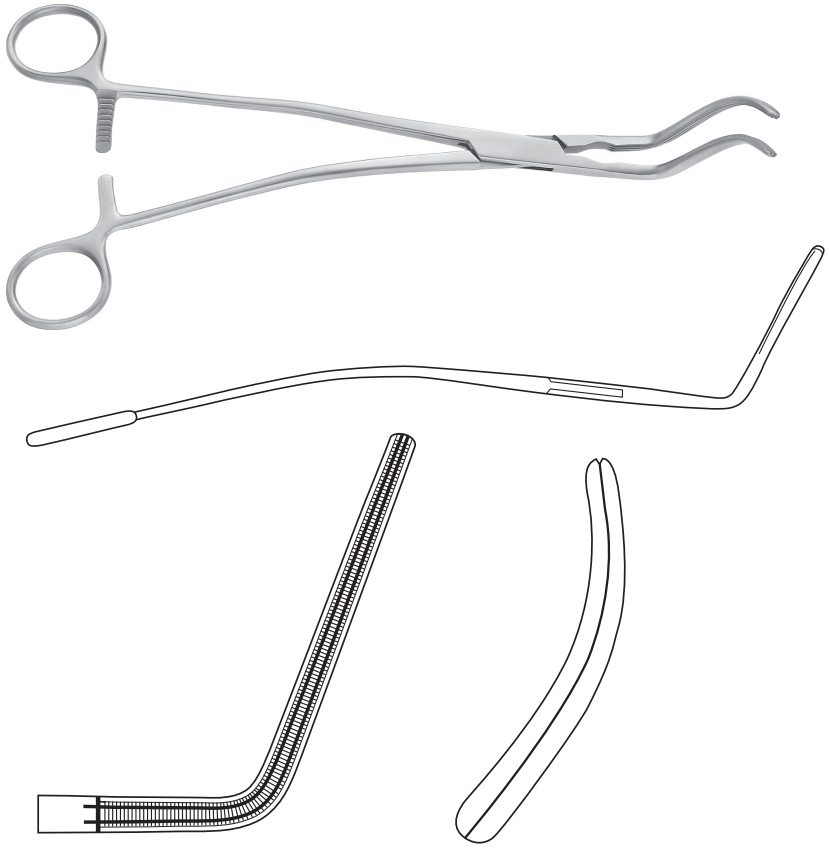
142-140-33
33,0 cm; 13"

142-145-28	**DE BAKEY**	**28,0 cm; 11"**	ATRAUMA



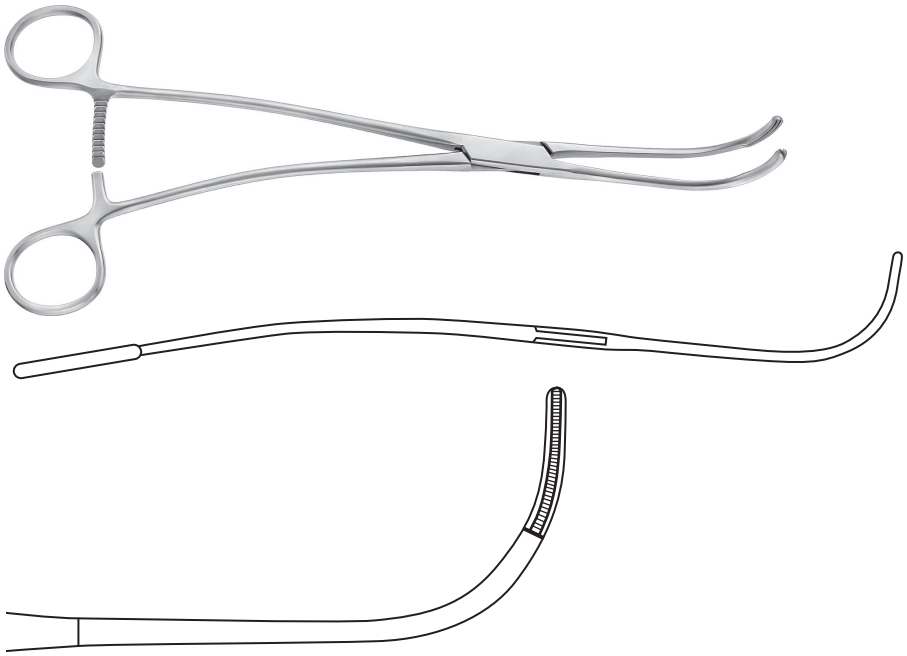
Ligaturklemmen; Aortaklemmen
Ligature Forceps; Aortic Clamps
Pinzas para ligaduras; Pinzas aórticas
Pinces à ligatures; Pinces-clamps pour aorte
Pinze per legature; Pinze per aorta

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
142-150-27	DE BAKEY	27,0 cm; 10 5/8"	ATRAUMA

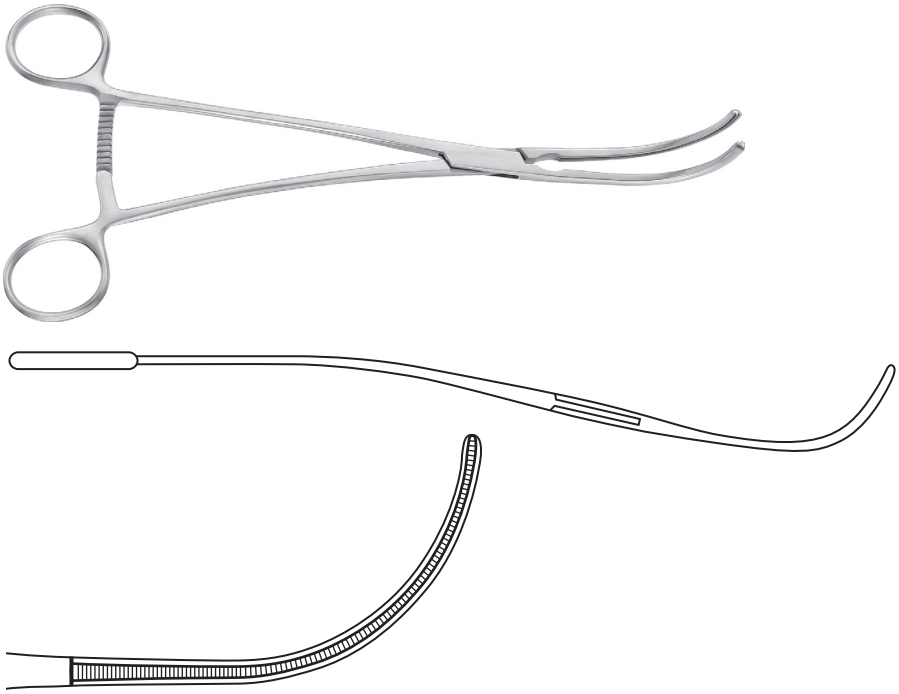


Ligaturklemmen; Aortaklemmen
Ligature Forceps; Aortic Clamps
Pinzas para ligaduras; Pinzas aórticas
Pinces à ligatures; Pinces-clamps pour aorte
Pinze per legature; Pinze per aorta

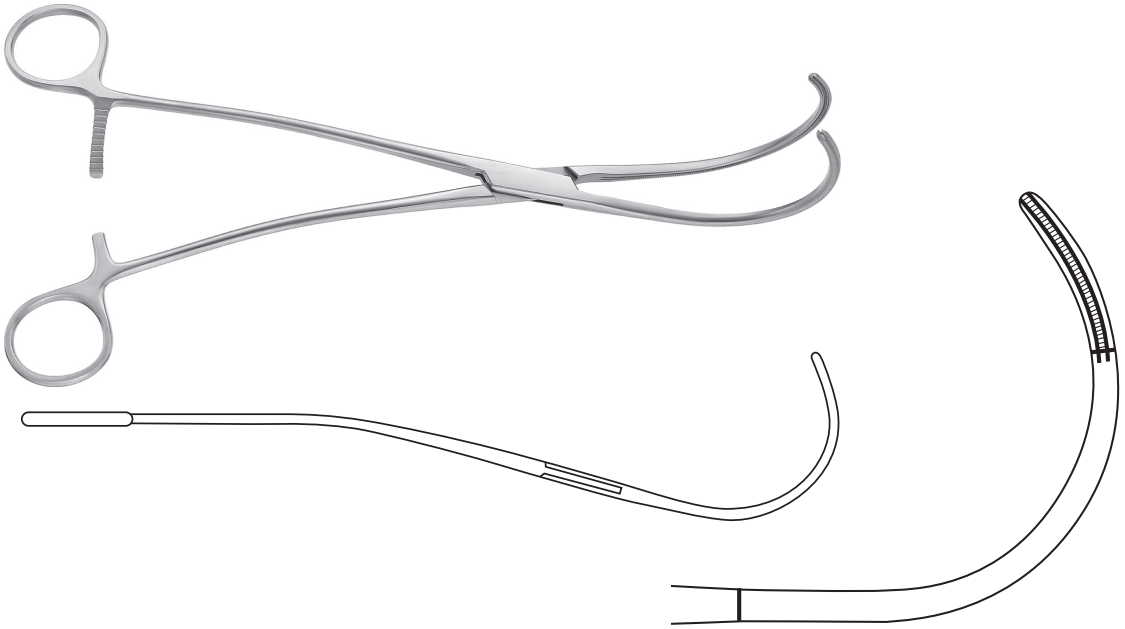
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
142-155-24	DE BAKEY	24,5 cm; 9 5/8"	ATRAUMA



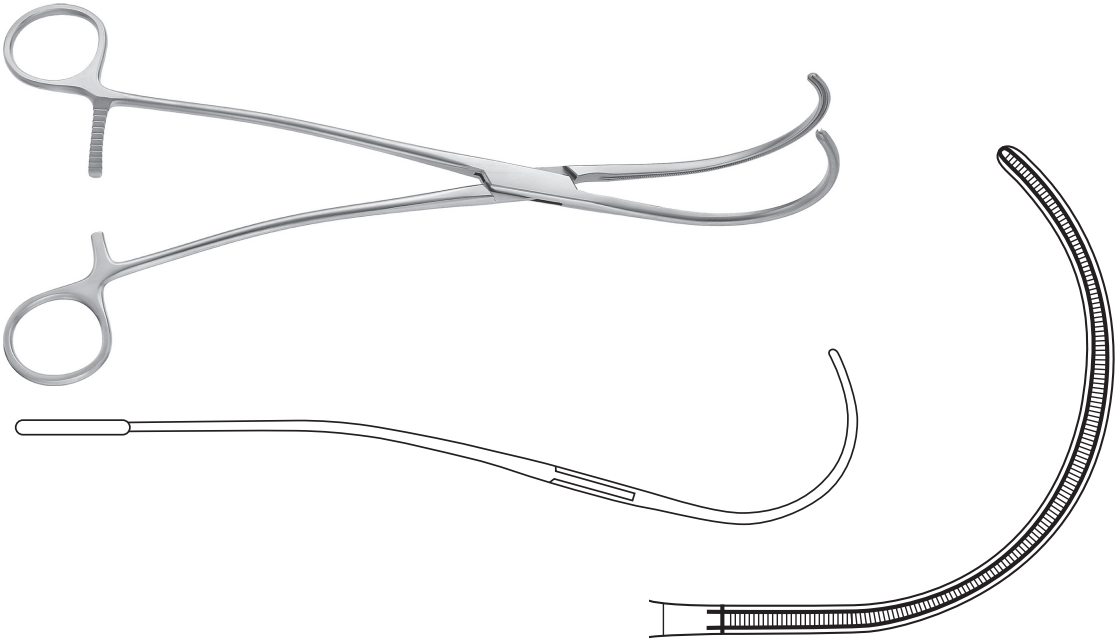
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
142-156-24	DE BAKEY	24,5 cm; 9 5/8"	ATRAUMA



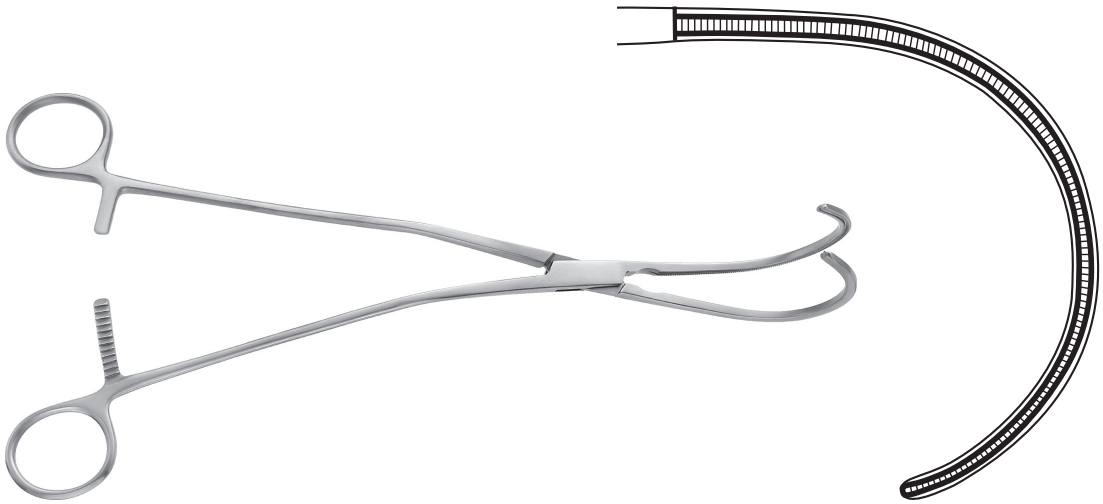
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
142-157-27	DE BAKEY	27,0 cm; 10 5/8"	ATRAUMA



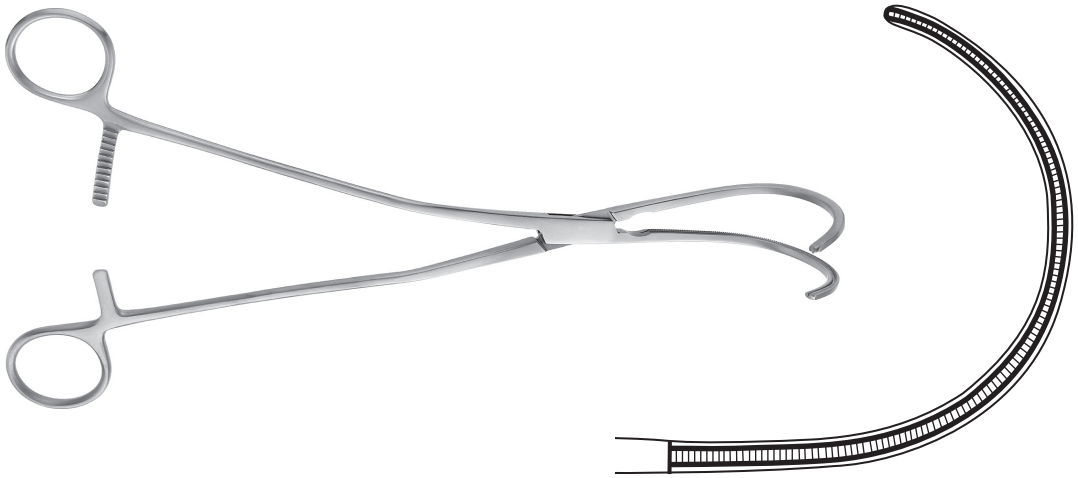
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
142-158-27	DE BAKEY	27,0 cm; 10 5/8"	ATRAUMA



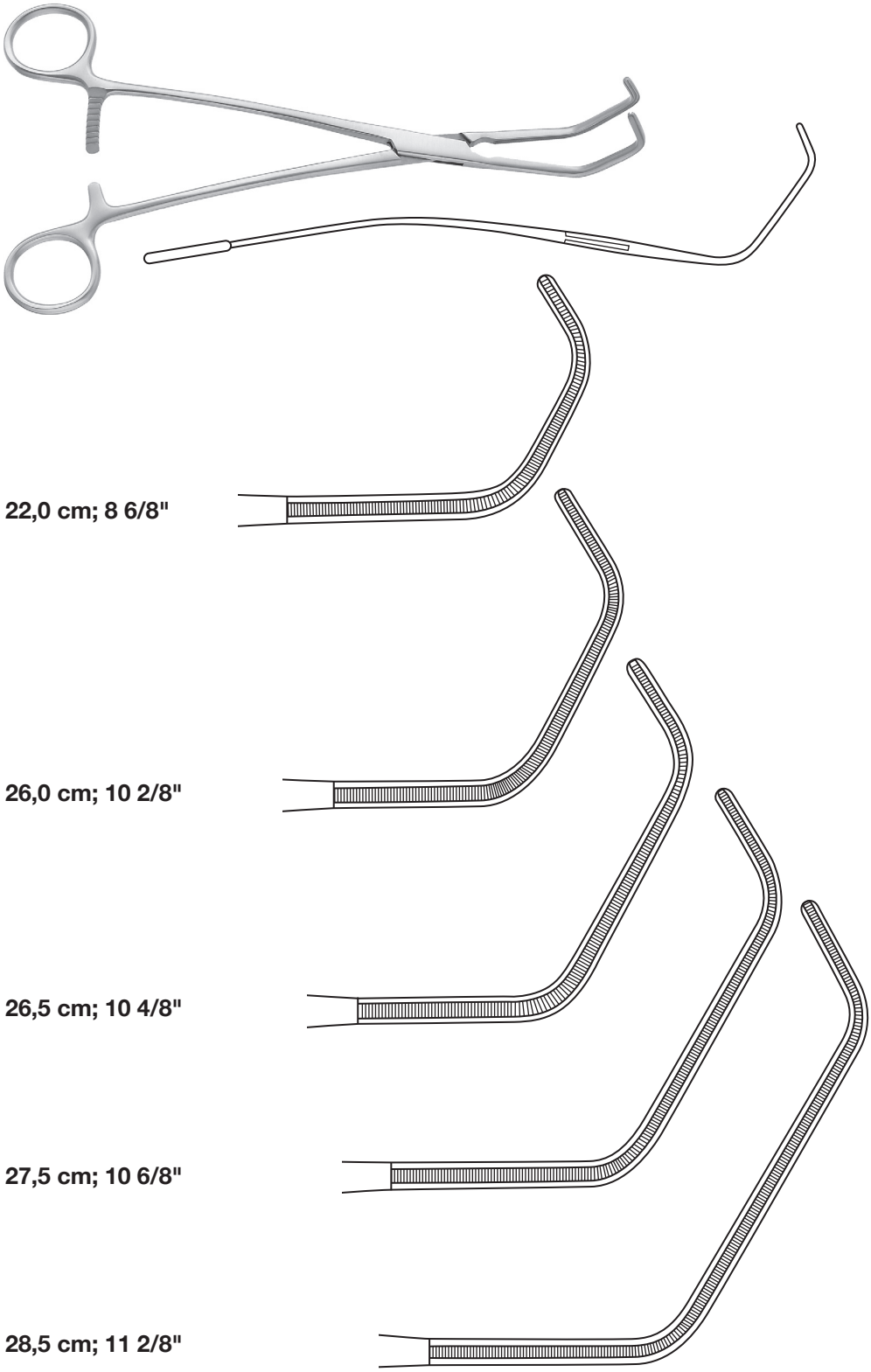
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
142-201-01	WEBER	24,0 cm; 9 4/8"	ATRAUMA



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
142-201-02	WEBER	24,0 cm; 9 4/8"	ATRAUMA

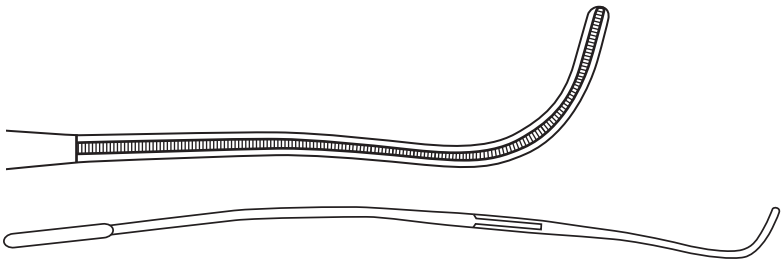


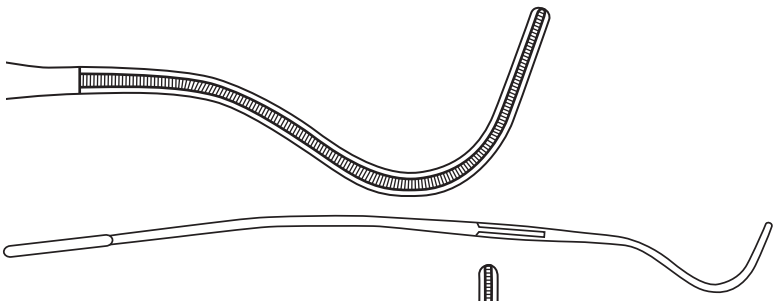
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	SATINSKY		ATRAUMA
142-210-20	22,0 cm; 8 6/8"		
142-210-24	26,0 cm; 10 2/8"		
142-210-25	26,5 cm; 10 4/8"		
142-210-26	27,5 cm; 10 6/8"		
142-210-27	28,5 cm; 11 2/8"		

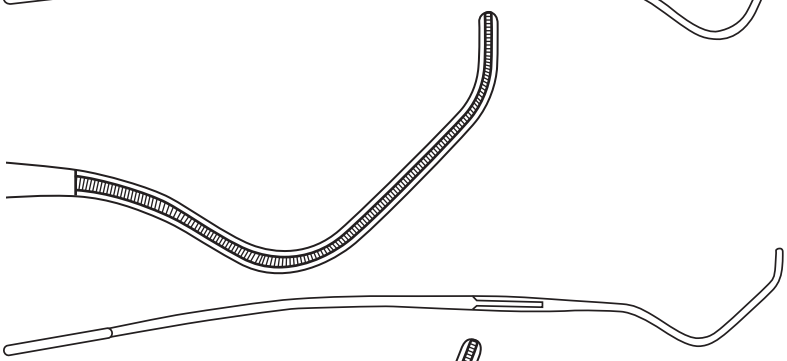


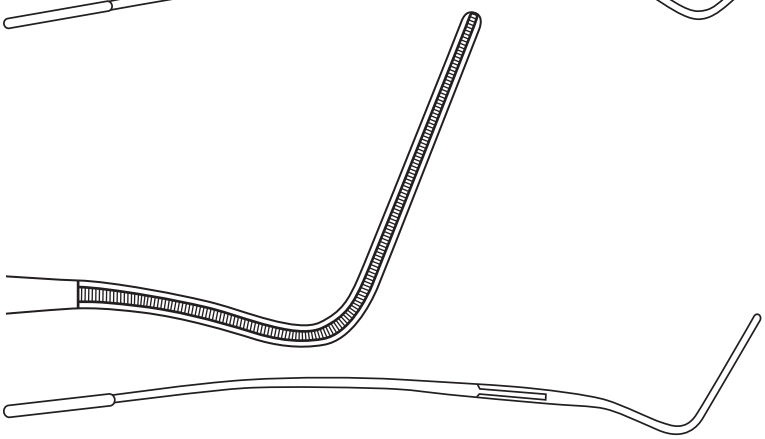
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	HARKEN		ATRAUMA
142-220-01	**24,5 cm; 9 6/8"**		
142-220-02	**24,0 cm; 9 4/8"**		
142-220-03	**23,0 cm; 9"**		
142-220-04	**23,5 cm; 9 2/8"**		



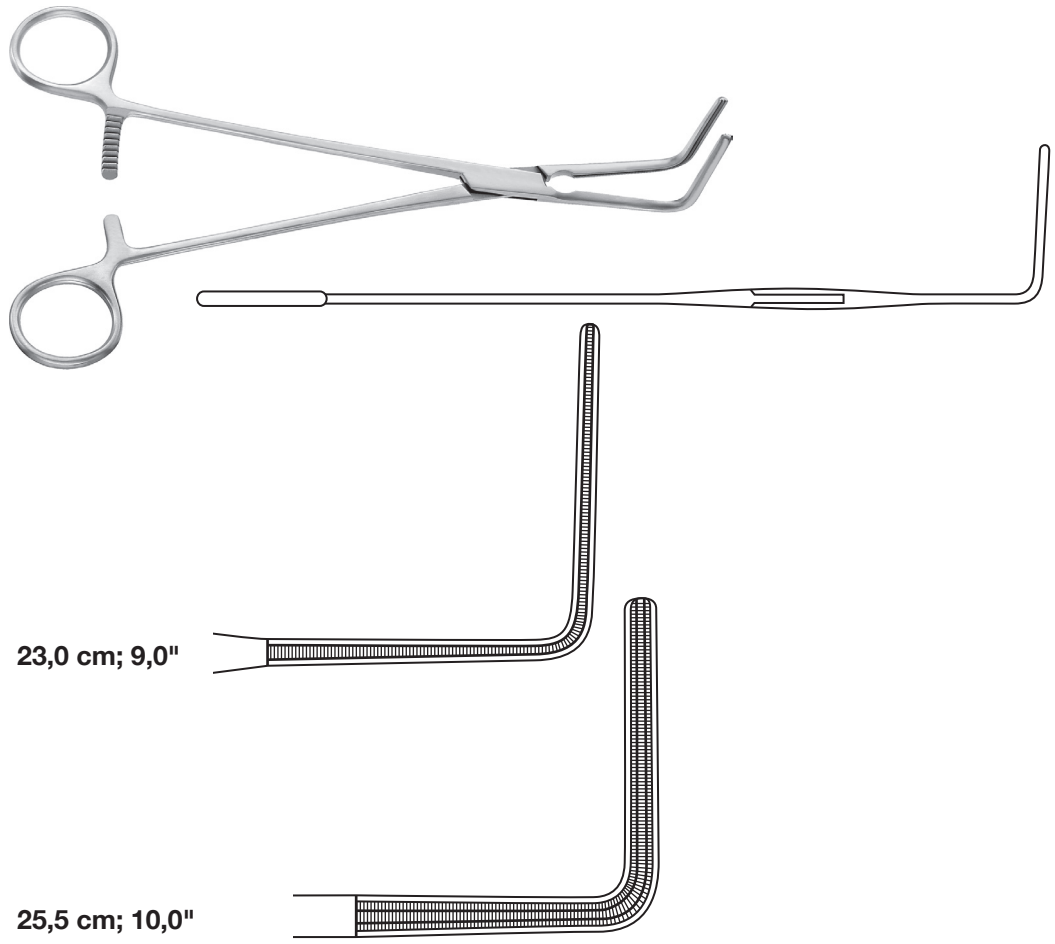


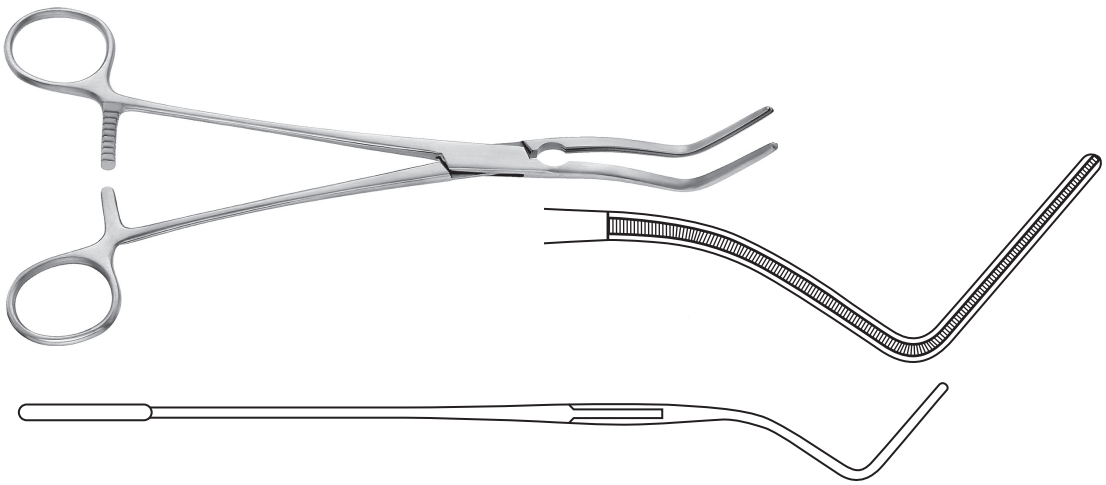






Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	LEES		ATRAUMA
142-225-23	**23,0 cm; 9,0"**		
142-225-25	**25,5 cm; 10,0"**		
142-227-25	**LEES**	**26,0 cm; 10 2/8"**	ATRAUMA

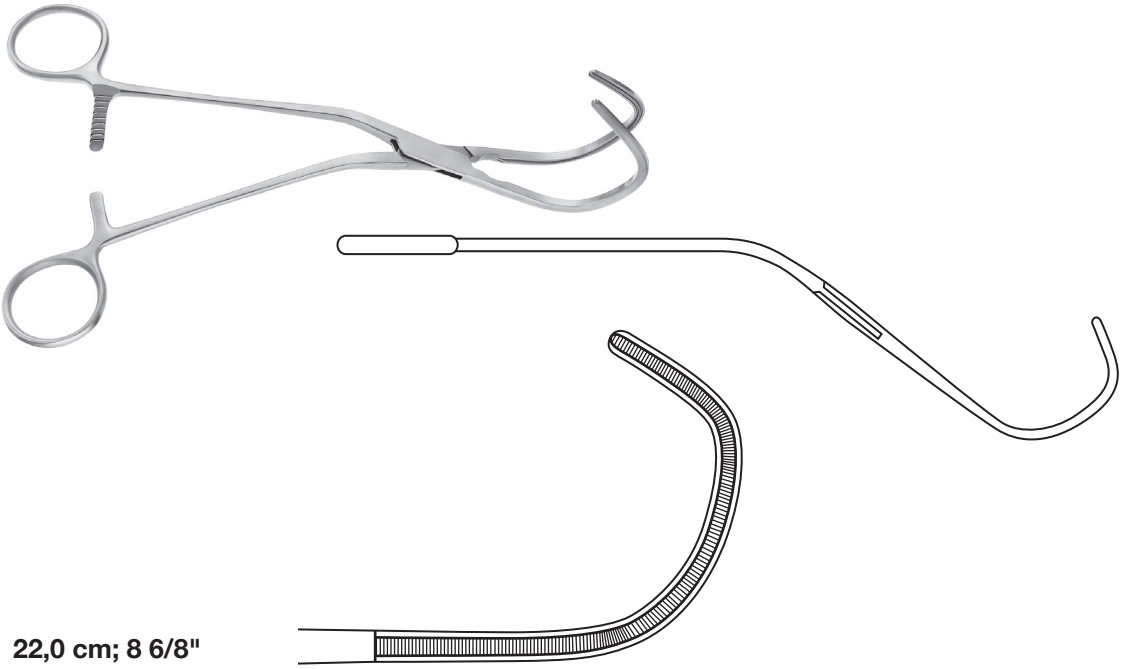




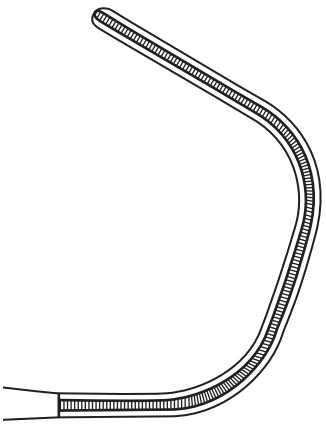
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

LAMBERT-KAY

ATRAUMA

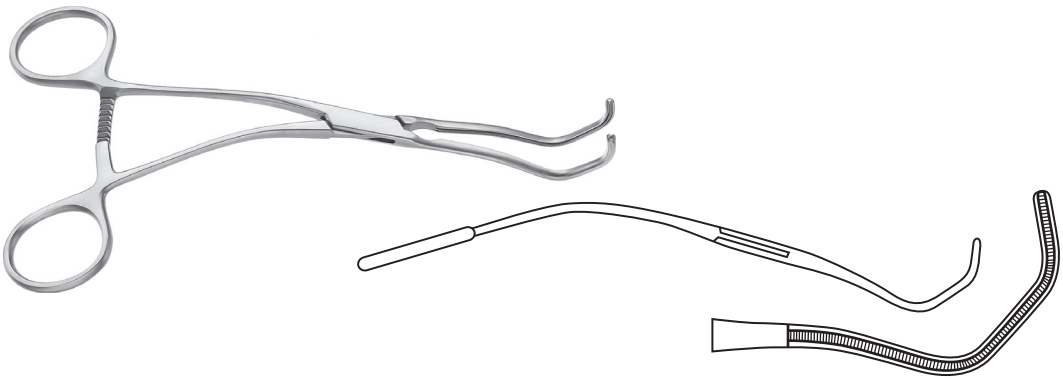


142-230-02	**22,0 cm; 8 6/8"**	

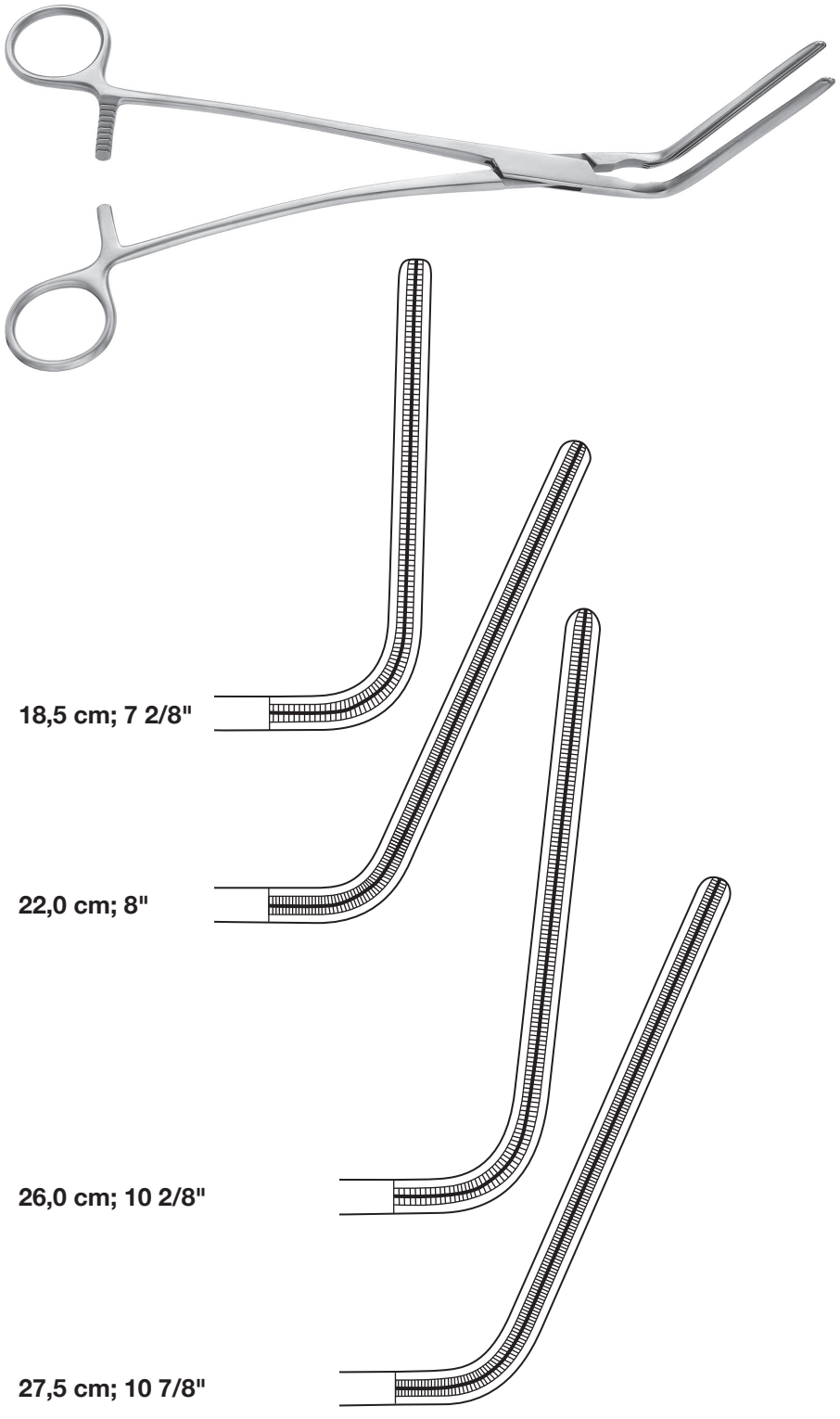


142-230-01	**20,5 cm; 8 1/8"**	

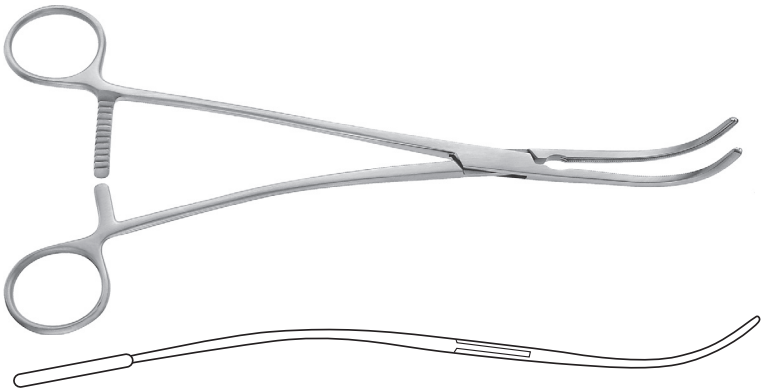
142-235-17	**DE BAKEY**	**16,5 cm; 6 4/8"**	ATRAUMA

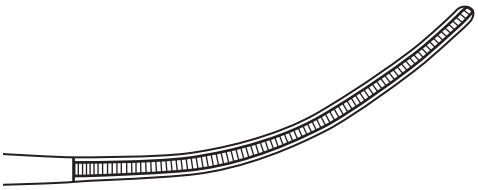
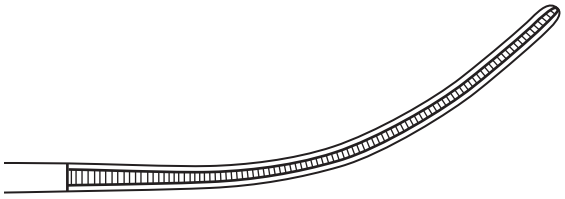


Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	MORRIS-DE BAKEY		ATRAUMA
142-240-18	**18,5 cm; 7 2/8"**		
142-240-20	**22,0 cm; 8"**		
142-240-23	**26,0 cm; 10 2/8"**		
142-240-25	**27,5 cm; 10 7/8"**		



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	DE BAKEY-BAHNSON		ATRAUMA



142-250-24	**24,5 cm; 9 5/8"**	
142-250-25	**25,5 cm; 10"**	

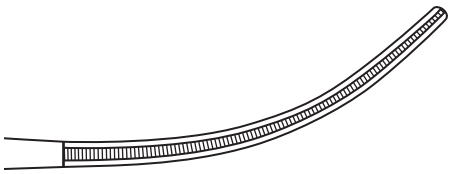
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	POTTS		ATRAUMA

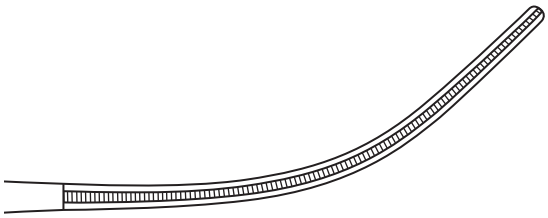


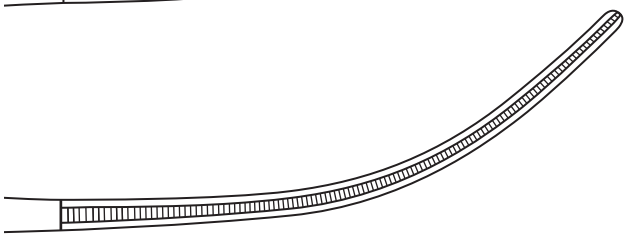
142-280-21	**21,5 cm; 8 4/8"**	
142-280-23	**23,5 cm; 9 2/8"**	
142-280-27	**27,0 cm; 10 5/8"**	
142-280-31	**31,5 cm; 12 3/8"**	

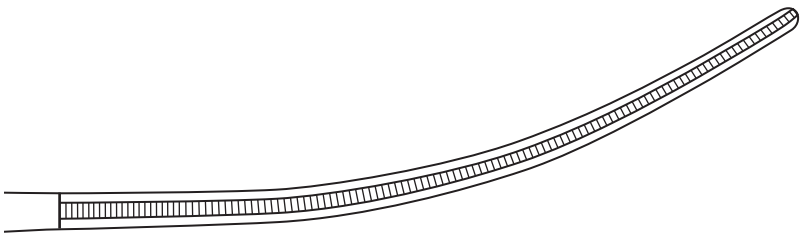
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	POTTS		ATRAUMA
142-281-21	**21,0 cm; 8 2/8"**		
142-281-23	**23,0 cm; 9,0"**		
142-281-27	**26,0 cm; 10 2/8"**		
142-281-31	**31,0 cm; 12 2/8"**		







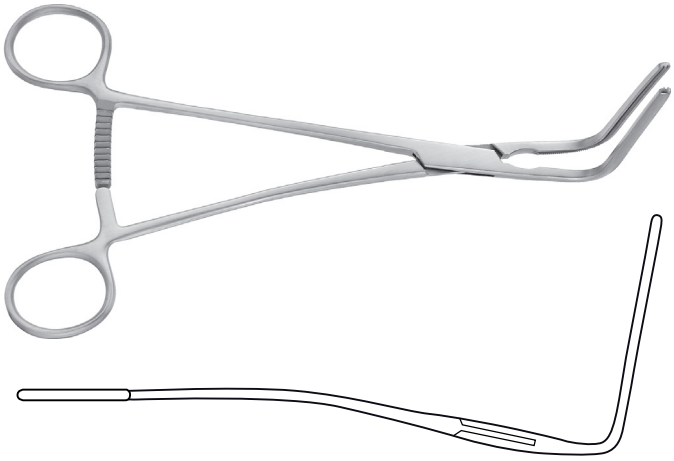


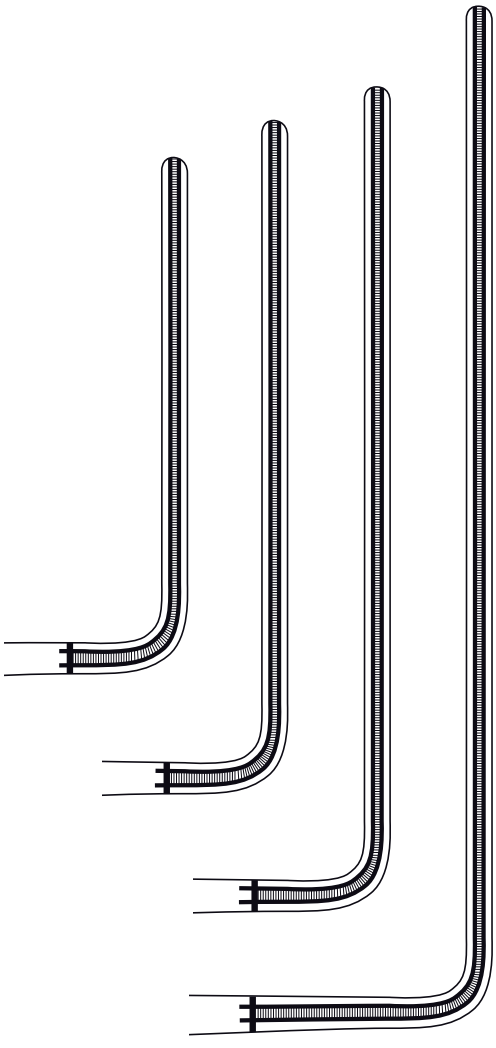


Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

DE BAKEY

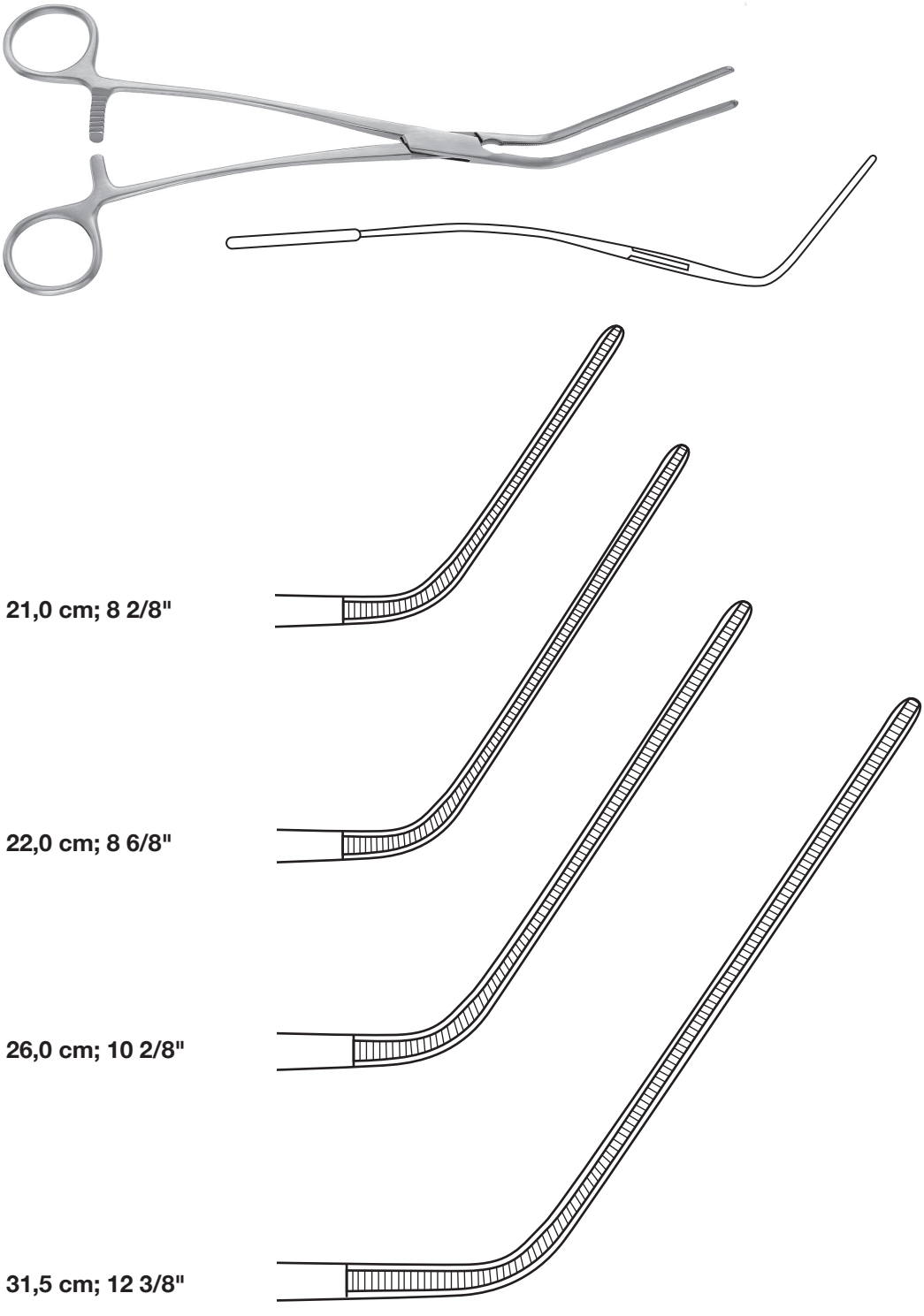
ATRAUMA





142-282-18	19,0 cm; 7 4/8"	
142-282-19	20,0 cm; 7 7/8"	
142-282-23	23,0 cm; 9,0"	
142-282-27	27,0 cm; 10 5/8"	

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	DE BAKEY		ATRAUMA
142-283-20	**21,0 cm; 8 2/8"**		
142-283-21	**22,0 cm; 8 6/8"**		
142-283-25	**26,0 cm; 10 2/8"**		
142-283-29	**31,5 cm; 12 3/8"**		



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	DE BAKEY-MOSQUITO	**12,5 cm; 4 7/8"**	ATRAUMA



142-310-12

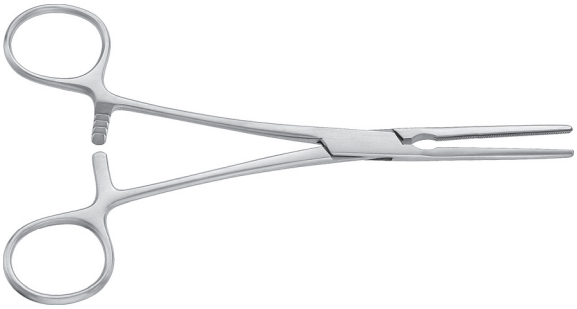


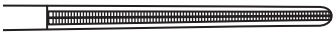
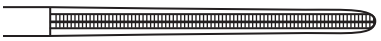
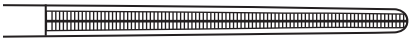
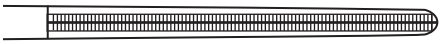
142-311-12



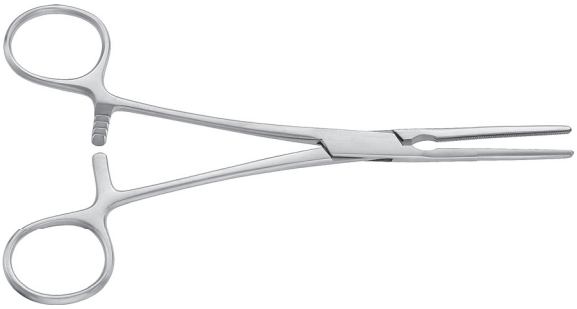
DE BAKEY-PEAN

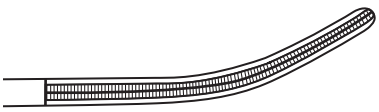
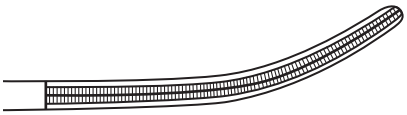
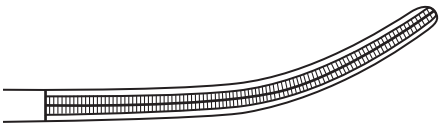
ATRAUMA



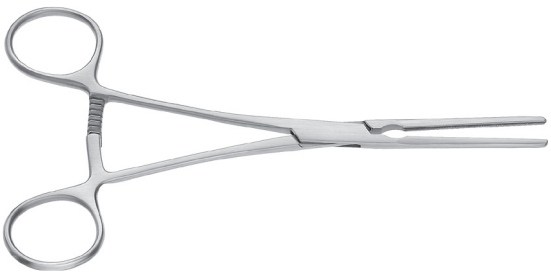
142-314-14	**14,5 cm; 5 6/8"**	
142-314-16	**16,5 cm; 6 4/8"**	
142-314-18	**18,5 cm; 7 2/8"**	
142-314-20	**20,5 cm; 8 1/8"**	

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	DE BAKEY-PEAN		ATRAUMA



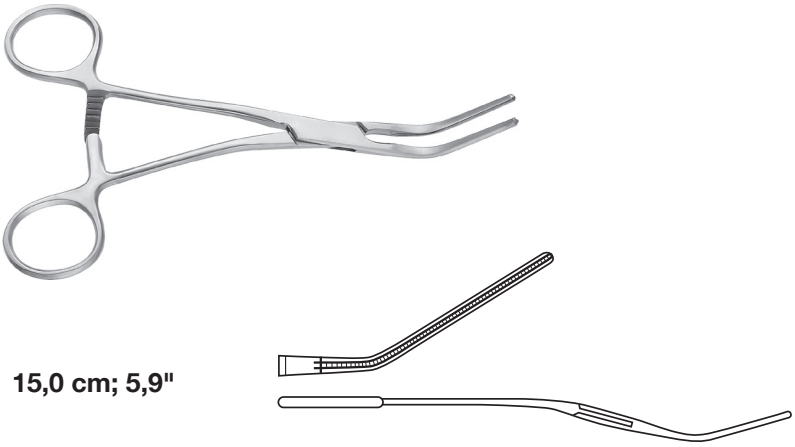
142-315-14	**14,5 cm; 5 6/8"**	
142-315-16	**16,5 cm; 6 4/8"**	
142-315-18	**18,5 cm; 7 2/8"**	
142-315-20	**20,0 cm; 7 7/8"**	

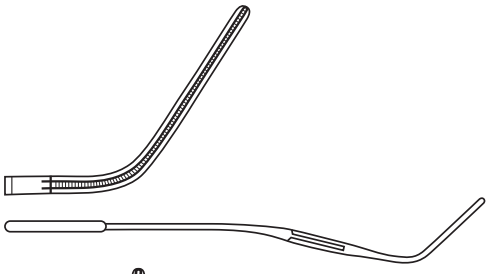
142-320-17	**DE BAKEY**	**17,5 cm; 6 7/8"**	ATRAUMA

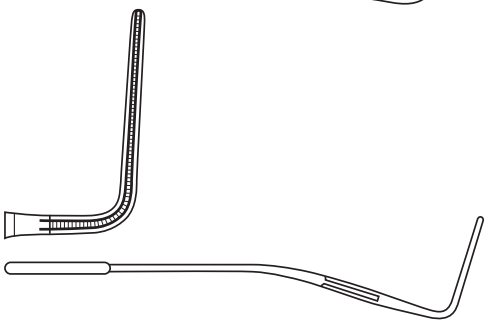


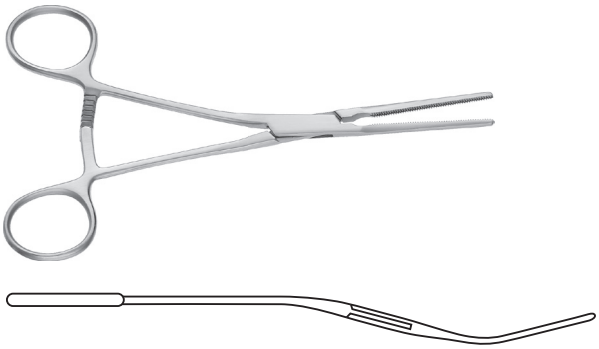


Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	DE BAKEY		ATRAUMA
142-327-16	**15,0 cm; 5,9"**		
142-323-15	**15,0 cm; 5,9"**		
142-325-15	**15,0 cm, 5,9"**		
142-329-17	**DE BAKEY**	**16,5 cm; 6 4/8"**	ATRAUMA



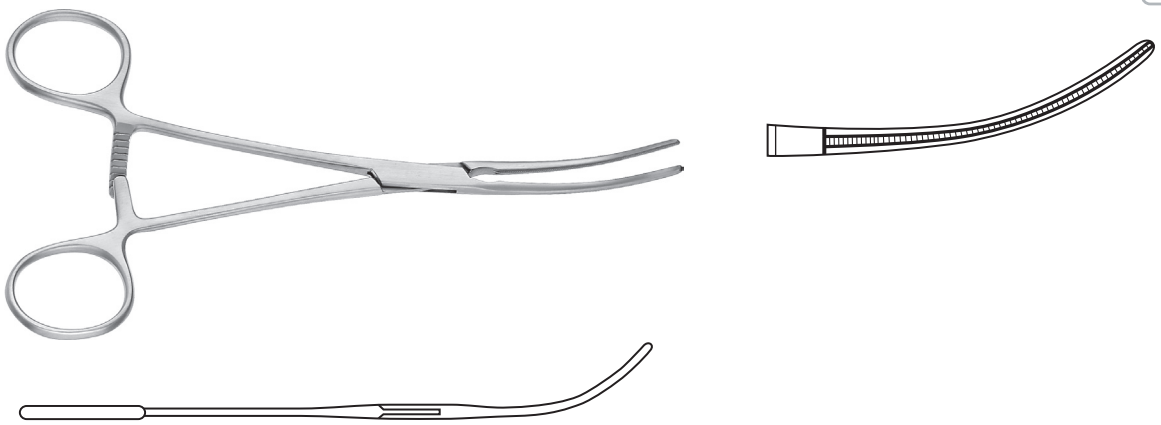




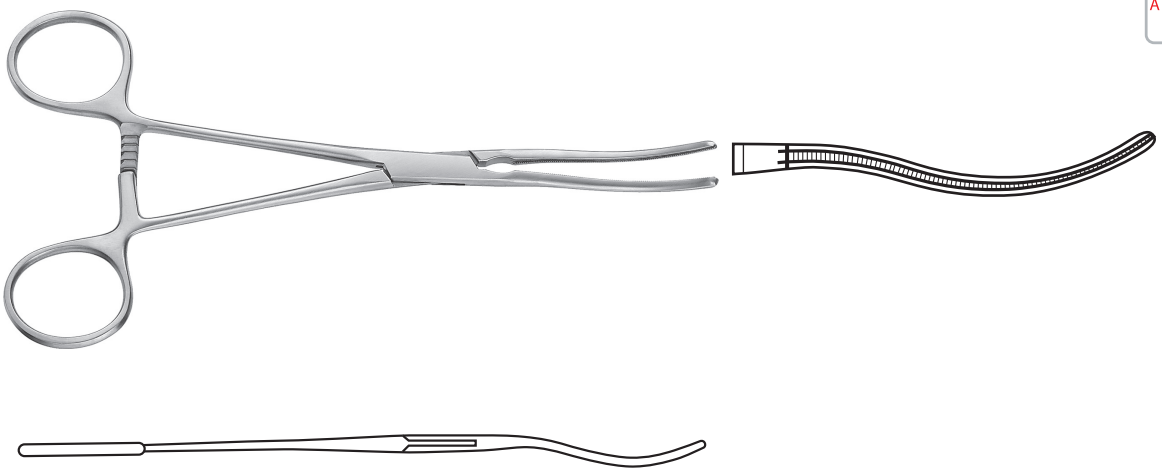




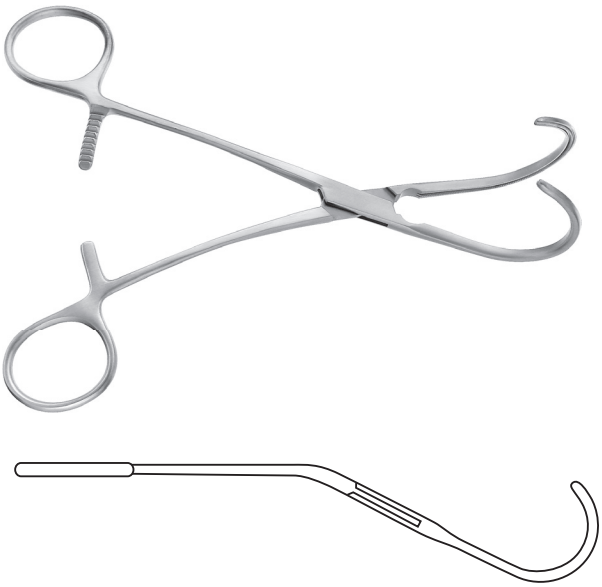
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
142-340-17	GLOVER	17,0 cm; 6 6/8"	ATRAUMA



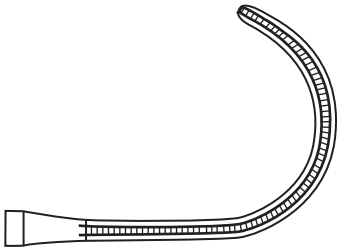
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
142-341-17	GLOVER	17,5 cm; 6 7/8"	ATRAUMA



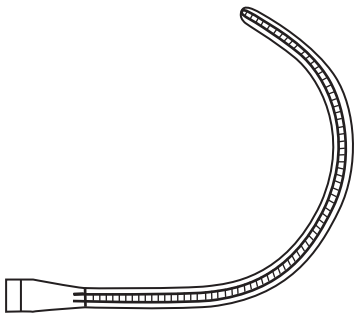
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	DE BAKEY	**16,5 cm; 6 4/8"**	ATRAUMA



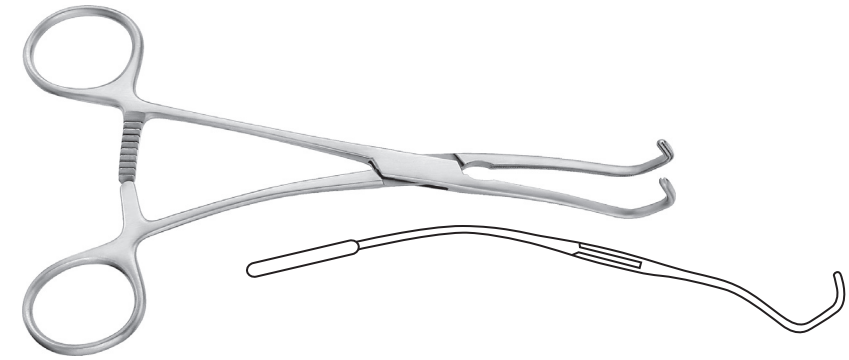
142-345-16

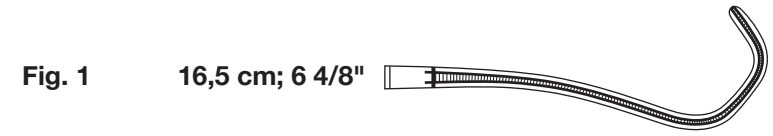


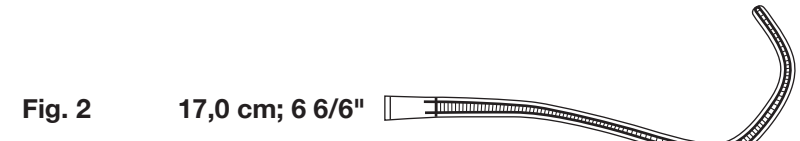
142-345-17

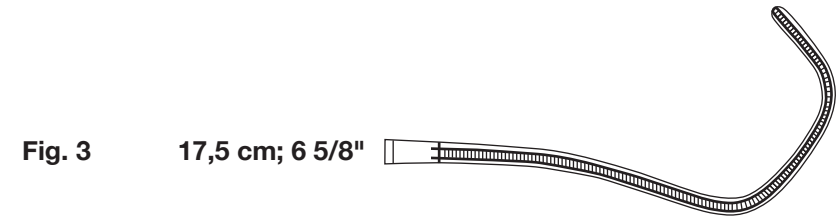


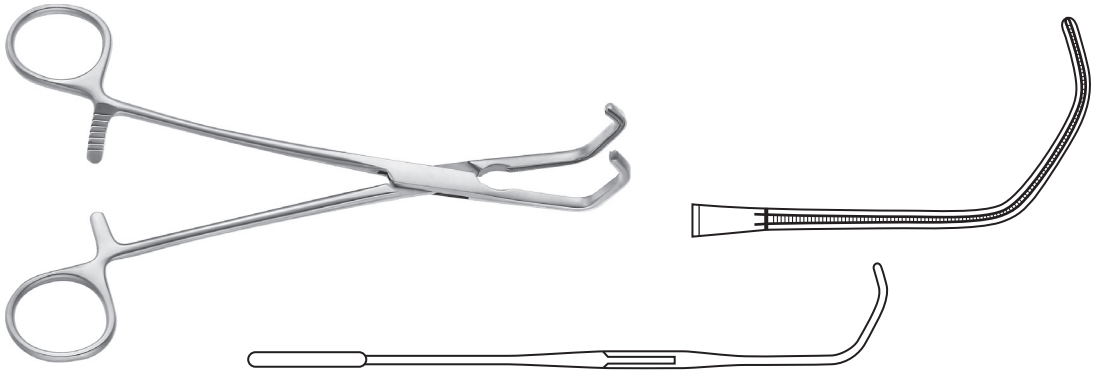
Art.Nr.	Beschreibung | *Description*		*Size*	*Spez.*
	DERRA			ATRAUMA
142-380-16	**Fig. 1**	**16,5 cm; 6 4/8"**		
142-380-17	**Fig. 2**	**17,0 cm; 6 6/6"**		
142-380-18	**Fig. 3**	**17,5 cm; 6 5/8"**		
142-385-17	**DE BAKEY-BECK**		**17,0 cm; 6 6/8"**	ATRAUMA



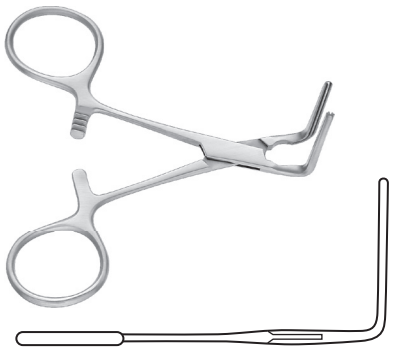


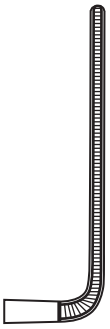






Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
142-501-10	DE BAKEY	10,0 cm; 3 7/8"	ATRAUMA





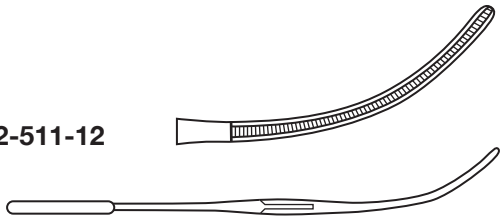
	DE BAKEY	13,0 cm; 5 1/8"	ATRAUMA



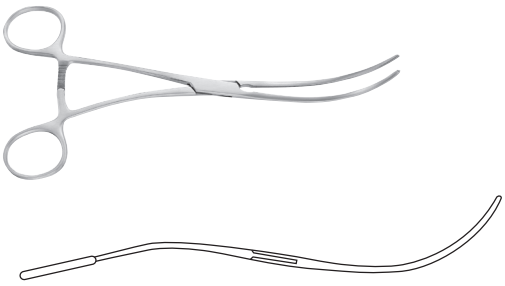
142-510-11

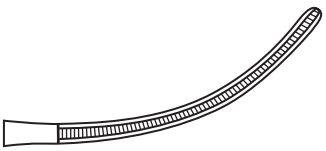


142-511-12

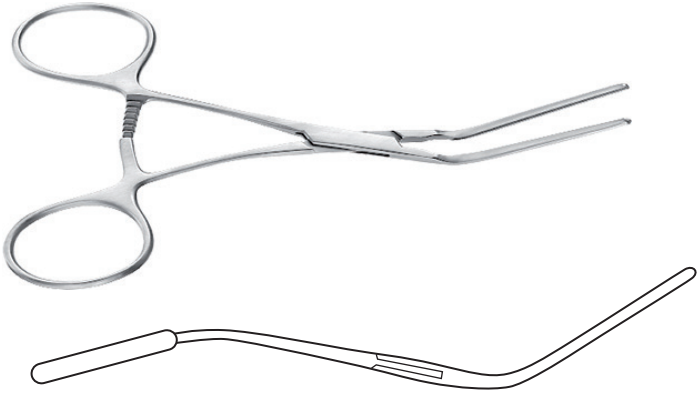


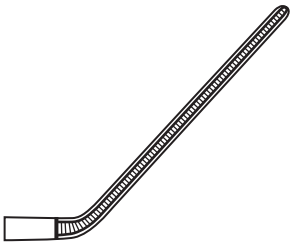
142-513-12	DE BAKEY	12,5 cm; 4 7/8"	ATRAUMA



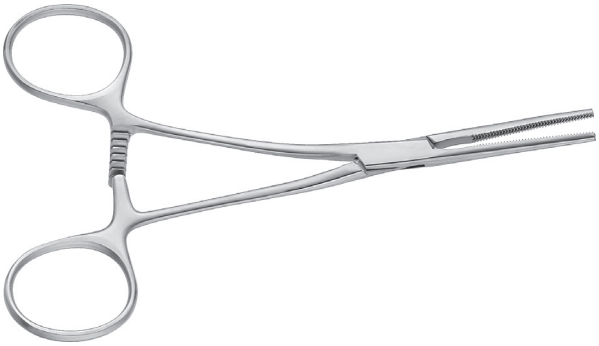


Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
142-515-13	**DE BAKEY**	12,5 cm; 4 7/8"	ATRAUMA



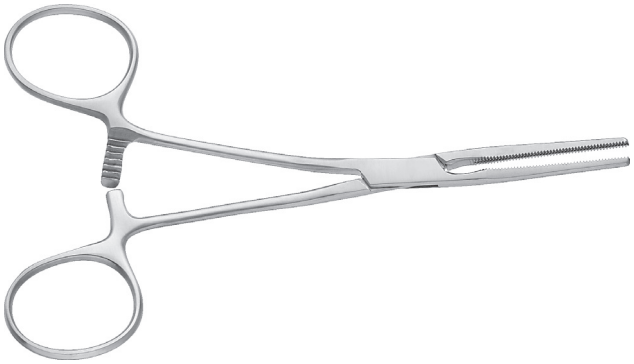


	COOLEY	14,5 cm; 5,6/8"	ATRAUMA



142-520-14		142-521-14	

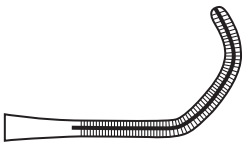
142-523-14	**COOLEY**	14,5 cm; 5 6/8"	ATRAUMA



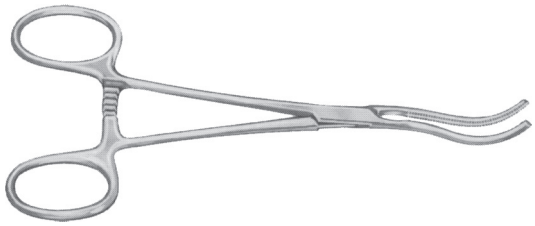


Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
142-555-14	COOLEY	14,0 cm; 5 4/8"	ATRAUMA





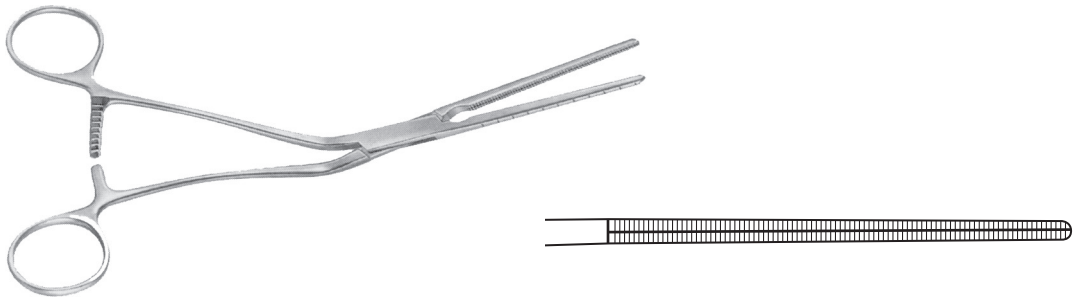
142-557-14	COOLEY	14,5 cm; 5 6/8"	ATRAUMA



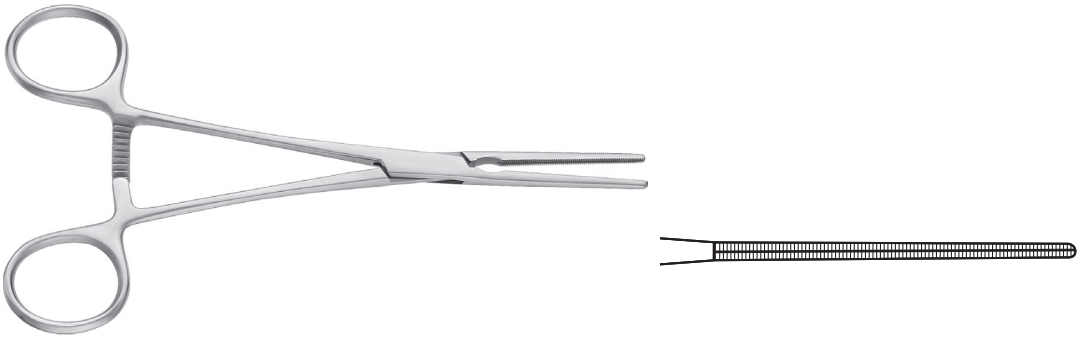


Anastomosenklemmen; Mehrzweck-Gefäßklemmen
Anastomosis Clamps; Multi purpose Clamps
Pinzas para anastomosis; Pinzas de uso universal
Pinces-clamps pour anastomose; Pinces universelles
Pinze per anastomosi; Pinze universali

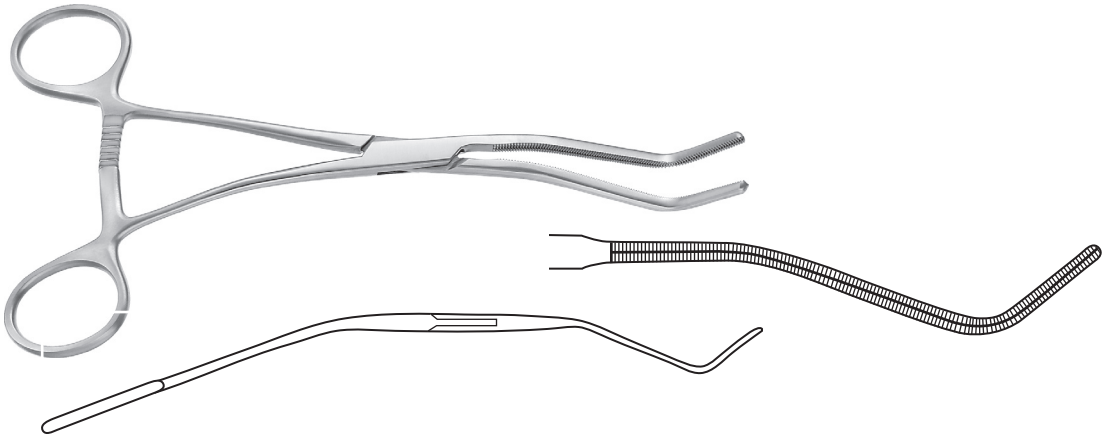
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
142-601-21	**COOLEY** **Iliacaklemme** **Iliac Clamp** Pinza para iliaca Pince-clamps iliaque Pinza iliaca	**22,0 cm; 8 5/8"**	ATRAUMA



142-603-17	**COOLEY**	**17,0 cm; 6 6/8"**	ATRAUMA

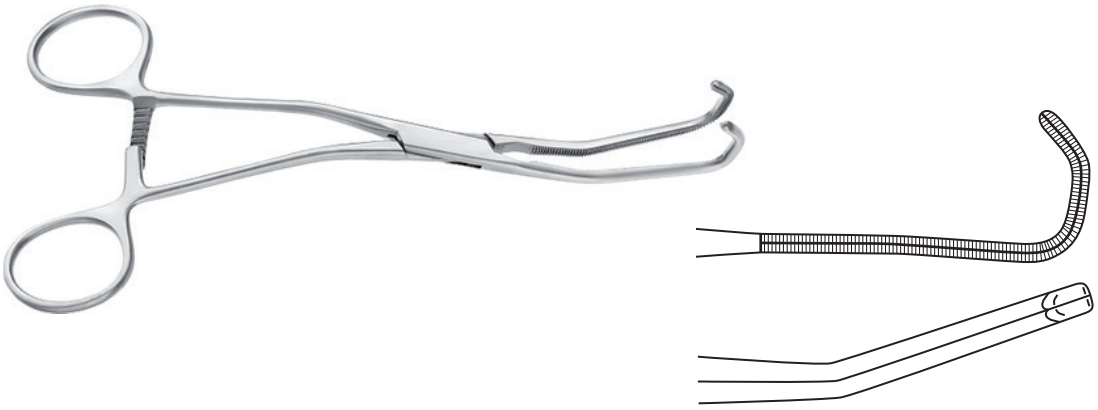


142-605-20	**COOLEY** **Carotisklemme** **Carotid Clamp** Pinza para carótida Pince-clamps pour carotide Pinza per carotis	**20,0 cm; 7 7/8"**	ATRAUMA

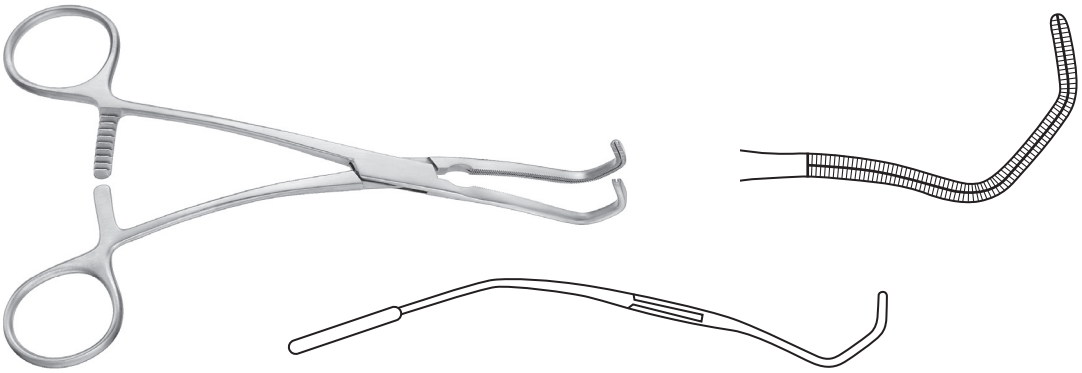


Anastomosenklemmen; Mehrzweck-Gefäßklemmen
Anastomosis Clamps; Multi purpose Clamps
Pinzas para anastomosis; Pinzas de uso universal
Pinces-clamps pour anastomose; Pinces universelles
Pinze per anastomosi; Pinze universali

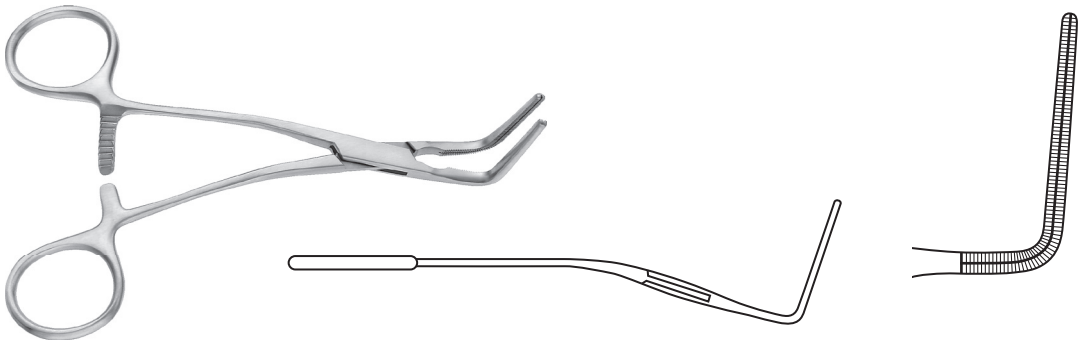
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
142-607-17	COOLEY	17,0 cm; 6 6/8"	ATRAUMA



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
142-609-16	COOLEY	16,0 cm; 6 2/8"	ATRAUMA

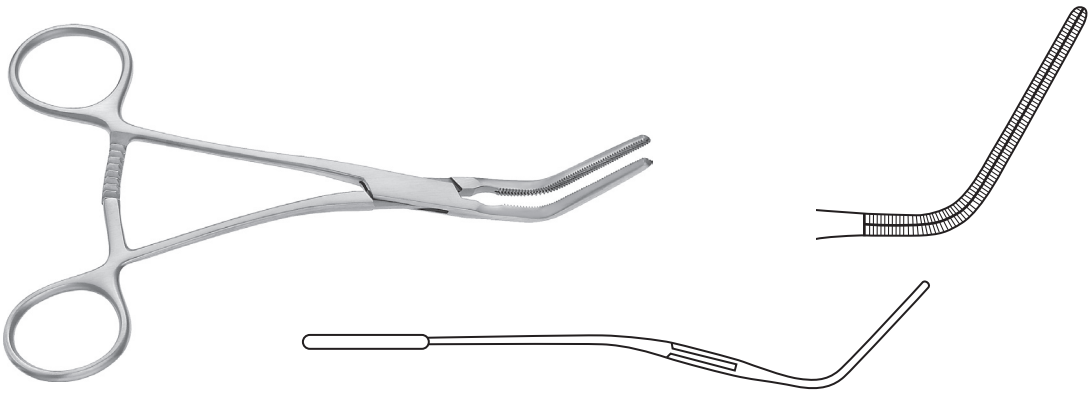


Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
142-610-15	COOLEY	14,5 cm; 5 6/8"	ATRAUMA

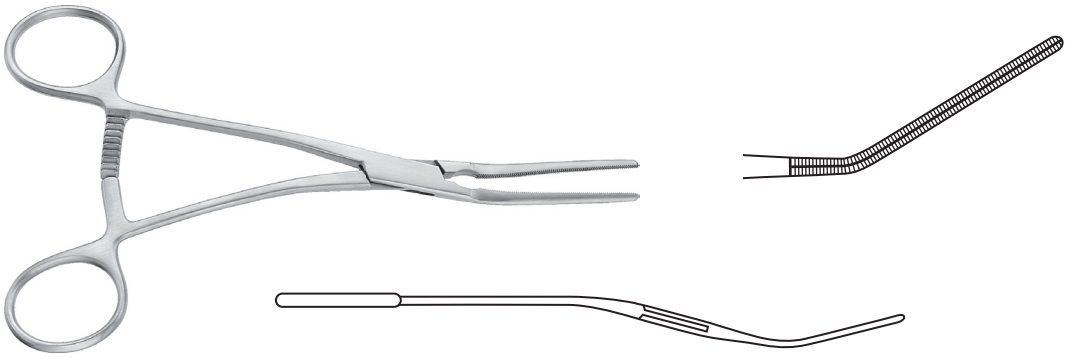


Anastomosenklemmen; Mehrzweck-Gefäßklemmen
Anastomosis Clamps; Multi purpose Clamps
Pinzas para anastomosis; Pinzas de uso universal
Pinces-clamps pour anastomose; Pinces universelles
Pinze per anastomosi; Pinze universali

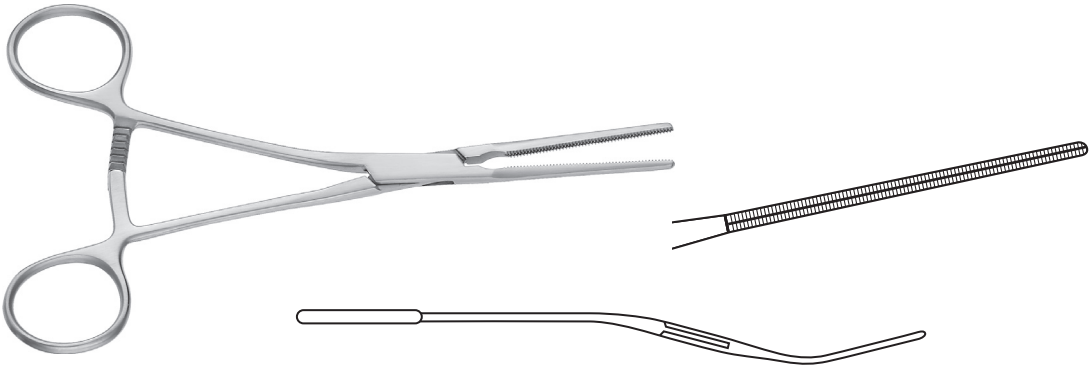
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
142-611-16	COOLEY	16,0 cm; 6 2/8"	ATRAUMA



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
142-612-17	COOLEY	16,5 cm; 6 4/8"	ATRAUMA

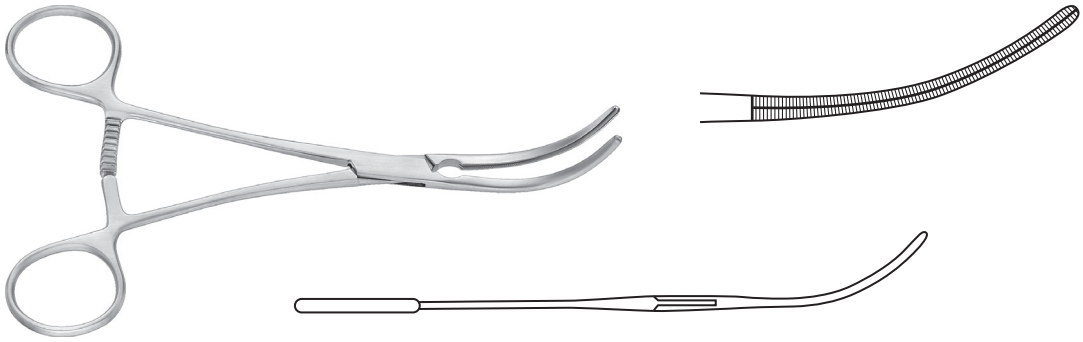


Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
142-613-17	COOLEY	17,0 cm; 6 6/8"	ATRAUMA

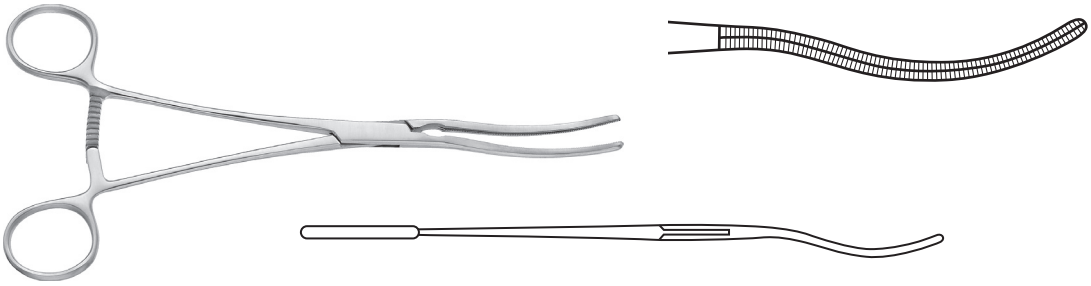


Anastomosenklemmen; Mehrzweck-Gefäßklemmen
Anastomosis Clamps; Multi purpose Clamps
Pinzas para anastomosis; Pinzas de uso universal
Pinces-clamps pour anastomose; Pinces universelles
Pinze per anastomosi; Pinze universali

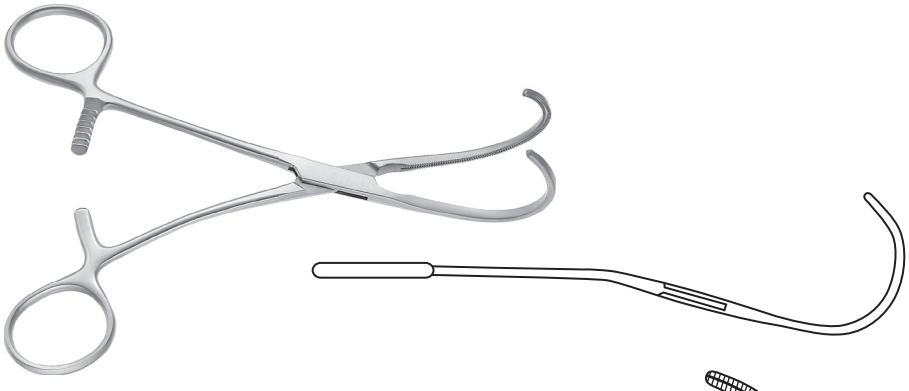
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
142-614-17	COOLEY	17,0 cm; 6 6/8"	ATRAUMA



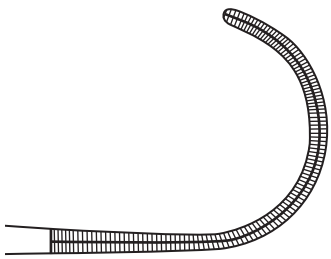
142-615-17	COOLEY	17,5 cm; 6 7/8"	ATRAUMA



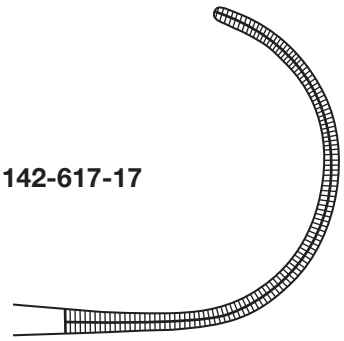
	COOLEY	16,5 cm; 6 4/8"	ATRAUMA



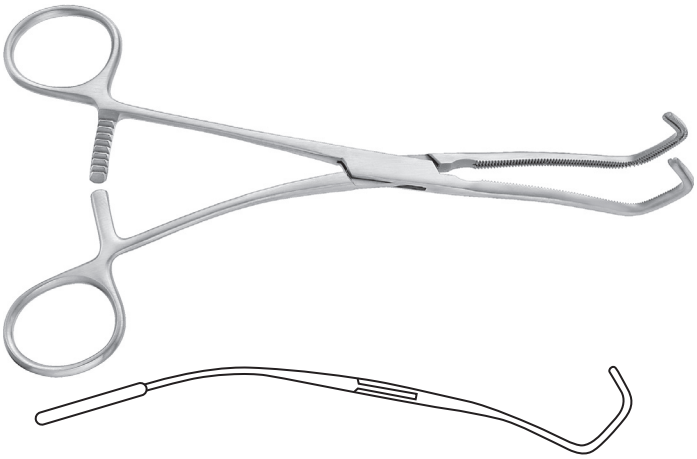
142-617-16

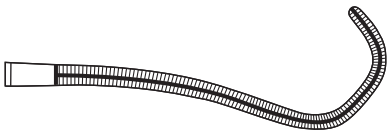
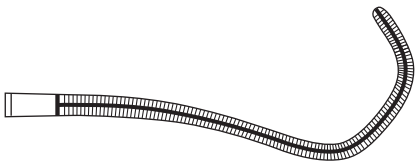
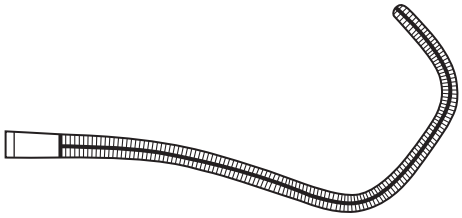


142-617-17



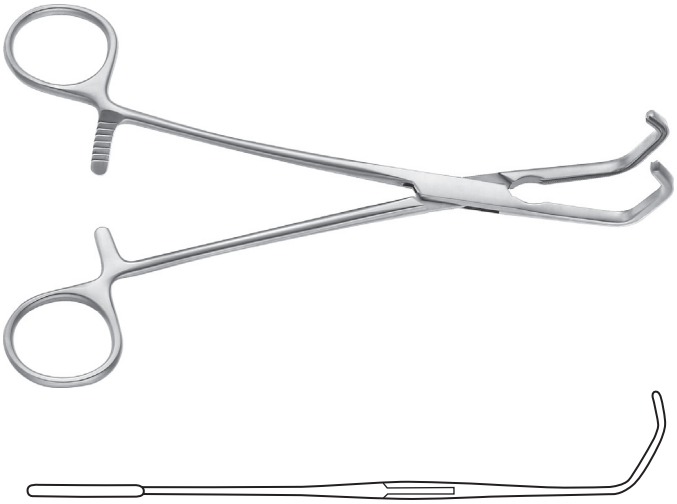
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	COOLEY-DERRA		ATRAUMA

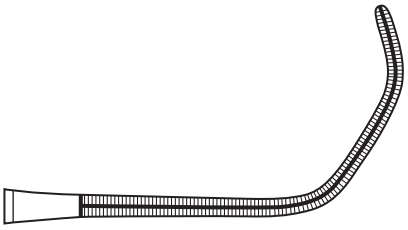


142-620-16	**16,5 cm; 6 4/8"**	
142-620-17	**17,0 cm; 6 6/8"**	
142-620-18	**17,5 cm; 6 7/8"**	

Kinder-Aortaklemmen; Kinder-Gefäßklemmen
Pediatric Aortic Clamps; Pediatric Clamps
Pinzas aórticas pediátricas; Pinzas pediátricas
Pinces-clamps pour aorte pédiatriques; Pinces pédiatriques
Pinze per aorta pediatriche; Pinze pediatriche

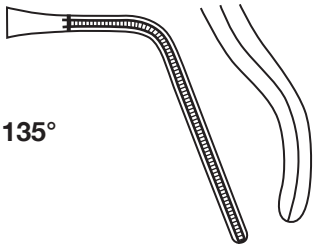
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
142-625-17	COOLEY-BECK	17,0 cm; 6 6/8"	ATRAUMA





142-630-15	SUBRAMANIAN-MINIATURE	16,5 cm; 6 4/8"	ATRAUMA



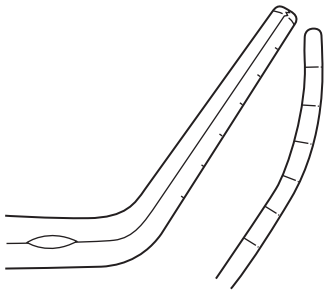


Kinder-Aortaklemmen; Kinder-Gefäßklemmen
Pediatric Aortic Clamps; Pediatric Clamps
Pinzas aórticas pediátricas; Pinzas pediátricas
Pinces-clamps pour aorte pédiatriques; Pinces pédiatriques
Pinze per aorta pediatriche; Pinze pediatriche

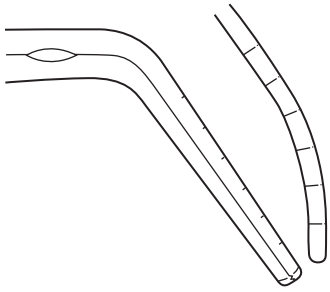
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	SUBRAMANIAN	**16,0 cm; 6 2/8"**	ATRAUMA



142-631-01



142-631-02

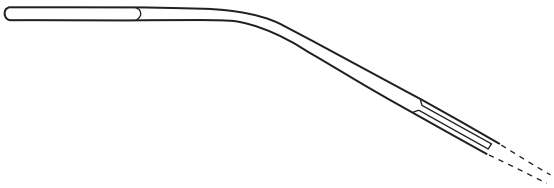


Kinder-Gefäßklemmen
Pediatric Vascular Clamps
Pinzas vasculares pediátricas
Pinces vasculaires pédiatriques
Pinze vascolari pediatriche

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

ATRAUMA





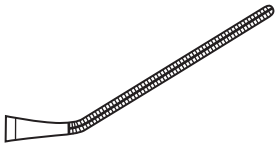
142-711-01 Fig. 1
14,0 cm; 5 4/8"



142-711-02 Fig. 2
14,0 cm; 5 4/8"



142-711-03 Fig. 3
14,0 cm; 5 4/8"

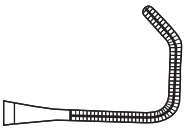


142-711-04 Fig. 4
14,0 cm; 5 4/8"

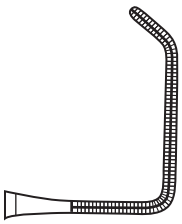


142-711-05 Fig. 5
14,0 cm; 5 4/8"

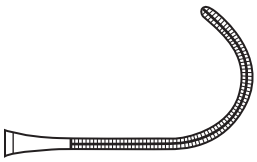
142-711-06 Fig. 6
13,0 cm; 5"



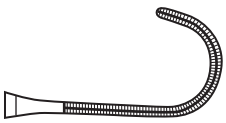
142-711-07 Fig. 7
13,0 cm; 5"



142-711-08 Fig. 8
14,0 cm; 5 4/8"



142-711-09 Fig. 9
13,0 cm; 5"

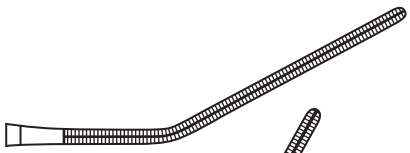


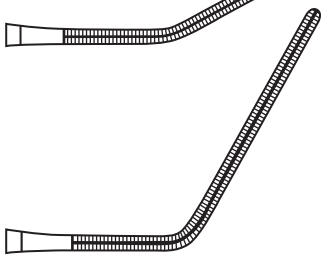
Kinder-Gefäßklemmen
Pediatric Vascular Clamps
Pinzas vasculares pediátricas
Pinces vasculaires pédiatriques
Pinze vascolari pediatriche

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
			ATRAUMA
142-720-16	16,5 cm; 6 4/8"		
142-721-16	16,5 cm; 6 4/8"		
142-723-15	15,5 cm; 6"		
			ATRAUMA
142-725-15	15,5 cm; 6"		
142-727-15	16,0 cm; 6 2/8"		

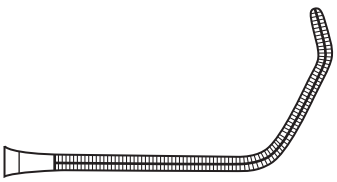


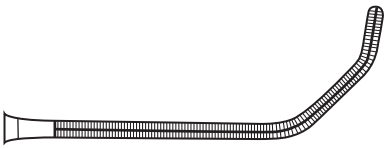








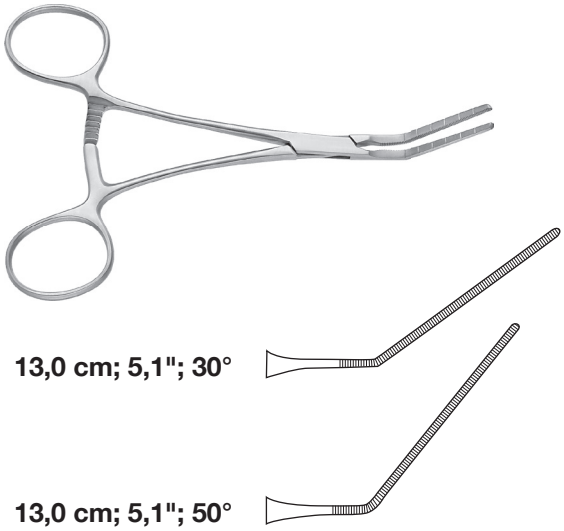




Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

CASTAÑEDA

ATRAUMA



142-735-01	**13,0 cm; 5,1"; 30°**	**142-735-03**	**10,0 cm; 3,9"; 90°**
142-735-02	**13,0 cm; 5,1"; 50°**		

CASTAÑEDA

ATRAUMA



142-735-04	**12,0 cm; 4 6/8"**	**142-735-05**	**12,0 cm; 4 6/8"**
142-735-06	**15,0 cm; 6"**	**142-735-07**	**15,0 cm; 5,9"**

TONTARRA

OPEN SURGERY



Galle; Niere

Gall bladder; Kidney

Biliares; Renales

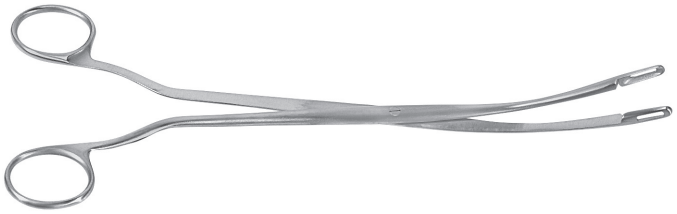
Biliaire; Rénaux

Biliari; Renali

154

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

DESJARDINS — **23,0 cm; 9"**



154-001-01 **Fig. 1** 

154-001-02 **Fig. 2** 

BLAKE — **21,0 cm; 8 2/8"**



gerade | straight | recta | droite | retta

154-006-20 

gebogen | curved | curva | courbe | curva

154-005-20 

BLAKE — **21,0 cm; 8 2/8"**



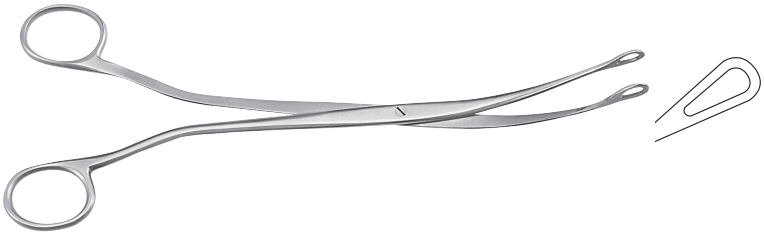
gerade | straight | recta | droite | retta

154-008-20 

gebogen | curved | curva | courbe | curva

154-009-20 

154-021-22 **MIXTER** — **22,0 cm; 8 5/8"**



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	BAKES	**30,0 cm; 11 6/8"**	
	biegsam | malleable | maleable | malléable | malleabile		



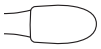
154-050-01	Ø 1,0 mm	154-050-08	Ø 8,0 mm
154-050-02	Ø 2,0 mm	154-050-09	Ø 9,0 mm
154-050-03	Ø 3,0 mm	154-050-10	Ø 10,0 mm
154-050-04	Ø 4,0 mm	154-050-11	Ø 11,0 mm
154-050-05	Ø 5,0 mm	154-050-12	Ø 12,0 mm
154-050-06	Ø 6,0 mm	154-050-13	Ø 13,0 mm
154-050-07	Ø 7,0 mm		

154-000-30	**BAKES** **Satz mit 13 Stück von 1,0 - 13,0 mm** **Set of 13 pieces from 1,0 - 13,0 mm** Juego de 13 piezas de 1,0 - 13,0 mm Kit avec 13 pièces de 1,0 - 13,0 mm Serie di 13 pezzi da 1,0 - 13,0 mm	SET

Gallengangsonden; Gallensteinlöffel
Common Duct Probes; Common Duct Scoops
Sondas para conducto biliar; Cuchara para cálculos biliares
Sonde pour les voies biliaires; Curette pour calculs biliaires
Sonde per il condotto biliare; Cucchiai per calcoli biliari

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	DESJARDINS	**28,0 cm; 11"**	



154-056-13	**Fig.1 13 Char.** 		
154-056-18	**Fig. 2 18 Char.** 		
154-056-21	**Fig 3. 21 Char.** 		
	DESJARDINS	**30,0 cm; 11 6/8"**	
	biegsam | malleable | maleable | malléable | malleabile		



154-058-18	**Fig. 1 18 Char.** 		
154-058-21	**Fig. 2 21 Char.** 		
154-058-24	**Fig. 3 24 Char.** 		
154-058-27	**Fig. 4 27 Char.** 		
154-070-01	**FERGUSSON**	**21,5 cm; 8 4/8"**	



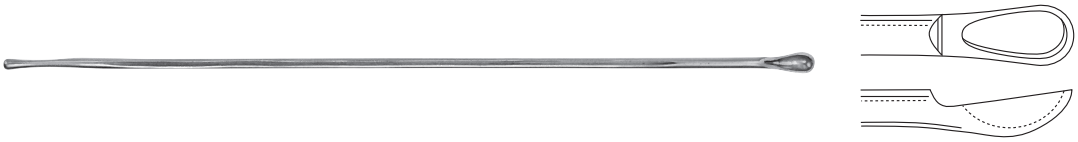


Gallensteinlöffel
Common Duct Scoops
Cucharas para cálculos biliares
Curette pour calculs biliaires
Cucchiai per calcoli biliari

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
154-072-01	**MAYO**	**27,0 cm; 10 5/8"**	



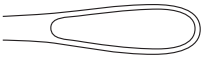
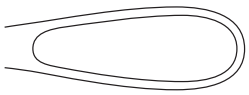
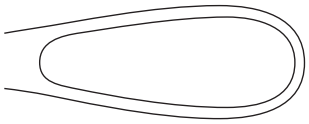
154-076-34	**MOYNIHAN**	**34,0 cm; 13 3/8"**	



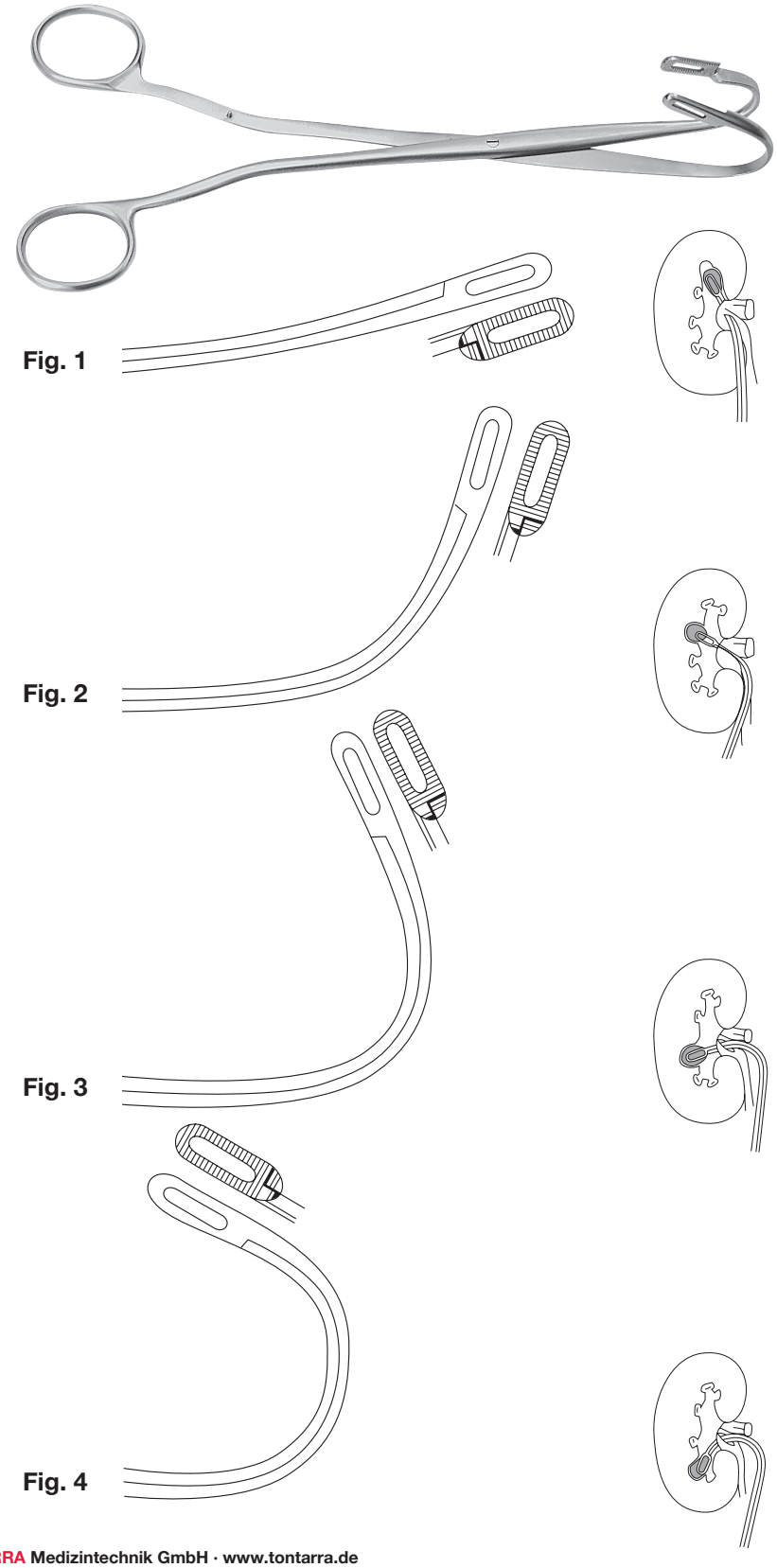
	LUER-KÖRTE	**24,0 cm; 9 4/8"**	

biegsam | malleable | maleable | malléable | malleabile

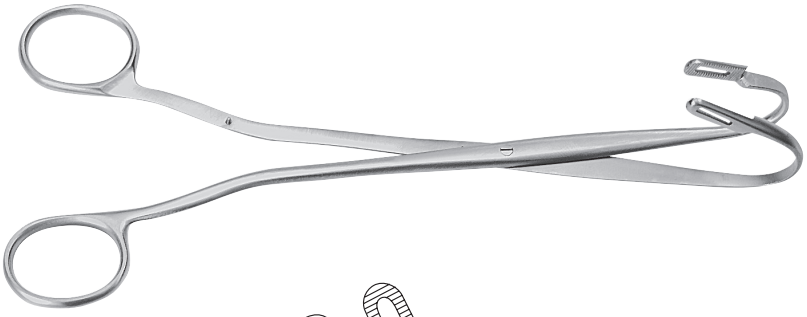


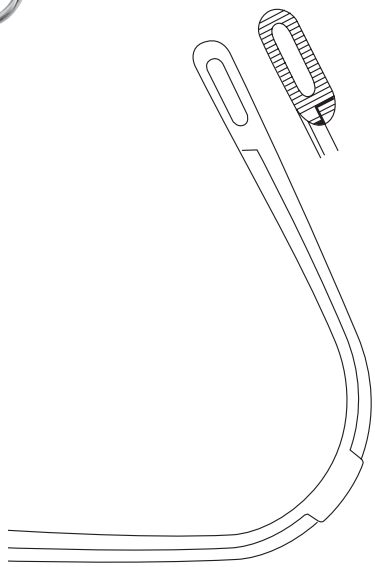
154-080-01	**2,8 mm Fig. 000**		154-080-05	**6,7 mm Fig. 2**	
154-080-02	**3,4 mm Fig. 00**		154-080-06	**8,0 mm Fig. 3**	
154-080-03	**4,3 mm Fig. 0**		154-080-07	**11,0 mm Fig. 4**	
154-080-04	**5,5 mm Fig. 1**		154-080-08	**15,0 mm Fig. 5**	

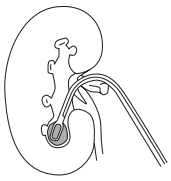
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	RANDALL		
154-200-01	Fig. 1	23,0 cm; 9"	
154-200-02	Fig. 2	21,0 cm; 88 2/8"	
154-200-03	Fig. 3	19,0 cm; 7 4/8"	
154-200-04	Fig. 4	18,5 cm; 7 2/8"	

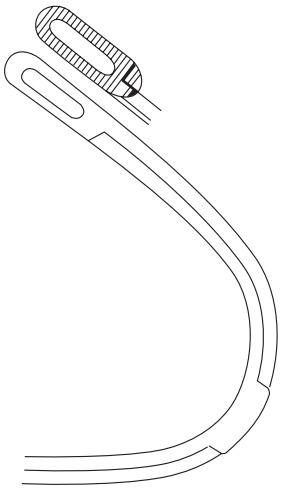


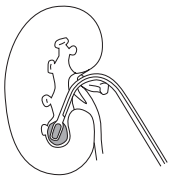
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	RANDALL		
154-200-05	Fig. 5	19,0 cm; 7 4/8"	
154-200-06	Fig. 6	19,0 cm; 7 4/8"	







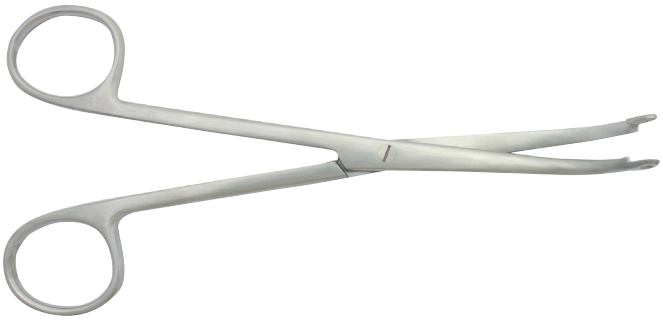


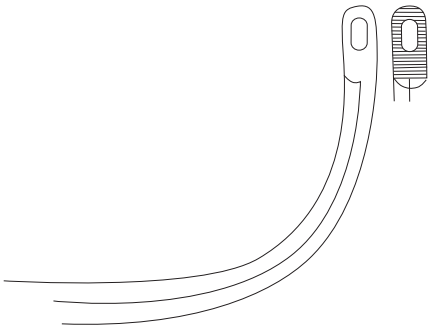


Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

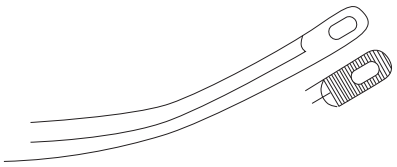
HEIMING

für Kinder | for children | para niños | pour enfants | per bambini





154-210-01 **Fig. 1** **16,0 cm; 6 2/8"**



154-210-02 **Fig. 2** **17,0 cm; 6 6/8"**

TONTARRA

OPEN SURGERY



Magen; Darm; Rektum

Stomach; Intestines; Rectum

Estómago; Intestinos; Recto

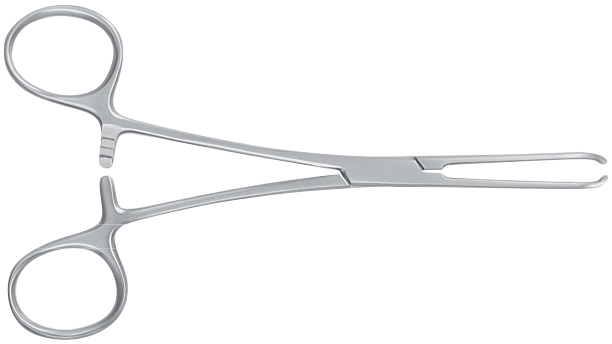
Estomac; Intestins; Rectum

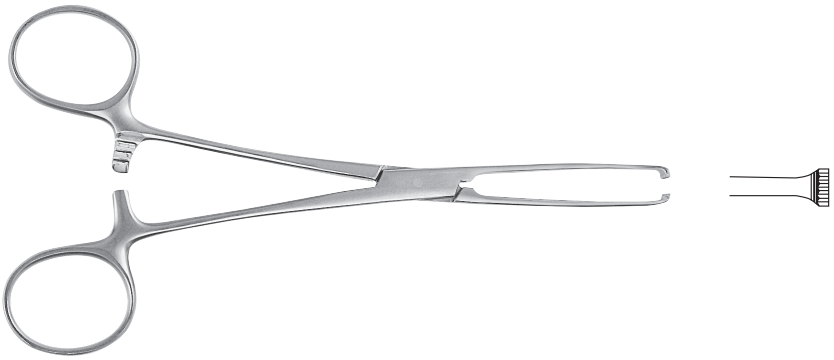
Stomaco; Inestini; Retto

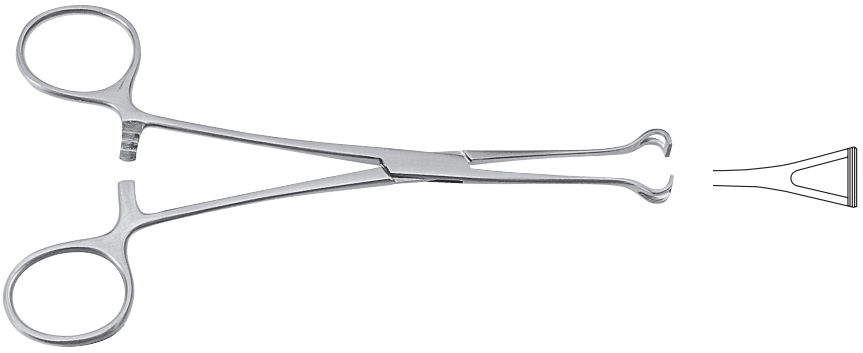
160-164

Darm- und Gewebefasszangen
Intestinal and Tissue Grasping Forceps
Pinzas para intestinos y tejidos
Pinces pour saisir intestins et tissus
Pinze per afferrare intestino e tessuti

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	ALLIS-BABY		4 x 5
160-000-12	12,5 cm; 4 7/8"		
160-000-15	15,0 cm; 5 7/8"		
	ALLIS		5 x 6
160-004-15	16,0 cm; 6 2/8"		
160-004-19	19,0 cm; 7 4/8"		
160-004-22	22,0 cm; 8 5/8"		
160-004-25	25,0 cm; 9 7/8"		
	BABCOCK		
160-006-16	16,0 cm; 6 2/8"		
160-006-18	18,0 cm; 7 1/8"		
160-006-20	20,0 cm; 7 7/8"		
160-006-24	24,0 cm; 9 4/8"		
	ALLIS-ADAIR		10 x 11
160-010-15	15,0 cm; 5 7/8"		

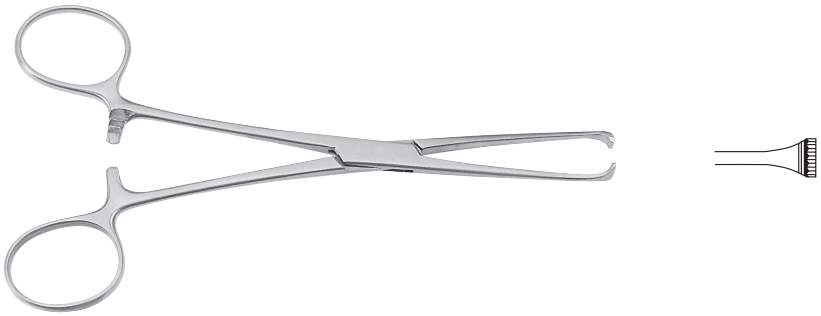




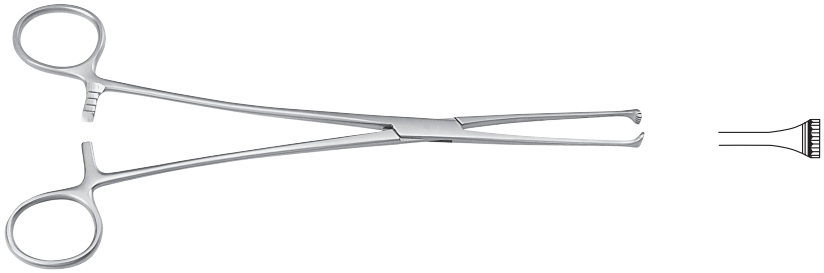




Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	BOYS-ALLIS		5 x 6
160-012-15	15,0 cm; 5 7/8"		



	ALLIS		5 x 6
160-014-20	20,0 cm; 7 7/8"		

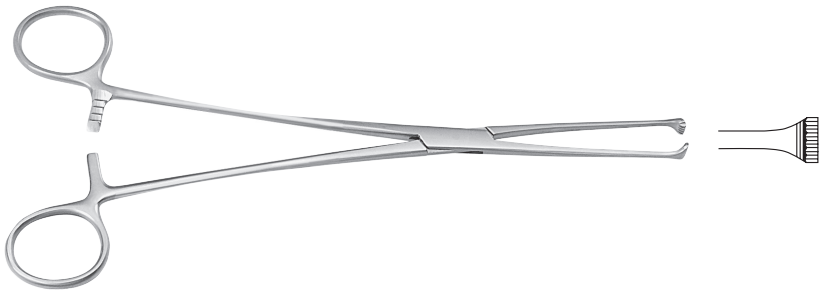


	JUDD-ALLIS		3 x 4
160-040-15	15,0 cm; 5 7/8"		
160-040-19	19,0 cm; 7 4/8"		

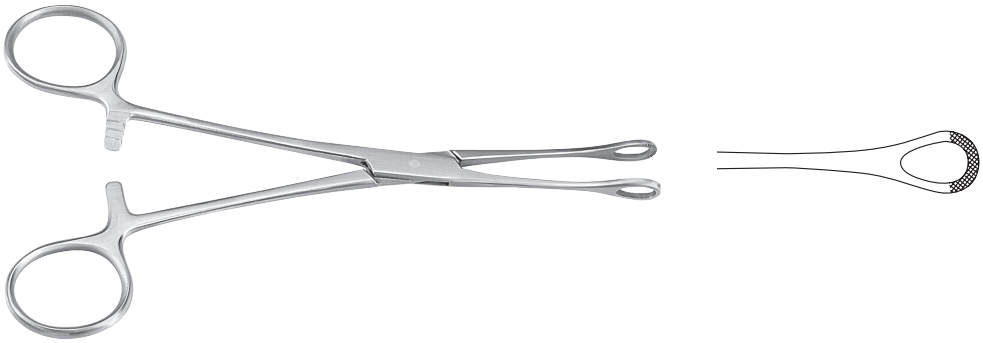


Darm- und Gewebefasszangen
Intestinal and Tissue Grasping Forceps
Pinzas para intestinos y tejidos
Pinces pour saisir intestins et tissus
Pinze per afferrare intestino e tessuti

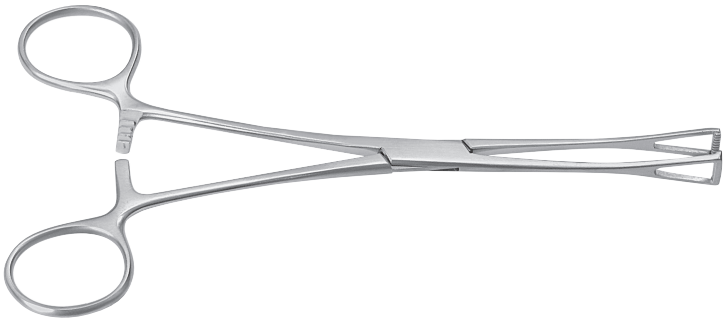
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	THOMS-ALLIS		6 x 7
160-050-20	20,0 cm; 7 7/8"		



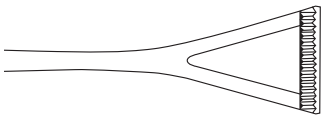
	WILLIAMS		
160-070-16	16,0 cm; 6 2/8"		



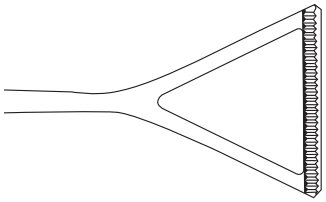
	DUVAL		



160-170-18	18,0 cm; 7 1/8"		
160-170-20	20,0 cm; 7 7/8"		

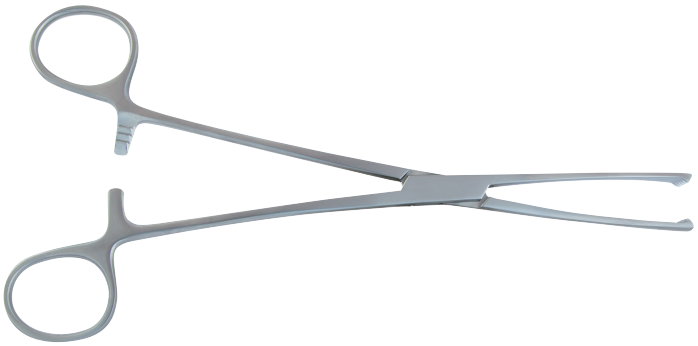


160-172-20	20,0 cm; 7 7/8"		
160-172-23	23,0 cm; 9"		

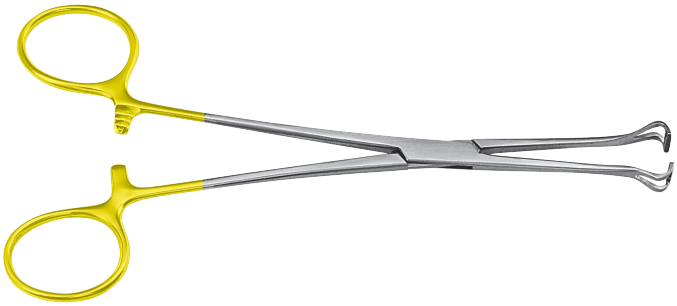


Darm- und Gewebefasszangen
Intestinal and Tissue Grasping Forceps
Pinzas para intestinos y tejidos
Pinces pour saisir intestins et tissus
Pinze per afferrare intestino e tessuti

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	LOCKWOOD		
160-176-20	**20,0 cm; 7 7/8"**		



	BABCOCK		TC
160-180-16	**16,5 cm; 6 4/8"**		
160-180-20	**21,0 cm; 8 2/8"**		



160-190-20	**DUVAL**	**20,0 cm; 7 7/8"**	TC



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

DOYEN-BABY



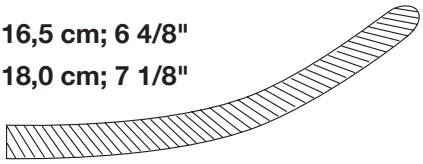
gerade | straight | recta | droite | retta

160-200-16	**16,5 cm; 6 4/8"**	
160-200-18	**18,0 cm; 7 1/8"**	



gebogen | curved | curva | courbe | curva

160-201-16	**16,5 cm; 6 4/8"**	
160-201-18	**18,0 cm; 7 1/8"**	

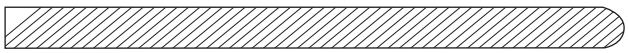


DOYEN



gerade | straight | recta | droite | retta

160-210-21	**21,0 cm; 8 2/8"**	
160-210-23	**23,0 cm; 9"**	

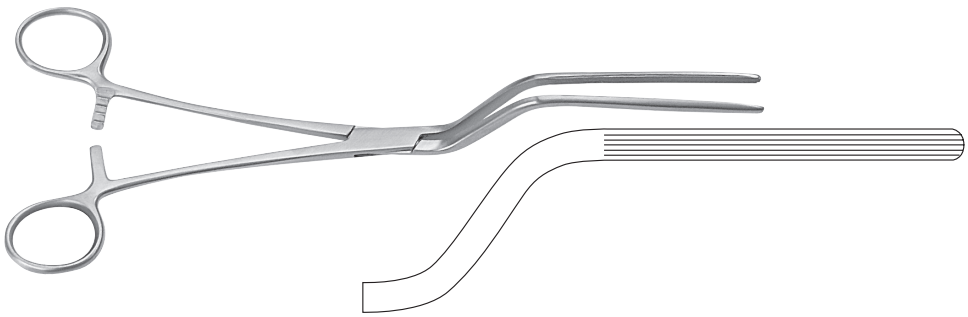


gebogen | curved | curva | courbe | curva

160-211-21	**21,0 cm; 8 2/8"**	
160-211-23	**23,0 cm; 9"**	

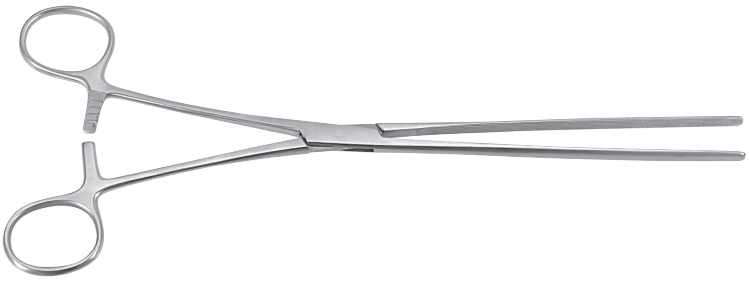


160-240-24	**BRUNNER**	**24,0 cm; 9 4/8"**	



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

MAYO-ROBSON



gerade | straight | recta | droite | retta

160-230-21	21,5 cm; 8 4/8"	
160-230-23	23,5 cm; 9 2/8"	
160-230-25	25,5 cm; 10"	



gebogen | curved | curva | courbe | curva

160-231-21	21,5 cm; 8 4/8"	
160-231-23	23,0 cm; 9"	
160-231-25	24,5 cm; 9 5/8"	

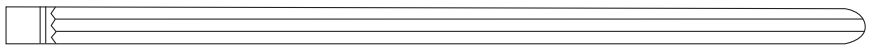


KOCHER



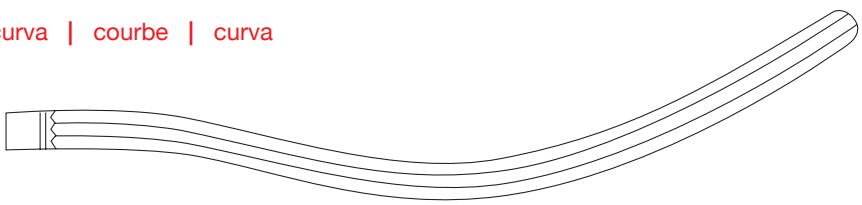
gerade | straight | recta | droite | retta

160-234-22	22,5 cm; 8 7/8"	
160-234-25	25,0 cm; 9 7/8"	
160-234-28	28,0 cm; 11,2"	



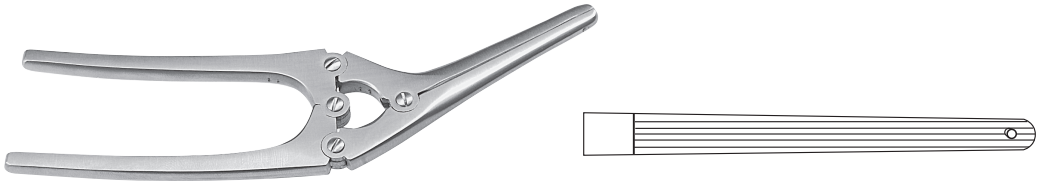
gebogen | curved | curva | courbe | curva

160-235-22	22,0 cm; 8 5/8"	
160-235-25	25,0 cm; 9 7/8"	
160-235-28	27,5 cm; 10 6/8"	





Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
160-310-15	**PAYR-BABY**	15,0 cm; 6"	
	mit Stift | with pin | con espiga | avec cheville | con perno		



	PAYR		
	mit Stift | with pin | con espiga | avec cheville | con perno		



160-310-21	21,0 cm; 8 2/8"		
160-310-29	29,0 cm; 11 3/8"		
160-310-35	34,0 cm; 13 3/8"		



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

DE MARTEL-WOLFSON

Pack á 3 Stück | Set with 3 pieces
Paquete con 3 piezas | Paquet avec 3 pièces | Confezione di 3 pezzi

160-320-05	**50 mm**	
160-320-07	**70 mm**	
160-320-10	**100 mm**	
160-320-12	**120 mm**	



160-325-26	**DE MARTEL-WOLFSON**	**25,0 cm; 9 7/8"**

Klemmenschließzange | Closing forceps
Pinza para cerrar grapas | Pince pour fermer les clamps | Serrapinza



160-340-08	**DE MARTEL-WOLFSON**	**9,5 cm; 3 6/8"**

Klemmenhalter | Clamp holder
Porta-pinza | Porte-pince | Portapinza



160-340-23	**DE MARTEL-WOLFSON**	**23,0 cm; 9"**

Klemmenhalter | Clamp holder
Porta-pinza | Porte-pince | Portapinza



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
160-342-15	**BENSON**	15,5 cm; 6 1/8"	

Pylorusspreizer | Pylorus Spreader
Separador para piloro | Écarteur de pylore | Divaricatore pilorio

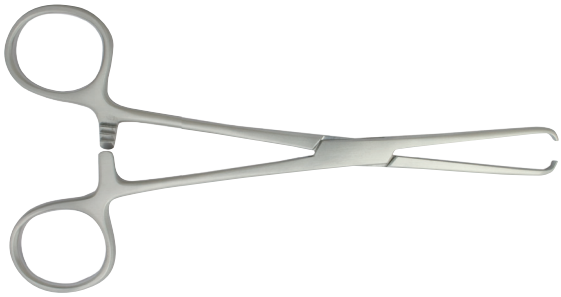


STONE-WATT



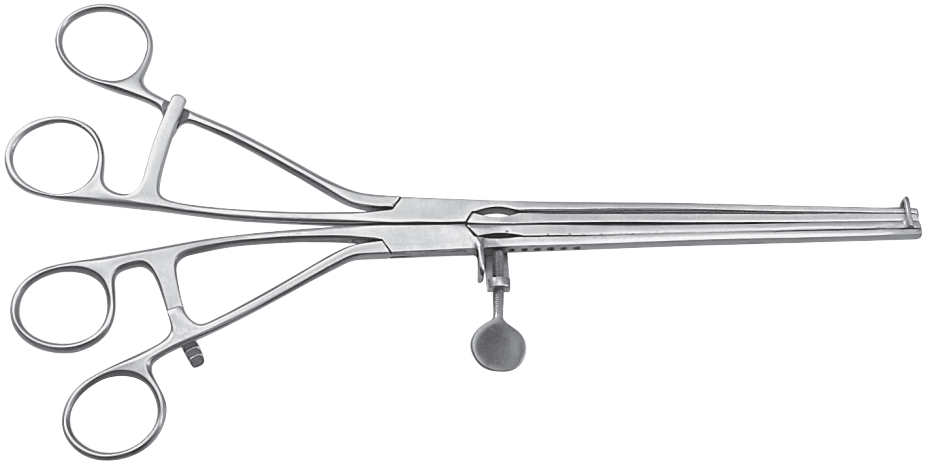
160-345-07	8,5 cm; 3 3/8"		
160-345-10	11,0 cm; 4 3/8"		
160-347-15	**STONE-WATT**	16,0 cm; 6 2/8"	

Schließklemme | Closing Forceps
Pinza para cerrar clamps | Pince pour fermer les clamps | Serrapinza e portapinza



Magen- und Darm-Zwillingsklemmen
Stomach and Intestinal anastomosis Twin Clamps
Pinzas gastro-intestinales gemelas
Pinces gémellaires stomacales et instestinales
Pinze gastrointestinali gemelle

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	LANE	**30,0 cm; 11 6/8"**	



gerade | straight | recta | droite | retta

160-360-30

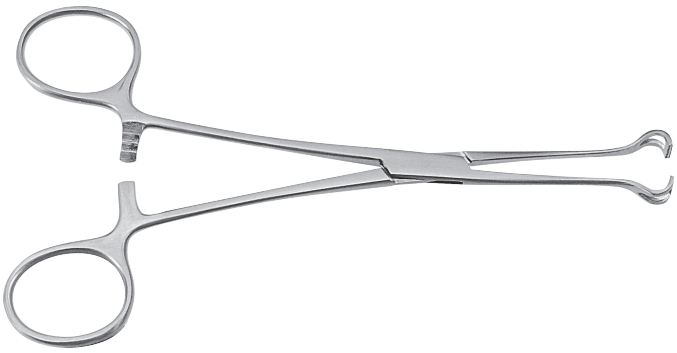


gebogen | curved | curva | courbe | curva

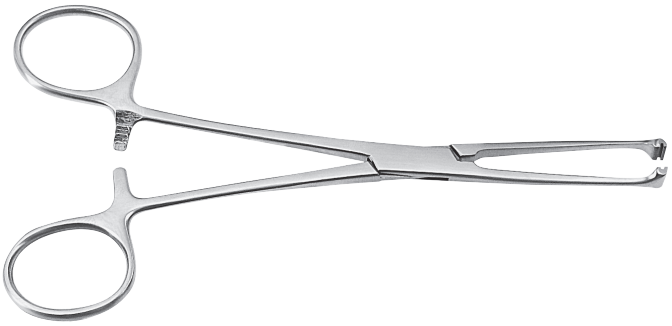
160-361-30

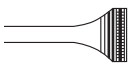


Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	BABCOCK		ATRAUMA



164-006-16	16,0 cm; 6 2/8"	
164-006-20	20,0 cm; 7 7/8"	
164-006-30	30,0 cm; 12"	
	ALLIS	ATRAUMA



164-124-16	16,0 cm; 6 2/8"	
164-124-20	20,0 cm; 7 7/8"	
164-124-25	25,0 cm; 9 7/8"	
164-124-30	30,0 cm; 12"	

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

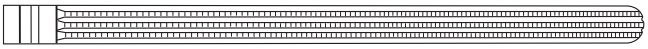
DOYEN

ATRAUMA



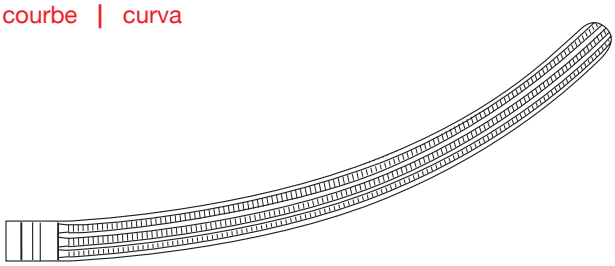
gerade | straight | recta | droite | retta

164-210-16	**16,0 cm; 6 2/8"**	
164-210-18	**18,0 cm; 7"**	
164-210-21	**21,0 cm, 8 2/8"**	
164-210-23	**23,0 cm, 9"**	



gebogen | curved | curva | courbe | curva

164-211-16	**16,0 cm; 6 2/8"**	
164-211-18	**18,0 cm; 7"**	
164-211-21	**21,0 cm, 8 2/8"**	
164-211-23	**23,0 cm, 9"**	



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

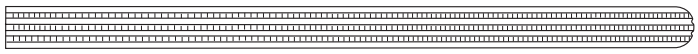
MAYO-ROBSON

ATRAUMA



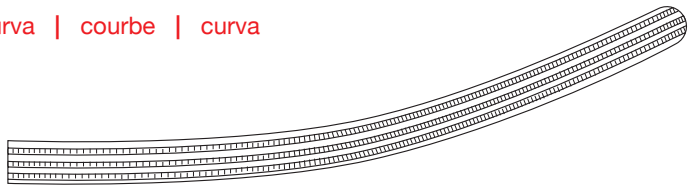
gerade | straight | recta | droite | retta

164-230-21	21,0 cm; 8 2/8"	
164-230-23	23,0 cm; 9"	
164-230-25	25,0 cm; 9 2/8"	



gebogen | curved | curva | courbe | curva

164-231-21	21,0 cm; 8 2/8"	
164-231-23	23,0 cm; 9"	
164-231-25	25,0 cm; 9 2/8"	



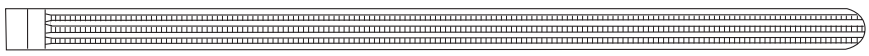
KOCHER

ATRAUMA



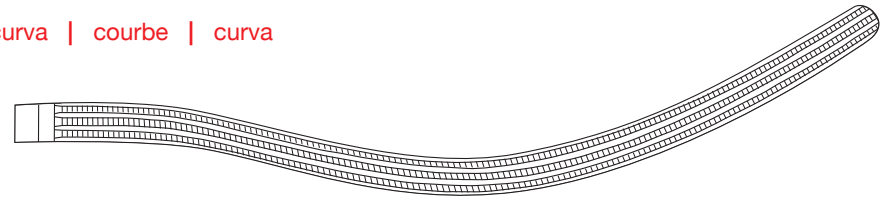
gerade | straight | recta | droite | retta

164-234-22	22,0 cm; 8 5/8"	
164-234-25	25,0 cm; 9 7/8"	
164-234-28	28,0 cm; 11"	



gebogen | curved | curva | courbe | curva

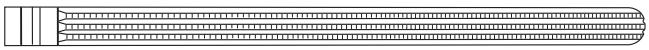
164-235-22	22,0 cm; 8 5/8"	
164-235-25	25,0 cm; 9 7/8"	
164-235-28	28,0 cm; 11"	



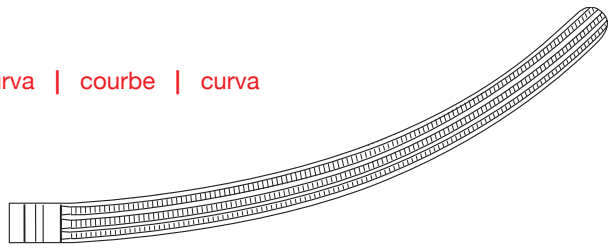
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	KOCHER-BABY	**13,0 cm; 5 1/8"**	ATRAUMA



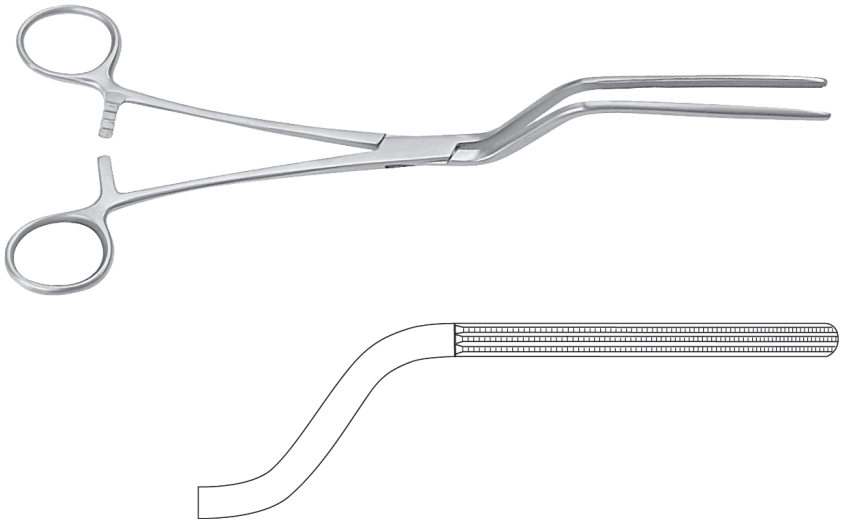
164-238-13	**gerade | straight** | recta | droite | retta	



164-239-13	**gebogen | curved** | curva | courbe | curva	



164-240-24	**BRUNNER**	**27,0 cm; 10 6/8"**	ATRAUMA

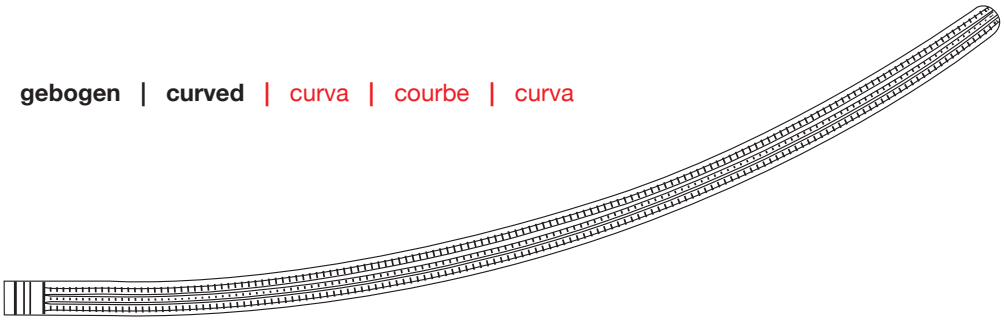


Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	SCUDDER	**33,0 cm; 13"**	ATRAUMA

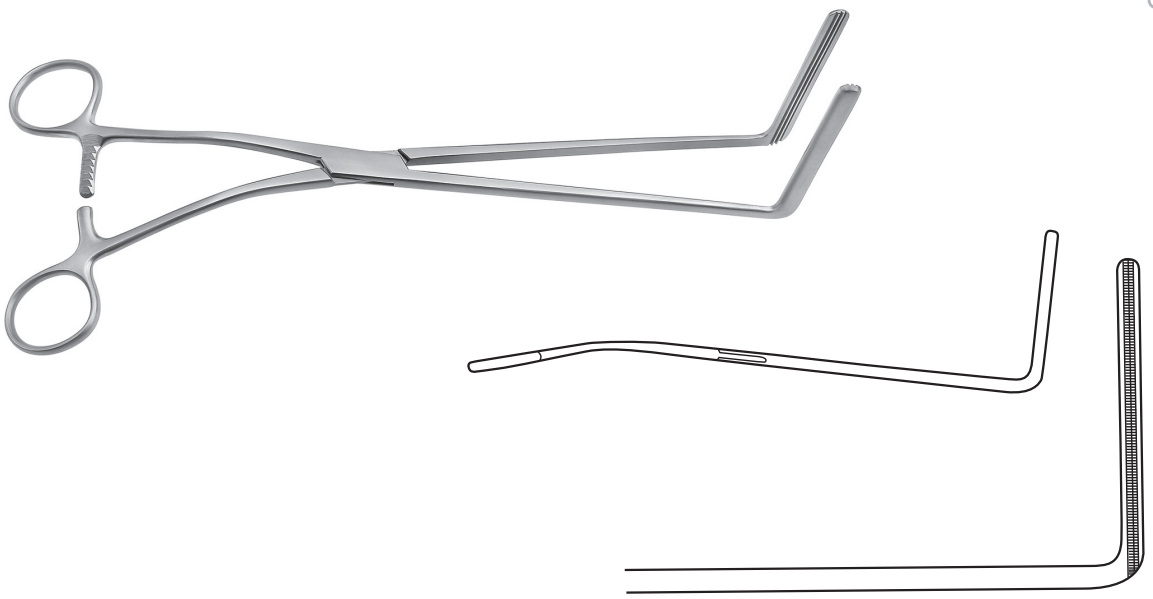


gebogen | curved | curva | courbe | curva

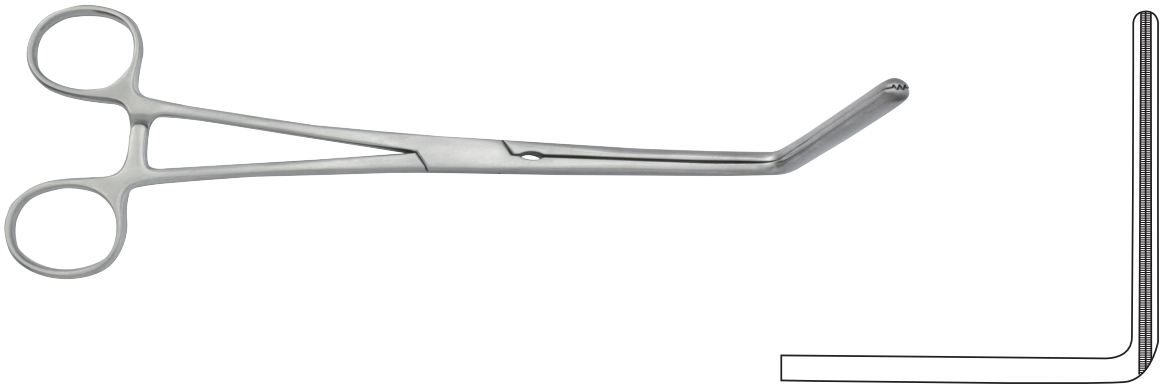
164-365-33



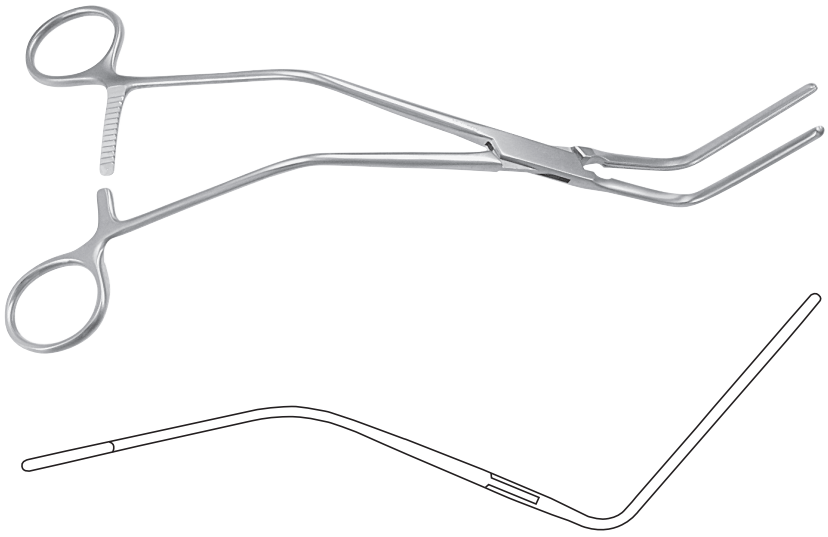
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
164-370-30	RESANO	28,0 cm; 11"	ATRAUMA

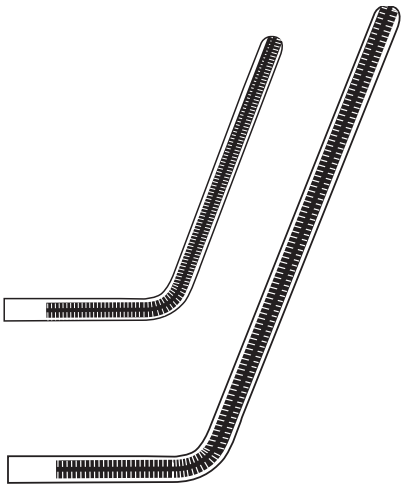


Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
164-374-24	FEHLAND	24,0 cm; 9 4/8"	ATRAUMA



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	HAYES		ATRAUMA





164-376-26	**26,0 cm; 10 2/8"**	
164-376-28	**28,0 cm; 11"**	

TONTARRA

OPEN SURGERY



Magen; Darm; Rektum

Stomach; Intestines; Rectum

Estómago; Intestinos; Recto

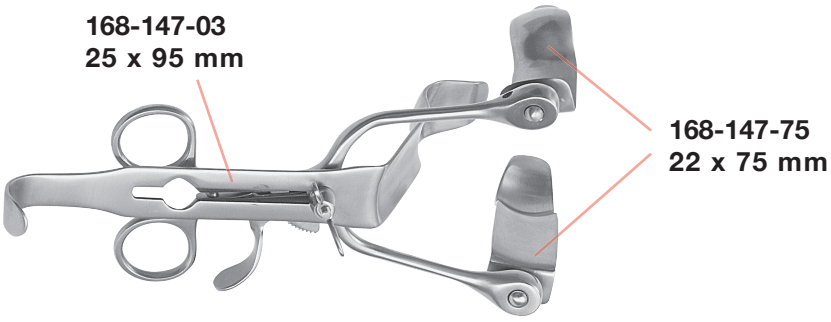
Estomac; Intestins; Rectum

Stomaco; Inestini; Retto

168

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
168-018-22	**CZERNY**	22,5 cm; 8 7/8"	
		105 x 23-28 mm	
168-046-21	**PRATT**	21,5 cm; 8 4/8"	
		85 x 25 mm	
168-108-15	**SIMS**	15,5 cm; 6 1/8"	
		17 x 89 mm	
168-110-15	**SIMS**	15,5 cm; 6 1/8"	
		17 x 89 mm	

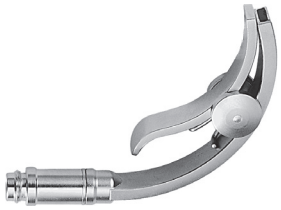
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
168-147-00	**ALAN PARKS** **mit Valven und Flügelmutter | with valves and wing nut** con valvas laterales y valva central | avec valves et écrou papillon | con valva laterale; valva centrale	14,0 cm; 5,6"	SET



168-147-02	**Sperrer; allein** **Retractor; only** Separador; central Ecarteur; centrale Divaricatore; centrale	25 x 95 mm
168-147-03	**Mittelvalve; allein** **Central blade; only** Valva; central Valve; centrale Valva; centrale	25 x 95 mm
168-147-75	**Seitenvalven; Paar** **Lateral blades; pair** Valvas laterales; par Valves laterales; paire Valva laterale; paio	22 x 75 mm
168-147-95	**Seitenvalven; Paar** **Lateral blades; pair** Valvas laterales; par Valves laterales; paire Valva laterale; paio	22 x 95 mm



168-200-00	**Kaltlichtaufsatz** **Cold light carrier** Portador de luz fría Support lumière froide Supporto per luce fredda	



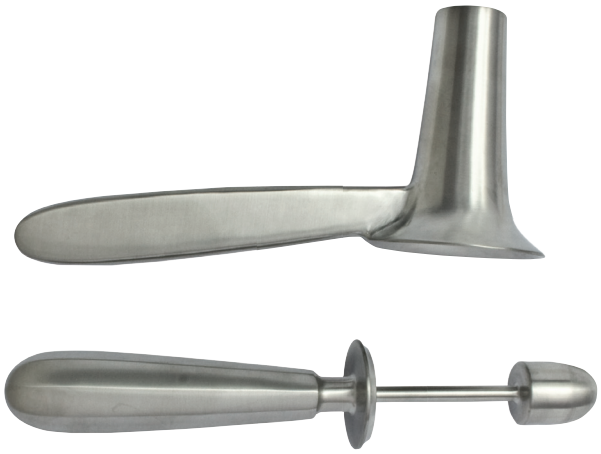
Anuskop; Sphinkteroskope
Anuscope; Sphincteroscopes
Anoscopios; Esfincteroscopio
Anuscope; Sphinctéroscopes
Anuscopio; Sfincteroscopi

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	IVES FANSLER	**Ø 22 mm**	



168-268-01	**ohne Kaltlichtträger** **without cold light** sin luz fría sans lumière froide senza luce fredda	**168-268-02**	**mit Kaltlichtträger** **with cold light** con luz fría avec lumière froide con luce fredda

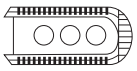
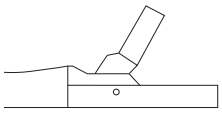
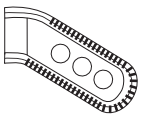
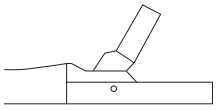
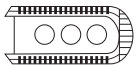
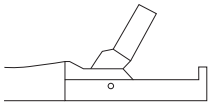
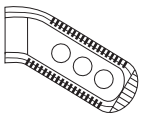
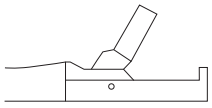
KELLY



168-285-21	**Ø 21 x 50 mm**
168-285-27	**Ø 27 x 50 mm**

Art.Nr.	Beschreibung | *Description*		Size	Spez.
	drehbarer Schaft | rotating shaft | vástago giratorio | fût rotatif | camicia rotativa			



	YEOMAN			
168-370-23	**23,0 cm; 9"**		**6 x 12 mm**	
168-370-33	**33,0 cm; 13"**			
168-370-41	**41,0 cm; 16 1/8"**			
	TURREL			
168-375-23	**23,0 cm; 9"**		**6 x 12 mm**	
168-375-33	**33,0 cm; 13"**			
168-375-41	**41,0 cm; 16 1/8"**			
	YEOMAN			
168-380-33	**33,0 cm; 13"**		**6 x 12 mm**	
168-380-41	**41,0 cm; 16 1/8"**			
	TURREL			
168-385-23	**23,0 cm; 9"**		**6 x 12 mm**	
168-385-33	**33,0 cm; 13"**			
168-385-41	**41,0 cm; 16 1/8"**			

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
168-400-00	**RUDD**	27,5 cm; 10 7/8"	

komplett mit Ladekonus | complete with loading cone
completo con cono de carga | complet avec cône de charge | completo con cono per caricare



168-405-12	**RUDD**		

Ladekonus allein | Loading cone only | Cono de cargo | Cône de charge | Cono per caricare

168-410-00	**MC GIVNEY**	27,5 cm; 10 7/8"	

komplett mit Ligatur-Gummiringen | complete with ligature rubber rings
completo con anillos de goma | complet avec anneux en gomme | completo con anelli di goma



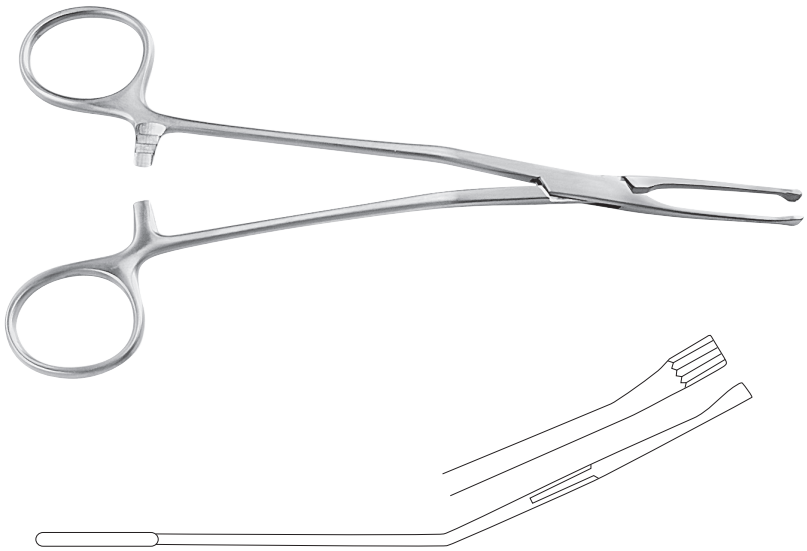
168-415-00	**Ligatur-Gummiringe** **Rubber rings** Anillos de goma Anneaux en gomme Anelli di gomma		



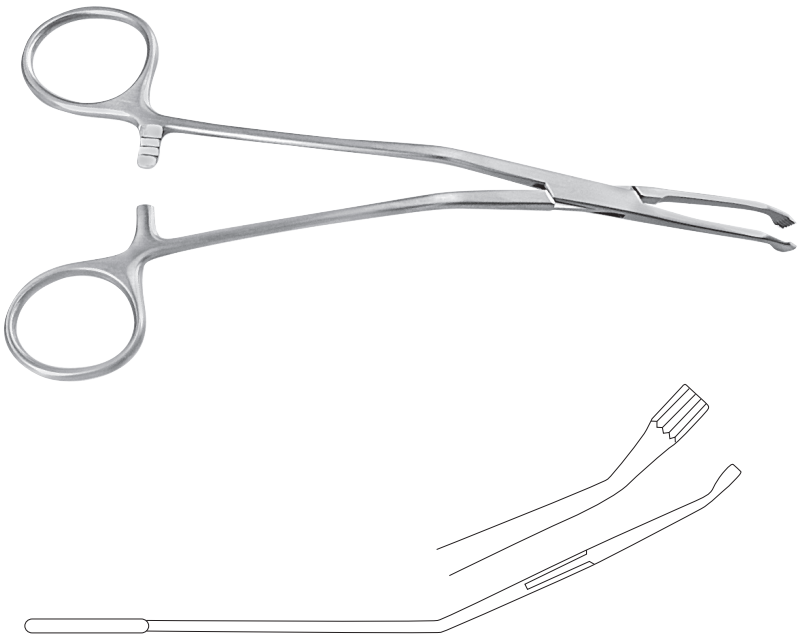
Pack mit 100 Stück | Package of 100 pieces
Paquete con 100 piezas | Paquet avec 100 pièces | Confezione di 100 pezzi

Hämorrhoidal Fasszangen
Hemorrhoidal Ligatur Forceps
Ligadores para hémorroides
Ligateur des hémorroïdes
Legatore emorroidale

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
168-471-19	MC GIVNEY	19,0 cm; 7 4/8"	



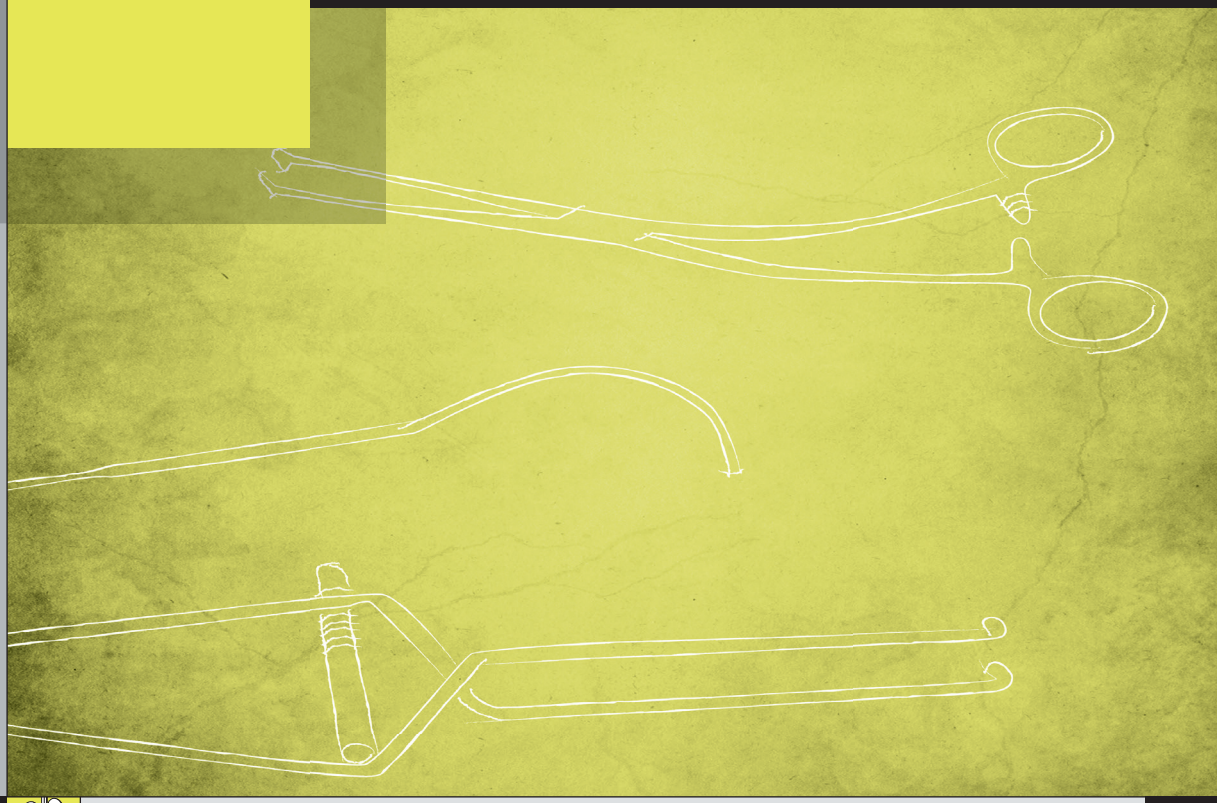
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
168-473-19	MC GIVNEY	19,0 cm; 7 4/8"	





TONTARRA

OPEN SURGERY



Urologie

Urology

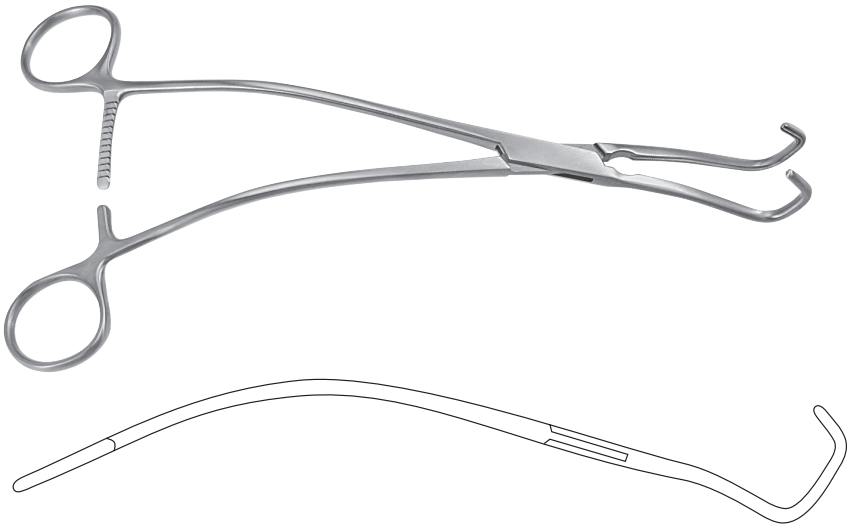
Urologia

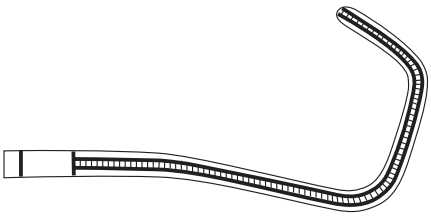
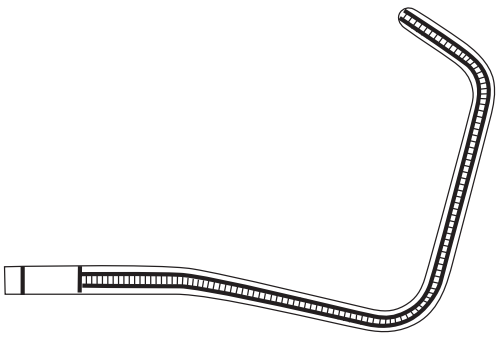
Urologie

Urologia

170

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	URO-TANGENTIAL	**24,0 cm; 9 1/2"**	ATRAUMA



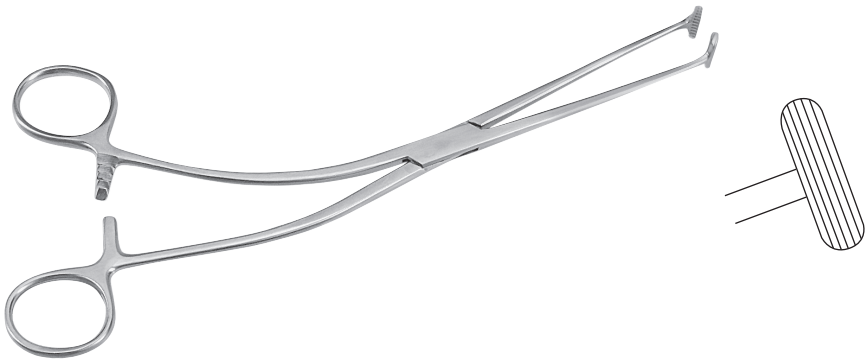
170-055-01	**Fig. 1**	
170-055-02	**Fig. 2**	

Kapselfasszange; Fadenführungszange
Capsule Forceps; Ligature Carrying Forceps
Pinzas capsulares; Pinzas porta ligaduras
Pince pour saisir les capsules; Pince porte-fil
Pinza per afferrare capsule; Pinza porta-filo

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
170-071-24	**MILLIN**	24,5 cm; 9 5/8"	ATRAUMA



170-073-23	**MILLIN**	24,5 cm; 9 5/8"	



170-075-23	**MILLIN**	22,0 cm; 8 5/8"	
		9 x 10	

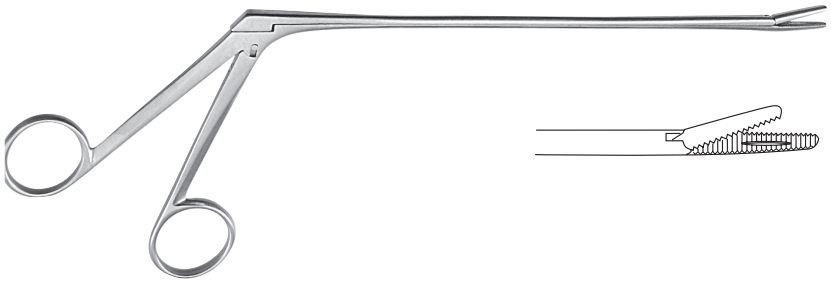


170-077-24	**MILLIN**	24,0 cm; 9 4/8"	

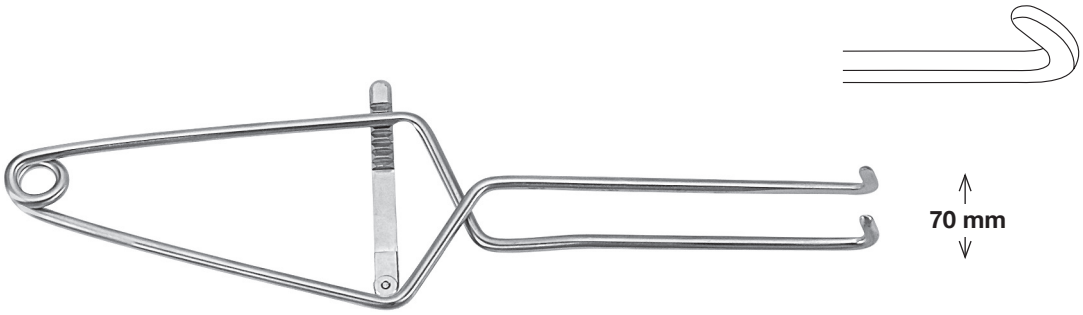


Fremdkörperzangen; Urethrotom
Foreign Body Forceps; Urethrotome
Pinza para cuerpos extraños; Uretrótomo
Pince pour les corps étrangers; Urétrotome
Pinza per corpi estranei; Uretrotomi

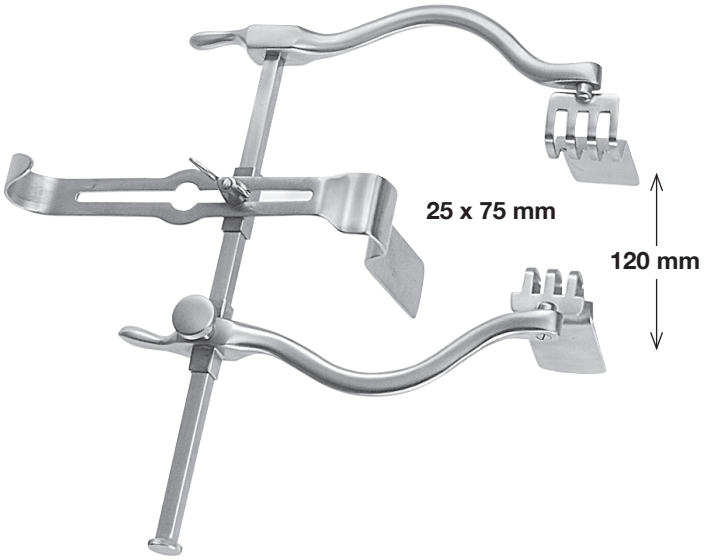
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	MATHIEU		
170-080-20	20,0 cm; 7 7/8"		
170-080-28	28,0 cm; 11"		



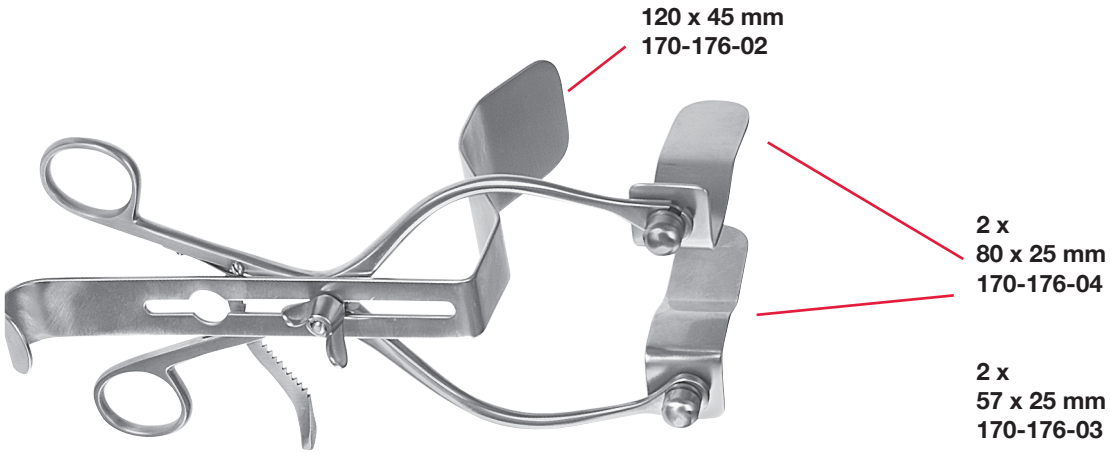
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
170-150-28	**MILLIN**	**29,5 cm; 11 5/8"**	



170-172-00	**JUDD-MASSON**		



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
170-176-00	**MILLIN** **mit Seitenvalven; mit Mittevalve** **with lateral valves; with centerblade** con valvas laterales y valva central avec valves laterales; valve centrale con valva laterale; valva centrale		SET

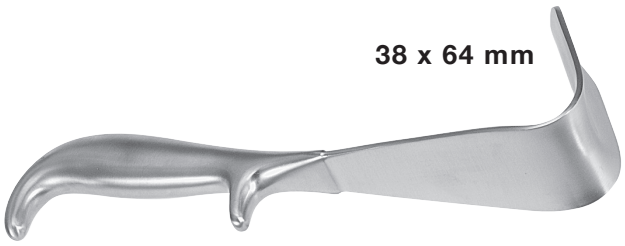


170-176-02	**Mittelvalve allein** **Central valves only** Valva central Valve centrale Valva centrale	**120 x 45 mm**
170-176-03	**Seitenvalven; Paar** **Lateral valves; pair** Valvas laterales; par Valve laterale; paire Valva laterale; paio	**57 x 25 mm**
170-176-04	**Seitenvalven; Paar** **Lateral valves; pair** Valvas laterales; par Valve laterale; paire Valva laterale; paio	**80 x 25 mm**
170-176-01	**Sperrer allein** **Retractor only** Separador suelto Ecarteur seul Divaricatore solo	

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
170-230-21	YOUNG	21,5 cm; 8 4/8"	



170-236-22	YOUNG	22,0 cm; 8 5/8"	



170-238-21	YOUNG	21,5 cm; 8 4/8"	



170-240-22	YOUNG	23,0 cm; 9"	



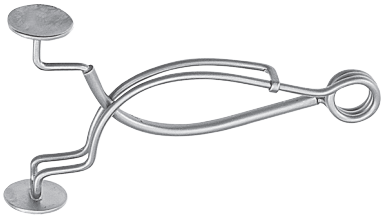
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
170-250-26	LEGUEU	27,0 cm; 10 5/8" 35 mm	



170-257-23	KOCHER	26,0 cm; 10 2/8" 67 mm	



170-345-08	STOCKMANN	8,0 cm; 3 1/8"	



170-349-11	STRAUSS	11,0 cm; 4 3/8"	



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	COMCO		
			
170-350-08	**Ø 8,0 mm**	**für Säuglinge | for infants** | para lactantes | pour bébé | per neonati	
170-350-11	**Ø 11,0 mm**	**für Knaben | for boys** | para niños | pour garcon | per bambini	
170-350-13	**Ø 13,0 mm**	**für Knaben | for boys** | para niños | pour garcon | per bambini	
170-350-16	**Ø 16,0 mm**	**für Jugendliche** **for teenager** | para adolescentes | pour adolescent | per adolescente	
170-350-21	**Ø 21,0 mm**	**für Jugendliche** **for teenager** | para adolescentes | pour adolescent | per adolescente	
170-350-26	**Ø 26,0 mm**	**für Männer | for men** | para hombres | pour homme | per adulti	
170-350-32	**Ø 32,0 mm**	**für Männer | for men** | para hombres | pour homme | per adulti	



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

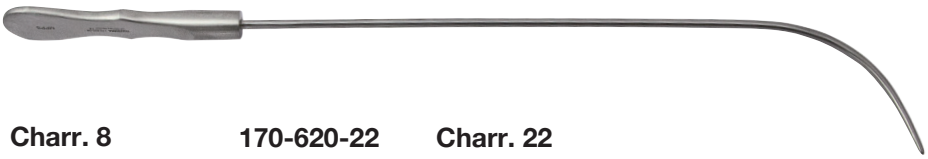
GUYON — **26,5 cm; 10 3/8"**



170-610-10	Charr. 10	170-610-17	Charr. 17	170-610-24	Charr. 24
170-610-11	Charr. 11	170-610-18	Charr. 18	170-610-25	Charr. 25
170-610-12	Charr. 12	170-610-19	Charr. 19	170-610-26	Charr. 26
170-610-13	Charr. 13	170-610-20	Charr. 20	170-610-27	Charr. 27
170-610-14	Charr. 14	170-610-21	Charr. 21	170-610-28	Charr. 28
170-610-15	Charr. 15	170-610-22	Charr. 22	170-610-29	Charr. 29
170-610-16	Charr. 16	170-610-23	Charr. 23	170-610-30	Charr. 30

170-610-00 **Set mit 21 Bougies und 4 Gleitsonden im Metalletui**
Set with 21 sounds and 4 filiform bougies in metal case
Set con 21 bujías y 4 sondas filiformes en caja metálica
Kit avec 21 bougies et 4 bougies filiformes en bôite métal
Set con 21 candelette e 4 candeletti filiforme in contenitore metallico

VAN BUREN — **27,0 cm; 10 5/8"**

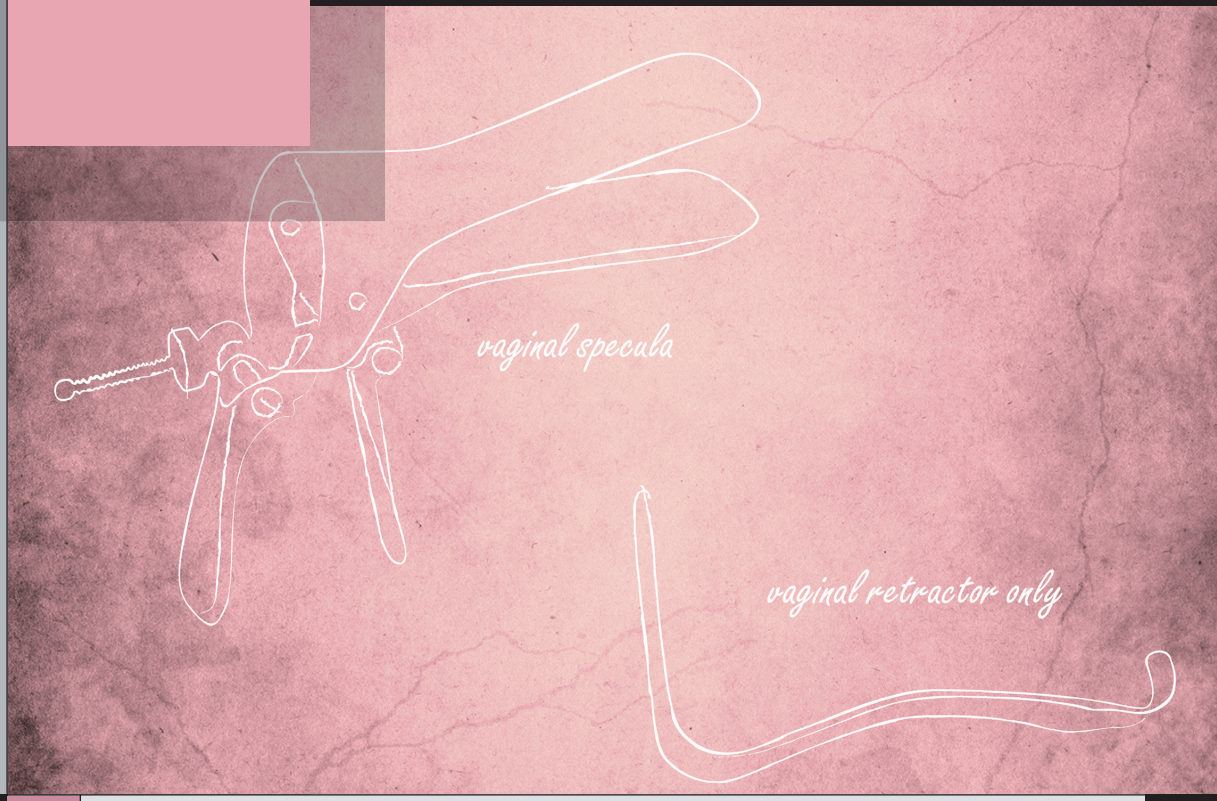


170-620-08	Charr. 8	170-620-22	Charr. 22
170-620-10	Charr. 10	170-620-24	Charr. 24
170-620-12	Charr. 12	170-620-26	Charr. 26
170-620-14	Charr. 14	170-620-28	Charr. 28
170-620-16	Charr. 16	170-620-30	Charr. 30
170-620-18	Charr. 18	170-620-32	Charr. 32
170-620-20	Charr. 20	170-620-34	Charr. 34
		170-620-36	Charr. 36

170-620-99 **Set mit 15 Bougies; 8 Charr.- 36 Charr.**
Set with 15 sounds; 8 Charr.- 36 Charr.
Set con 15 bujías; 8 Charr.- 36 Charr.
Kit avec 15 bougies; 8 Charr.- 36 Charr.
Set con 15 candelette; 8 Charr.- 36 Charr.

TONTARRA

OPEN SURGERY



Gynäkologie

Gynecology

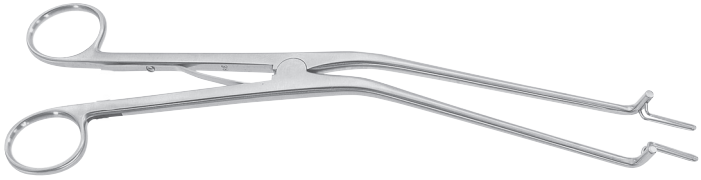
Ginecologia

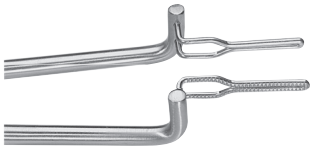
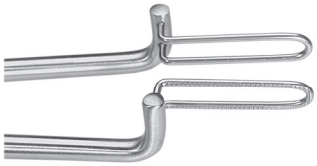
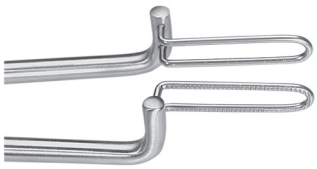
Gynécologie

Ginecologia

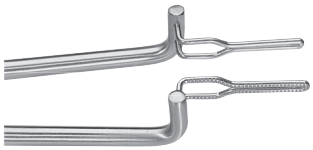
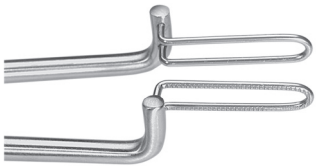
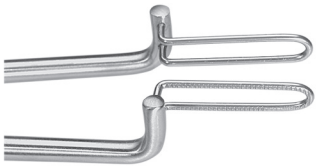
180

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	KOGAN	**28,0 cm; 11"**	
	ohne Sperre | without ratchet | sin bloqueo | sans crémaillère | senza cremagliera		



180-090-03		**3,0 mm**	
180-090-04		**4,0 mm**	
180-090-05		**5,0 mm**	
	KOGAN	**24,5 cm; 9 5/8"**	
	mit Skalensperre | with ratchet | con bloqueo | avec crémaillère | con cremagliera		



180-092-03		**3,0 mm**	
180-092-04		**4,0 mm**	
180-092-05		**5,0 mm**	

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	GRAVE		
180-100-01	75 x 20 mm		
180-100-02	95 x 35 mm		
180-100-03	115 x 35 mm		



	PEDERSON		
180-120-01	75 x 13 mm		
180-120-02	100 x 22 mm		
180-120-03	120 x 25 mm		



	COLLIN		
180-130-01	85 x 30 mm		
180-130-02	100 x 35 mm		
180-130-03	110 x 40 mm		



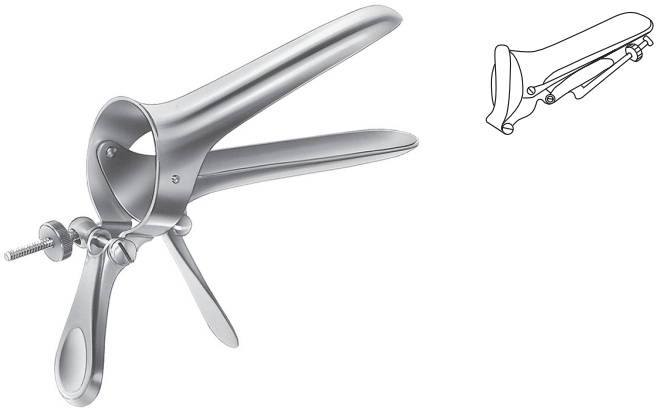
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
180-132-00	**COLLIN**	**65 x 20 mm**	
	für Jungfrauen | for virgins | para virgenes | pour vierges | per vergini		



180-134-00	**COLLIN**	**65 x10 mm**	
	für Kinder | for children | para niñas | pour enfants | per bambini		



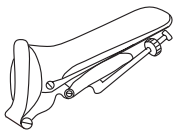
180-140-00	**CUSCO für Jungfrauen**	**75 x 17 mm**	
	für Jungfrauen | for virgins | para virgenes | pour vierges | per vergini		



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

CUSCO



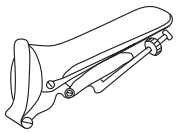


180-140-01	**75 x 32 mm**
180-140-02	**85 x 36 mm**
180-140-03	**95 x 37 mm**

CUSCO

mit Sperre | with ratchet | con bloqueo | avec crémaillère | con cremagliera



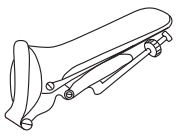


180-144-01	**75 x 32 mm**
180-144-02	**85 x 35 mm**
180-144-03	**95 x 37 mm**

CUSCO

Schweizer Modell | Suisse pattern | Modelo suizo | Modèle suisse | Modello svizzera





180-146-01	**90 x 23 - 25 mm**
180-146-02	**100 x 25 - 27 mm**
180-146-03	**110 x 27 - 30 mm**

Art.Nr.	Beschreibung | *Description*		*Size*	*Spez.*
180-160-00	**WEISSBARTH**	**mit abnehmbarem Auffangsieb** **with detachable strainer** con tamiz desmontable avec tamis de capture démontable con crivello smontabile	**80 x 42 mm**	



180-170-00	**AUVARD**	**mit abnehmbarem Gewicht** **with detachable weight** con peso desmontable avec poids démontable con peso smontabile	**75 x 38 mm**	



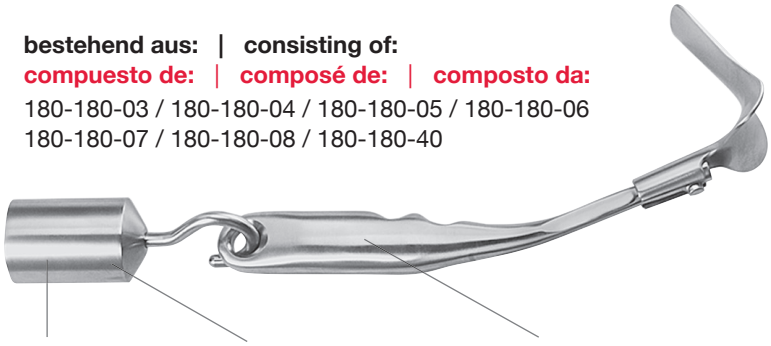
TRELAT

180-190-01	85 x 33 mm
180-190-02	95 x 35 mm
180-190-03	115 x 43 mm



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
180-180-00	**SCHERBAK**		SET

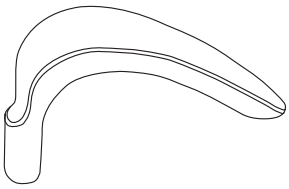
bestehend aus: | consisting of:
compuesto de: | composé de: | composto da:
180-180-03 / 180-180-04 / 180-180-05 / 180-180-06
180-180-07 / 180-180-08 / 180-180-40



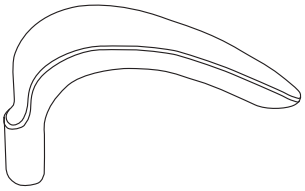
180-180-40
Gewicht allein
Weight only
Peso solo
Poid seul
Peso solo
400 g

180-180-80
Gewicht allein
Weight only
Peso solo
Poid seul
Peso solo
800 g

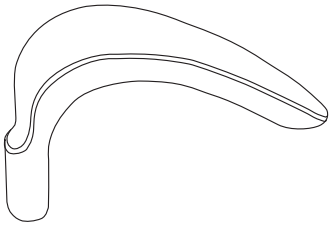
180-180-03
Griff allein
Handle only
Mango solo
Manche seul
Manico solo



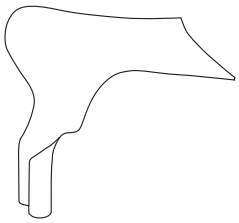
180-180-04
Valve allein
Valve only
Valva sola
Valve seul
Valva sola
80 x 30 mm



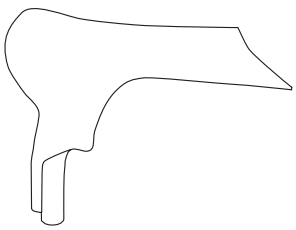
180-180-05
Valve allein
Valve only
Valva sola
Valve seul
Valva sola
85 x 35 mm



180-180-06
Valve allein
Valve only
Valva sola
Valve seul
Valva sola
90 x 40 mm



180-180-07
Valve allein
Valve only
Valva sola
Valve seul
Valva sola
55 x 40 - 60 mm



180-180-08
Valve allein
Valve only
Valva sola
Valve seul
Valva sola
70 x 45 - 70 mm

Art.Nr.	Beschreibung | *Description*		*Size*	*Spez.*
	KRISTELLER			SET
	flaches Spekulum | flat speculum | espéculo plano | spéculum plat | specolo piatto			
180-220-01	**Fig. 1**	**180-221-01 + 180-222-01**	**105 x 26 mm + 115 x 22 mm**	
180-220-02	**Fig. 2**	**180-221-02 + 180-222-02**	**105 x 28 mm + 115 x 24 mm**	
180-220-03	**Fig. 3**	**180-221-03 + 180-222-03**	**105 x 33 mm + 115 x 29 mm**	



	KRISTELLER		
180-221-01	**Fig. 1**	**105 x 26 mm**	
180-221-02	**Fig. 2**	**105 x 28 mm**	
180-221-03	**Fig. 3**	**105 x 33 mm**	



	KRISTELLER		
180-222-01	**Fig. 1**	**115 x 22 mm**	
180-222-02	**Fig. 2**	**115 x 24 mm**	
180-222-03	**Fig. 3**	**115 x 29 mm**	



Art.Nr.	Beschreibung | *Description*		*Size*	*Spez.*
	KRISTELLER			SET
	tiefes Spekulum | deep speculum | espéculo profundo | spéculum profond | specolo profondo			
180-230-01	**Fig. 1**	**180-231-01 + 180-232-02**	**110 x 27 mm + 115 x 23 mm**	
180-230-02	**Fig. 2**	**180-231-02 + 180-232-02**	**110 x 30 mm + 115 x 26 mm**	
180-230-03	**Fig. 3**	**180-231-03 + 180-232-03**	**110 x 36 mm + 115 x 32 mm**	



	KRISTELLER		
180-231-01	**Fig. 1**	**110 x 27 mm**	
180-231-02	**Fig. 2**	**110 x 30 mm**	
180-231-03	**Fig. 3**	**110 x 36 mm**	



	KRISTELLER		
180-232-01	**Fig. 1**	**115 x 23 mm**	
180-232-02	**Fig. 2**	**115 x 26 mm**	
180-232-03	**Fig. 3**	**115 x 32 mm**	



Art.Nr.	Beschreibung | *Description*		*Size*	*Spez.*
	KRISTELLER			SET
180-234-01	Fig. 1	180-235-01 + 180-236-01 70 x 27 mm + 75 x 23 mm		
180-234-02	Fig. 2	180-235-02 + 180-236-02 80 x 30 mm + 85 x 26 mm		
180-234-03	Fig. 3	180-235-03 + 180-236-03 90 x 36 mm + 100 x 32 mm		



	KRISTELLER			
180-235-01	Fig. 1	70 x 27 mm		
180-235-02	Fig. 2	80 x 30 mm		
180-235-03	Fig. 3	90 x 36 mm		



	KRISTELLER			
180-236-01	Fig. 1	75 x 23 mm		
180-236-02	Fig. 2	85 x 26 mm		
180-236-03	Fig. 3	100 x 32 mm		



Art.Nr.	Beschreibung | *Description*		*Size*	*Spez.*
	KRISTELLER			SET
	für Jungfrauen | for virgins | para virgenes | pour vierges | per vergini			
180-237-01	**Fig. 1**	**180-238-01 + 180-239-01** **105 x 18 mm + 110 x 14 mm**		
180-237-02	**Fig. 2**	**180-238-02 + 180-239-02** **105 x 21 mm + 115 x 17 mm**		



	KRISTELLER			
180-238-01	**Fig. 1**	**105 x 18 mm**		
180-238-02	**Fig. 2**	**105 x 21 mm**		



	KRISTELLER			
180-239-01	**Fig. 1**	**110 x 14 mm**		
180-239-02	**Fig. 1**	**110 x 17 mm**		



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

DOYEN

leicht hohl | slightly concave | cóncavo ligero | un peu concave | concavo leggero



180-260-01	60 x 35 mm	180-261-01	60 x 45 mm	180-262-01	55 x 60 mm
180-260-02	90 x 35 mm	180-261-02	90 x 45 mm	180-262-02	85 x 60 mm
180-260-03	120 x 35 mm	180-261-03	120 x 45 mm	180-262-03	115 x 60 mm
		180-261-04	160 x 45 mm	180-262-04	160 x 60 mm

JACKSON



180-290-01	75 x 38 mm
180-290-02	90 x 38 mm
180-290-03	100 x 38 mm

Art.Nr.	Beschreibung | *Description*		*Size*	*Spez.*
	KALLMORGEN			SET
180-270-01	**Fig. 1**	**180-271-01 + 180-272-01** **70 x 40 mm + 75 x 33 mm**		
180-270-02	**Fig. 2**	**180-271-02 + 180-272-02** **90 x 40 mm + 95 x 33 mm**		



	KALLMORGEN			
180-271-01	**Fig. 1**	**70 x 40 mm**		
180-271-02	**Fig. 2**	**90 x 40 mm**		



	KALLMORGEN			
180-272-01	**Fig. 1**	**75 x 33 mm**		
180-272-02	**Fig. 2**	**95 x 33 mm**		



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	SIMS		
	doppelendig | double ended | doble | double | doppio		
180-294-01	65 x 25 mm + 70 x 30 mm		
180-294-02	70 x 30 mm + 70 x 35 mm		
180-294-03	85 x 35 mm + 90 x 40 mm		



	LANDAU		
	bajonettförmig | bayonet | bayoneta | en forme de baïonette | baionetta		
180-305-01	100 x 28 mm		
180-305-02	100 x 38 mm		



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	BREISKY		
	bajonettförmig | bayonet | bayoneta | en forme de baïonette | baionetta		
			
180-307-20	100 x 20 mm	29,5 cm; 11 5/8"	
180-307-25	100 x 25 mm		
180-307-30	100 x 30 mm		
180-307-35	100 x 35 mm		
180-307-40	100 x 40 mm		
180-308-20	130 x 20 mm	32,0 cm; 12 5/8"	
180-308-25	130 x 25 mm		
180-308-30	130 x 30 mm		
180-308-35	130 x 35 mm		
180-308-40	130 x 40 mm		
180-309-40	155 x 40 mm	35,0 cm; 13 6/8"	
180-315-23	**DOYEN**	23,0 cm; 9"	
	60 x 30 mm		
180-315-25	**DOYEN**	25,0 cm; 9 7/8"	
	80 x 30 mm		

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	HEGAR	**18,5 cm; 7 2/8"**	



180-350-01	Ø 1,0 mm	180-350-16	Ø 16,0 mm
180-350-02	Ø 2,0 mm	180-350-17	Ø 17,0 mm
180-350-03	Ø 3,0 mm	180-350-18	Ø 18,0 mm
180-350-04	Ø 4,0 mm	180-350-19	Ø 19,0 mm
180-350-05	Ø 5,0 mm	180-350-20	Ø 20,0 mm
180-350-06	Ø 6,0 mm	180-350-21	Ø 21,0 mm
180-350-07	Ø 7,0 mm	180-350-22	Ø 22,0 mm
180-350-08	Ø 8,0 mm	180-350-23	Ø 23,0 mm
180-350-09	Ø 9,0 mm	180-350-24	Ø 24,0 mm
180-350-10	Ø 10,0 mm	180-350-25	Ø 25,0 mm
180-350-11	Ø 11,0 mm	180-350-26	Ø 26,0 mm
180-350-12	Ø 12,0 mm	180-350-27	Ø 27,0 mm
180-350-13	Ø 13,0 mm	180-350-28	Ø 28,0 mm
180-350-14	Ø 14,0 mm	180-350-29	Ø 29,0 mm
180-350-15	Ø 15,0 mm	180-350-30	Ø 30,0 mm

HEGAR

SET

180-350-98 **Satz mit 14 Stück von 4,0 bis 17,0 mm im Metalletui**
Set of 14 pieces from 4,0 to 17,0 mm in metal case
Juego de 14 piezas de 4,0 a 17,0 mm en caja metálica
Kit avec 14 pièces de 4,0 jusqu´áu 17,0 mm en boíte métallique
Serie di 14 pezzi da 4,0 a 17,0 mm in scatola metallica

180-350-99 **Satz mit 26 Stück von 1,0 bis 26,0 mm im Metalletui**
Set of 26 pieces from 1,0 to 26,0 mm in metal case
Juego de 26 piezas de 1,0 a 26,0 mm en caja metálica
Kit avec 26 pièces de 1,0 jusqu´áu 26,0 mm en boíte métallique
Serie di 26 pezzi da 1,0 a 26,0 mm in scatola metallica



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	HEGAR	**18,5 cm; 7 2/8"**	



180-351-01	Ø 1,5 mm	180-351-07	Ø 7,5 mm	180-351-13	Ø 13,5 mm
180-351-02	Ø 2,5 mm	180-351-08	Ø 8,5 mm	180-351-14	Ø 14,5 mm
180-351-03	Ø 3,5 mm	180-351-09	Ø 9,5 mm	180-351-15	Ø 15,5 mm
180-351-04	Ø 4,5 mm	180-351-10	Ø 10,5 mm	180-351-16	Ø 16,5 mm
180-351-05	Ø 5,5 mm	180-351-11	Ø 11,5 mm	180-351-17	Ø 17,5 mm
180-351-06	Ø 6,5 mm	180-351-12	Ø 12,5 mm	180-351-18	Ø 18,5 mm
				180-351-19	Ø 19,5 mm

	HEGAR	**20,0 cm; 8"**



180-354-01	Ø 1,0/2,0 mm	180-354-13	Ø 13,0/14,0 mm
180-354-03	Ø 3,0/4,0 mm	180-354-15	Ø 15,0/16,0 mm
180-354-05	Ø 5,0/6,0 mm	180-354-17	Ø 17,0/18,0 mm
180-354-07	Ø 7,0/8,0 mm	180-354-19	Ø 19,0/20,0 mm
180-354-09	Ø 9,0/10,0 mm	180-354-21	Ø 21,0/22,0 mm
180-354-11	Ø 11,0/12,0 mm	180-354-23	Ø 23,0/24,0 mm
		180-354-25	Ø 25,0/26,0 mm

180-354-98	**HEGAR**	**Ø 3/4 mm - 17/18 mm**

Satz mit 8 Stück von 3,0/4,0 bis 17,0/18,0 mm
in auskochbarer Stoffrolltasche
Set of 8 pieces from 3,0/4,0 to 17,0/18,0 mm
in boilable canvas roll
Juego de 8 piezas de 3,0/4,0 a 17,0/18,0 mm
en bolsa de tela esterilizable por ebullición
Kit avec 8 pièces de 3,0 / 4,0 jusqu'au 17,0 / 18,0 mm
en pochette enroulé, pour stérilisation par ébullition
Serie di 8 pezzi da 3,0/4,0 fino a 17,0/18,0 mm
in busta di tela sterilizzabile



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

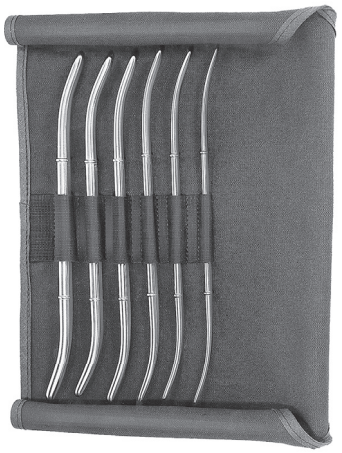
HANK



180-360-05	Fig. 9/10 (Ø 4,5/5,0 mm)	180-360-08	Fig. 15/16 (Ø 7,5/8,0 mm)
180-360-06	Fig. 11/12 (Ø 5,5/6,0 mm)	180-360-09	Fig. 17/18 (Ø 8,5/9,0 mm)
180-360-07	Fig. 13/14 (Ø 6,5/7,0 mm)	180-360-10	Fig. 19/20 (Ø 9,5/10,0 mm)

180-360-98 **HANK**

Satz mit 6 Stück von 4,5/5,0 bis 9,5/10,0 mm
in auskochbarer Stoffrolltasche
Set of 6 pieces from 4,5/5,0 to 9,5/10,0 mm
in boilable canvas roll
Juego de 6 piezas de 4,5/5,0 a 9,5/10,0 mm
en bolsa de tela esterilizable por ebullición
Kit avec 6 pièces de 4,5/5,0 jusqu'au 9,5/10,0 mm
en pochette enroulé, pour stérilisation par ébullition
Serie da 6 pezzi da 4,5/5,0 fino a 9,5/10,0 mm
in busta di tela sterilizzabile



PRATT



180-370-05	13/15 (Ø 4,5/5,0 mm)	180-370-10	29/31 (Ø 9,6/10,3 mm)
180-370-06	17/19 (Ø 5,6/6,3 mm)	180-370-12	33/35 (Ø 11,0/11,6 mm)
180-370-08	21/23 (Ø 7,0/7,6 mm)	180-370-13	37/39 (Ø 12,3/13,0 mm)
180-370-09	25/27 (Ø 8,3/9,0 mm)	180-370-14	41/43 (Ø 13,6/14,3 mm)

180-370-98 **PRATT**

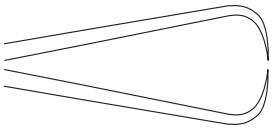
Satz mit 8 Stück von 4,5/5,0 bis 13,6/14,3 mm
in auskochbarer Stoffrolltasche
Set of 8 pieces from 4,5/5,0 to 13,6/14,3 mm
in boilable canvas roll
Juego de 8 piezas de 4,5/5,0 a 13,6/14,3 mm
en bolsa de tela esterilizable por ebullición
Kit avec 8 pièces de 4,5/5,0 jusqu'au 13,6/14,3 mm
en pochette enroulé, pour stérilisation par ébullition
Serie da 8 pezzi da 4,5/5,0 fino a 13,6/14,3 mm
in busta di tela sterilizzabile



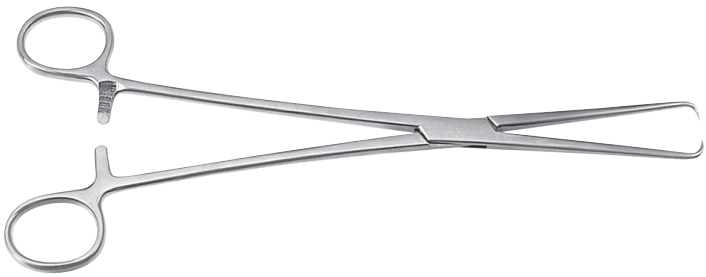
Hakenzangen
Uterine Tenaculum Forceps
Pinzas para cuello uterino
Pince pour le col de l'utérus
Pinza per il collo dell'utero

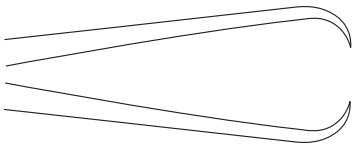
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
180-400-25	SCHRÖDER	25,5 cm; 10"	





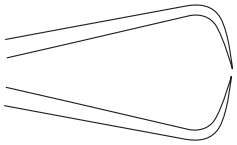
180-402-26	POZZI	26,0 cm; 10 2/8"	





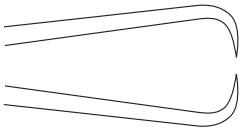
180-404-25	BRAUN	26,0 cm; 10 2/8"	



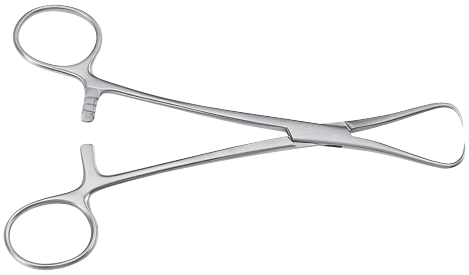


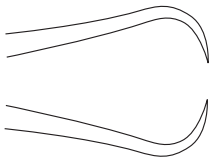
180-410-18	BARRETT	18,0 cm; 7 1/8"	





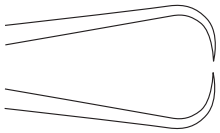
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
180-412-19	**ADAIR**	**19,0 cm; 7 1/2"**	





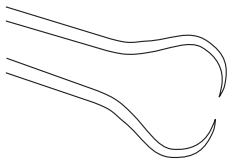
180-419-28	**DUPLAY**	**28,0 cm; 11"**	
	s-förmig | s-shaped | forma s **|** s-form **|** forma s		



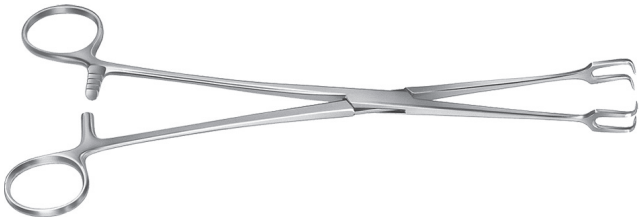


180-423-24	**SKENE**	**24,0 cm; 9 4/8"**	
	gebogen | curved | curva **|** courbe **|** curva		

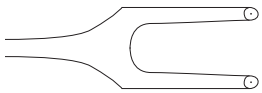




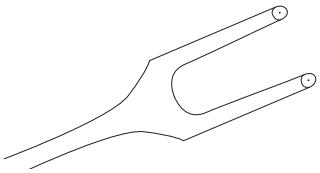
	SCHRÖDER	**24,0 cm; 9 4/8"**	



180-426-24	**gerade | straight |** recta **|** droite **|** retta		



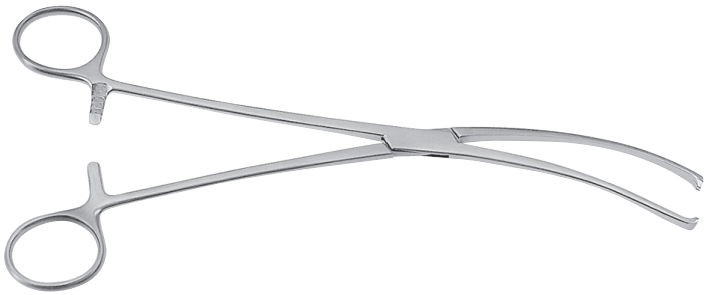
180-429-24	**gebogen | curved |** curva **|** courbe **|** curva		



Hakenzangen
Uterine Tenaculum Forceps
Pinzas para cuello uterino
Pince pour le col de l'utérus
Pinza per il collo dell'utero

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
180-431-23	**TEALE**	23,0 cm; 9"	3 x 4

gebogen | curved | curva | courbe | curva

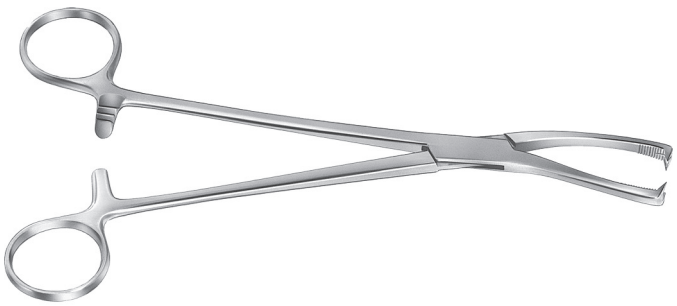


180-434-21	**JACOBS**	21,0 cm; 8 2/8"	2 x 2



180-435-21	**JACOBS**	21,0 cm; 8 2/8"	2 x 2

gebogen | curved | curva | courbe | curva

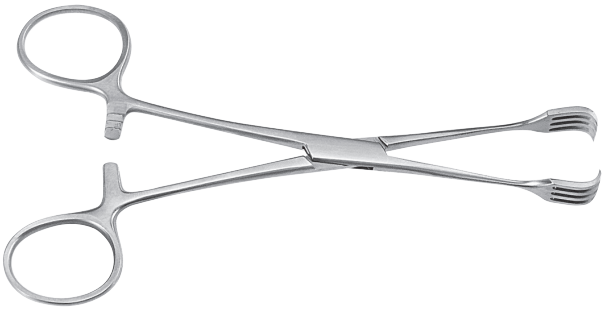


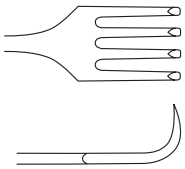
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	MUSEUX	**24,0 cm; 9 4/8"**	



180-438-06	**6,0 mm**	
180-438-08	**8,0 mm**	
180-438-10	**10,0 mm**	

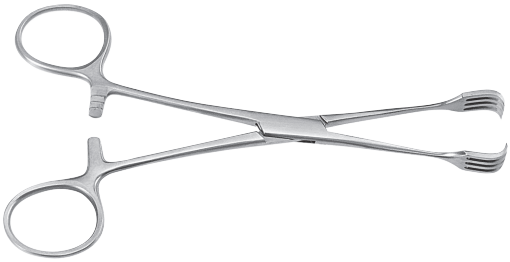
180-442-15	**BRAUN**	**16,0 cm; 6 2/8"**	**4 x 4**

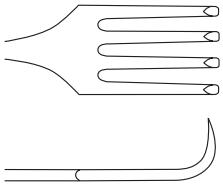




Hakenzangen
Uterine Tenaculum Forceps
Pinzas para cuello uterino
Pince pour le col de l'utérus
Pinza per il collo dell'utero

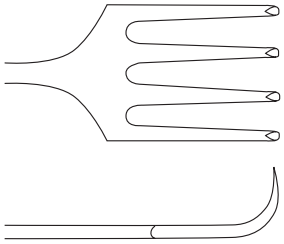
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
180-444-20	CZERNY	21,0 cm; 8 2/8"	4 x 4



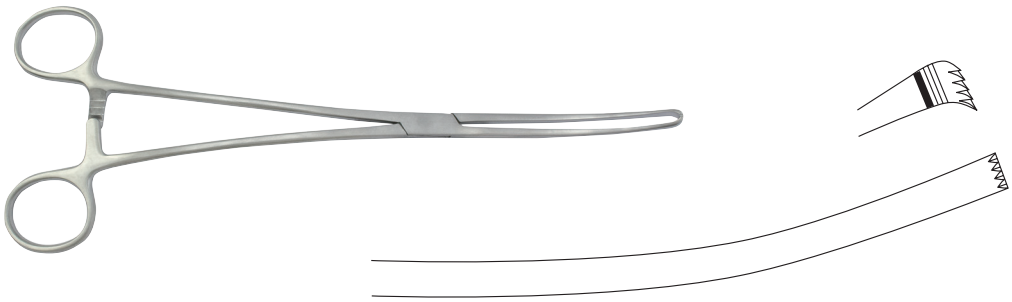


180-446-28	PRATT	28,0 cm; 11"	4 x 4



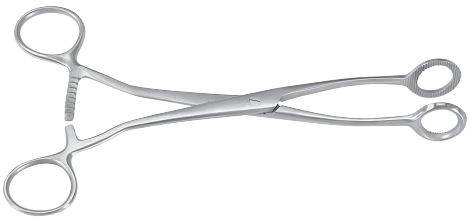


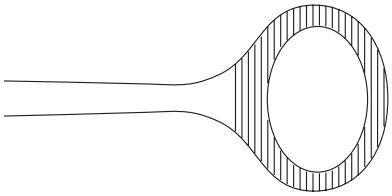
180-449-26	IOWA	26,0 cm; 10 2/8"



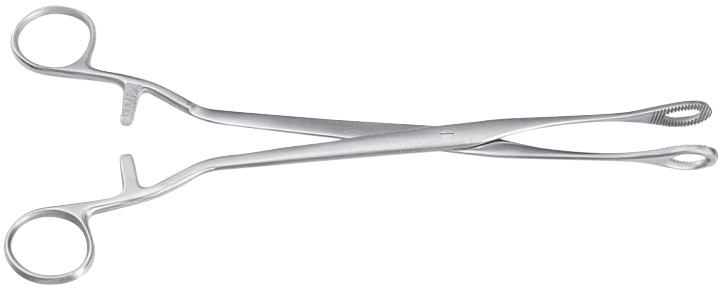
Polypen- und Ovarienzangen
Polypus Forcpes
Pinzas para pólipos
Pince pour polypes et ovaires
Pinze per polipi uterini

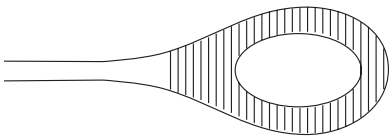
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
180-470-20	DOYEN	20,0 cm; 7 7/8"	





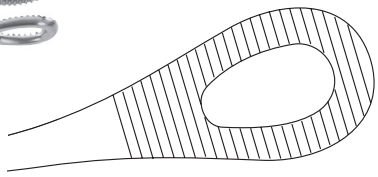
180-472-27	NOTO	27,0 cm; 10 5/8"	



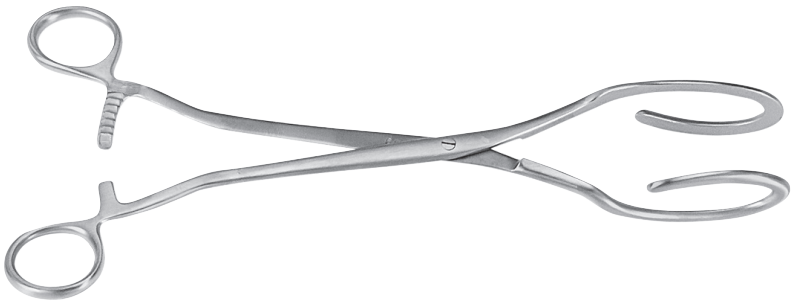


180-475-32	KELLY	32,0 cm; 12 3/8"	





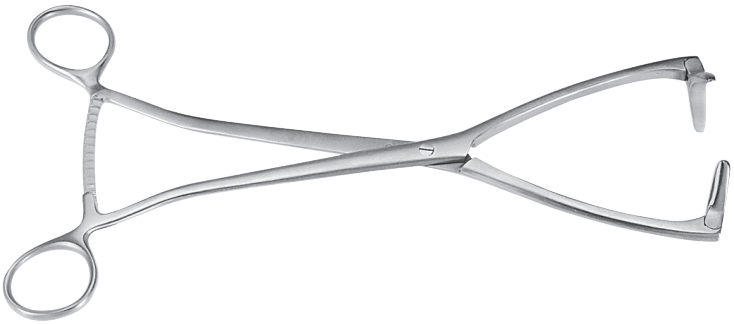
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
180-482-27	DARTIGUES	27,0 cm; 10 5/8"	



180-485-23	SOMER	23,0 cm; 8 7/8"	



180-488-25	COLLIN	26,5 cm; 10 3/8"	



Amniotome; Uterus-Depressoren
Amniotomes; Uterine Depressors
Amniótomos; Depresors uterinos
Amniotomes; Dépresseurs utérins
Amniotomos; Depressore uterino

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
180-500-26	**BEACHAM**	26,0 cm; 10 2/8"	



180-502-28	**BRAUN**	27,0 cm; 10 5/8"	



180-505-26	**SIMS**	26,0 cm; 10 2/8"	



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
180-510-32	**SIMS** **starr | rigid** | rígido | rigide | rigido	**33,0 cm; 13"**	



180-511-32	**SIMS** **biegsam | malleable** | maleable | malléable | malleabile	**33,0 cm; 13"**	



180-518-32	**MARTIN** **biegsam | malleable** | maleable | malléable | malleabile	**33,0 cm; 13"**	



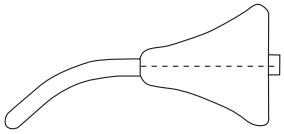
180-521-25	**VALLEIX**	**27,0 cm; 10 3/4"**	

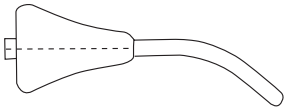


180-530-00	**COHEN** **Intra-Uterussonde komplett mit 2 Aufsätzen** **Intra-uterine sound complete with 2 tips** Intra-histerómetro completo con 2 conos Intra-Hystéromètre complet avec 2 pointes Intra-isterometri completo con 2 coni		



180-530-01	**Konus; gross** **Cone; big** Cono; grande Cône; grand Cono; grande	**180-530-02**	**Konus; klein** **Cone; small** Cono; pequeno Cône; petit Cono; piccolo





Biopsieküretten; Fistelhaken
Biopsy Curettes; Fistula Hook
Curetas para biopsia; Gancho para fistulas
Curettes de biopsie; Crochet pour fistules
Curette per biopsia; Uncini per fistole

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
180-543-30	**KEVORKIAN**	30,0 cm; 11 6/8"	

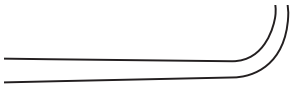
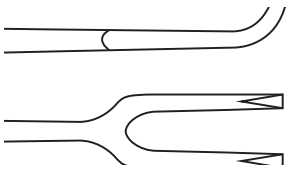


180-550-04	**NOVAK** **Saugkürette | Suction curette** Cureta aspiradora | Curette d'aspiration | Curette d'aspirazione	24,5 cm; 9 5/2"	



	SIMON	21,5 cm; 8 4/8"	

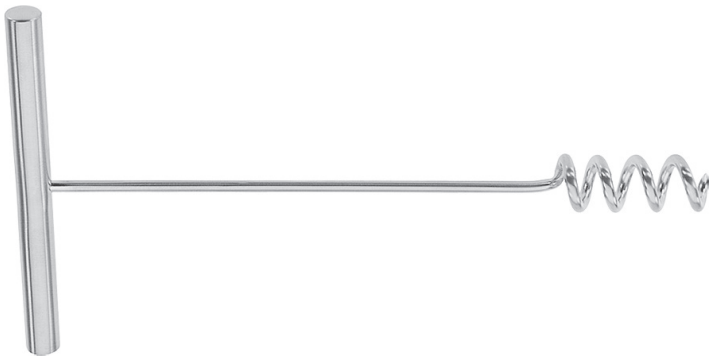


180-574-01		1 x 1	
180-574-02		2 x 2	
	EMMET	23,0 cm; 9"	



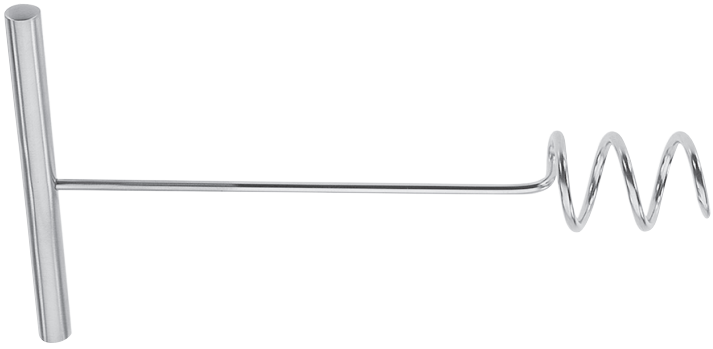
180-576-01	Fig. 1 	180-576-04	Fig. 4 
180-576-02	Fig. 2 		
180-576-03	Fig. 3 	180-576-05	Fig. 5 

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
180-588-01	**DOYEN**	**17,0 cm; 6 6/8"**	
	kleine Spirale | small twist | pequeno | spirale petite | piccolo		



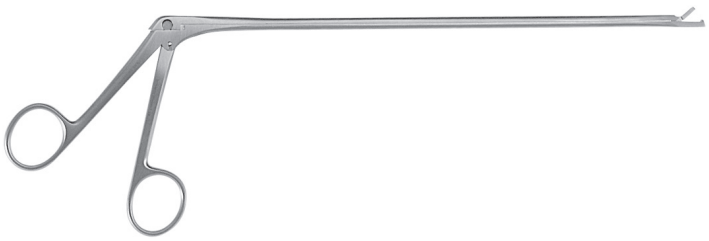
Ø 20,0 mm

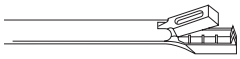
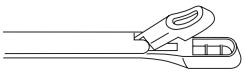
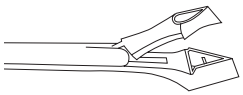
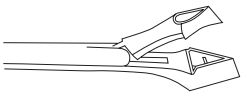
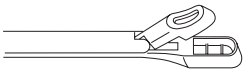
180-588-02	**DOYEN**	**17,0 cm; 6 6/8"**	
	große Spirale | big twist | grande | spirale grande | grande		



Ø 29,0 mm

Uterus-Biopsiezangen
Uterine Biopsy Forceps
Pinzas para biopsia uterina
Pince pour biopsie utérine
Pinze per biopsia uterina



Art.Nr.	Beschreibung | *Description*			*Size*	*Spez.*
180-602-25	KEVORKIAN	3,0 x 8,0 mm			25,4 cm; 10"
180-604-20	EPPENDORF	4,5 x 8,0 mm			20,0 cm; 8"
180-610-04	SCHUMACHER	4,0 mm			24,0 cm; 9 4/8"
180-610-06	SCHUMACHER	6,0 mm			24,0 cm; 9 4/8"
180-614-23	WITTNER	4,5 x 8,0 mm			23,0 cm; 8 7/8"
180-615-23	WITTNER	4,5 x 8,0 mm			23,0 cm; 8 7/8"



Art.Nr.	Beschreibung | *Description*			*Size*	*Spez.*
				21,0 cm; 8 2/8"	
180-630-10	TISCHLER	25,0 cm; 10"	7,0 x 3,0 mm		
180-630-12	BABY-TISCHLER		2,3 x 4,0 mm		
180-630-14	MINI-TOWNSEND		2,3 x 4,0 mm		
180-630-40	KEVORKIAN-PACIFIC		3,2 x 9,0 mm		
180-630-41	TISCHLER-KEVORKIAN		3,0 x 7,5 mm		
180-630-50	BURKE			21,0 cm; 8 2/8"	
			4,9 x 3,0 mm		

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

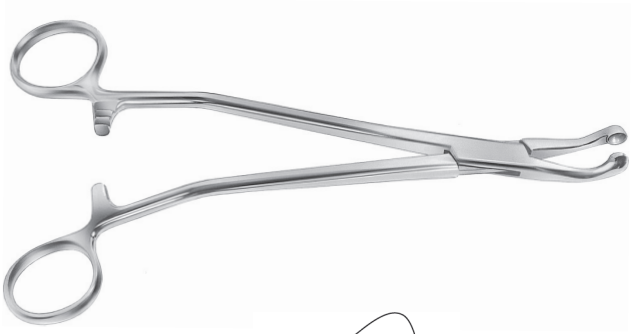
VAN DOREN

mit Sperre | with ratchet | con bloqueo | avec crémaillère | con cremagliera



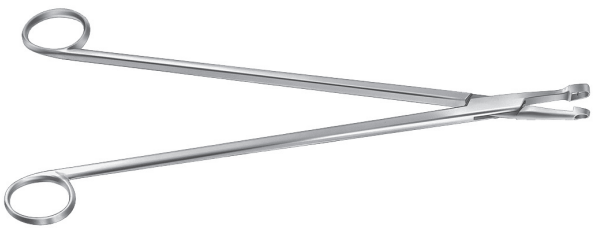
180-671-25	25,5 cm; 10,0"		4,9 mm

THOMS-GAYLOR



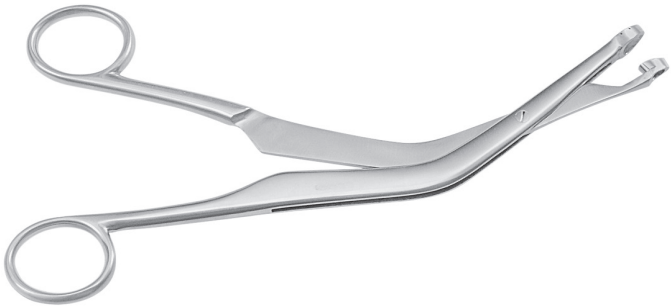
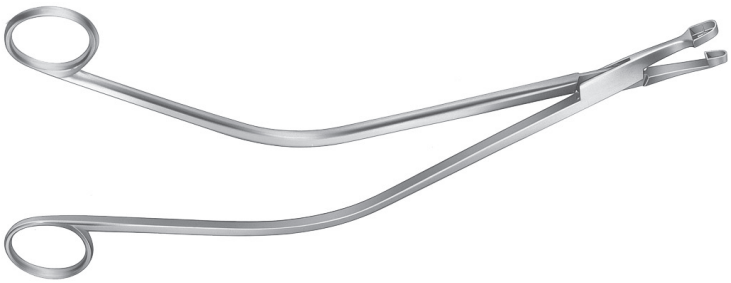
180-680-22	21,0 cm; 8 2/8"		5,5 mm
180-680-24	24,0 cm; 9 4/8"		

SCHUBERT



180-682-21	21,5 cm; 8 4/8"		4,5 x 8,0 mm
180-682-29	28,0 cm; 11,0"		

Uterus-Biopsiezangen
Uterine Biopsy Forceps
Pinzas para biopsia uterina
Pince pour biopsie utérine
Pinze per biopsia uterina

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
180-688-21	**FAURE**	21,0 cm; 8 2/8"	
		8,4 mm	
180-690-26	**SCHUBERT**	26,0 cm; 10 1/4"	
		5,0 mm	
180-693-23	**GELLHORN**	24,0 cm; 9 4/8"	
		8,6 mm	

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	RECAMIER (SIMS)	**31,0 cm; 12 2/8"**	



Breite; Fig. Width; Fig. Anchura; Fig. Largeur; Fig. Larghezza; Fig.	scharf; fest sharp; rigid cortante; rígido tranchante; rigide tagliente; rigido	scharf; biegsam sharp; malleable cortante; maleable tranchante; malléable tagliente; malleabile	stumpf; fest blunt; rigid romo; rígido mousse; rigide smusso; rigido	stumpf; biegsam blunt; malleable romo; maleable mousse; malléable smusso; malleabile
5,0 mm; Fig. 00	180-710-05	180-711-05	180-712-05	180-713-05
6,0 mm; Fig. 0	180-710-06	180-711-06	180-712-06	180-713-06
7,0 mm; Fig. 1	180-710-07	180-711-07	180-712-07	180-713-07
8,0 mm; Fig. 2	180-710-08	180-711-08	180-712-08	180-713-08
9,0 mm; Fig. 3	180-710-09	180-711-09	180-712-09	180-713-09
11,0 mm; Fig. 4	180-710-11	180-711-11	180-712-11	180-713-11
12,0 mm; Fig. 5	180-710-12	180-711-12	180-712-12	180-713-12
14,0 mm; Fig. 6	180-710-14	180-711-14	180-712-14	180-713-14
15,0 mm; Fig. 7	180-710-15	180-711-15	180-712-15	180-713-15
16,0 mm; Fig. 8	180-710-16	180-711-16	180-712-16	180-713-16
19,0 mm; Fig. 9	180-710-19	180-711-19	180-712-19	180-713-19
20,0 mm; Fig. 10	180-710-20	180-711-20	180-712-20	180-712-20
21,0 mm; Fig. 11	180-710-21	180-711-21	180-712-21	180-713-21
23,0 mm; Fig. 12	180-710-23	180-711-23	180-712-23	180-713-23
30,0 mm; Fig. 13	180-720-30	180-721-30	180-722-30	180-723-30
35,0 mm; Fig. 14	180-720-35	180-721-35	180-722-35	180-723-35
40,0 mm; Fig. 15	180-720-40	180-721-40	180-722-40	180-723-40

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*



Fig. 00



Fig. 0



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9



Fig. 10



Fig. 11



Fig. 12



Fig. 13



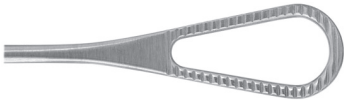
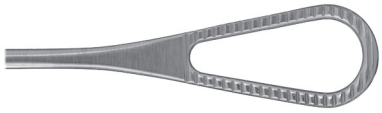
Fig. 14



Fig. 15

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	GREEN	**28,0 cm; 11"**	



180-724-10	**10,0 mm**	
180-724-12	**12,0 mm**	
180-724-14	**14,0 mm**	

180-750-27	**BLAKE**	**27,5 cm; 10 7/8"**

scharf; stumpf | **sharp; blunt** | cortante; romo | tranchante; mousse | tagliente; smusso





8,0 mm **13,0 mm**

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	SIMON	**24,0 cm; 9 4/8"**	





180-760-01



180-760-04



180-760-02



180-760-05



180-760-03



180-760-06



	SCHRÖDER	**30,0 cm; 11 6/8"**	



180-762-01



180-762-04



180-762-02



180-762-05



180-762-03



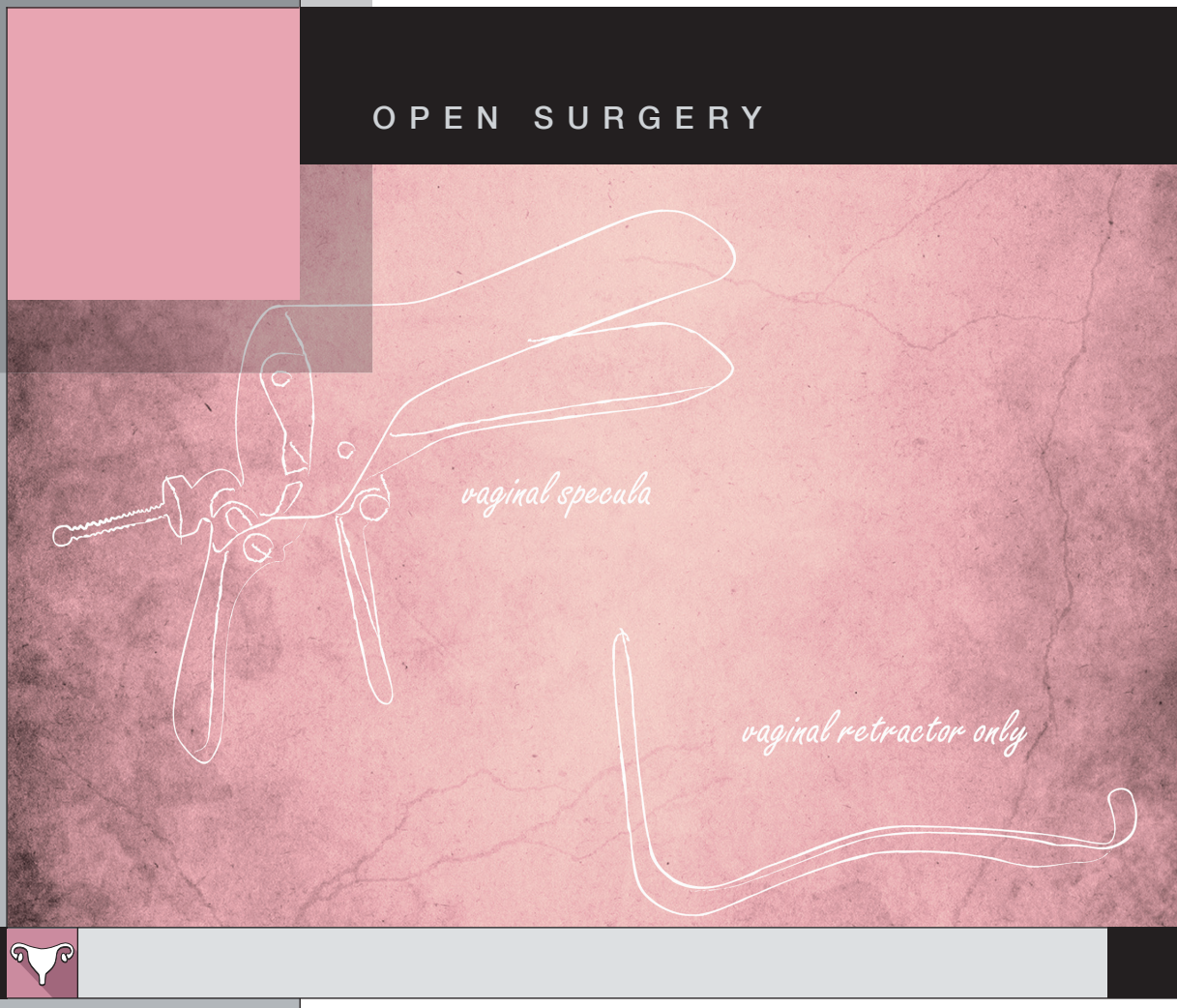
180-762-06





TONTARRA

OPEN SURGERY



Gynäkologie

Gynecology

Ginecologia

Gynécologie

Ginecologia

181

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
181-034-30	SIMPSON	30,5 cm; 12"	



181-036-36	SIMPSON-BRAUN	36,5 cm; 14 2/8"	



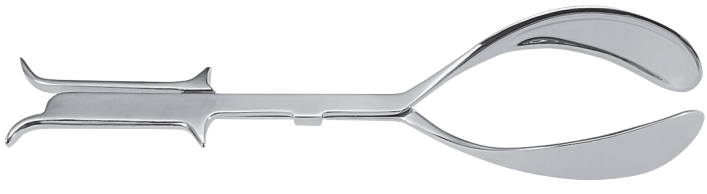
181-046-36	SIMPSON-LUIKART	36,5 cm; 14 2/8"	



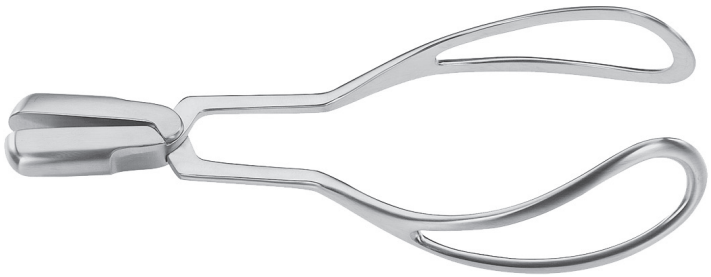
181-052-41	KIELLAND	40,0 cm; 15 6/8"	



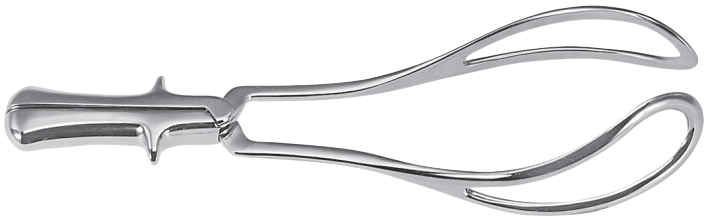
181-054-40	KIELLAND-LUIKART	40,0 cm; 15 6/8"	



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
181-056-28	**WRIGLEY**	28,0 cm; 11"	



181-058-30	**DE LEE**	30,5 cm; 12"	



181-058-36	**DE LEE**	36,5 cm; 14 2/8"	



181-060-44	**PIPER**	44,5 cm; 17 4/8"	



181-084-36	**NAEGELE**	36,5 cm; 14 2/8"	

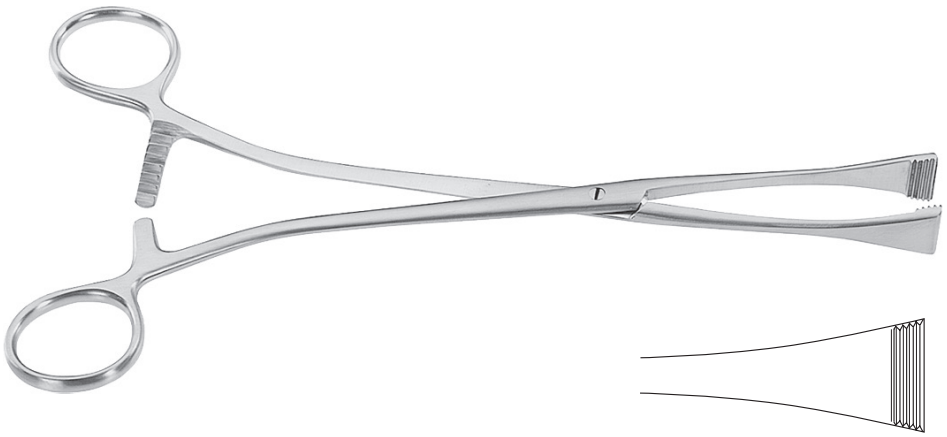


Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
181-084-40	**NAEGELE**	40,0 cm; 15 6/8"	



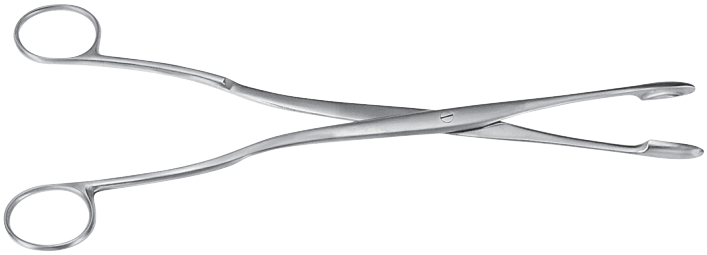
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
181-200-21	**GREEN-ARMYTAGE**	21,0 cm; 8 2/8"	

Klemmzange | Uterine clamp
Pinza uterina para hemostasis | Pince utérine pour hémostase | Pinza emostatiche per tagli cesarei



Abortuszangen; Abortuslöffel
Ovum Forceps; Placenta Scoops
Pinzas para aborto;Cucharilla para aborto
Pinces pour poste-abortum; Curette a placenta
Pinze per aborto; Cucchiai per placenta

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	WINTER	**28,0 cm; 11"**	



gerade | straight | recta | droite | retta

gebogen | curved | curva | courbe | curva

181-244-01



181-245-01



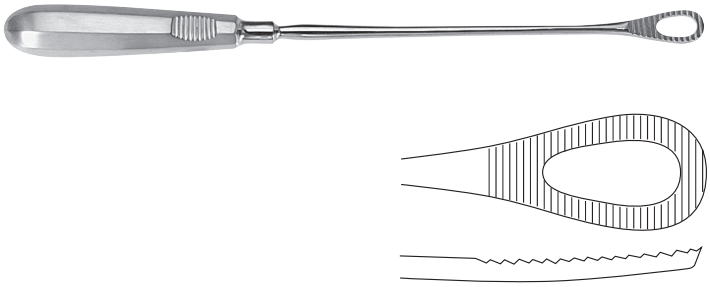
181-244-02



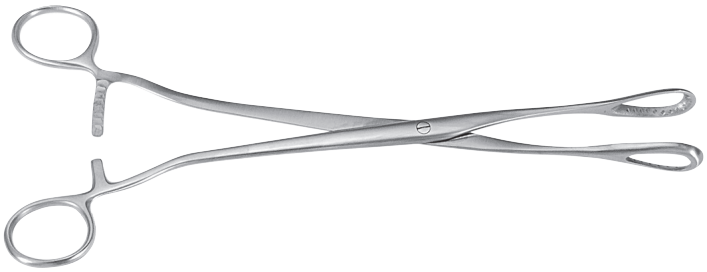
181-245-02



181-252-30	**PESTALOZZA**	**30,5 cm; 12"**	



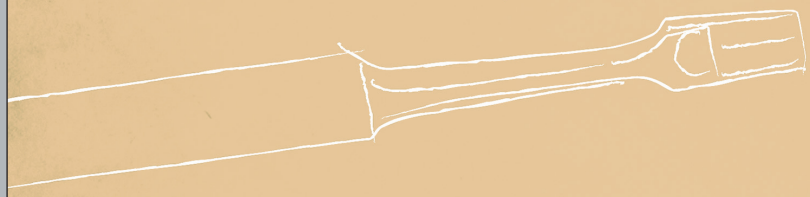
Abortuszangen; Beckenzirkel
Ovum Forceps; Pelvimeters
Pinza para aborto; Pelvimetro
Pinces pour poste-abortum; Curette pour avortement
Pinze per aborto; Pelvimetro

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	SAENGER		
			
181-260-27	**gerade | straigth** | recto | droite | retto	**27,5 cm; 10 7/8"**	
181-261-27	**gebogen | curved** | curva | courbe | curva	**27,5 cm; 10 7/8"**	
181-442-27	**NOTO**	**27,5 cm; 10 7/8"**	
			
181-600-34	**MARTIN**	**35,0 cm; 13 6/8"**	
	cm/Zoll-Skala | cm/inch-scale | cm/pulgadas | cm/pouces échelle | cm/pollici		
			

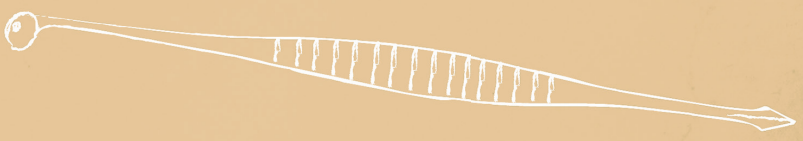
TONTARRA

OPEN SURGERY

dermal punches



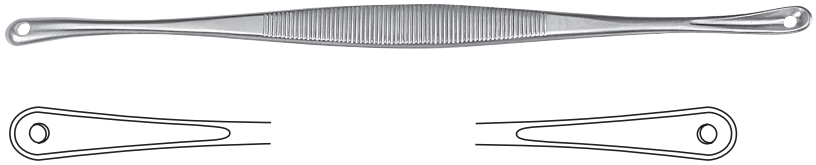
comedone extractors



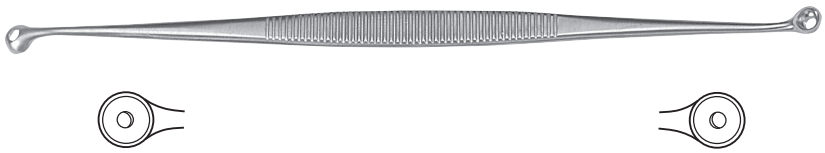
Dermatologie
Dermatology
Dermatologia
Dermatologie
Dermatologia

186

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
186-000-14	UNNA	14,0 cm; 5 4/8"	



186-002-14	UNNA	14,0 cm; 5 4/8"	



186-010-10	SAALFELD	11,0 cm, 4 3/8"	



186-012-14	SAALFELD	14,0 cm, 5 4/8"	



186-020-10	SCHAMBERG	9,5 cm, 3 6/8"	



186-022-16	KATSCH	16,0 cm, 6 2/8"	



Komedonen-Entferner; Lupuskürretten
Comedone Extractors; Lupus Curettes
Extractores para comedones; Curetas para lupus
Tire-comédons; Curette pour les lupus
Tiracomedoni; Curetta per lupus

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
186-025-11	**UNNA-VIDAL**	11,0 cm; 4 3/8"	



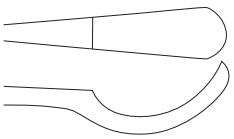
	FOX	14,0 cm; 5 4/8"	



186-100-03	3,0 mm	
186-100-04	4,0 mm	
186-100-05	5,0 mm	
186-100-06	6,0 mm	

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
186-104-13	**VIDAL**	**13,0 cm; 5 1/8"**	





	WOLFF	**14,0 cm; 5 4/8"**	



186-105-01	**Fig. 1**	
186-105-02	**Fig. 2**	
186-105-03	**Fig. 3**	
186-105-04	**Fig. 4**	
186-105-05	**Fig. 5**	
186-105-06	**Fig. 6**	

Hauttrephinen; Fingernagelbohrer
Dermal Punches; Finger Nail Drill
Trépanos para piel; Perforador para uñas
Trépans cutanés; Perforateur à angles
Trefine cutanee; Perforatore per unghie

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	KEYES	**11,0 cm; 4 3/8"**	



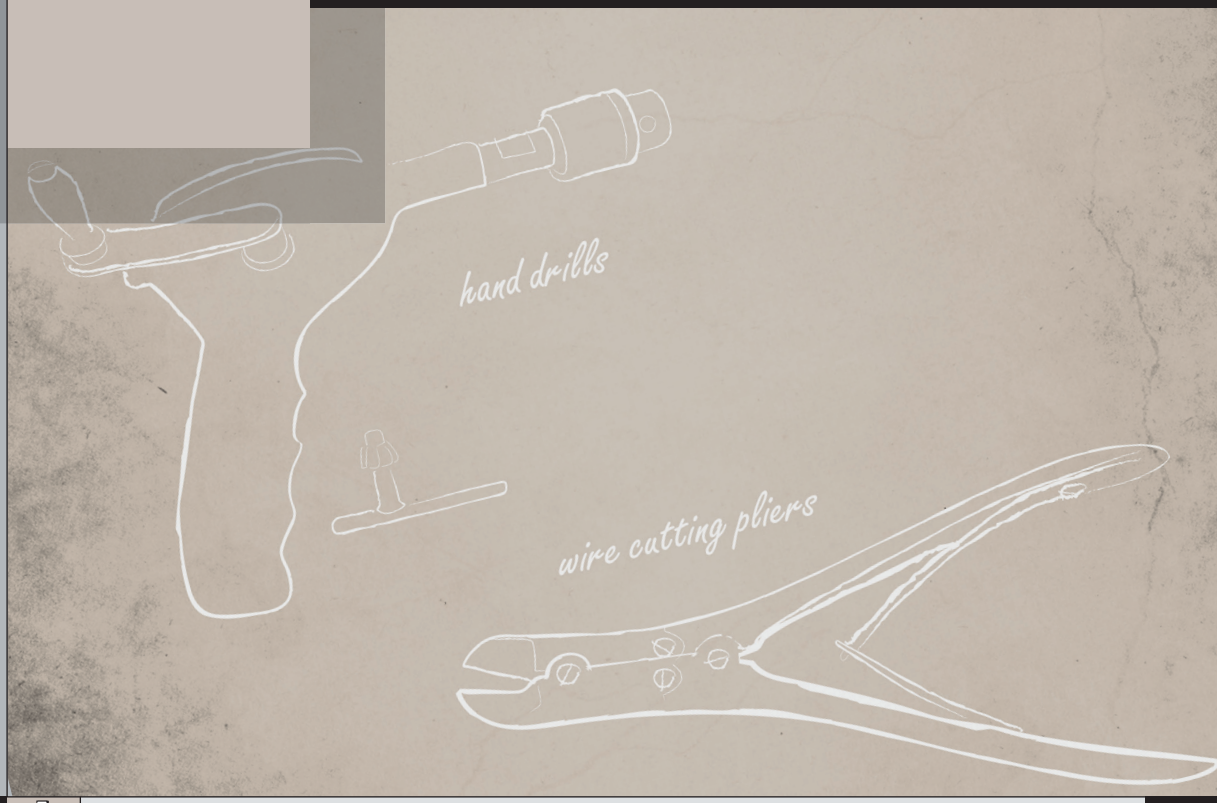
186-200-02	**2,0 mm**	○	**186-200-06**	**6,0 mm**	◯
186-200-03	**3,0 mm**	◯	**186-200-07**	**7,0 mm**	◯
186-200-04	**4,0 mm**	◯	**186-200-08**	**8,0 mm**	◯
186-200-05	**5,0 mm**	◯			

Fingerringsägen; Nagelextraktionszangen
Finger Ring Saws; Nail Extracting Forceps
Sierras para abrir anillos; Pinzas para arrancar uñas
Scies pour couper les bagues; Pinces pour extraire les ongles
Seghe per anelli; Pinze per la lacerazione delle unghie

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
186-420-17		14,5 cm; 5 3/4"	
186-420-01	**Ersatzsägeblatt** **Spare Saw Blade** Hoja de repuesto Lame de rechange Lama di ricambio		
186-430-16	**WALTON**	16,0 cm; 6 2/8"	
			
186-430-01	**Ersatzsägeblatt** **Spare Saw Blade** Hoja de repuesto Lame de rechange Lama di ricambio		
186-500-13	**RADOLF**	13,5 cm; 5 3/8"	
			

TONTARRA

OPEN SURGERY



Knochenchirurgie

Bone Surgery

Chirurgia óesa

Chirurgie osseuse

Chirurgia osseas

190

Gipsmesser; Gipssäge
Plaster Knives; Plaster Saws
Cuchillos para yeso; Sierras para yeso
Couteaux pour plâtre; Scies pour plâtre
Coltelli per gesso; Seghe per gesso

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
190-130-20	**HOPKINS** **mit Holzheft | with wooden handle** con mango de madera | avec manche en bois | con manico di legno	**20,0 cm; 7 7/8"**	



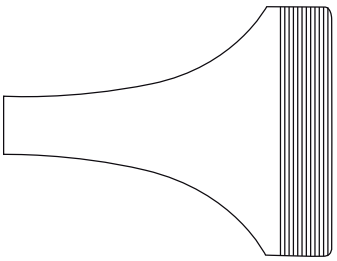
90-160-14	**ENGEL**	**15,0 cm; 57/8"**	



Gipsspreizer; Gipsabreißzangen
Plaster Spreaders; Plaster Breakers
Separadores para yeso; Pinzas para romper yeso
Pinces pour plâtre; Pinces pour rompre plâtre
Pinze per gesso; Pinze per rompere gesso

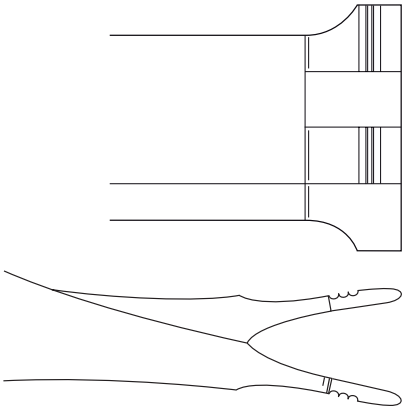
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
190-200-28	**HENNING**	28,0 cm; 11"	





190-220-23	**MODELL USA**	23,0 cm; 9"	

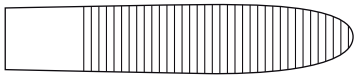




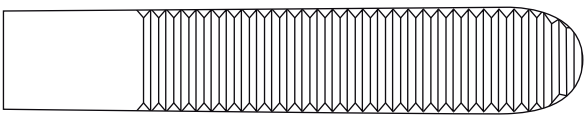
WOLFF



190-204-18	18,0 cm; 7"	

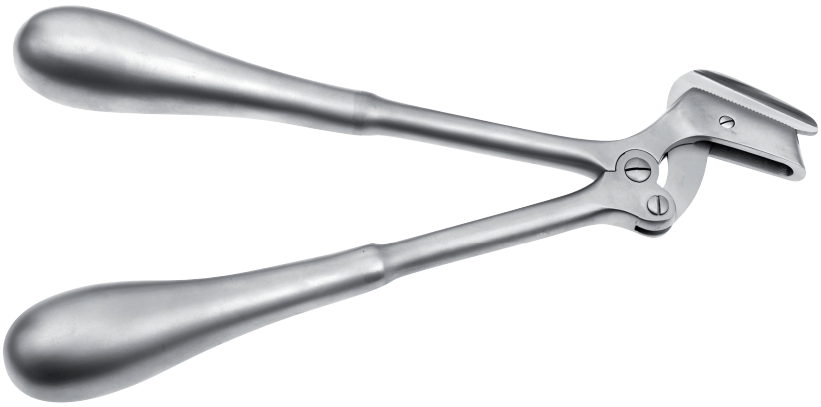


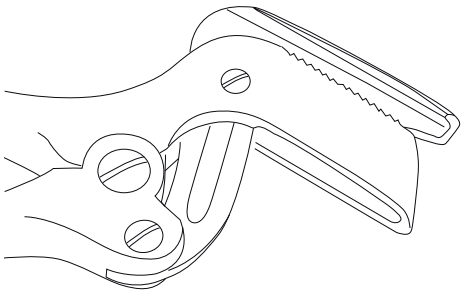
190-204-24	24,0 cm; 9 4/8"	



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

STILLE

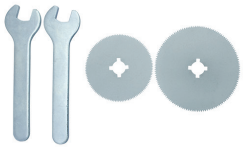




190-208-23	**23,0 cm; 9"**	
190-208-26	**26,0 cm; 10 5/8"**	
190-208-37	**37,0 cm; 15"**	

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	BLUEPOWER		SET





190-420-00

Gipssäge mit Sägeblätter für Synthetic Verbände 230 V; 50 HZ
Plaster Saw with blades for synthetic casts 230 V; 50 HZ
Sierra oscilante para vendaje dura 230 V; 50 HZ
Scie oscillante pour plâtre synthétique 230 V; 50 HZ
Sega oscillata per bendaggi duri 230 V; 50 HZ

komplett mit 2 Sägeblättern (190-408-50, 190-408-65) und 2 Schraubenschlüssel (190-420-99)
complete with 2 saw blades (190-408-50, 190-408-65) and 2 wrenches (190-420-99)
completo con 2 hojas de sierra (190-408-50, 190-408-65) y 2 llaves de tuercas (190-420-99)
complet avec 2 lames de scie (190-408-50, 190-408-65) et clé à écrou (190-420-99)
completa con 2 lame (190-408-50, 190-408-65) e 2 chiavi (190-420-99)

190-420-01

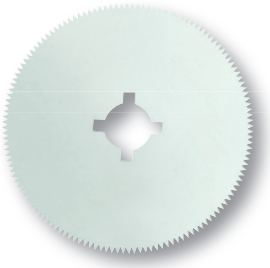
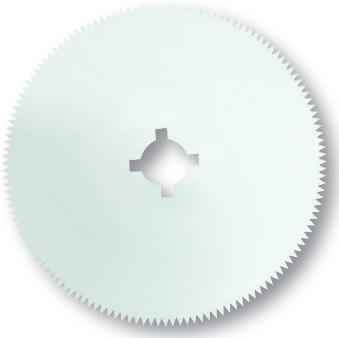
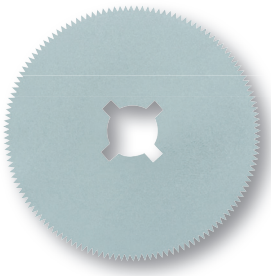
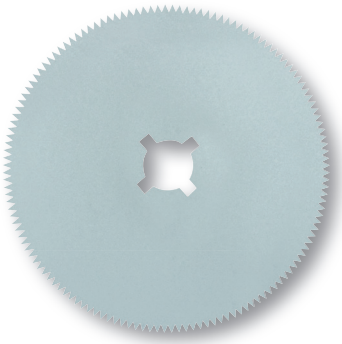
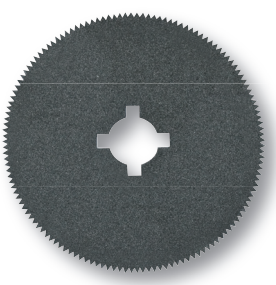
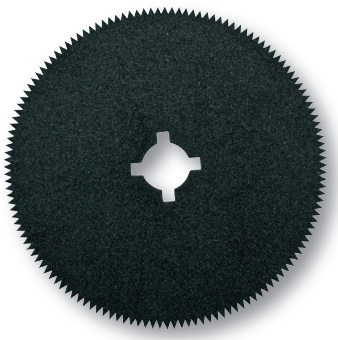
Gipssäge mit Sägeblätter für Naturgipsverbände 230 V; 50 HZ
Plaster Saw with blades for plaster of paris 230 V; 50 HZ
Sierra oscilante para vendaje enyesado 230 V; 50 HZ
Scie oscillante pour plâtre régulier 230 V; 50 HZ
Sega oscillata per ingessatura 230 V; 50 HZ

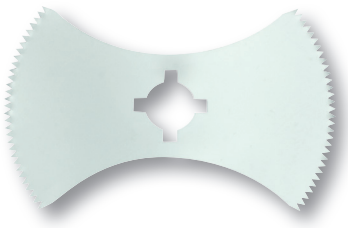
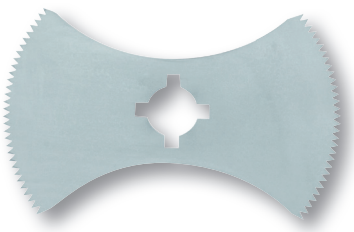
komplett mit 2 Sägeblättern (190-407-50, 190-407-65) und 2 Schraubenschlüssel (190-420-99)
complete with 2 saw blades (190-407-50, 190-407-65) and 2 wrenches (190-420-99)
completo con 2 hojas de sierra (190-407-50, 190-407-65) y 2 llaves de tuercas (190-420-99)
complet avec 2 lames de scie (190-407-50, 190-407-65) et clé à écrou (190-420-99)
completa con 2 lame (190-407-50, 190-407-65) e 2 chiavi (190-420-99)

190-430-00 **BLUEPOWER** SET

Gipssäge (190-420-00) mit Absaugung (190-430-99) 230 V; 50 HZ
Plaster Saw (190-420-00) with vacuum (190-430-99) 230 V; 50 HZ
Sierra oscilante (190-420-00) con aspiración (190-430-99) 230 V; 50 HZ
Scie oscillante (190-420-00) avec aspiration (190-430-99) 230 V; 50 HZ
Sega oscillata (190-420-00) con aspirazione (190-430-99) 230 V; 50 HZ

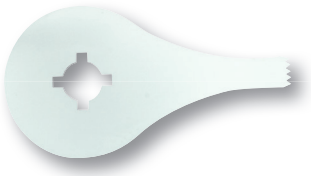
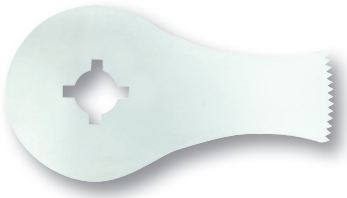


Art.Nr.	Beschreibung | *Description*		Size	Spez.
	für Naturgipsverbände **for plaster of paris** para vendaje enyesado pour plâtre régulier per gesso naturale			
190-407-50	**Ø 50 mm**		**190-407-65**	**Ø 65 mm** 
	für syntehtische Hartverbände **for synthetic casts** para vendaje duro pour plâtre synthétique per bendaggi duri (sintetici)			
190-408-50	**Ø 50 mm**		**190-408-65**	**Ø 65 mm** 
	PTFE-Antihaftbeschichtung **PTFE non-stick coating** Recubrimiento antiadherente de PTFE Revêtement PTFE antiadhérent Rivestimento antiadesione in PTFE			
190-409-50	**Ø 50 mm**		**190-409-65**	**Ø 65 mm** 

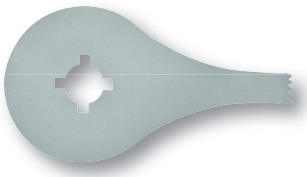
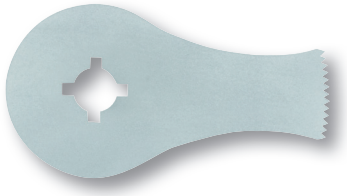
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	Segment für Naturgibsverbände **Segmented for plaster of paris** De segmentos para vendajes de yeso Segment pour plâtres naturels Segmento per bendaggi in gesso naturale	**Ø 65 mm**	
190-413-65			
190-414-65			
	Segment für Naturgipsverbände **Segmented for plaster of paris** De segmentos para vendajes de yeso Segment pour plâtre naturels Segmento per bendaggi in gesso naturale	**Ø 65 mm**	
190-415-65			
190-416-65			

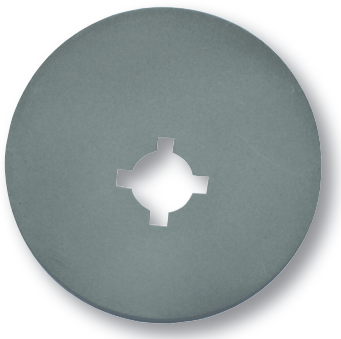
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

Tiefensägeblätter für Naturgibsverbände
Deep saw blades for plaster of paris
Hojas de sierra de profundidad para vendajes de yeso
Lame de scie circulaire plâtre épais pour plâtres naturels
Lama a taglio di profundità per bendaggi in gesso naturale

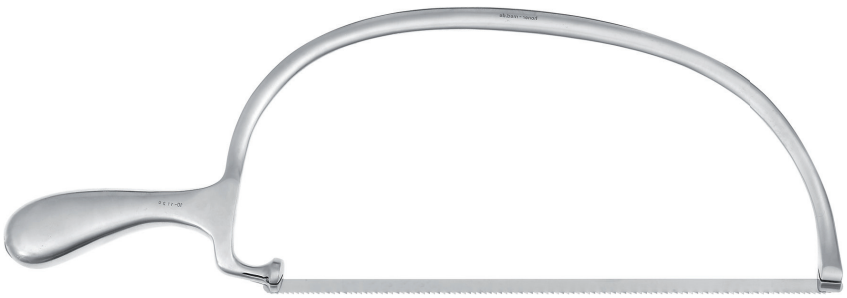
190-417-08	**8 mm**		**190-417-20**	**20 mm**	

Tiefensägeblätter für synthetische Hartverbände
Deep saw blades for synthetic casts
Hojas de sierra de profundidad para vendajes sintéticos rigidos
Lame de scie circul. plâtre épais pour bandages durs
Lama a taglio di profundità per bendaggi duri (sintetici)

190-418-08	**8 mm**		**190-418-20**	**20 mm**	

190-419-90	**Exzentrische Begrenzungsscheibe für Tiefenbegrenzung** **Excentric disc to limit depth of cut** Disco de tope excéntrico para tope de profundidad Disque de limitation excentrique pour limitation de profondeur Disco di limitazione eccentrico per limitazione della profondità	

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
190-212-39	**BIER** **mit 3 Sägeblättern; 4 mm, 6 mm und 8 mm** **with 3 saw blades; 4 mm, 6 mm and 8 mm** con 3 hojas; 4 mm, 6 mm y 8 mm avec 3 lames; 4 mm, 6 mm et 8 mm con 3 lame; 4 mm, 6 mm e 8 mm	**40,5 cm; 16"**	SET



Ersatzsägeblätter
Saw blades
Hojas de recambio
Lames de rechange
Lame di ricambio



190-213-04	**4 mm**	
190-213-06	**6 mm**	
190-213-08	**8 mm**	

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
190-218-23	**LANGENBECK**	24,0 cm; 9 4/8"	



CHARRIÉRE



190-220-27	27,0 cm; 10 3/8"		
190-220-30	30,0 cm; 11 3/4"		
190-225-31	**SATTERLEE**	29,0 cm; 11 3/8"	



190-225-20	**Ersatzsägeblatt** **Saw blade** Hoja de recambio Lames de rechange Lame di ricambio		

Amputationsschild; Bohrerführungsinstrument
Amputation Retractor; Drill Guide
Retractor para amputación; Pinza-guía
Retracteur pour amputation; Pince-guide
Retrattore per amputazione; Pinza guida

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
190-240-00	**PERCY**		
	auseinandernehmbar | detachable | desmontable | démontable | smontabile		



190-242-15	**ADSON**	**15,0 cm; 5 7/8"**	

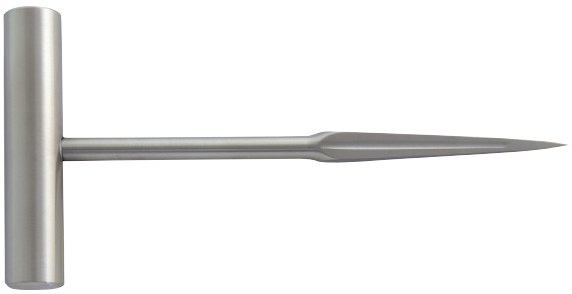


Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
190-244-13		14,0 cm; 5 1/8"	



190-245-14	eine Seite konkav | one side concave un lado cóncavo | un côté concave | un lato concavo	14,0 cm; 5 1/8"	





1/1

PERTHES



190-246-18	18,0 cm; 7 1/8"		
190-246-21	21,5 cm; 8 4/8"		

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
190-260-00	**STILLE** **mit 9 Bohrern und Fräser | with 9 twist drills and burrs** con 9 brocas y fresas | avec 9 méche et fraise | con 9 punte e frese		SET



bestehend aus: | consisting of:
compuesto de: | composé de: | composto da:
190-261-25; 190-261-30; 190-261-35; 190-261-40; 190-262-10; 190-263-05; 190-263-08; 190-263-12; 190-263-16

Spiralbohrer für Handbohrapparat
Twist drills for hand drill
Brocas espiral para perforadores de mano
Mèche hélicoidale pour perforateurs à main
Punta a spirale per perforatori a mano

190-261-10	**Ø 1,0 mm**		**190-261-30**	**Ø 3,0 mm**	
190-261-15	**Ø 1,5 mm**		**190-261-35**	**Ø 3,5 mm**	
190-261-20	**Ø 2,0 mm**		**190-261-40**	**Ø 4,0 mm**	
190-261-25	**Ø 2,5 mm**				

Fräser für Handbohrapparat
Burrs for hand drill
Taladros para perforadores de mano
Fraise pour perforateurs à main
Frese per perforatori a mano

190-262-10	**Ø 10,0 mm**				
190-263-05	**Ø 5,0 mm**		**190-263-12**	**Ø 12,0 mm**	
190-263-08	**Ø 8,0 mm**		**190-263-16**	**Ø 16,0 mm**	

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
190-270-00	**HUDSON** **mit Fräsern Fig. 1-4 und Verlängerungsstück** **with burrs Fig. 1-4 and extension piece** con fresas Fig. 1-4 y pieza de prolongación avec fraises Fig. 1-4 et pièce de rallonge con frese Fig. 1-4 e giunto di prolungamento		SET



bestehend aus: | consisting of:
compuesto de: | composé de: | composto da:
190-271-00; 190-271-10; 190-271-14; 190-271-16; 190-271-22; 190-270-01

190-271-00 **Verlängerungsstück**
Extention piece
Pieza de prolongación
Pièce de rallonge
Giunto di prolungamento



Kegelfräser
Conical Burrs
Fresas cónica
Fraise conique
Fresa conica

190-271-10	Fig. 1	Ø 10,0 mm	
190-271-14	Fig. 2	Ø 14,0 mm	
190-271-16	Fig. 3	Ø 16,0 mm	
190-271-22	Fig. 4	Ø 22,0 mm	

Art.Nr.	Beschreibung | *Description*		*Size*	*Spez.*
190-272-13	CUSHING	**Flachbohrer** **Flat trephine** Taladro plano Fraise plate Trapano piatto	Ø 13,0 mm	
190-273-24	ADSON	**Spiralbohrer** **Twist drill** Broca espiral Mèche hélicoidale Punta a spirale	Ø 2,0 mm	
190-274-13	MC KENZIE	**Fräser** **Burr** Taladro Fraise Frese	Ø 13,0 mm	
190-274-16	ERRICO	**Fräser** **Burr** Taladro Fraise Frese	Ø 16,0 mm	

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
190-296-00	**BUNNELL** **längsdurchbohrt; mit Dreibackenspannfutter und Schlüssel** **longitudionally bored with three-jaw chuck and key** taladrado longitudinalmente con mandril de tres mordazas y llave à perforation axiale avec mandrin à trois mâchoires et clé forati longitudialmente con mandrino a tre ganasce e chiave		



Spannweite bis Ø 4,0 mm
Opening up to Ø 4,0 mm
Abertura hasta Ø 4,0 mm
Overture jusqu'á Ø 4,0 mm
Apertura fino a Ø 4,0 mm

Bohrhandgriff; Dreibackenspannfutter
Drill Handles; Three-Jaw Chuck
Perforadores de mano; Mandril de tres mordazas
Perforateurs á main; Mandrin à trois mâchoires
Perforatori a mano; Mandrino a tre ganasce

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
190-303-10	**Bohrhandgriff** **Handle** Mango Manches Perforatore a mano **mit Dreibacken-Spannfutter und Schlüssel | with three-jaw-chuck and key** con mandril de tres mordazas y llave | avec mandrin à trois mâchoires et clé con mandrino a tre ganasce e chiave		



190-312-00	**Dreibacken-Spannfutter mit Spannschlüssel** **Three-jaw-chuck with key** Mandril de tres mordazas y llave Mandrin à trois mâchoires et clé Mandrino a tre guance e chiave		



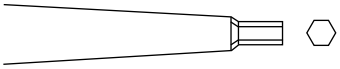
190-312-01	**Spannschlüssel** **Key** llave Clé Chiave per il mandrino		



Schraubendreher mit Kunststoffgriff
Screwdriver with Plastic Handle
Destornilladores con mango de plástico
Tournevis avec manche en plastique
Giraviti con manico di plastica

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
190-330-25	**Hexagonal | Hexagonal** Hexagonal | Hexagonale | Esagonale	**25,0 cm; 10"**	

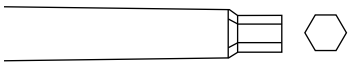




2,5 mm

190-331-25	**Hexagonal | Hexagonal** Hexagonal | Hexagonale | Esagonale	**25,0 cm; 10"**	

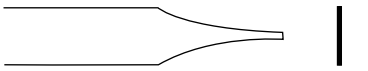




3,5 mm

190-332-25	**Schlitz | Flat tip** Ranurada | Lame pour vis á tête fendue | Fessura	**25,0 cm; 10"**	

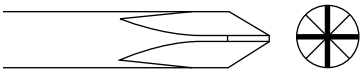




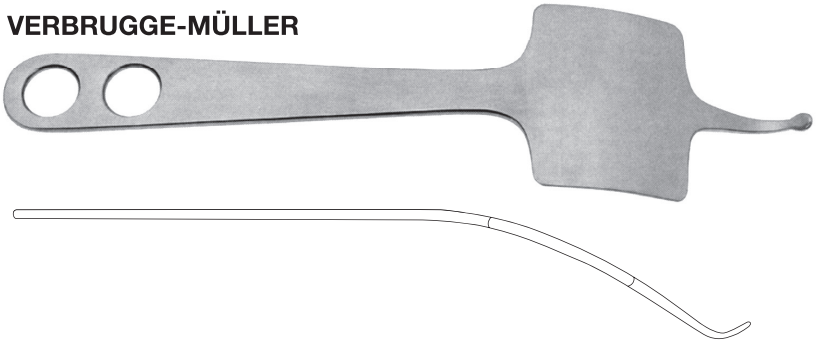
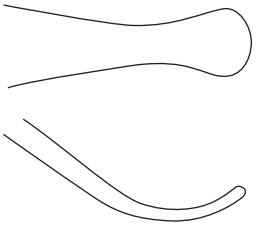
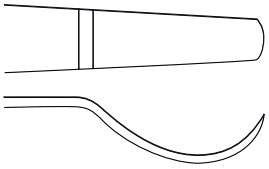
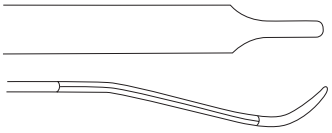
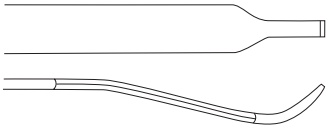
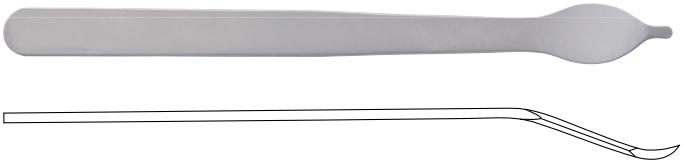
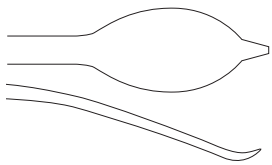
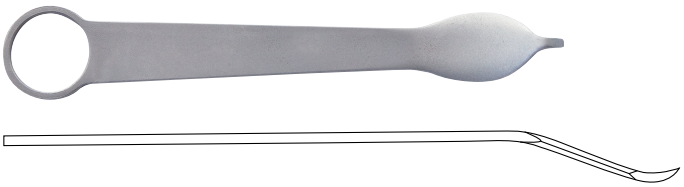
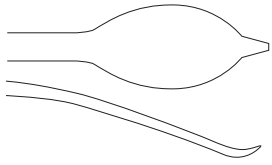
6 mm

190-333-25	**Kreuzschlitz | phillips attachment** Punta philips | Lame philips | Punta philips	**25,0 cm; 10"**	

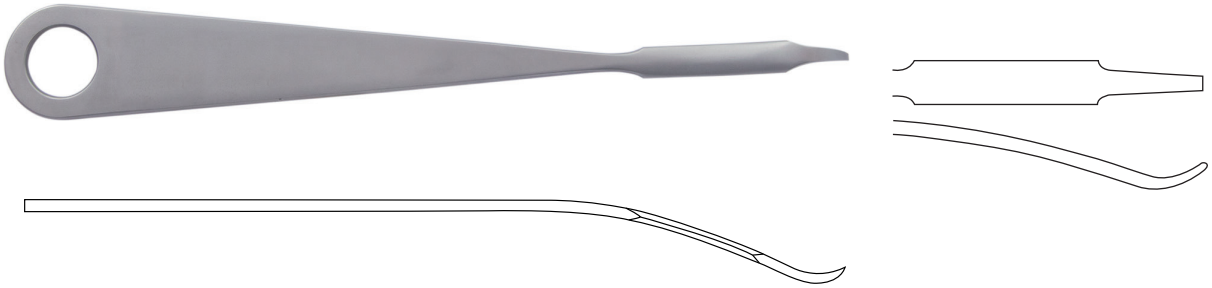




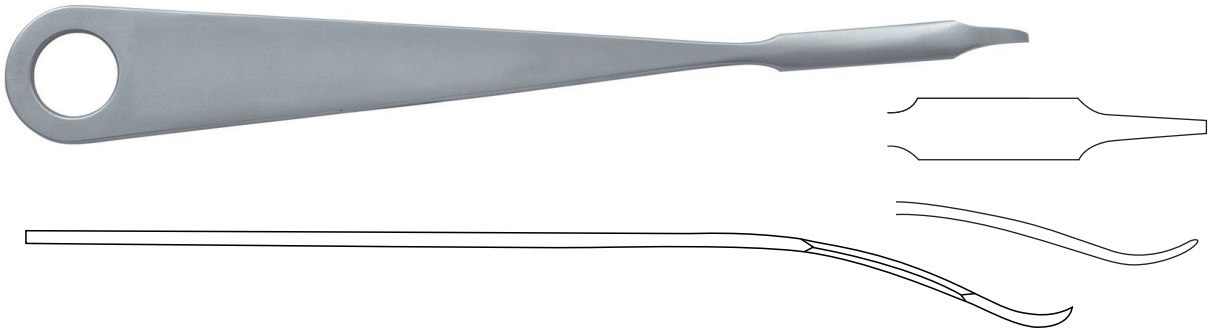
6 mm

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
190-564-64	**VERBRUGGE-MÜLLER** 	**25,0 cm; 10"** **65 mm** 	
190-570-07		**15,0 cm; 5 7/8"** **7 mm** 	
190-571-06	**MINI-HOHMANN** 	**16,0 cm; 6 2/8"** **6 mm** 	
190-571-08	**MINI-HOHMANN** 	**16,0 cm; 6 2/8"** **8 mm** 	
190-571-15		**16,0 cm; 6 2/8"** **15 mm** 	
190-571-16		**12,0 cm; 4 6/8"** **15 mm** 	

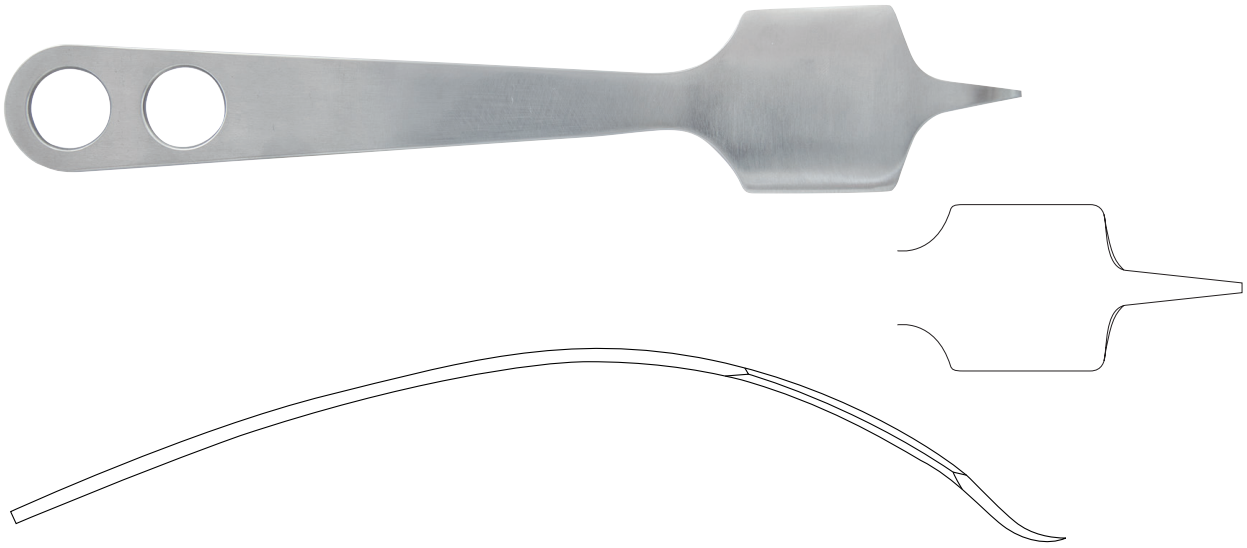
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
190-572-08	**HOHMANN**	**21,5 cm; 8 4/8" 8 mm**	



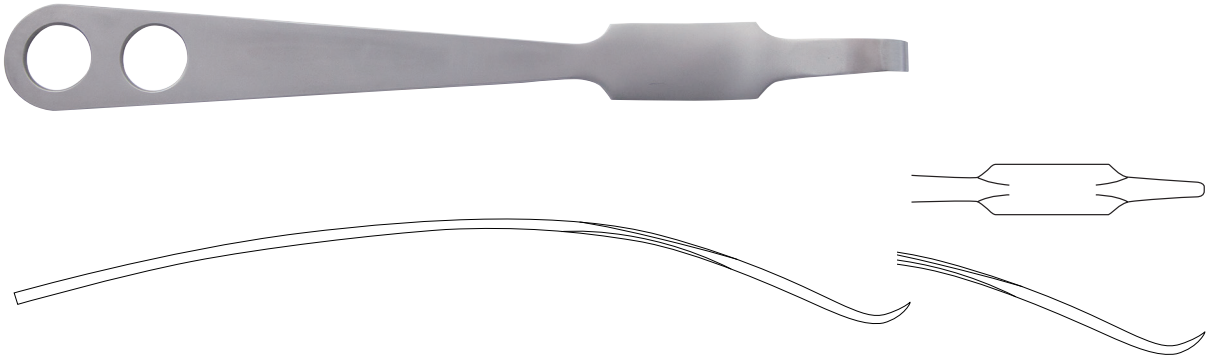
190-572-18	**HOHMANN**	**23,5 cm; 9 2/8" 18 mm**	



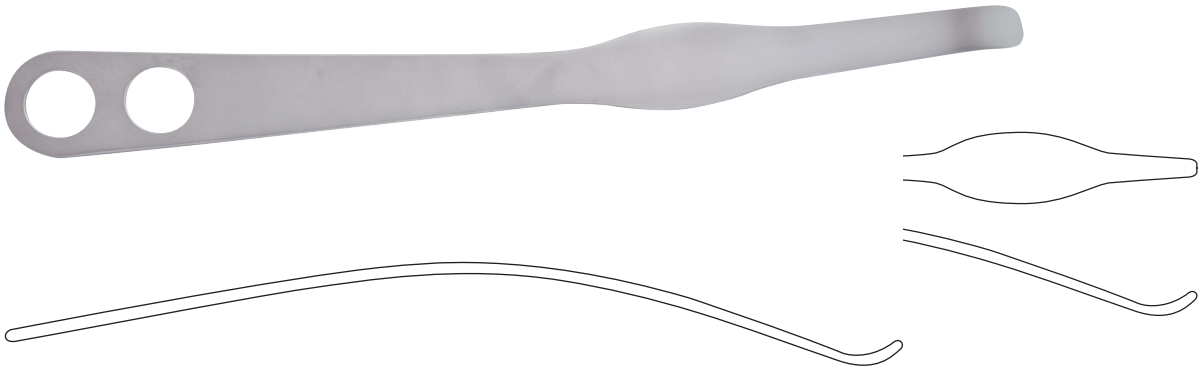
190-572-43	**HOHMANN**	**23,5 cm; 9 2/8" 43 mm**	



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
190-573-22	**HOHMANN**	**25,5 cm; 10" 22 mm**	



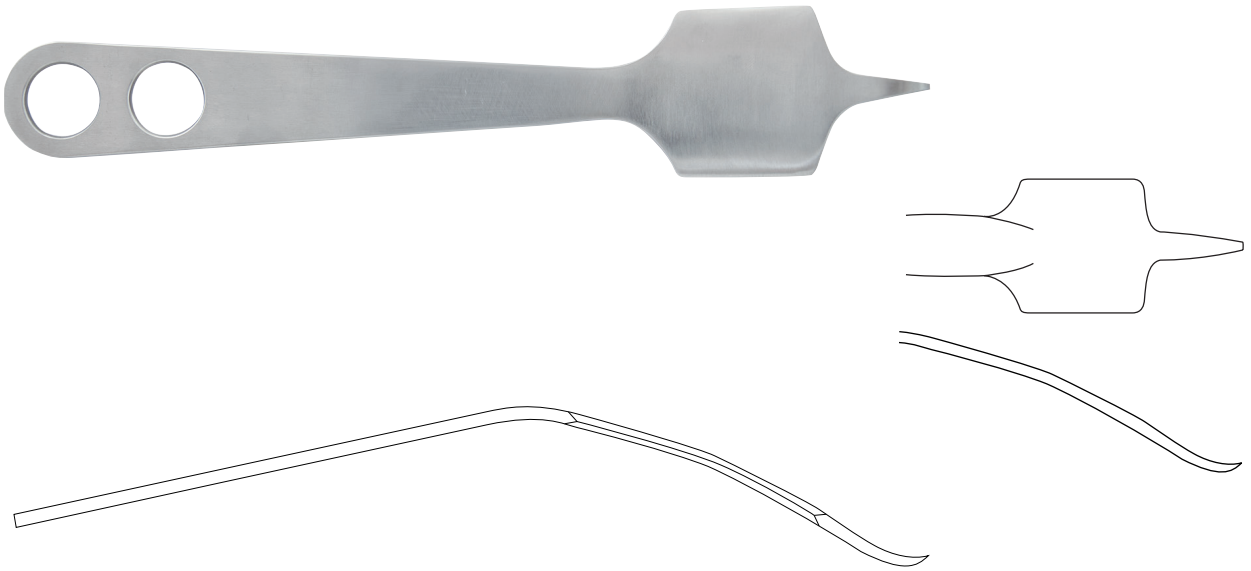
190-573-24	**HOHMANN**	**27,5 cm; 10 7/8" 24 mm**	



190-573-35	**HOHMANN**	**29,0 cm; 11 3/8" 35 mm**	



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
190-573-43	**HOHMANN** **schmale Spitze | narrow tip** punta estrecha | pointe étroite | punta stretta	**23,5 cm; 9 2/8"** **43 mm**	

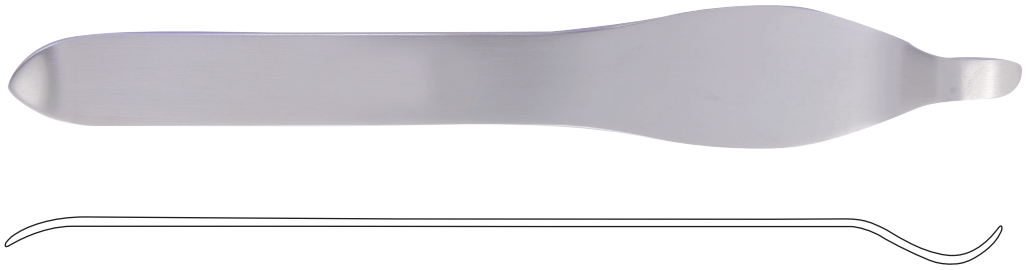


190-574-22	**LANGE-HOHMANN** **breite Spitze mit Längsrille | wide tip with groove** punta ancha con ranura | pointe large avec rainure | punta larga con scanalatura	**25,0 cm; 10"** **22 mm**	



Kniehaken
Knee Retractors
Separadores para rodilla
Ecarteurs pour le genou
Divaricatori per il ginocchio

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
190-575-26	**BLOUNT** **stumpf | blunt** | romo | mousse | smusso	**26,5 cm; 10 3/8"** **38 mm**	

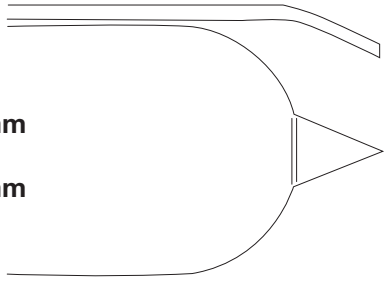


190-576-26	**BLOUNT**	**26,5 cm; 10 3/8"** **47 mm**	



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	TAYLOR	**16,0 cm; 6 2/8"**	
	spitz | sharp | agudo | pointu | acuto		

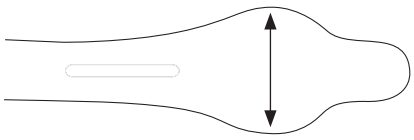




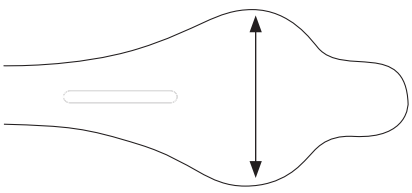
190-577-01	**75 x 30 mm**	
190-577-02	**100 x 30 mm**	

	BENNETT	**23,5 cm; 9 2/8"**
	stumpf | blunt | omo | mousse | smusso	

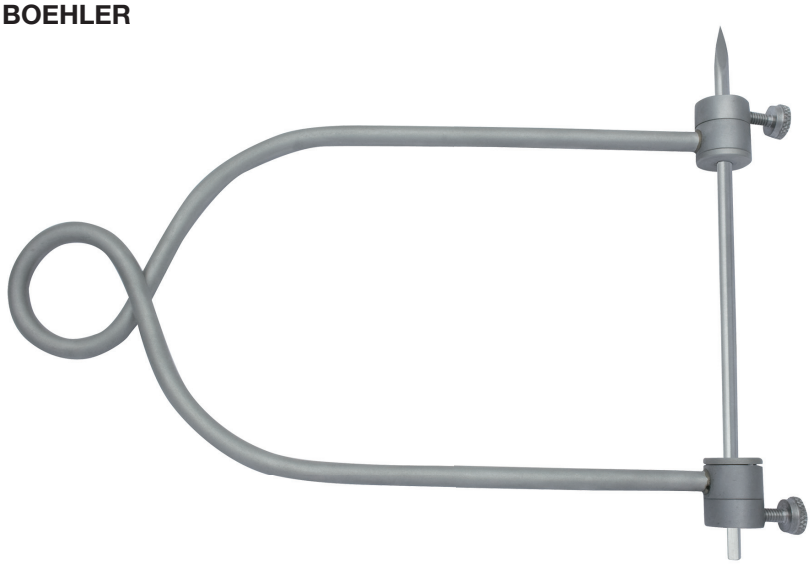




190-580-45	**45 mm**



190-580-60	**60 mm**

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	BOEHLER		
			
190-600-01	**für Arm | for arm** | para brazo | pour bras | per il braccio	**160 x 90 mm; 6 2/8" x 4 4/8"**	
190-600-02	**für Oberschenkel und Knie | for femur and knee** para fémur y rodilla | pour fémur et genou | per il femore ed il ginocchio	**210 x 110 mm; 8 2/8" x 4 4/8"**	
190-600-03	**für Oberschenkel und Knie | for femur and knee** para fémur y rodilla | pour fémur et genou | per il femore ed il ginocchio	**210 x 150 mm; 8" x 6"**	

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

Drahtgeflecht für Finger
Wire mesh for fingers
Malla de alambre para dedos
Gaze de fil de métal
Maglia metallica per le dita



190-628-01	**klein | small** | pequeño | petit | piccolo	
190-628-02	**mittel | medium** | mediano | moyen | mezzo	
190-628-03	**groß | big** | grande | grande | grande	

STEINMANN — **Ø 4,0 mm**

Trokarspitze | Trocar point
Punta de trócar | Pointe de trocart | Punta a trequarti



212-348-14	**14,0 cm; 5 4/8"**	
212-348-16	**16,0 cm; 6 2/8"**	
212-348-18	**18,0 cm; 7"**	
212-348-20	**20,0 cm; 8"**	

Trokar | trocar | trócar | trocart | trequarti

rund | round | redondo | ronde | rotonde

flach | flat | plano | plate | piatti

Verpackung - Etikett | Packing - Label

Tontarra Medizintechnik GmbH ist nicht der Hersteller der aufgeführten Knochennägel.
Sie erhalten das Labeling des Originalherstellers.

Tontarra Medizintechnik GmbH is not the manufacturer of the illustrated Extension pins.
You will receive the product with the labeling of the original manufacturer.



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

KIRSCHNER



Trokar-rund | trocar-round | trócar-redondo | trocart-ronde | trequarti-rotonde

	60 mm; 2 4/8"	120 mm; 5"	140 mm; 5 4/8"	160 mm; 6 2/8"	310 mm; 12 2/8"
Ø 1,0 mm	212-501-10	212-504-10	212-505-10	212-506-10	212-508-10
Ø 1,2 mm	212-501-12	212-504-12	212-505-12	212-506-12	212-508-12
Ø 1,4 mm	212-501-14	212-504-14	212-505-14	212-506-14	212-508-14
Ø 1,5 mm	212-501-15	212-504-15	212-505-15	212-506-15	212-508-15
Ø 1,6 mm	212-501-16	212-504-16	212-505-16	212-506-16	212-508-16
Ø 1,8 mm	212-501-18	212-504-18	212-505-18	212-506-18	212-508-18
Ø 2,0 mm	212-501-20	212-504-20	212-505-20	212-506-20	212-508-20
Ø 2,2 mm	212-501-22	212-504-22	212-505-22	212-506-22	212-508-22
Ø 2,5 mm				212-506-25	212-508-25

Pack á 10 Stück | Box with 10 pieces | confección de 10 piezas | Box avec 10 pcs. | Box à 10 pezzi

KIRSCHNER



Trokar-flach | trocar-flat | trócar-plano | trocart-plate | trequarti-piatti

	60 mm; 2 4/8"	120 mm; 5"	140 mm; 5 4/8"	160 mm; 6 2/8"	310 mm; 12 2/8"
Ø 0,6 mm	212-511-06				
Ø 0,8 mm	212-511-08				
Ø 1,0 mm	212-511-10	212-514-10	212-515-10	212-516-10	212-518-10
Ø 1,2 mm	212-511-12	212-514-12	212-515-12	212-516-12	212-518-12
Ø 1,4 mm	212-511-14	212-514-14	212-515-14	212-516-14	212-518-14
Ø 1,5 mm	212-511-15	212-514-15	212-515-15	212-516-15	212-518-15
Ø 1,6 mm	212-511-16	212-514-16	212-515-16	212-516-16	212-518-16
Ø 1,8 mm	212-511-18	212-514-18	212-515-18	212-516-18	212-518-18
Ø 2,0 mm	212-511-20	212-514-20	212-515-20	212-516-20	212-518-20
Ø 2,2 mm	212-511-22	212-514-22	212-515-22	212-516-22	212-518-22
Ø 2,5 mm				212-516-25	212-518-25

Knochennägel; Bohrdrahtspender
Extension Pins; K-Wire Dispensers
Clavos de extensión; Dispensades para brocas filiformes
Clous à os; Distribueur de broches filiformes
Chiodi per ossa; Distributore per fili

Art.Nr. | **Beschreibung** | ***Description*** | ***Size*** | ***Spez.***

KIRSCHNER

Trokar-Trokar | **trocar-trocar** | trócar-trócar | trocart-trocart | trequarti-trequarti

	60 mm; 2 4/8"	120 mm; 5"	140 mm; 5 4/8"	160 mm; 6 2/8"	310 mm; 12 2/8"
Ø 0,6 mm	212-521-06	212-524-06			
Ø 0,8 mm	212-521-08	212-524-08	212-525-08		
Ø 1,0 mm	212-521-10	212-524-10	212-525-10	212-526-10	212-528-10
Ø 1,2 mm	212-521-12	212-524-12	212-525-12	212-526-12	212-528-12
Ø 1,4 mm	212-521-14	212-524-14	212-525-14	212-526-14	212-528-14
Ø 1,5 mm	212-521-15	212-524-15	212-525-15	212-526-15	212-528-15
Ø 1,6 mm	212-521-16	212-524-16	212-525-16	212-526-16	212-528-16
Ø 1,8 mm	212-521-18	212-524-18	212-525-18	212-526-18	212-528-18
Ø 2,0 mm	212-521-20	212-524-20	212-525-20	212-526-20	212-528-20
Ø 2,2 mm	212-521-22	212-524-22		212-526-22	212-528-22
Ø 2,5 mm	212-521-25	212-524-25	212-525-25	212-526-25	212-528-25

Pack á 10 Stück | **Box with 10 pieces** | Bonfección de 10 piezas | Box avec 10 pcs. | Box à 10 pezzi

VICKERS

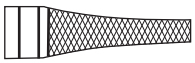


	Ø Drähte **Ø Wires** Ø Brocas Ø Broches Ø Fili	**Drahtlänge** **Wire lenght** Longitud brocas Longueur de broches Lunghezza fili	
212-596-10	1,0 / 1,2 / 1,4 / 1,6 mm	10,0 cm	12,0 cm; 4 6/8"
212-596-15	1,0 / 1,2 / 1,4 / 1,6 mm	16,0 cm	18,5 cm; 7 2/8"
212-596-31	1,0 / 1,2 / 1,4 / 1,6 mm	31,0 cm	35,0 cm; 14"
212-598-15	1,8 / 2,0 / 2,2 / 2,5 mm	16,0 cm	18,5 cm; 7 2/8"
212-598-31	1,8 / 2,0 / 2,2 / 2,5 mm	31,0 cm	35,0 cm; 14"

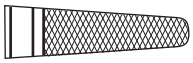
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	parallel fassend | parallel grip acción paralela | action parallèle | afferramento parallelo	**18,0 cm; 7 1/8"**	TC



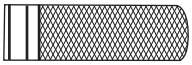
190-740-18



190-741-18



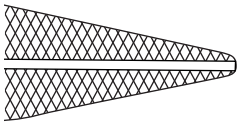
190-742-18



190-752-16 **HACKSTOCK** **16,0 cm; 6 2/8"**

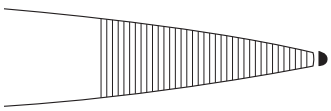
mit Längsrille | with groove
con ranura longitudinal | avec rainure longitudinale | con scanalatura longitudinale





190-753-19 **spitzes Maul | sharp jaw** **19,0 cm; 7 4/8"**
boca aguda | mors pointu | morso acuto

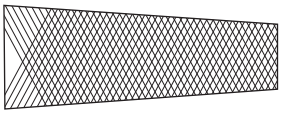




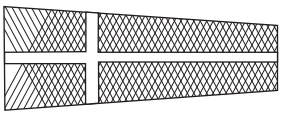
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	flaches Maul **flat jaw** boca plana mors plat morso piatto	**17,0 cm; 6 6/8"**	



190-755-01	**gerieft | serrated** | estriada | strieé | striata		

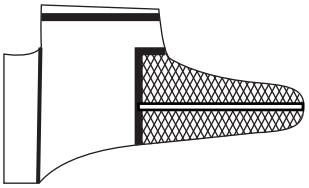


190-755-02	**mit Kreuzrille** **with crosswise groove** con ranura en forma de cruz avec rainures croisés con scanalatura a croce		



190-757-15	**Kombinationszange** **Combi-Flat Nose Plier** Combi-Alicate Combi-Pince Combi-Pinza	**15,0 cm; 5 7/8"**	

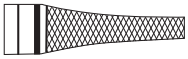




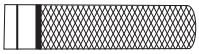
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	parallel fassend | parallel grip acción paralela | action parallèle | afferramento parallelo	**18,0 cm; 7 1/8"**	



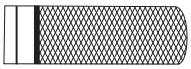
190-760-18



190-761-18

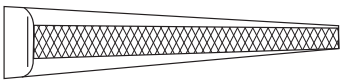


190-762-18



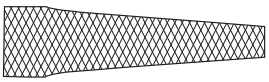
190-763-19 — **19,0 cm; 7 4/8"**





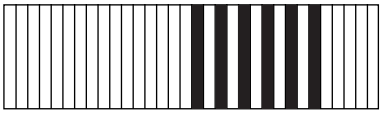
190-764-14 — **14,0 cm; 5 3/8"**





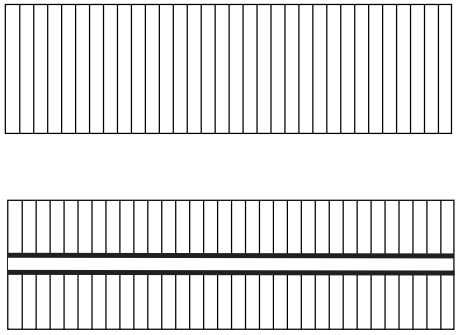
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
190-765-18		**18,0 cm; 7 1/8"**	





190-766-18		**18,5 cm; 7 2/8"**	





Drahtkneifzangen
Wire Cutting Pliers
Alicates para cortar alambre
Pinces à couper le fil
Tenaglie tagliafili

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
190-768-18	**für weiche Drähte bis Ø 2,4 mm** **for soft wires up to Ø 2,4 mm** para alambres blandos hasta Ø 2,4 mm pour fils mous jusqu'a Ø 2,4 mm per fili morbidi fino a Ø 2,4 mm **für harte Drähte bis Ø 1,8 mm** **for hard wires up to Ø 1,8 mm** para alambres duros hasta Ø 1,8 mm pour fils durs jusqu'a Ø 1,8 mm per fili metallici duri fino Ø 1,8 mm	**18,5 cm; 7 2/8"** **13,5 mm**	



190-771-16	**für weiche Drähte bis Ø 2,2 mm** **for soft wires up to Ø 2,2 mm** para alambres blandos hasta Ø 2,2 mm pour fils mous jusqu'a Ø 2,2 mm per fili morbidi fino a Ø 2,2 mm **für harte Drähte bis Ø 2,0 mm** **for hard wires up to Ø 2,0 mm** para alambres duros hasta Ø 2,0 mm pour fils durs jusqu'a Ø 2,0 mm per fili metallici duri fino Ø 2,0 mm	**16,0 cm; 6 2/8"** **18,0 mm**	



190-770-15	**für weiche Drähte bis Ø 2,0 mm** **for soft wires up to Ø 2,0 mm** para alambres blandos hasta Ø 2,0 mm pour fils mous jusqu'a Ø 2,0 mm per fili morbidi fino a Ø 2,0 mm **für harte Drähte bis Ø 1,2 mm** **for hard wires up to Ø 1,2 mm** para alambres duros hasta Ø 1,2 mm pour fils durs jusqu'a Ø 1,2 mm per fili metallici duri fino Ø 1,2 mm	**15,0 cm; 5 7/8"** **14,5 mm**	TC

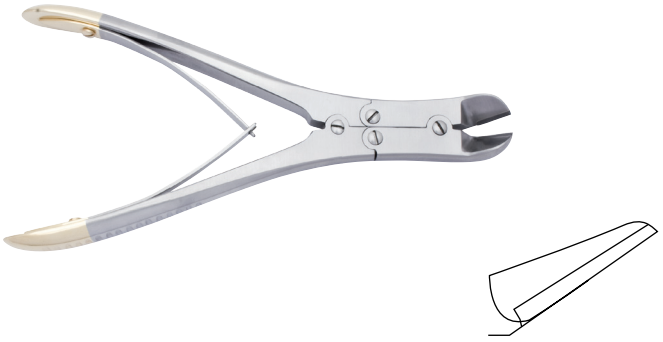


Seitenschneider
Wire Cutting Pliers
Alicates para cortar alambre
Pinces à couper le fil
Tenaglie tagliafili

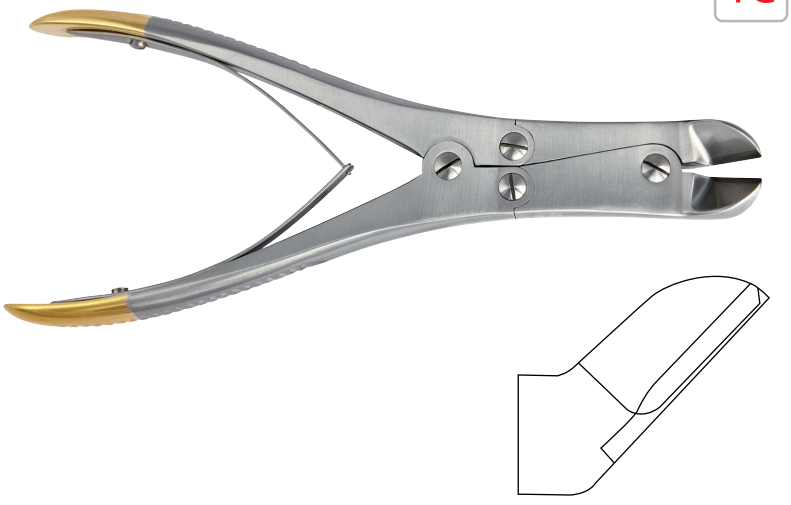
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
190-772-18	**für weiche Drähte bis Ø 2,0 mm** **for soft wires up to Ø 2,0 mm** para alambres blandos hasta Ø 2,0 mm pour fils mous jusqu'a Ø 2,0 mm per fili morbidi fino a Ø 2,0 mm **für harte Drähte bis Ø 1,5 mm** **for hard wires up to Ø 1,5 mm** para alambres duros hasta Ø 1,5 mm pour fils durs jusqu'a Ø 1,5 mm per fili metallici duri fino Ø 1,5 mm	**17,5 cm; 6 7/8"** **10,0 mm**	TC



190-773-17	**für weiche Drähte bis Ø 2,0 mm** **for soft wires up to Ø 2,0 mm** para alambres blandos hasta Ø 2,0 mm pour fils mous jusqu'a Ø 2,0 mm per fili morbidi fino a Ø 2,0 mm **für harte Drähte bis Ø 1,7 mm** **for hard wires up to Ø 1,7 mm** para alambres duros hasta Ø 1,7 mm pour fils durs jusqu'a Ø 1,7 mm per fili metallici duri fino Ø 1,7 mm	**17,0 cm; 6 6/8"**	TC



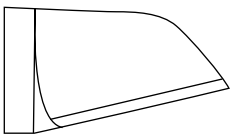
190-773-22	**für weiche Drähte bis Ø 2,8 mm** **for soft wires up to Ø 2,8 mm** para alambres blandos hasta Ø 2,8 mm pour fils mous jusqu'a Ø 2,8 mm per fili morbidi fino a Ø 2,8 mm **für harte Drähte bis Ø 2,2 mm** **for hard wires up to Ø 2,2 mm** para alambres duros hasta Ø 2,2 mm pour fils durs jusqu'a Ø 2,2 mm per fili metallici duri fino Ø 2,2 mm	**23,0 cm; 9"**	TC



Seitenschneider; Kopfschneider
Wire Cutting Pliers; Wire Cutter Front Action
Alicates para cortar alambre; Alicate frontal para cortar alambre
Pinces à couper le fil; Pinces coupantes frontales
Tenaglie tagliafili; Tenaglie tagliafili frontali

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
190-774-23	**für weiche Drähte bis Ø 3,0 mm** **for soft wires up to Ø 3,0 mm** para alambres blandos hasta Ø 3,0 mm pour fils mous jusqu'a Ø 3,0 mm per fili morbidi fino a Ø 3,0 mm **für harte Drähte bis Ø 2,2 mm** **for hard wires up to Ø 2,2 mm** para alambres duros hasta Ø 2,2 mm pour fils durs jusqu'a Ø 2,2 mm per fili metallici duri fino Ø 2,2 mm	**23,0 cm; 9"**	TC





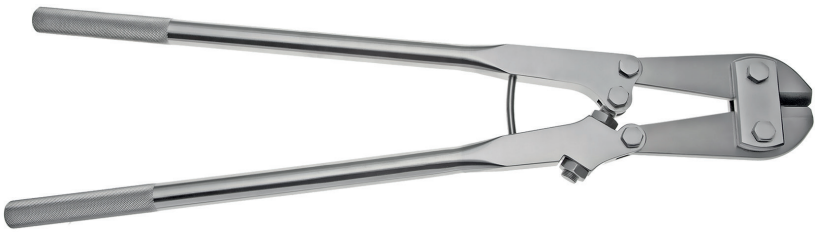
190-775-47	**für harte Drähte und Schrauben bis Ø 6,0 mm** **for hard wires and screws up to Ø 6,0 mm** para alambres duros hasta Ø 6,0 mm pour fils durs jusqu'a Ø 6,0 mm per fili duri fino a Ø 6,0 mm	**47,0 cm; 17 3/4"**	



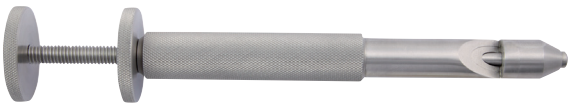
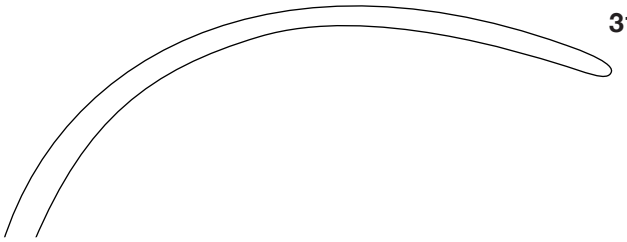
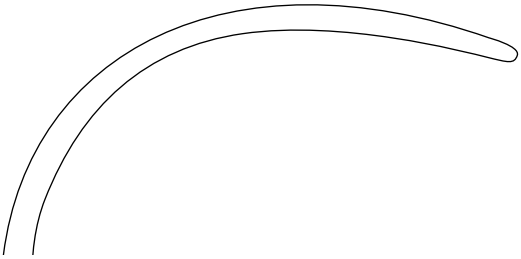
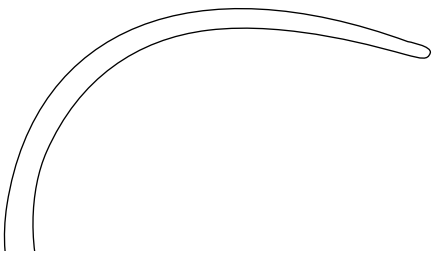
190-776-26	**für weiche Drähte bis Ø 3,2 mm** **for soft wires up to Ø 3,2 mm** para alambres blandos hasta Ø 3,2 mm pour fils mous jusqu'a Ø 3,2 mm per fili morbidi fino a Ø 3,2 mm **für harte Drähte bis Ø 2,5 mm** **for hard wires up to Ø 2,5 mm** para alambres duros hasta Ø 2,5 mm pour fils durs jusqu'a Ø 2,5 mm per fili metallici duri fino Ø 2,5 mm	**26,0 cm; 10 2/8"**	



190-776-56	**für harte Drähte und Schrauben bis Ø 6,0 mm** **for hard wires and screws up to Ø 6,0 mm** para alambres duros hasta Ø 6,0 mm pour fils durs jusqu'a Ø 6,0 mm per fili duri fino a Ø 6,0 mm	**56,0 cm; 22"**	



Drahtspanner; Drahtumführungsnadeln
Wire Tighteners; Wire Guides
Tensor cierra-hilo; Agujas pasa-hilo
Tendeur serre-fil; Aiguilles passe-fils
Strumento tendifili; Aghi passafili

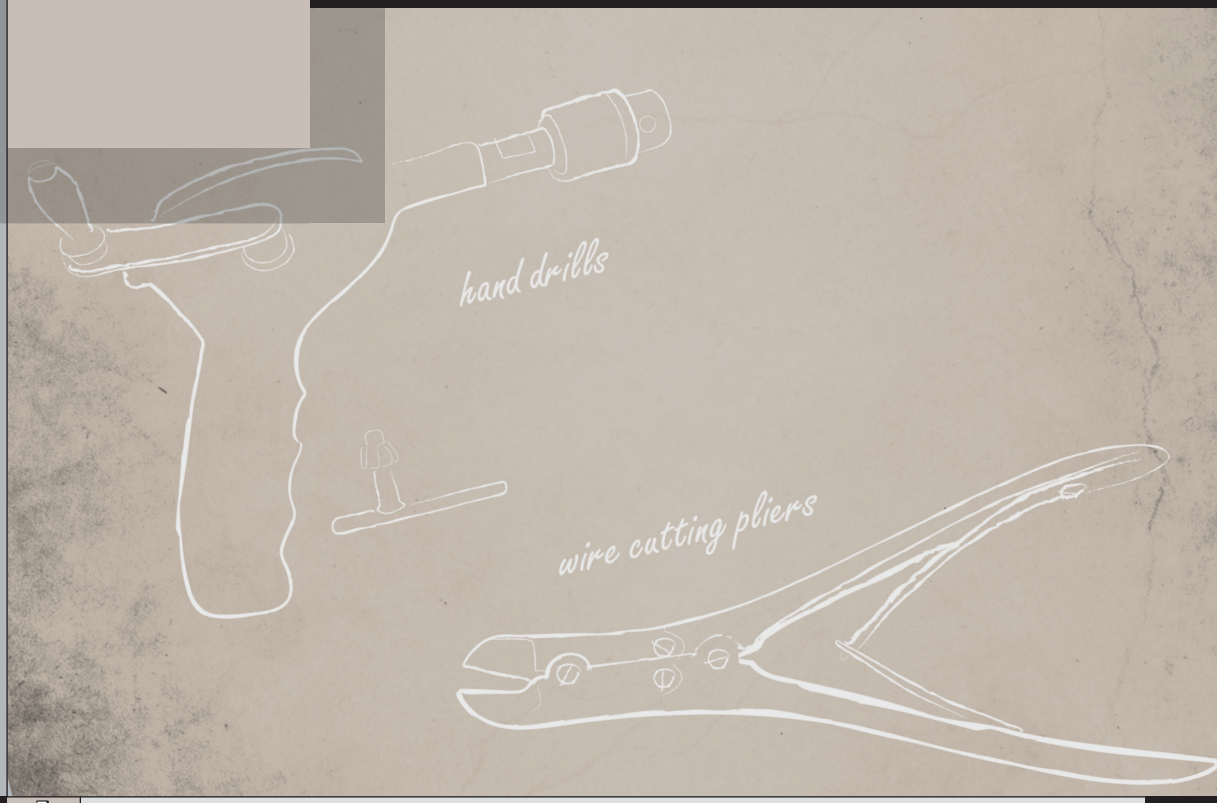
Art.Nr.	Beschreibung | *Description*		*Size*	*Spez.*
190-780-21	**LOUTE**		**21,0 cm; 8 2/8"**	
				
	DEMEL			
				
190-781-01	**Fig. 1**	**groß** **big** grande grande grande	**31,0 cm; 12 2/8"**	
				
190-781-02	**Fig. 2**	**mittel** **medium** mediano moyen medio	**29,0 cm; 11 3/8"**	
				
190-781-03	**Fig. 3**	**klein** **small** pequeño petit piccolo	**28,0 cm; 11"**	
				

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	Rolle **Coil** Rollo En rouleaux Rotolo		
	mit 10,0 m | of 10,0 m | de 10,0 m | de 10,0 m | di 10,0 m		
			
190-795-02	**Ø 0,2 mm**		
190-795-03	**Ø 0,3 mm**		
190-795-04	**Ø 0,4 mm**		
190-795-05	**Ø 0,5 mm**		
190-795-06	**Ø 0,6 mm**		
190-795-07	**Ø 0,7 mm**		
190-795-08	**Ø 0,8 mm**		
190-795-09	**Ø 0,9 mm**		
190-795-10	**Ø 1,0 mm**		
190-795-12	**Ø 1,2 mm**		
190-795-15	**Ø 1,5 mm**		



TONTARRA

OPEN SURGERY



Knochenchirurgie

Bone Surgery

Chirurgia óesa

Chirurgie osseuse

Chirurgia osseas

191

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	PARTSCH	**19,0 cm; 7 4/8"**	
	bleigefüllt | lead filled relleno de plomo | remplissage de plomb | ripieno di piombo		

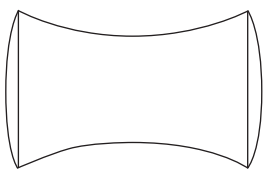


	Kopf **Head** Cabeza Tête Testa	**Gewicht** **Weight** Peso Poids Peso
191-145-18	**22 mm**	**200 g**

	WILLIGER	**24,0 cm; 9 4/8"**
	bleigefüllt | lead filled relleno de plomo | remplissage de plomb | ripieno di piombo	



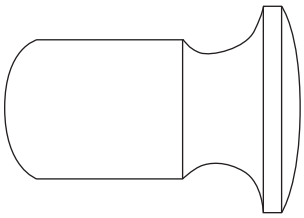
	Kopf **Head** Cabeza Tête Testa	**Gewicht** **Weight** Peso Poids Peso
191-210-24	**26 mm**	**280 g**
191-210-28	**28 mm**	**320 g**
191-210-30	**30 mm**	**340 g**



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	DOYEN	**21,0 cm; 8 2/8"**	



	Kopf Head Cabeza Tête Testa	Gewicht Weight Peso Poids Peso
191-212-25	**25 mm**	**120 g**
191-212-30	**30 mm**	**180 g**
191-212-35	**35 mm**	**260 g**



	COTTLE	**19,0 cm; 7 4/8"**

plan/konvex | plane/convex
piano/convexo | plan/convexe | piano/convesso



	Kopf Head Cabeza Tête Testa	Gewicht Weight Peso Poids Peso
191-216-19	**30 mm**	**300 g**

Art.Nr.	Beschreibung | *Description*		*Size*	*Spez.*
	COLLIN		**20,0 cm; 7 7/8"**	



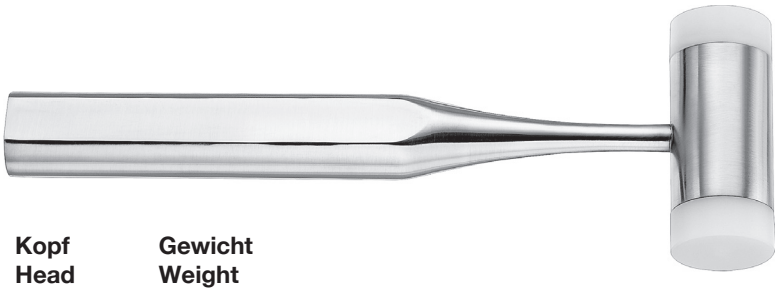
	Kopf Head Cabeza Tête Testa	Gewicht Weight Peso Poids Peso
191-220-20	**30 mm**	**240 g**

	HAJEK		**22,0 cm; 8 3/4"**	



	Kopf Head Cabeza Tête Testa	Gewicht Weight Peso Poids Peso
191-224-22	**27 mm**	**140 g**

Art.Nr.	Beschreibung | *Description*		*Size*	*Spez.*
			18,5 cm; 7 1/4"	



	Kopf **Head** Cabeza Tête Testa	**Gewicht** **Weight** Peso Poids Peso
191-230-18	**25 mm**	**135 g**

komplett mit | complete with
completo con | complet avec | completo con:

191-230-02 **1 Paar Ersatzbacken**
1 Pair spare facings
1 Par frentes de repuesto
1 Paire joues de rechange
1 Paio guancie di ricambio

WILLIGER **16,5 cm; 6 4/8"**



	Kopf **Head** Cabeza Tête Testa	**Gewicht** **Weight** Peso Poids Peso
191-234-01	**20 mm**	**140 g**

bleigefüllt | lead filled | relleno de plomo | remplissage de plomb | ripieno di piombo

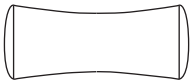
191-234-02	**20 mm**	**120 g**

massiv | solid | macizo | solide | solido

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
LUCAE	**19,5 cm; 7 5/8"**		



	Kopf **Head** Cabeza Tête Testa	**Gewicht** **Weight** Peso Poids Peso
191-236-19	**19 mm**	**230 g**
191-236-26	**25 mm**	**260 g**



	WAGNER	**24,5 cm; 9 3/4"**



191-266-24 **35 mm** **Kopf | Head** | Cabeza | Tête | Testa

	komplett mit:
191-266-10	1 Schlüssel
	complete with:
191-266-10	1 Wrench

	completo con:
191-266-10	1 Llave
	complet avec:
191-266-10	1 Clé
	completo con:
191-266-10	1 Chiave

Hämmer mit Kunststoffgriffen
Mallets with plastic Handles
Martillos con mango de plástico
Marteaux avec manche en plastique
Martelli con manico di plastica

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
		26,0 cm; 10 2/8"	



	Kopf **Head** Cabeza Tête Testa	**Gewicht** **Weight** Peso Poids Peso
191-280-26	**30 mm**	**450 g**

Hämmer mit Kunststoffgriffen
Mallets with plastic Handles
Martillos con mango de plástico
Marteaux avec manche en plastique
Martelli con manico di plastica

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
		26,0 cm; 10 2/8"	



	Kopf **Head** Cabeza Tête Testa	**Gewicht** **Weight** Peso Poids Peso
191-283-26	**32 mm**	**620 g**

		24,0 cm; 9 4/8"



	Kopf **Head** Cabeza Tête Testa	**Gewicht** **Weight** Peso Poids Peso
191-284-24	**30 mm**	**460 g**

Art.Nr.	Beschreibung | *Description*		*Size*	*Spez.*
			26,0 cm; 10 2/8"	



	Kopf Head Cabeza Tête Testa	Gewicht Weight Peso Poids Peso
191-285-26	30 mm	580 g

			26,0 cm; 10 2/8"	



	Kopf Head Cabeza Tête Testa	Gewicht Weight Peso Poids Peso
191-286-26	50 mm	1300 g

Hämmer mit Kunststoffgriffen
Mallets with plastic Handles
Martillos con mango de plástico
Marteaux avec manche en plastique
Martelli con manico di plastica

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	Backen **Facings** Tapas Mâchoires Placche **auswechselbar | interchangeable** intercambiables | interchangeables | intercambiabili	**19,0 cm; 7 4/8"**	



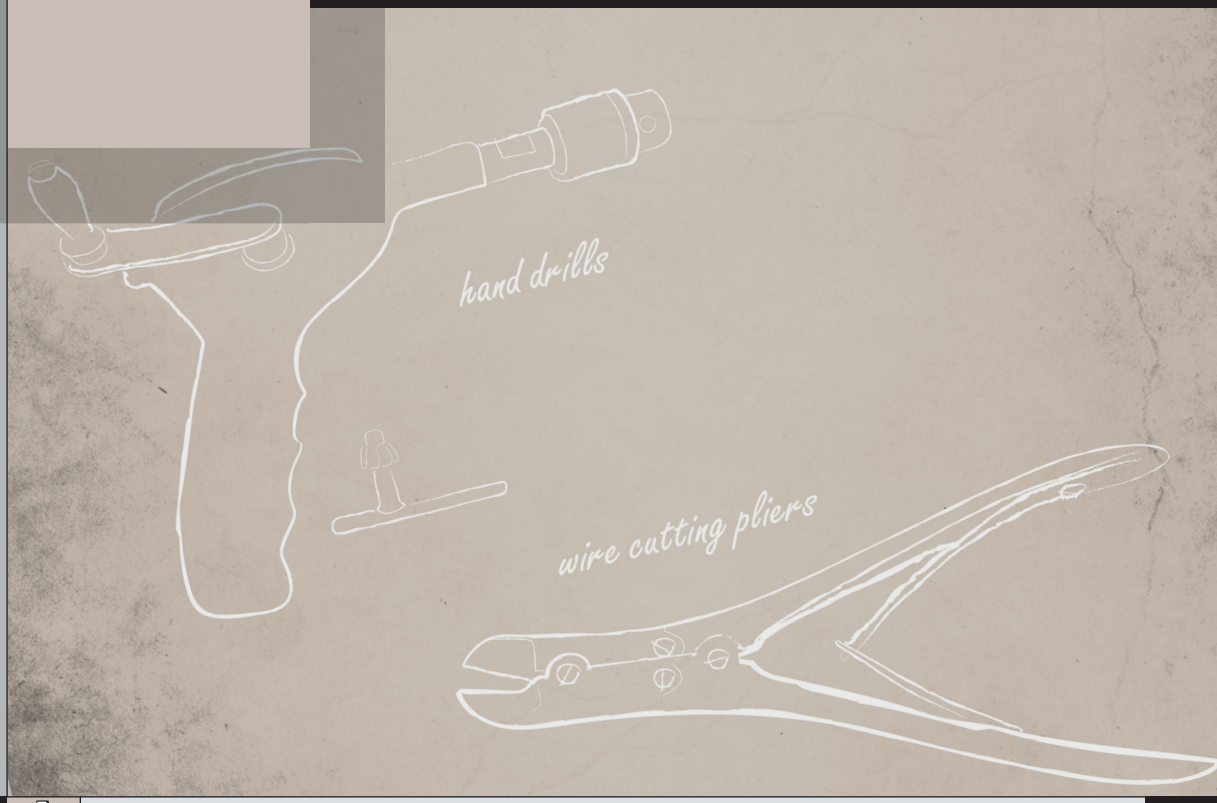
	Kopf **Head** Cabeza Tête Testa	**Gewicht** **Weight** Peso Poids Peso	
191-287-19	**30 mm**	**300 g**	





TONTARRA

OPEN SURGERY



Scharfe Löffel

Bone Curettes

Cucharillas cortantes

Curettes tranchantes

Curette taglienti

192

Scharfe Löffel
Bone Curettes
Cucharillas cortantes
Curettes tranchantes
Curette taglienti

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	WILLIGER	**14,0 cm; 5 4/8"**	



192-406-00	**Fig. 00/0**	
192-406-01	**Fig. 0/1**	
192-406-02	**Fig. 1/2**	

	WILLIGER	**16,5 cm; 6 4/8"**

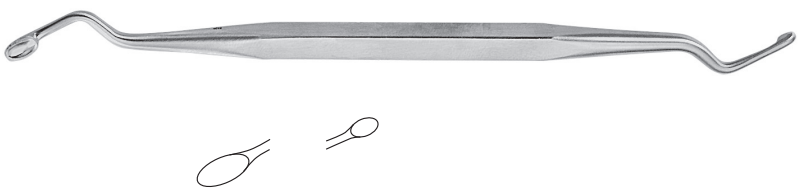


192-407-00	**Fig. 00/0**	
192-407-01	**Fig. 0/1**	
192-407-02	**Fig. 1/2**	

192-410-16	**JANSEN**	**16,0 cm; 6 2/8"**



192-411-15	**JANSEN**	**15,0 cm; 5 7/8"**



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	VOLKMANN		
192-414-13	**12,5 cm; 4 7/8"**		
192-414-14	**14,5 cm; 5 6/8"**		
192-414-17	**17,0 cm; 6 6/8"**		
	VOLKMANN		
192-415-13	**13,0 cm; 5 1/8"**		
192-415-16	**16,0 cm; 6 2/8"**		
192-415-20	**20,0 cm; 7 7/8"**		
192-418-21		**21,0 cm; 8 2/8"**	

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	MODELL USA	**16,0 cm; 6 2/8"**	



192-435-01	Fig. 1	⬭	192-435-04	Fig. 4	⬭
192-435-02	Fig. 2	⬭	192-435-05	Fig. 5	⬭
192-435-03	Fig. 3	⬭	192-435-06	Fig. 6	⬭

MODELL USA	**16,0 cm; 6 2/8"**	



192-436-01	Fig. 1	⬭	192-436-04	Fig. 4	⬭
192-436-02	Fig. 2	⬭	192-436-05	Fig. 5	⬭
192-436-03	Fig. 3	⬭	192-436-06	Fig. 6	⬭

MODELL USA	**16,0 cm; 6 2/8"**	



192-437-01	Fig. 1	⬭	192-437-04	Fig. 4	⬭
192-437-02	Fig. 2	⬭	192-437-05	Fig. 5	⬭
192-437-03	Fig. 3	⬭	192-437-06	Fig. 6	⬭

Art.Nr.	Beschreibung | *Description*					*Size*	*Spez.*
	STILLE						
							
192-440-02	Ø 2 mm		17,0 cm; 6 6/8"	192-440-07	Ø 7 mm		19,5 cm; 7 5/8"
192-440-03	Ø 3 mm		17,0 cm; 6 6/8"	192-440-08	Ø 8 mm		20,0 cm; 7 7/8"
192-440-04	Ø 4 mm		17,0 cm; 6 6/8"	192-440-10	Ø 10 mm		21,0 cm; 8 2/8"
192-440-05	Ø 5 mm		19,5 cm; 7 5/8"	192-440-12	Ø 12 mm		21,5 cm; 8 4/8"
192-440-06	Ø 6 mm		19,5 cm; 7 5/8"	192-440-14	Ø 14 mm		22,0 cm; 8 5/8"
	STILLE						
							
192-442-02	Ø 2 mm		17,0 cm; 6 6/8"	192-442-07	Ø 7 mm		19,5 cm; 7 5/8"
192-442-03	Ø 3 mm		17,0 cm; 6 6/8"	192-442-08	Ø 8 mm		20,0 cm; 7 7/8"
192-442-04	Ø 4 mm		17,0 cm; 6 6/8"	192-442-10	Ø 10 mm		20,5 cm; 8 1/8"
192-442-05	Ø 5 mm		19,5 cm; 7 5/8"	192-442-12	Ø 12 mm		20,5 cm; 8 1/8"
192-442-06	Ø 6 mm		19,5 cm; 7 5/8"	192-442-14	Ø 14 mm		20,5 cm; 8 1/8"

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	SIMON	**24,0 cm; 9 4/8"**	



192-444-00	Fig. 0				
192-444-01	Fig. 1		192-444-04	Fig. 4	
192-444-02	Fig. 2		192-444-05	Fig. 5	
192-444-03	Fig. 3		192-444-06	Fig. 6	

LEMPERT	**21,5 cm; 8 4/8"**	



192-448-00	Fig. 0 Ø 3,0 mm		192-448-03	Fig. 0000 Ø 2,2 mm	
192-448-01	Fig. 00 Ø 2,7 mm		192-448-04	Fig. 00000 Ø 2,0 mm	
192-448-02	Fig. 000 Ø 2,4 mm		192-448-05	Fig. 1 Ø 3,3 mm	

HALLE	**21,0 cm; 8 2/8"**	

biegsam | flexible | flexible | flexible | flessibile



192-452-02	Fig. 1		192-452-11	Fig. 3	
192-452-01	Fig. 2				

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	UFFENORDE	**17,0 cm; 6 6/8**	



192-455-01	**links gebogen** **curved left** curva a la izquierda courbée à gauche curvo sinistro	**192-455-02**	**rechts gebogen** **curved right** curva a la derecha courbée à droite curvo destro

	SCHEDE	**17,0 cm; 6 6/8"**



192-467-01	**Fig. 0**		**192-467-12**	**Fig. 2**	
192-467-02	**Fig. 00**		**192-467-13**	**Fig. 3**	
192-467-03	**Fig. 000**		**192-467-14**	**Fig. 4**	
192-467-11	**Fig. 1**				

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	VOLKMANN	**17,0 cm; 6 6/8"**	



192-469-01	Fig. 0		192-469-12	Fig. 2	
192-469-02	Fig. 00		192-469-13	Fig. 3	
192-469-03	Fig. 000		192-469-14	Fig. 4	
192-469-04	Fig. 0000		192-469-15	Fig. 5	
192-469-11	Fig. 1		192-469-16	Fig. 6	

BRUNS	**17,0 cm; 6 6/8"**	



192-472-01	Fig. 0		192-472-12	Fig. 2	
192-472-02	Fig. 00		192-472-13	Fig. 3	
192-472-03	Fig. 000		192-472-14	Fig. 4	
192-472-04	Fig. 0000		192-472-15	Fig. 5	
192-472-11	Fig. 1		192-472-16	Fig. 6	

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	BRUNS	**23,0 cm; 9"**	



192-473-01	Fig. 0		192-473-13	Fig. 3	
192-473-02	Fig. 00		192-473-14	Fig. 4	
192-473-03	Fig. 000		192-473-15	Fig. 5	
192-473-11	Fig. 1		192-473-16	Fig. 6	
192-473-12	Fig. 2				

SPRATT	**17,0 cm; 6 6/8"**	



192-475-01	Fig. 0		192-475-12	Fig. 2	
192-475-02	Fig. 00		192-475-13	Fig. 3	
192-475-03	Fig. 000		192-475-14	Fig. 4	
192-475-04	Fig. 0000		192-475-15	Fig. 5	
192-475-05	Fig. 00000		192-475-16	Fig. 6	
192-475-11	Fig. 1				

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

SPRATT (BRUNS) — **23,0 cm; 9"**

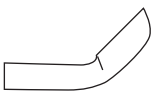




192-478-01	Fig. 0		192-478-12	Fig. 2	
192-478-02	Fig. 00		192-478-13	Fig. 3	
192-478-03	Fig. 000		192-478-14	Fig. 4	
192-478-04	Fig. 0000		192-478-15	Fig. 5	
192-478-05	Fig. 00000		192-478-16	Fig. 6	
192-478-11	Fig. 1				

SPRATT (BRUNS)





192-477-01 192-479-01	Fig. 0 Fig. 0	20,0 cm; 8" 23,0 cm; 9"		192-477-13 192-479-13	Fig. 3 Fig. 3	20,0 cm; 8" 23,0 cm; 9"	
192-477-02 192-479-02	Fig. 00 Fig. 00	20,0 cm; 8" 23,0 cm; 9"		192-477-14 192-479-14	Fig. 4 Fig. 4	20,0 cm; 8" 23,0 cm; 9"	
192-477-03 192-479-03	Fig. 000 Fig. 000	20,0 cm; 8" 23,0 cm; 9"		192-477-15 192-479-15	Fig. 5 Fig. 5	20,0 cm; 8" 23,0 cm; 9"	
192-477-11 192-479-11	Fig. 1 Fig. 1	20,0 cm; 8" 23,0 cm; 9"		192-477-16 192-479-16	Fig. 6 Fig. 6	20,0 cm; 8" 23,0 cm; 9"	
192-477-12 192-479-12	Fig. 2 Fig. 2	20,0 cm; 8" 23,0 cm; 9"					

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	VOLKMANN	**17,0 cm; 6 6/8";** FERROZELL	



192-480-01	Fig. 1		192-480-06	Fig. 6	
192-480-02	Fig. 2		192-480-10	Fig. 0	
192-480-03	Fig. 3		192-480-20	Fig. 00	
192-480-04	Fig. 4		192-480-30	Fig. 000	
192-480-05	Fig. 5		192-480-40	Fig. 0000	

VOLKMANN	**27,0 cm; 10 5/8";** FERROZELL	



192-482-01	Fig. 1		192-482-06	Fig. 6	
192-482-02	Fig. 2		192-482-10	Fig. 0	
192-482-03	Fig. 3		192-482-20	Fig. 00	
192-482-04	Fig. 4		192-482-30	Fig. 000	
192-482-05	Fig. 5		192-482-40	Fig. 0000	

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

25,0 cm; 9 7/8"



192-483-00	3,0 mm	192-483-02	5,0 mm
192-483-01	4,0 mm	192-483-03	6,0 mm

25,0 cm; 9 7/8"



192-484-00	Fig. 000 Ø 3,6 mm	192-484-02	Fig. 0 Ø 5,2 mm
192-484-01	Fig. 00 Ø 4,4 mm	192-484-03	Fig. 1 Ø 6,0 mm

25,0 cm; 9 7/8"



192-485-00	Fig. 000 Ø 3,6 mm	192-485-02	Fig. 0 Ø 5,2 mm
192-485-01	Fig. 00 Ø 4,4 mm	192-485-03	Fig. 1 Ø 6,0 mm

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	DAUBENSPECK	**20,0 cm; 7 7/8"**	

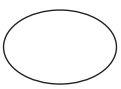




192-487-01	**Fig. 0**		**192-487-11**	**Fig. 1**	
192-487-02	**Fig. 00**		**192-487-12**	**Fig. 2**	

	COBB	**28,0 cm; 11"**

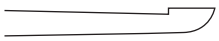
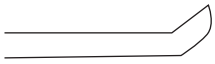
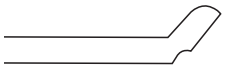
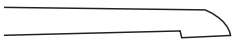
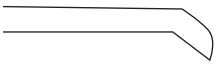
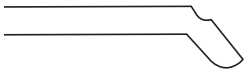


192-494-00	**Fig. 1**	
192-494-01	**Fig. 2**	
192-494-02	**Fig. 3**	
192-494-03	**Fig. 4**	
192-494-04	**Fig. 5**	
192-494-05	**Fig. 6**	

Scharfe Löffel
Bone Curettes
Cucharillas cortantes
Curettes tranchantes
Curette taglienti

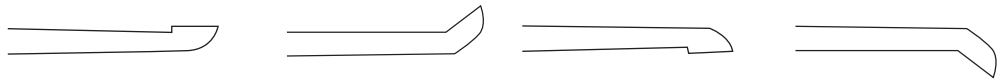
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

						
Cup Size	**2**	**1**	**0**	**00**	**000**	**0000**
mm	**4,5 x 7,5**	**3,5 x 6,0**	**3,0 x 5,0**	**2,5 x 4,0**	**2,0 x 3,3**	**1,7 x 2,7**

	**FS**	**vorwärts gerade | forwards straight** adelante recta | avant droite | avanti retta
	**FA**	**vorwärts gewinkelt | forwards angled** adelante angulado | avant angulaire | avanti angolato
	**FD**	**vorwärts runter | forwards down** adelante abajo | avant en bas | avanti abbasso
	**BS**	**rückwärts gerade | backwards straight** atrás recta | arriére droite | indietro retto
	**BA**	**rückwärts gewinkelt | backwards angled** atrás angulado | arriére angulaire | indietro angolato
	**BD**	**rückwärts runter | backwards down** atrás abajo | arriére en bas | indietro abbasso

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	Cervical Bayonet Curettes	**21,5 cm; 8 1/2"**	





Shape	FS	FA	BS	BA
Cup 0	192-610-10	192-611-10	192-612-10	192-613-10
Cup 00	192-610-20	192-611-20	192-612-20	192-613-20
Cup 000	192-610-30	192-611-30	192-612-30	192-613-30
Cup 0000	192-610-40	192-611-40	192-612-40	192-613-40

Cervical Bayonet Bone Cutter		**21,5 cm; 8 1/2"**	





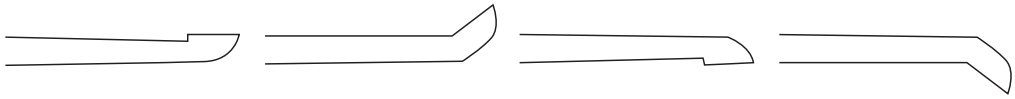
Shape	FS	FA	BS	BA
Cup 00	192-610-92	192-611-92	192-612-92	192-613-92

192-614-01	Cervical Bayonet Nerve Hook		21,5 cm; 8 1/2"
192-614-02	Cervical Bayonet Ultra Nerve Hook		21,5 cm; 8 1/2"
192-614-03	Cervical Bayonet Bone Waxer		21,5 cm; 8 1/2
192-614-99	Cervical Bayonet Knife Handle		21,5 cm; 8 1/2"

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

Large Cervical Bayonet Curettes — **24,0 cm; 9 1/2"**

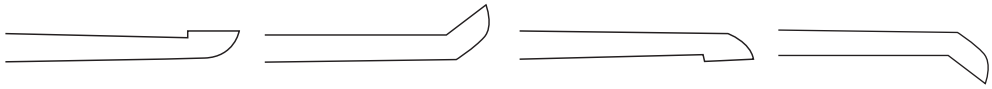




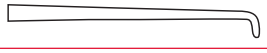
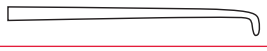
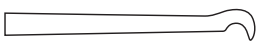
Shape	FS	FA	BS	BA
Cup 0	192-620-10	192-621-10	192-622-10	192-623-10
Cup 00	192-620-20	192-621-20	192-622-20	192-623-20
Cup 000	192-620-30	192-621-30	192-622-30	192-623-30
Cup 0000	192-620-40	192-621-40	192-622-40	192-623-40

Large Cervical Bayonet Bone Cutter — **24,0 cm; 9 1/2"**



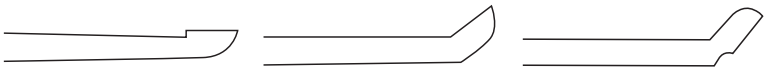


Shape	FS	FA	BS	BA
Cup 00	192-620-92	192-621-92	192-622-92	192-623-92

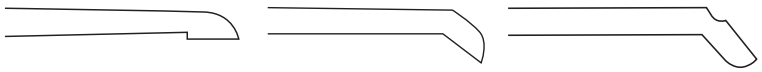
192-624-01	Large Cervical Bayonet Nerve Hook		24,0 cm; 9 1/2"
192-624-02	Large Cervical Bayonet Ultra Nerve Hook		24,0 cm; 9 1/2"
192-624-03	Large Cervical Bayonet Bone Waxer		24,0 cm; 9 1/2"

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	Lumbar Bayonet Curettes	**24,0 cm; 9 1/2"**	

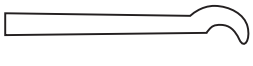




Shape	FS	FA	FD
Cup 0	192-600-00	192-601-00	192-602-00
Cup 1	192-600-01	192-601-01	192-602-01
Cup 2	192-600-02	192-601-02	192-602-02



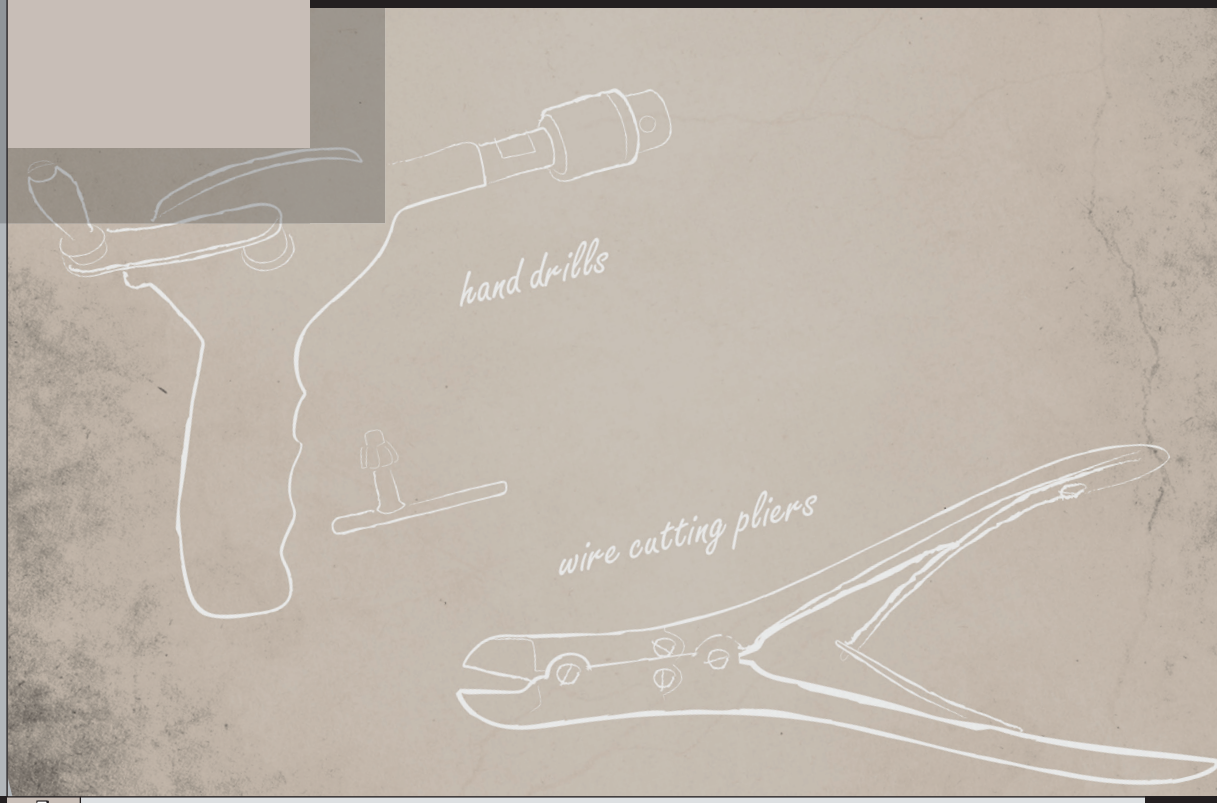
Shape	BS	BA	BD
Cup 0	192-603-00	192-604-00	192-605-00
Cup 1	192-603-01	192-604-01	192-605-01
Cup 2	192-603-02	192-604-02	192-605-02

192-606-01	Lumbar Bayonet Penfield Dissector; #1		24,0 cm; 9 1/2"
192-606-02	Lumbar Bayonet Penfield Dissector; #2		24,0 cm; 9 1/2"
192-606-03	Lumbar Bayonet Penfield Dissector; #4		24,0 cm; 9 1/2"
192-607-01	Lumbar Bayonet Nerve Hook		24,0 cm; 9 1/2"
192-607-02	Lumbar Bayonet Cone Waxer		24,0 cm; 9 1/2"
192-607-03	Lumbar Bayonet Spine Probe		24,0 cm; 9 1/2"



TONTARRA

OPEN SURGERY



Raspatorien; Feilen

Periosteal Elevators; Bone Files

Elevadores; Limas para hueso

Elévateurs; Limes á os

Elevatori; Lime per ossa

193

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

KEY



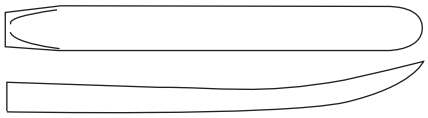
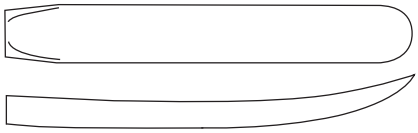
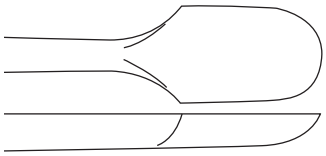
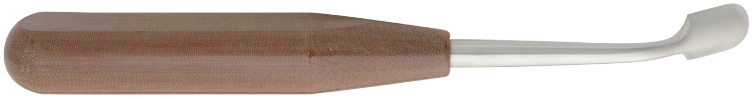
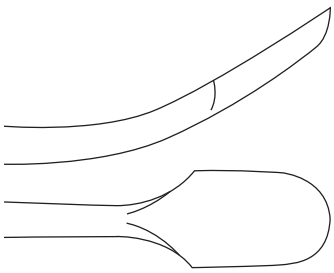


193-370-03	17,5 cm; 7" 3,0 mm		
193-370-06	18,0 cm; 7 1/8" 6,5 mm	193-370-19	20,0 cm; 8" 19,5 mm
193-370-12	19,0 cm; 7 4/8" 12,5 mm	193-370-24	21,0 cm; 8 1/4" 24,5 mm
193-370-16	20,0 cm; 8" 16,0 mm		

LANGENBECK — 19,0 cm; 7 4/8"

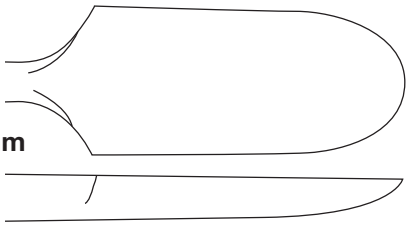


193-383-19	16,0 mm	193-387-19	12,0 mm
193-385-19	16,0 mm	193-389-18	12,0 mm

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
		17,0 cm; 6 6/8"	
			
193-399-06		6,0 mm	
193-399-08		8,0 mm	
193-404-20		20,0 cm; 7 7/8"; FERROZELL	
		14,0 mm	
193-405-20		19,0 cm; 7 4/8"; FERROZELL	
		14,0 mm	

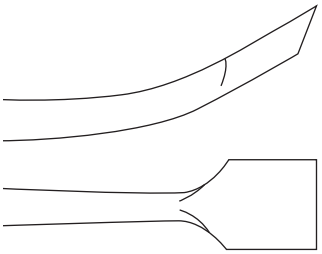
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
193-408-20		20,5 cm; 7 1/8"; FERROZELL	





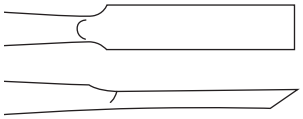
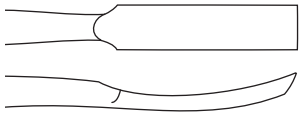
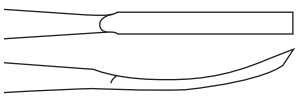
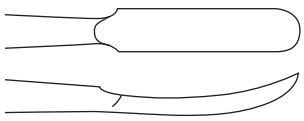
193-411-19		19,0 cm; 7 4/8"; FERROZELL	





		18,0 cm; 7 1/8"; FERROZELL	

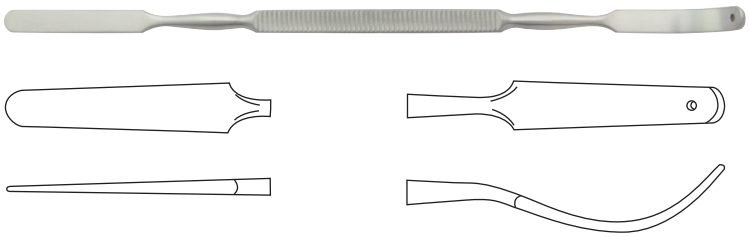


193-414-18	6,0 mm		193-417-18	6,0 mm	
193-415-18	3,0 mm		193-419-18	6,0 mm	

Art.Nr.	Beschreibung | *Description*		*Size*	*Spez.*
193-437-21	**ALDERDYCE**		21,0 cm; 8 2/8"	

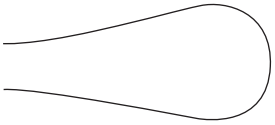
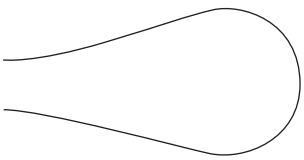


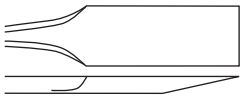
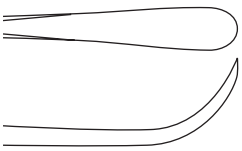
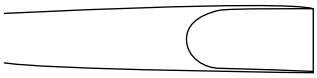
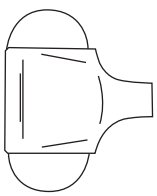
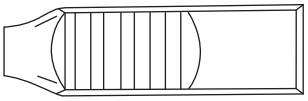
193-440-19	**MC DONALD**		18,5 cm; 7 2/8"	

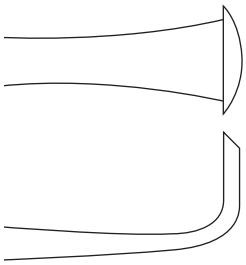
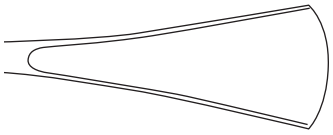
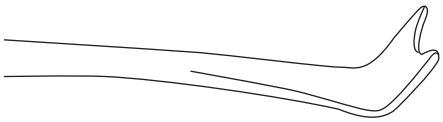
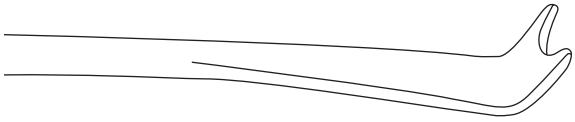
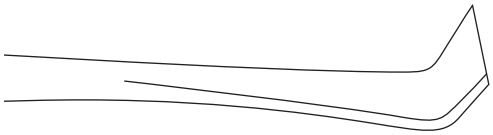
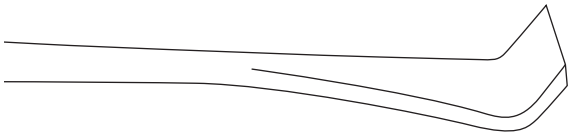
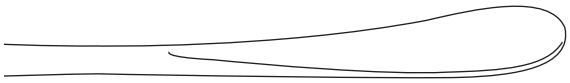


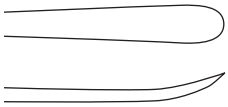
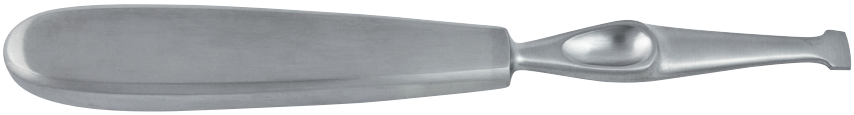
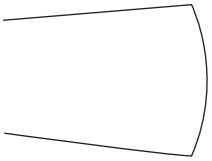
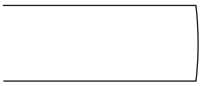
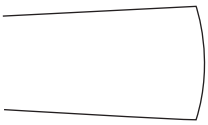
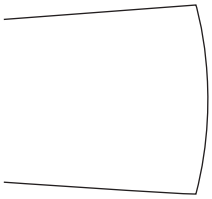
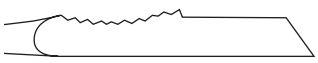
HOEN



193-463-07	7,0 mm	16,0 cm; 6 2/8"	
193-463-15	15,0 mm	19,0 cm; 7 4/8"	
193-463-20	20,0 mm	19,0 cm; 7 4/8"	

Art.Nr.	Beschreibung | *Description*		*Size*	*Spez.*
	CUSHING			
				
	gebogen | curved | curva | courbe | curva			
193-464-04	**4,0 mm**	**17,5 cm; 7"**		
193-464-05	**5,0 mm**	**17,5 cm; 7"**		
193-464-06	**6,0 mm**	**19,5 cm; 7 6/8"**		
193-464-07	**7,0 mm**	**19,5 cm; 7 6/8"**		
	ADSON		**17,0 cm; 6 6/8"**	
				
193-465-01	**8,0 mm**			
193-465-02	**7,0 mm**			
193-465-03	**7,0 mm**			
193-465-04	**7,0 mm**			
193-466-08	**CUSHING**		**17,0 cm; 6 6/8"**	
			**8,0 mm** 	
193-469-21	**ALEXANDER**		**21,0 cm; 8 2/8"**	
				
				

Art.Nr.	Beschreibung | *Description*		*Size*	*Spez.*
193-471-18	**LANGENBECK**		18,0 cm; 7 1/8"	
		14,0 mm		
193-472-19	**LANGENBECK**		19,0 cm; 7 4/8"	
		18,0 mm		
	SEMB			
				
193-473-01	Fig. 1	12,0 mm		19,0 cm; 7 4/8"
193-473-02	Fig. 2	12,0 mm		22,0 cm; 8 5/8"
193-473-03	Fig. 3	14,0 mm		19,0 cm; 7 4/8"
193-473-04	Fig. 4	14,0 mm		22,0 cm; 8 5/8"
193-473-05	Fig. 5	16,0 mm		23,0 cm; 9"

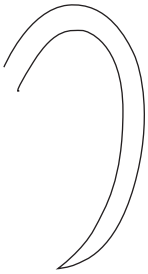
Art.Nr.	Beschreibung | *Description*		*Size*	*Spez.*
193-476-15	**KÖNIG**		**15,5 cm; 6 1/8"**	
		**5,0 mm**		
	LAMBOTTE		**21,5 cm; 8 4/8"**	
				
193-477-05	**5,0 mm** 	193-477-20	**20,0 mm**	
193-477-10	**10,0 mm** 			
193-477-15	**15,0 mm** 	193-477-25	**25,0 mm**	
193-478-15	**FARABEUF**		**15,5 cm; 6 1/8"**	
	gerade | straight | recta | droite | retta			
		**12,5 mm**		
193-479-15	**FARABEUF**		**15,5 cm; 6 1/8"**	
	gebogen | curved | curva | courbe | curva			
		**12,5 mm**		

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	WILLIGER	**16,0 cm; 6 4/8"**	
			
193-480-04	**4,0 mm**		
193-480-06	**6,0 mm** 		
193-480-08	**8,0 mm**		
193-480-14	**WILLIGER**	**13,0 cm; 5 1/8"**	
	 **6,0 mm** 		
193-488-21	**SEDILLOT**	**22,0 cm; 8 5/8"**	
	 **15,0 mm** 		

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	DOYEN	**17,5 cm; 7"**	
	für Erwachsene | for adults | para adultos | pour adultes | per adulti		

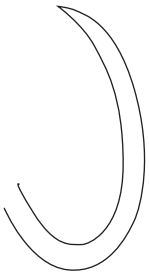


193-481-17



rechts gebogen | curved right
curva a la derecha | courbé à droite
curvo destro

193-483-17



links gebogen | curved left
curva a la izquierda | courbé à gauche
curvo sinistro

	DOYEN	**17,5 cm; 7"**	
	für Kinder | for children | para niños | pour enfants | per bambini		



193-485-17



rechts gebogen | curved right
curva a la derecha | courbé à droite
curvo destro

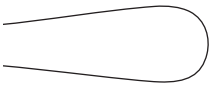
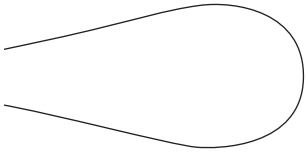
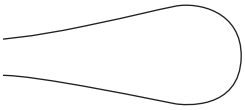
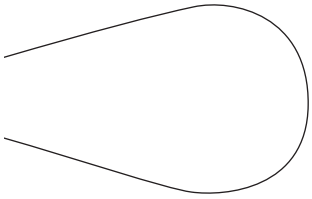
193-487-17



links gebogen | curved left
curva a la izquierda | courbé à gauche
curvo sinistro

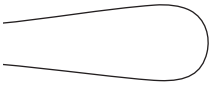
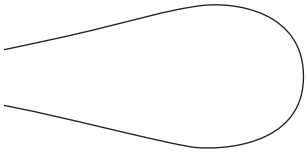
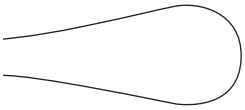
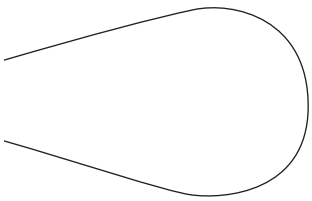
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	COBB	**28,0 cm; 11"**	



193-493-10	**10,0 mm** 	**193-493-19**	**19,0 mm** 
193-493-13	**13,0 mm** 	**193-493-25**	**25,0 mm** 

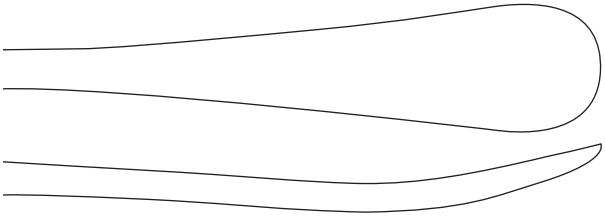
COBB	**25,0 cm; 9 7/8"; FERROZELL**	



193-495-10	**10,0 mm** 	**193-495-19**	**19,0 mm** 
193-495-13	**13,0 mm** 	**193-495-25**	**25,0 mm** 

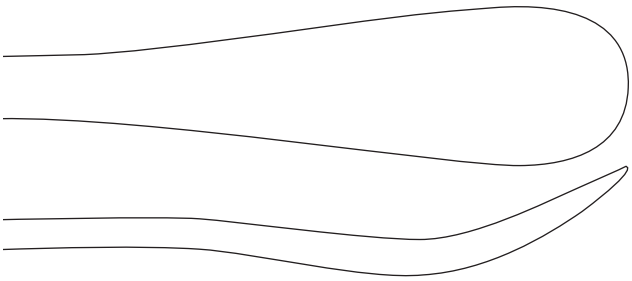
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	WAGNER	**33,0 cm; 13"; FERROZELL**	

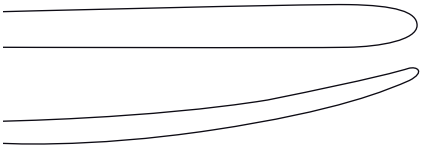
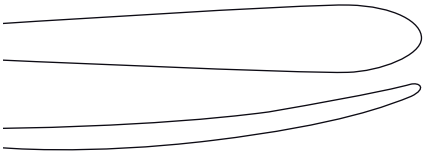
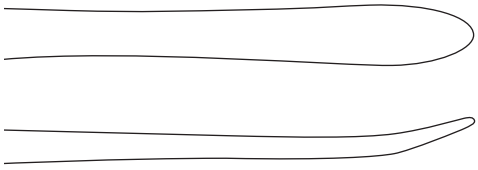
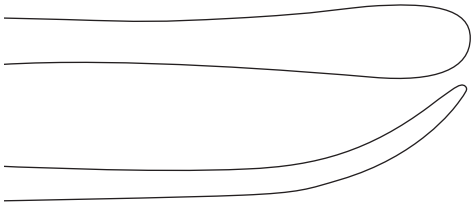


193-497-08	**8,0 mm**	
193-497-17	**17,0 mm**	

27,5 cm; 10 7/8"; FERROZELL



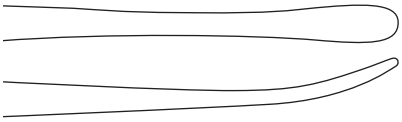
193-499-27	**20,0 mm**	

Art.Nr.	Beschreibung | *Description*		*Size*	*Spez.*
	WILLIGER			
				
193-512-16	**4,0 mm**	**16,0 cm; 6 2/8"**		
				
193-512-17	**7,0 mm**	**17,0 cm; 6 6/8"**		
				
	LANGENBECK		**19,5 cm; 7 5/8"**	
				
193-520-08	**8,0 mm**			
193-520-10	**10,0 mm**			
				
193-521-23	**LANGENBECK**		**23,0 cm; 9"**	
				
	11,0 mm			
				

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
193-523-17	**SEBILEAU**	17,0 cm; 6 6/8"	



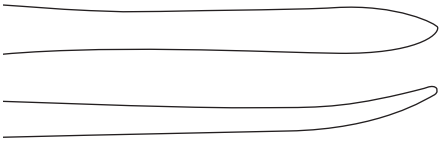
5,0 mm



193-525-19	**QUERVAIN**	20,0 cm; 8"	



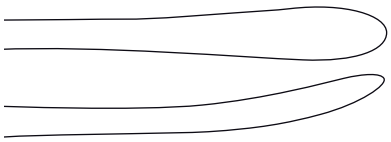
6,0 mm



LANGENBECK

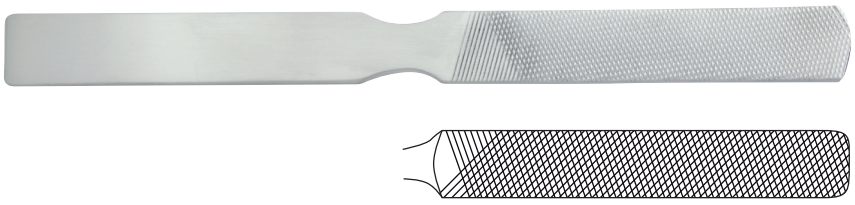


193-526-05	5,0 mm	17,0 cm; 6 6/8"	
193-526-07	7,0 mm	17,0 cm; 6 6/8"	
193-526-08	8,0 mm	19,5 cm; 7 5/8"	
193-526-10	10,0 mm	19,5 cm; 7 5/8"	

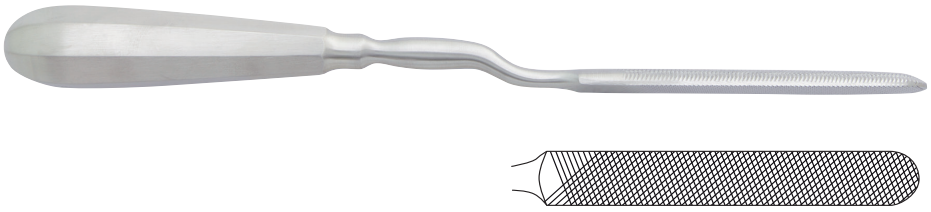


Knochenfeilen
Bone Files
Limas para huesos
Limes à os
Lime per ossa

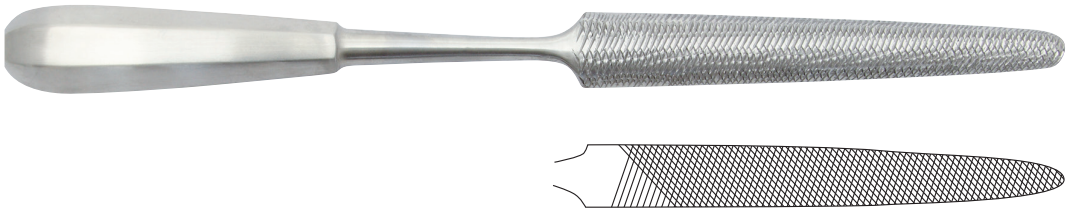
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
193-610-22		22,0 cm; 8 5/8"	



193-611-24		25,0 cm; 9 7/8"	



193-612-28		28,0 cm; 11"	



193-625-27	PUTTI	27,0 cm; 10 7/8"	

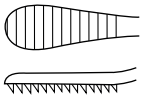
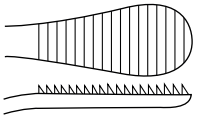
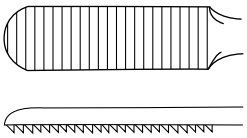
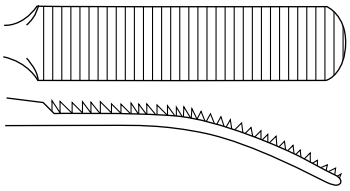
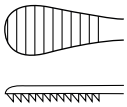
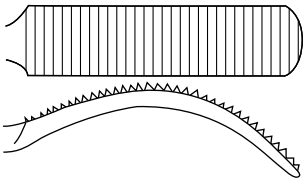
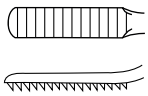
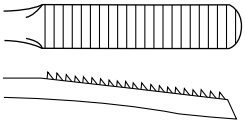
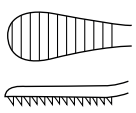
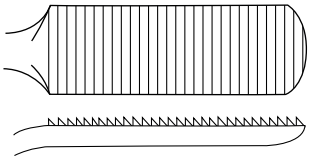


193-625-30	PUTTI	30,0 cm; 11 6/8"	



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	MILLER-COLBURN	**18,0 cm; 7 1/8"**	
	auf Zug schneidend | downwards cutting corte abajo | tranchante en bas | tagliente in basso		



193-620-01		**Fig. 1**	
193-620-02		**Fig. 2**	
193-620-03		**Fig. 3**	
193-620-04		**Fig. 4**	
193-620-05		**Fig. 5**	

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
		15,5 cm; 6 1/8"	

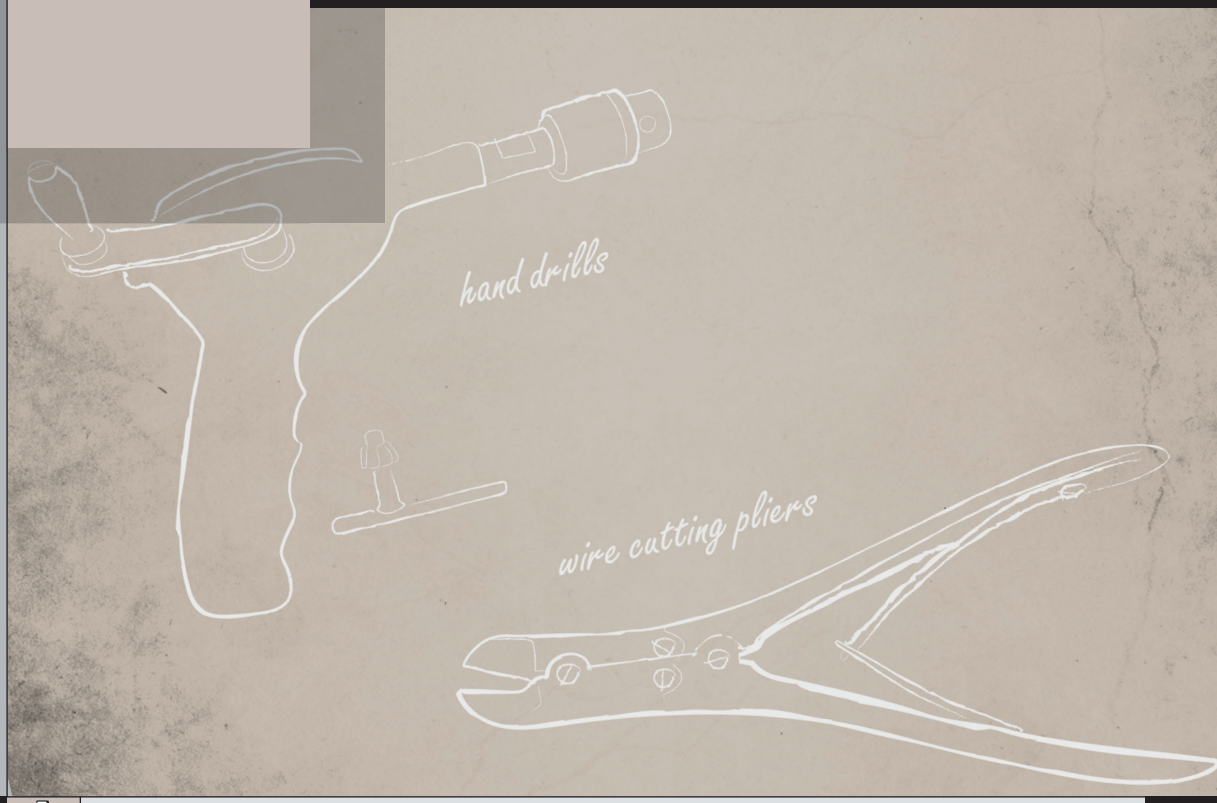


193-640-02	Ø 2,0 mm	193-640-06	Ø 6,0 mm	
193-640-03	Ø 3,0 mm	193-640-08	Ø 8,0 mm	
193-640-04	Ø 4,0 mm	193-640-10	Ø 10,0 mm	
193-640-05	Ø 5,0 mm			



TONTARRA

OPEN SURGERY



Osteotome
Flach- und Hohlmeißel

Osteotomes; Chisels; Gouges

Osteótomos; Cinceles; Gubias

Ostéotomes; Burins Plats; Gouges

Osteotomi; Scalpelli; Sgorbie

194

Osteotome; Flachmeißel; Hohlmeißel
Osteotomes; Chisels; Gouges
Osteótomos; Cinceles; Gubias
Ostéotomes; Burins Plats; Gouges
Osteotomi; Scalpelli; Sgorbie

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
		13,5 cm; 5 3/8"	
194-300-04	4,0 mm		
194-300-06	6,0 mm		
194-300-08	8,0 mm		
194-300-10	10,0 mm		
194-300-12	12,0 mm		
194-300-14	14,0 mm		
194-300-16	16,0 mm		
		13,5 cm; 5 3/8"	
194-301-04	4,0 mm		
194-301-06	6,0 mm		
194-301-08	8,0 mm		
194-301-10	10,0 mm		
194-301-12	12,0 mm		
194-301-14	14,0 mm		
194-301-16	16,0 mm		
		13,5 cm; 5 3/8"	
194-302-04	4,0 mm		
194-302-06	6,0 mm		
194-302-08	8,0 mm		
194-302-10	10,0 mm		
194-302-12	12,0 mm		
194-302-14	14,0 mm		
194-302-16	16,0 mm		

Osteotome; Flachmeißel; Hohlmeißel
Osteotomes; Chisels; Gouges
Osteótomos; Cinceles; Gubias
Ostéotomes; Burins Plats; Gouges
Osteotomi; Scalpelli; Sgorbie

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	HOKE	**14,0 cm; 5 4/8"**	



194-306-02	2,0 mm		194-306-07	7,0 mm	
194-306-03	3,0 mm		194-306-08	8,0 mm	
194-306-04	4,0 mm		194-306-09	9,0 mm	
194-306-05	5,0 mm		194-306-10	10,0 mm	
194-306-06	6,0 mm		194-306-12	12,0 mm	

HOKE	**14,0 cm; 5 4/8"**	



194-307-02	2,0 mm		194-307-07	7,0 mm	
194-307-03	3,0 mm		194-307-08	8,0 mm	
194-307-04	4,0 mm		194-307-10	10,0 mm	
194-307-05	5,0 mm		194-307-12	12,0 mm	
194-307-06	6,0 mm				

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	ALEXANDER	**17,5 cm; 6 7/8"**	
194-316-04	**4,0 mm**		
194-316-06	**6,0 mm**		
194-316-08	**8,0 mm**		
194-316-10	**10,0 mm**		
194-316-12	**12,0 mm**		
194-316-14	**14,0 mm**		
	ALEXANDER	**17,5 cm; 6 7/8"**	
194-318-04	**4,0 mm**		
194-318-06	**6,0 mm**		
194-318-08	**8,0 mm**		
194-318-10	**10,0 mm**		
194-318-12	**12,0 mm**		
194-318-14	**14,0 mm**		
	ALEXANDER	**17,5 cm; 6 7/8"**	
194-319-04	**4,0 mm**		
194-319-06	**6,0 mm**		
194-319-08	**8,0 mm**		
194-319-10	**10,0 mm**		
194-319-12	**12,0 mm**		
194-319-14	**14,0 mm**		

Osteotome; Flachmeißel; Hohlmeißel
Osteotomes; Chisels; Gouges
Osteótomos; Cinceles; Gubias
Ostéotomes; Burins Plats; Gouges
Osteotomi; Scalpelli; Sgorbie

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	PARTSCH	**13,5 cm; 5 3/8"**	



194-334-02	2,0 mm		194-334-06	6,0 mm	
194-334-03	3,0 mm		194-334-07	7,0 mm	
194-334-04	4,0 mm		194-334-08	8,0 mm	
194-334-05	5,0 mm				

PARTSCH	**13,5 cm; 5 3/8"**	



194-336-02	2,0 mm		194-336-06	6,0 mm	
194-336-03	3,0 mm		194-336-07	7,0 mm	
194-336-04	4,0 mm		194-336-08	8,0 mm	
194-336-05	5,0 mm				

PARTSCH	**17,0 cm; 6 6/8"**	



194-338-02	2,0 mm		194-338-06	6,0 mm	
194-338-03	3,0 mm		194-338-07	7,0 mm	
194-338-04	4,0 mm		194-338-08	8,0 mm	
194-338-05	5,0 mm				

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	PARTSCH	**17,0 cm; 6 6/8"**	



194-340-02	**2,0 mm**	**194-340-06**	**6,0 mm**
194-340-03	**3,0 mm**	**194-340-07**	**7,0 mm**
194-340-04	**4,0 mm**	**194-340-08**	**8,0 mm**
194-340-05	**5,0 mm**		

	HIBBS	**24,5 cm; 9 5/8"**	



194-342-06	**6,0 mm**	**194-342-22**	**22,0 mm**
194-342-09	**9,0 mm**		
194-342-13	**13,0 mm**	**194-342-25**	**25,0 mm**
194-342-16	**16,0 mm**	**194-342-28**	**28,0 mm**
194-342-19	**19,0 mm**	**194-342-32**	**32,0 mm**

Osteotome; Flachmeißel; Hohlmeißel
Osteotomes; Chisels; Gouges
Osteótomos; Cinceles; Gubias
Ostéotomes; Burins Plats; Gouges
Osteotomi; Scalpelli; Sgorbie

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	HIBBS	**24,5 cm; 9 5/8"**	



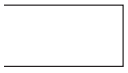
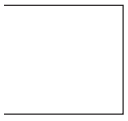


gerade | straight | recta | droite | retta

194-344-06	**6,0 mm**	
194-344-09	**9,0 mm**	
194-344-13	**13,0 mm**	
194-344-16	**16,0 mm**	
194-344-19	**19,0 mm**	
194-344-22	**22,0 mm**	
194-344-25	**25,0 mm**	
194-344-28	**28,0 mm**	
194-344-32	**32,0 mm**	



gebogen | curved | curva | courbe | curva

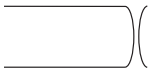
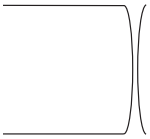
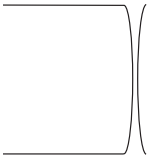
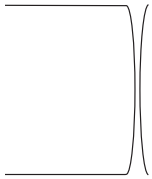
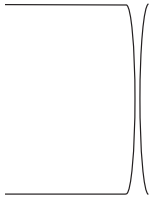
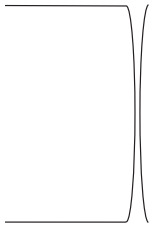
194-345-06	**6,0 mm**	
194-345-09	**9,0 mm**	
194-345-13	**13,0 mm**	
194-345-16	**16,0 mm**	
194-345-19	**19,0 mm**	
194-345-22	**22,0 mm**	
194-345-25	**25,0 mm**	
194-345-28	**28,0 mm**	
194-345-32	**32,0 mm**	

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	HIBBS	**24,5 cm; 9 5/8"**	



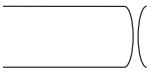
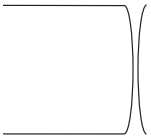
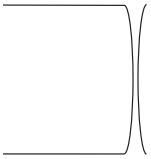
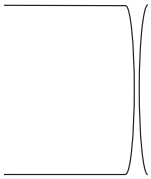
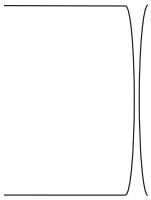
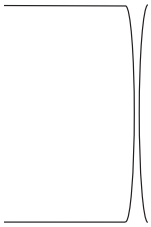


gerade | straight | recta | droite | retta

194-346-06	6,0 mm	
194-346-09	9,0 mm	
194-346-13	13,0 mm	
194-346-16	16,0 mm	
194-346-19	19,0 mm	
194-346-22	22,0 mm	
194-346-25	25,0 mm	
194-346-28	28,0 mm	
194-346-32	32,0 mm	



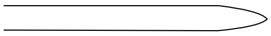
gebogen | curved | curva | courbe | curva

194-347-06	6,0 mm	
194-347-09	9,0 mm	
194-347-13	13,0 mm	
194-347-16	16,0 mm	
194-347-19	19,0 mm	
194-347-22	22,0 mm	
194-347-25	25,0 mm	
194-347-28	28,0 mm	
194-347-32	32,0 mm	

Osteotome; Flachmeißel; Hohlmeißel
Osteotomes; Chisels; Gouges
Osteótomos; Cinceles; Gubias
Ostéotomes; Burins Plats; Gouges
Osteotomi; Scalpelli; Sgorbie

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	SMITH-PETERSEN	**20,5 cm; 8 1/8"**	





gerade | straight | recta | droite | retta

194-350-06	6,0 mm	
194-350-09	9,0 mm	
194-350-13	13,0 mm	
194-350-16	16,0 mm	
194-350-19	19,0 mm	
194-350-25	25,0 mm	
194-350-32	32,0 mm	



gebogen | curved | curva | courbe | curva

194-351-06	6,0 mm	
194-351-09	9,0 mm	
194-351-13	13,0 mm	
194-351-16	16,0 mm	
194-351-19	19,0 mm	
194-351-25	25,0 mm	
194-351-32	32,0 mm	

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	SMITH-PETERSEN	**20,5 cm; 8 1/8"**	



194-352-06	**6,0 mm**		
194-352-09	**9,0 mm**	**194-352-19**	**19,0 mm**
194-352-14	**13,0 mm**		
194-352-16	**16,0 mm**	**194-352-25**	**25,0 mm**

	SMITH-PETERSEN	**20,5 cm; 8 1/8"**	



194-353-09	**9,0 mm**	**194-353-19**	**19,0 mm**
194-353-14	**13,0 mm**		
194-353-16	**16,0 mm**	**194-353-25**	**25,0 mm**

Osteotome; Flachmeißel; Hohlmeißel
Osteotomes; Chisels; Gouges
Osteótomos; Cinceles; Gubias
Ostéotomes; Burins Plats; Gouges
Osteotomi; Scalpelli; Sgorbie

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	STILLE	**20,5 cm; 8 1/8"**	

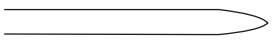




194-360-08	**8,0 mm**		
194-360-10	**10,0 mm**	**194-360-20**	**20,0 mm**
194-360-12	**12,0 mm**		
194-360-15	**15,0 mm**	**194-360-25**	**25,0 mm**

	STILLE	**20,5 cm; 8 1/8"**	





194-361-08	**8,0 mm**	**194-361-20**	**20,0 mm**
194-361-10	**10,0 mm**		
194-361-12	**12,0 mm**	**194-361-25**	**25,0 mm**
194-361-15	**15,0 mm**		
		194-361-30	**30,0 mm**

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	STILLE	**20,5 cm; 8 1/8"**	



194-362-08	8,0 mm		
194-362-10	10,0 mm	194-362-20	20,0 mm
194-362-12	12,0 mm		
194-362-15	15,0 mm	194-362-25	25,0 mm

MINI-LEXER — **18,0 cm; 7 1/8"; FERROZELL**



194-370-04	4,0 mm	194-370-12	12,0 mm
194-370-06	6,0 mm	194-370-15	15,0 mm
194-370-08	8,0 mm		
194-370-10	10,0 mm	194-370-20	20,0 mm

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	MINI-LEXER	**18,0 cm; 7 1/8";** FERROZELL	



194-372-04	4,0 mm	194-372-12	12,0 mm
194-372-06	6,0 mm		
194-372-08	8,0 mm		
194-372-10	10,0 mm		

	LEXER	**22,0 cm; 8 5/8";** FERROZELL	



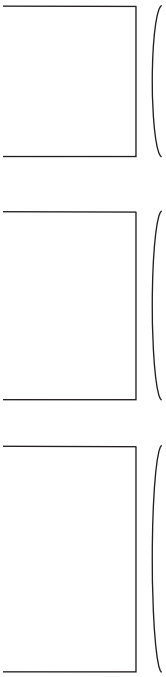
194-374-05	5,0 mm	194-374-20	20,0 mm
194-374-07	7,0 mm		
194-374-10	10,0 mm	194-374-25	25,0 mm
194-374-12	12,0 mm		
194-374-15	15,0 mm	194-374-30	30,0 mm

Osteotome; Flachmeißel; Hohlmeißel
Osteotomes; Chisels; Gouges
Osteótomos; Cinceles; Gubias
Ostéotomes; Burins Plats; Gouges
Osteotomi; Scalpelli; Sgorbie

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	LEXER	**22,0 cm; 8 5/8";** FERROZELL	



194-376-05	5,0 mm	194-376-20	20,0 mm
194-376-07	7,0 mm		
194-376-10	10,0 mm	194-376-25	25,0 mm
194-376-15	15,0 mm		
		194-376-30	30,0 mm



	LEXER	**27,5 cm; 10 7/8";** FERROZELL	



194-381-10	10,0 mm		
194-381-15	15,0 mm		

Osteotome; Flachmeißel; Hohlmeißel
Osteotomes; Chisels; Gouges
Osteótomos; Cinceles; Gubias
Ostéotomes; Burins Plats; Gouges
Osteotomi; Scalpelli; Sgorbie

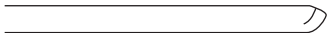
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	LEXER	**27,5 cm; 10 7/8";** FERROZELL	



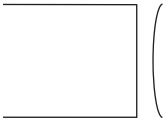
194-383-10	5,0 mm	
194-383-15	15,0 mm	

LEXER — **24,5 cm; 9 5/8";** FERROZELL





gerade | straight | recta | droite | retta

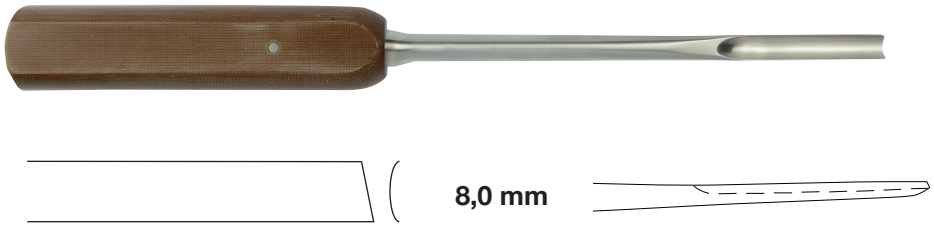
194-386-05	5,0 mm	
194-386-10	10,0 mm	
194-386-15	15,0 mm	



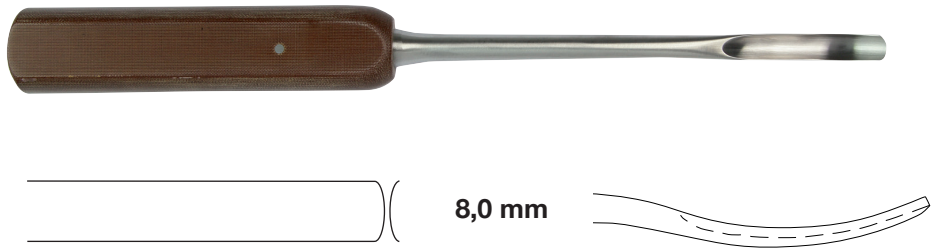
gebogen | curved | curva | courbe | curva

194-387-05	5,0 mm	
194-387-10	10,0 mm	
194-387-15	15,0 mm	

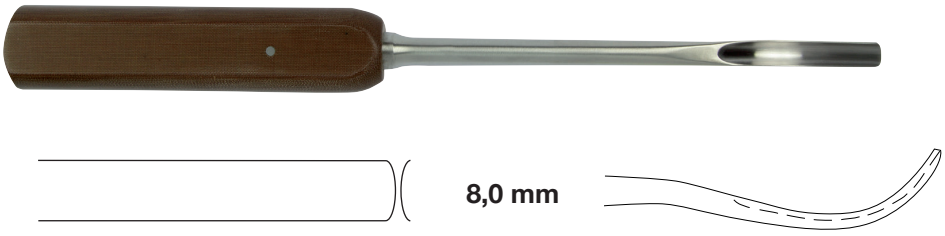
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
194-390-28	COBB	27,5 cm; 10 7/8";	FERROZELL



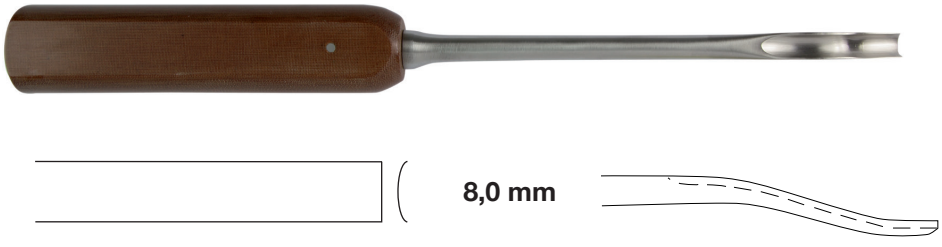
194-391-27	COBB	27,5 cm; 10 7/8";	FERROZELL



194-393-27	COBB	27,5 cm; 10 7/8";	FERROZELL

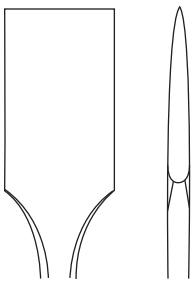
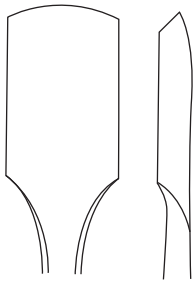
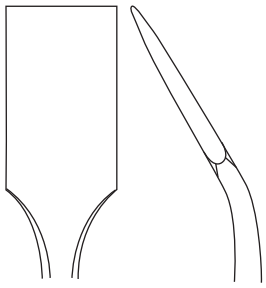
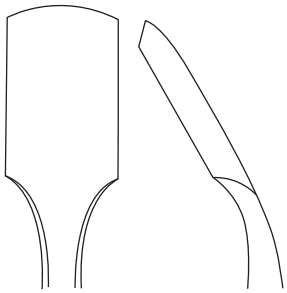


194-395-27	COBB	27,5 cm; 10 7/8";	FERROZELL



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	DAHMEN	**30,0 cm; 11 6/8";** FERROZELL	

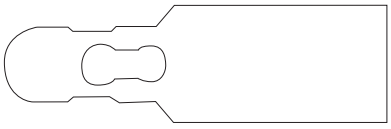


	Osteotom **Osteotome** Osteótomos Ostéotome Osteotomi	**Hohlmeißel** **Gouge** Gubias Gouge Sgorbie	**Osteotom** **Osteotome** Osteótomos Ostéotome Osteotomi	**Hohlmeißel** **Gouge** Gubias Gouge Sgorbie
				
4,0 mm	**194-402-04**	**194-406-04**	**194-403-04**	**194-407-04**
5,0 mm	**194-402-05**	**194-406-05**	**194-403-05**	**194-407-05**
6,0 mm	**194-402-06**	**194-406-06**	**194-403-06**	**194-407-06**
8,0 mm	**194-402-08**	**194-406-08**	**194-403-08**	**194-407-08**
10,0 mm	**194-402-10**	**194-406-10**	**194-403-10**	**194-407-10**
12,0 mm	**194-402-12**	**194-406-12**	**194-403-12**	**194-407-12**
15,0 mm	**194-402-15**	**194-406-15**	**194-403-15**	**194-407-15**
20,0 mm	**194-402-20**	**194-406-20**	**194-403-20**	**194-407-20**
22,0 mm	**194-402-22**	**194-406-22**	**194-403-22**	**194-407-22**
25,0 mm	**194-402-25**	**194-406-25**	**194-403-25**	**194-407-25**

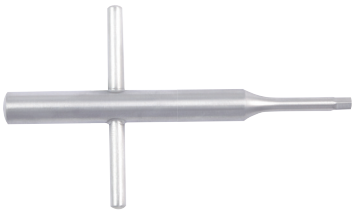
Osteotome; Flachmeißel; Hohlmeißel
Osteotomes; Chisels; Gouges
Osteótomos; Cinceles; Gubias
Ostéotomes; Burins Plats; Gouges
Osteotomi; Scalpelli; Sgorbie

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
194-430-18	**Meißelgriff mit Schlüssel für auswechselbare Klingen** **Chisel handle with key for interchangeable blades** Mango de cincel para hojas intercambiables Manche de burin pour lames interchangéables Manico per scalpello per lami intercambiabili	18,5 cm; 7 2/8"	FERROZELL

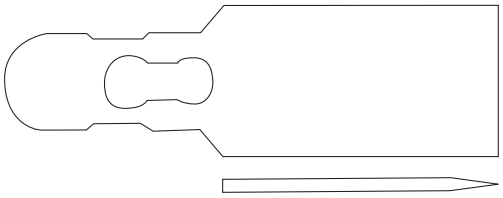




194-430-01	**Spannschlüssel** **Key** Llave Clé Chiave		



Osteotomklinge
Osteotome blade
Hojas de osteótomo
Lame d'ostéotome
Lame per osteotomi



194-431-05	5,0 mm	
194-431-10	10,0 mm	
194-431-16	16,0 mm	
194-431-25	25,0 mm	

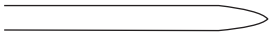
Osteotome; Flachmeißel; Hohlmeißel
Osteotomes; Chisels; Gouges
Osteótomos; Cinceles; Gubias
Ostéotomes; Burins Plats; Gouges
Osteotomi; Scalpelli; Sgorbie

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	Flachmeißelklinge **Chisel blade** Hojas de cincel Lame de burin plat Lame scalpelli		
194-432-05	5,0 mm		
194-432-10	10,0 mm		
194-432-16	16,0 mm		
194-432-25	25,0 mm		
	Hohlmeißelklinge **Gouge blades** Hojas de gubia Lame de gouge Lame sgorbie		
194-433-50	25,0 mm	r = 50,0 mm	
194-433-60	25,0 mm	r = 60,0 mm	
194-433-70	25,0 mm	r = 70,0 mm	

Osteotome; Flachmeißel; Hohlmeißel
Osteotomes; Chisels; Gouges
Osteótomos; Cinceles; Gubias
Ostéotomes; Burins Plats; Gouges
Osteotomi; Scalpelli; Sgorbie

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	MINI-LAMBOTTE	**12,5 cm; 4 7/8"**	

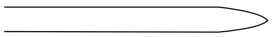




194-446-02	2,0 mm		194-446-08	8,0 mm	
194-446-03	3,0 mm		194-446-10	10,0 mm	
194-446-04	4,0 mm		194-446-12	12,0 mm	
194-446-06	6,0 mm		194-446-15	15,0 mm	

MINI-LAMBOTTE	**17,0 cm; 6 6/8"**	





194-448-03	3,0 mm		194-448-10	10,0 mm	
194-448-04	4,0 mm		194-448-12	12,0 mm	
194-448-06	6,0 mm		194-448-15	15,0 mm	
194-448-08	8,0 mm				

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	LAMBOTTE	**24,0 cm; 9 4/8"**	



194-450-04	4,0 mm		
194-450-06	6,0 mm	194-450-30	30,0 mm
194-450-08	8,0 mm		
194-450-10	10,0 mm		
194-450-13	13,0 mm	194-450-38	38,0 mm
194-450-15	15,0 mm		
194-450-18	18,0 mm	194-450-44	44,0 mm
194-450-20	20,0 mm		
		194-450-50	50,0 mm
194-450-25	25,0 mm		

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	LAMBOTTE	**24,0 cm; 9 4/8"**	

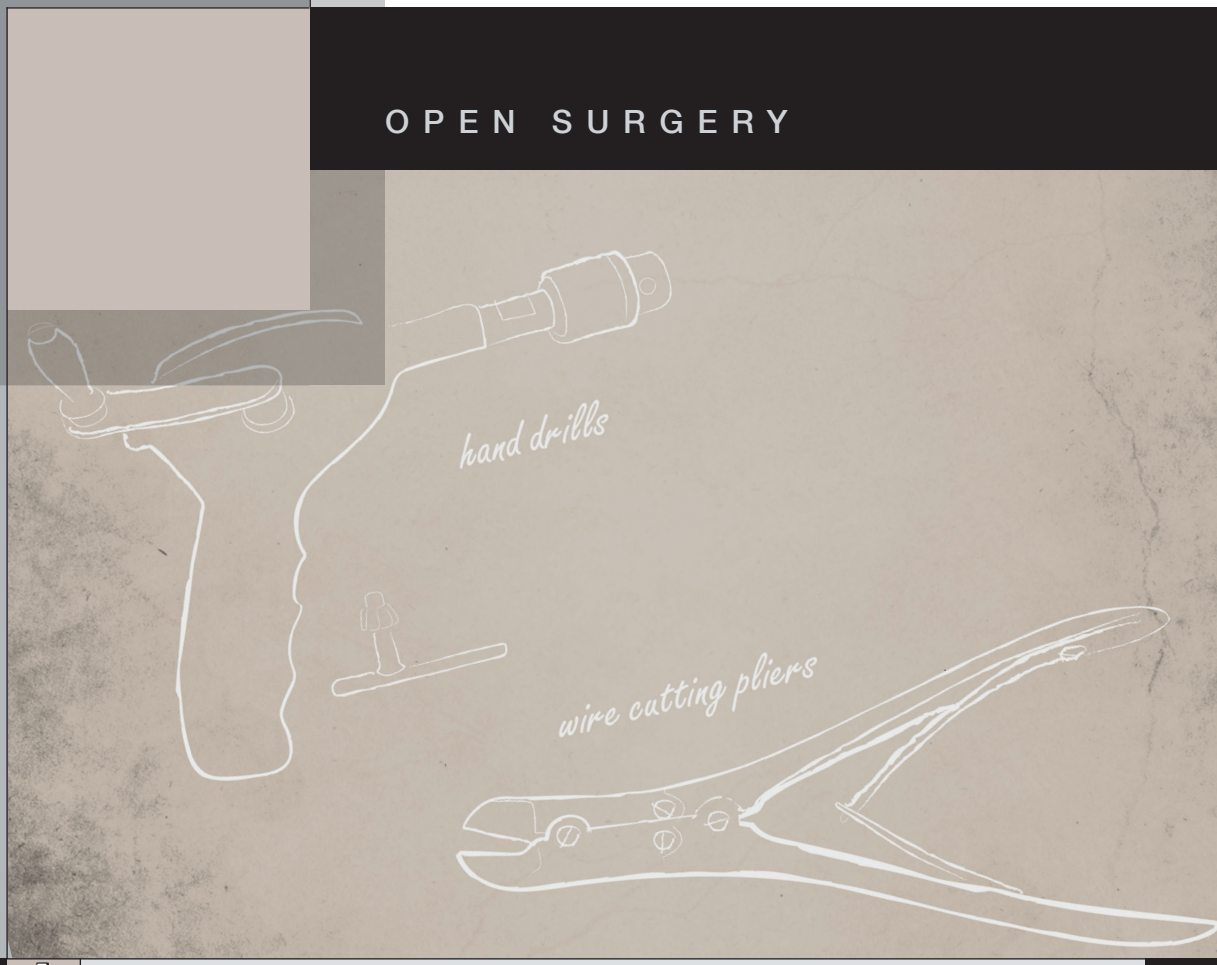


gebogen | curved | curva | courbe | curva

194-451-04	**4,0 mm**		
194-451-06	**6,0 mm**	**194-451-30**	**30,0 mm**
194-451-08	**8,0 mm**		
194-451-10	**10,0 mm**		
194-451-13	**13,0 mm**	**194-451-38**	**38,0 mm**
194-451-15	**15,0 mm**		
194-451-18	**18,0 mm**	**194-451-44**	**44,0 mm**
194-451-20	**20,0 mm**		
		194-451-50	**50,0 mm**
194-451-25	**25,0 mm**		

TONTARRA

OPEN SURGERY



Knochenhaltezangen
Sehneninstrumente

Bone Holding Forceps
Tendon Instruments

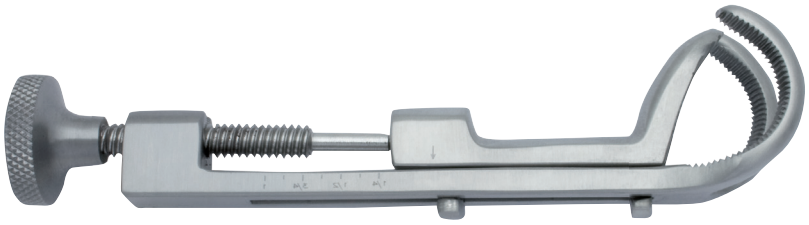
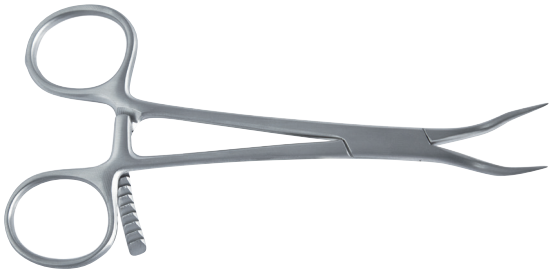
Pinzas para hueso
Instrumentos para tendones

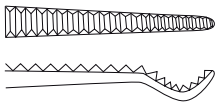
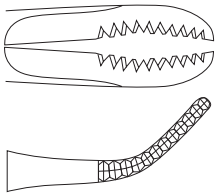
Daviers porte-os
Instruments pour les tendons

Tenaglie per ossa
Strumenti per tendini

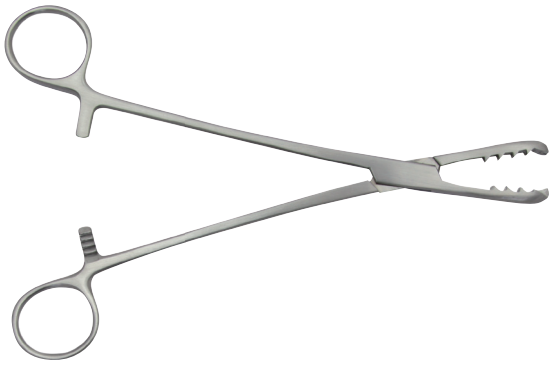
195

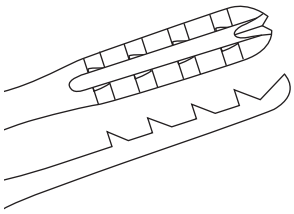
Knochenhalteklammern; Repositionszangen
Bone Holding Clamps; Reposition Forceps
Grapas porta-huesos; Pinzas para reposición
Daviers à os; Pinces à réposition
Tenaglie per ossa; Pinze per riposizioni

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	GERSTER-LOWMAN		
			
195-102-18	**18,0 cm; 7"**		
195-102-20	**20,0 cm; 8"**		
195-102-22	**22,0 cm; 8 6/8"**		
195-128-13		**13,5 cm; 5 1/4"**	
			
195-129-13		**13,5 cm; 5 1/4"**	
			

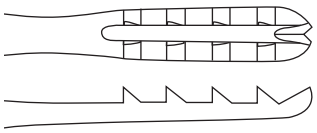
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
195-130-14		14,0 cm; 5 4/8" 	
195-132-14		14,5 cm; 5 6/8" 	
195-140-13		13,5 cm; 5 3/8" 	
195-141-23	VAN BUREN 	23,0 cm; 9" 	

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	BIRCHER-GANSKE	**20,0 cm; 7 7/8"**	

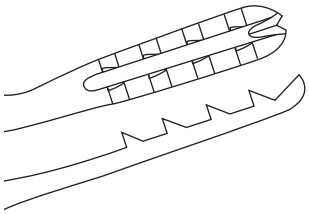




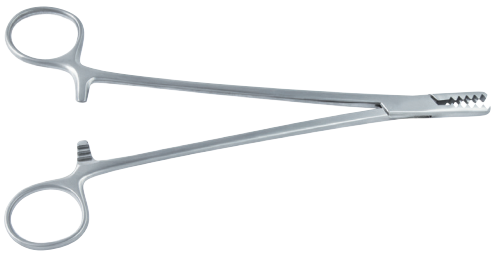
195-143-20	**seitwärts gebogen | curved sidewards** curva lateralmente | courbée sur le côté | curva lateralmente	

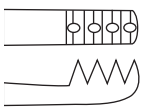


195-144-20	**gerade | straight** | recta | droite | retta	

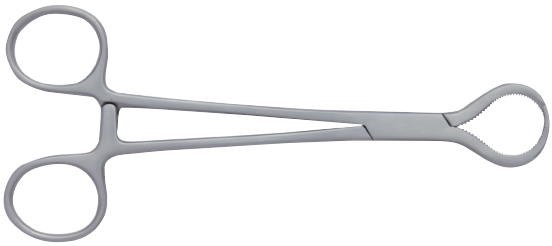


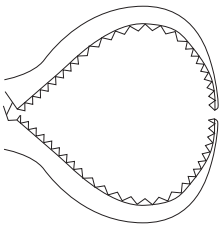
195-145-20	**aufgebogen | curved upwards** curva por arriba | courbée en haut | curva in alto	
195-154-19	**MARTIN**	**18,5 cm; 7 2/8"**





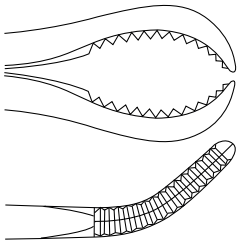
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
195-161-17	**LEWIN**	**18,0 cm; 7 1/8"**	





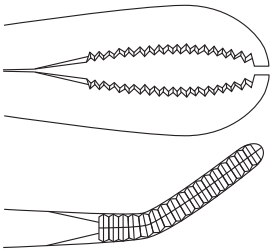
195-163-17	**mit Gewindesperre** **with thread fixation** con cremallera de rosca avec crémaillière filetée con cremagliera centrale a filettatura	**17,5 cm; 6 7/8"**	





195-163-24	**mit Gewindesperre** **with thread fixation** con cremallera de rosca avec crémaillière filetée con cremagliera centrale a filettatura	**24,0 cm; 9 4/8"**	





Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
195-174-21	**FERGUSSON**	21,0 cm; 8 2/8"	





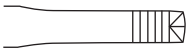
195-176-21	**LANGENBECK**	21,0 cm; 8 2/8"	





195-178-20		20,0 cm; 7 7/8"	

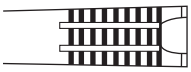
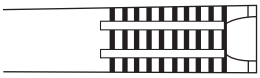




KERN

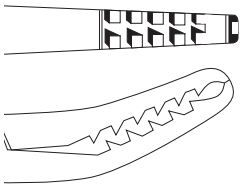
mit Sperre | with catch
con cremallera | avec crémaillière | con cremagliera



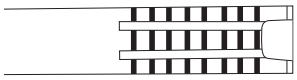
195-182-17		17,0 cm; 6 6/8"
195-182-21		21,0 cm; 8 1/4"

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
195-187-19	**SEMB**	19,5 cm; 7 5/8"	





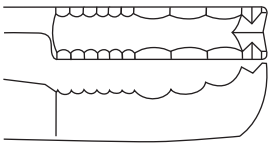
195-190-33	**LANE** **mit Sperre | with catch** con cremallera | avec crémaillière | con cremagliera	33,0 cm; 13"	





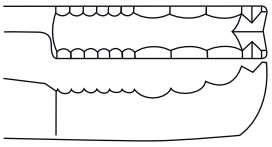
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
195-202-26	**FARABEUF** **mit Sperre | with catch** con cremallera | avec crémaillière | con cremagliera	**26,0 cm; 10 2/8"**	





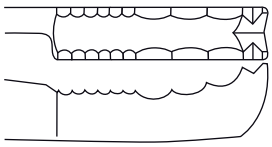
195-206-23	**FARABEUF**	**23,0 cm; 9"**	



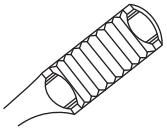


195-206-26	**FARABEUF**	**26,0 cm; 10 2/8"**	

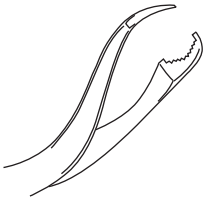




Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	VERBRUGGE		
	mit Sperre | with catch con cremallera | avec crémaillière | con cremagliera		

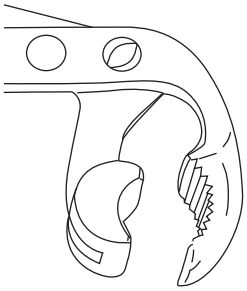






195-211-17	**17,5 cm; 6 7/8"**	
195-211-25	**25,0 cm; 9 7/8"**	
195-211-26	**26,0 cm; 10 2/8"**	
195-211-27	**27,0 cm; 10 7/8"**	
195-217-19	**LAMBOTTE** **mit Sperre | with catch** con cremallera | avec crémaillière | con cremagliera	**19,0 cm; 7 4/8"**



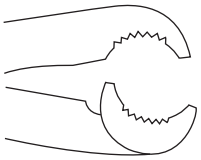


Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

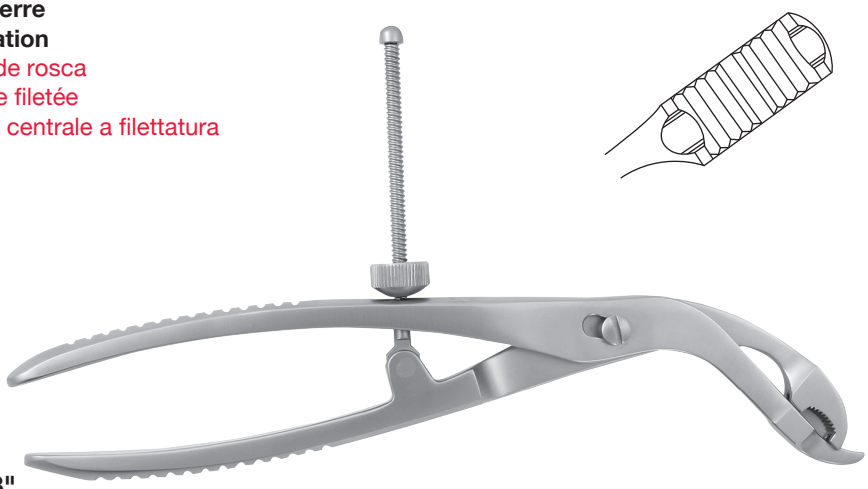
LAMBOTTE

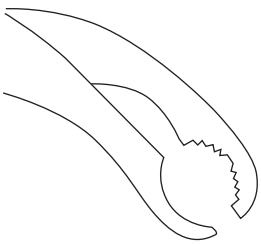
mit Sperre | with catch
con cremallera | avec crémaillière | con cremagliera



195-218-22	22,0 cm; 8 5/8"	
195-218-27	27,0 cm; 10 5/8"	
195-218-30	30,0 cm; 11 6/8"	

mit Gewindesperre
with thread fixation
con cremallera de rosca
avec crémaillière filetée
con cremagliera centrale a filettatura



195-221-15	15,0 cm; 5 7/8"	
195-221-19	20,0 cm; 7 7/8"	
195-221-24	24,0 cm; 9 4/8"	
195-221-26	26,0 cm; 10 2/8"	
195-221-28	28,0 cm; 11"	

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

ULRICH **mit Gewindesperre**
with thread fixation
con cremallera de rosca
avec crémaillière filetée
con cremagliera centrale a filettatura



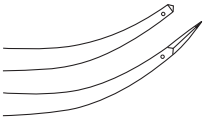
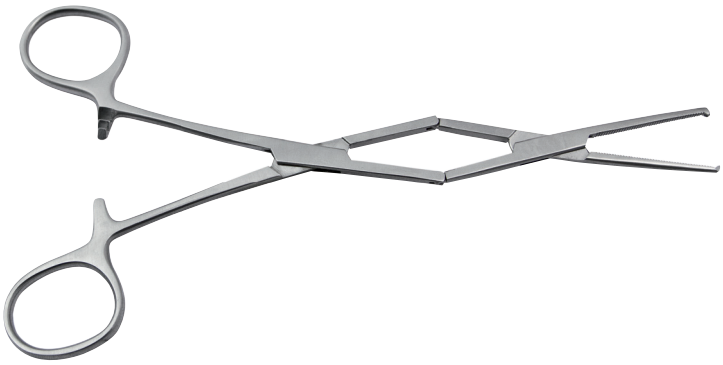
gebogen | curved | curva | courbé | curvo

195-225-23	23,0 cm; 9"
195-225-25	25,0 cm; 9 7/8"
195-225-28	28,0 cm; 11"

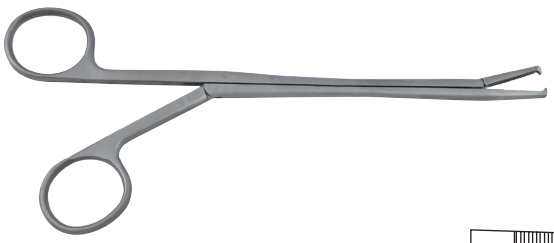
gerade | straight | recta | droite | retta

195-226-23	23,0 cm; 9"
195-226-25	25,0 cm; 9 7/8"
195-226-28	28,0 cm; 11"

Sehneneinflechtklemmen; Sehnendurchziehzangen
Tendon Interlacing Forceps; Tendon Holding Forceps
Pinza para entrelazar tendones; Pinzas para coger tendones
Pince pour entrelacer les tendons; Pinces pour saisir les tendons
Pinze per allacciare tendini; Pinze per afferrare tendini

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
		**15,0 cm; 5 7/8"**	
195-234-15			
195-235-15			
		**20,5 cm; 8 1/8"**	**2 x 3**
	übersetzt | double action | doble acción | double action | doppio azione		
195-238-20			
195-239-20			

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	BRAND		
195-241-15	15,0 cm; 5 7/8"	2 x 3	
195-241-19	19,0 cm; 7 4/8"	2 x 3	
195-241-24	24,5 cm; 9 5/8"	2 x 3	
195-245-11	**CARROLL**	11,5 cm; 4 4/8"	
195-248-20	**KLEINERT-KUTZ**	21,0 cm; 8 2/8" 1 x 2	



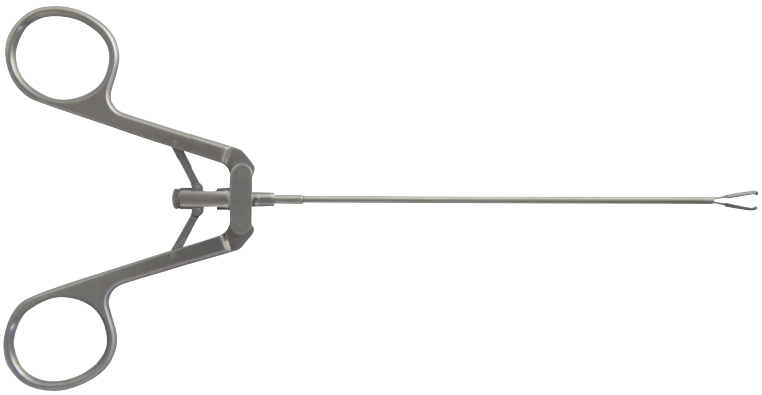




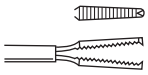








2,0 mm



Sehnenfasszangen; Sehnenstripper
Tendon Holding Forceps; Tendon Strippers
Pinzas para coger tendones; enucleadores de tendones
Pinces pour saisir les tendons; instruments à tirer les tendons
Pinze per afferrare tendini; scollatendini

Art.Nr.	Beschreibung | *Description*		*Size*	*Spez.*
195-252-11	**mit Stellschraube | with fixation screw** con cremallera de rosca | avec crémaillière filetée | con cremagliera a filettatura		**11,5 cm; 4 4/8"**	



	BUNNELL		**15,0 cm; 5 7/8"**	

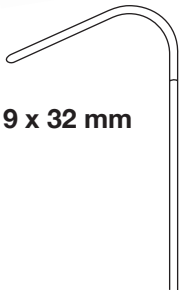


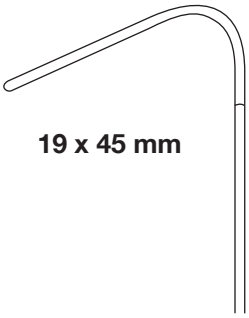
195-268-01	**Fig. 1**	**Ø 3,0 mm**	
195-268-02	**Fig. 2**	**Ø 4,0 mm**	
195-268-03	**Fig. 3**	**Ø 5,0 mm**	
195-268-04	**Fig. 4**	**Ø 6,0 mm**	
195-268-05	**Fig. 5**	**Ø 7,0 mm**	

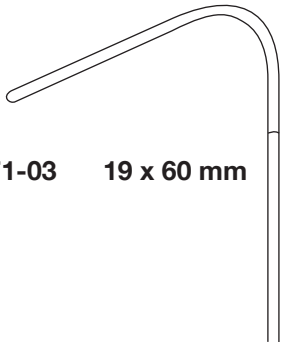
Kniegelenk-Wundhaken
Knee Retractor
Separadores para rodilla
Ecarteurs pour le genou
Divaricatori per il ginocchio

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	SMILLIE	**14,0 cm; 5 1/2"**	





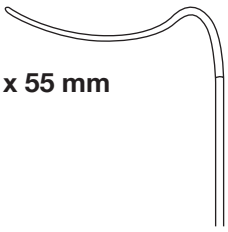




195-271-01	**19 x 32 mm**	**195-271-02**	**19 x 45 mm**	**195-271-03**	**19 x 60 mm**

195-271-04	**SMILLIE**	**14,0 cm; 5 1/2"**

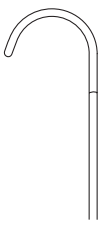




13 x 55 mm

195-271-05	**SMILLIE**	**14,0 cm; 5 1/2"**





13 x 15 mm

Kniehaken; Meniskusmesser
Knee Retractor; Meniscus Knife
Separadores para rodilla; Cuchillos para menisco
Ecarteurs pour le genou; Bistouris à ménisque
Divaricatori per il ginocchio; Meniscotomi

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
195-274-17	**BLOUNT** **spitz | sharp** | agudo | pointu | acuto	**17,5 cm; 6 7/8"**	
	SMILLIE	**17,5 cm; 6 7/8"**	
195-278-01	**gerade** **straigh** recto droite retto		
195-278-02	**Schutz links** **Protection left** Protección a la izquierda Protection à gauche Protezione sinistra		
195-278-03	**Schutz rechts** **Protection right** Protección a la derecha Protection à droite Protezione destro		

Meniskusmesser
Meniscus Knife
Cuchillos para menisco
Bistouris à ménisque
Meniscotomi

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	NEFF	**22,0 cm; 8 5/8"**	



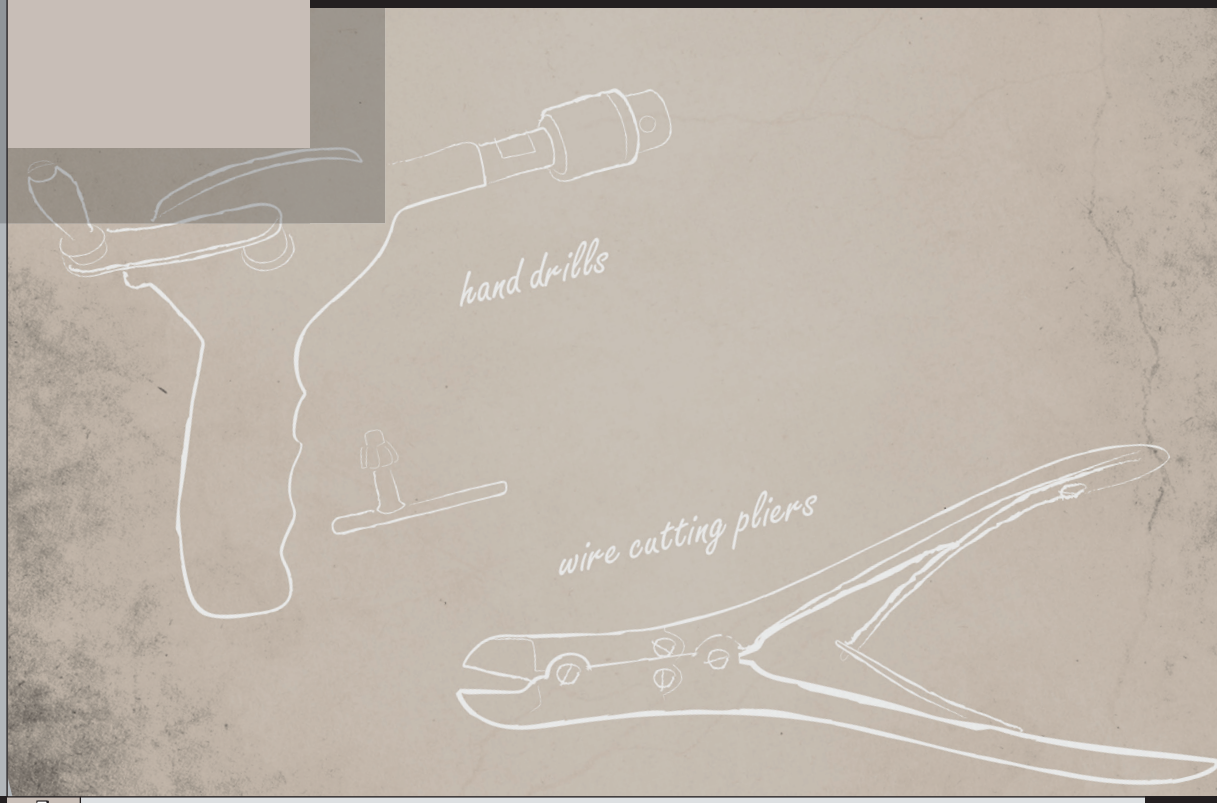
195-282-01	**Fig. 1** 	
195-282-02	**Fig. 2** 	
195-284-17	**NEFF**	**17,5 cm; 6 7/8"**





TONTARRA

OPEN SURGERY



Hohlmeißelzangen
Knochensplitterzangen

Bone Rongeurs
Bone Cutting Forceps

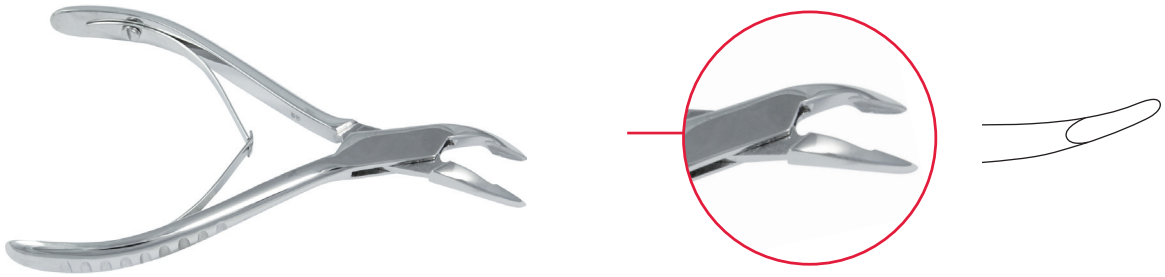
Pinzas gubias; Pinzas cortantes para hueso

Pinces-gouges; Pinces coupantes à os

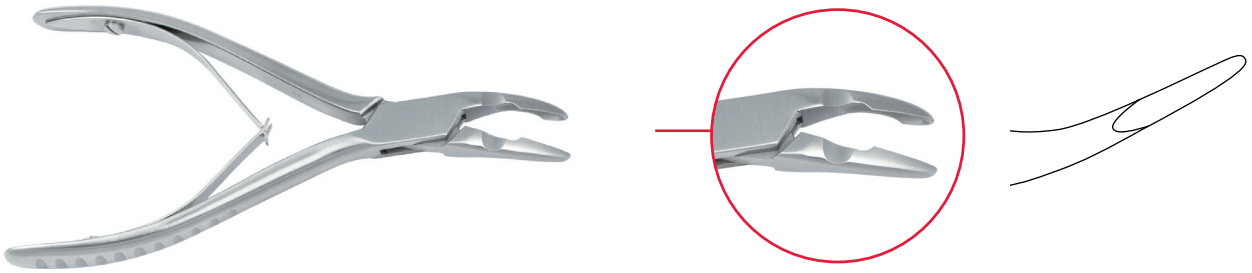
Pinze-sgorbie; Cesoie per ossa

196

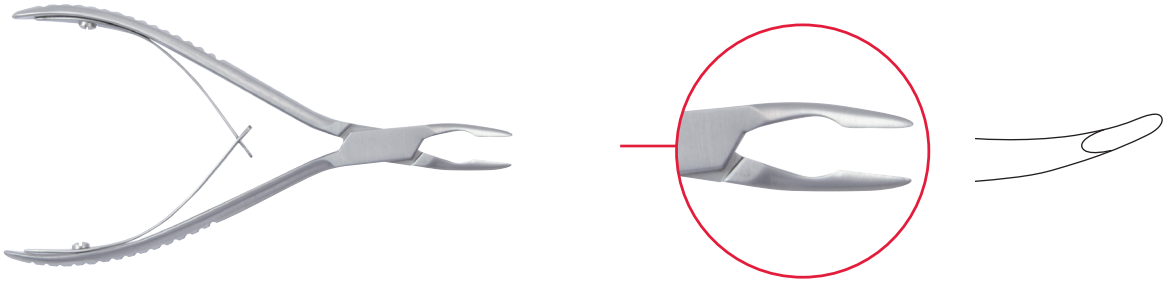
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
196-201-12	FRIEDMANN	12,5 cm; 4 7/8"	



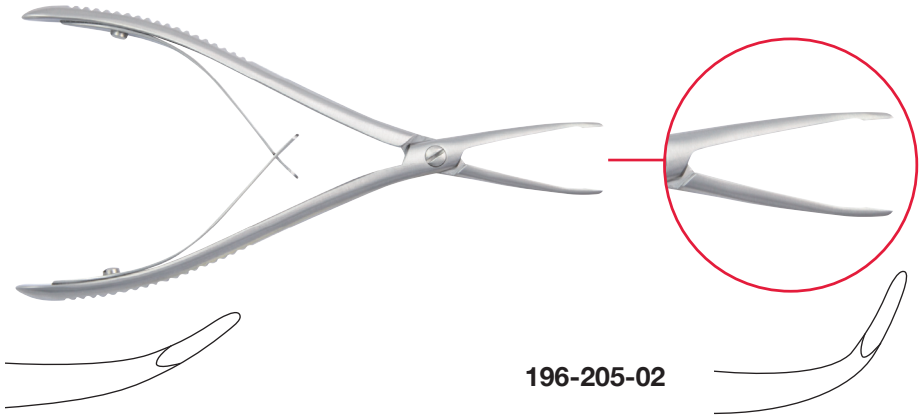
196-201-14	FRIEDMANN	13,5 cm; 5 3/8"	



196-203-14	FRIEDMANN	13,5 cm; 5 3/8"	



	STELLBRINK	17,0 cm; 6 6/8"	



196-205-01

196-205-02

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
196-207-14	CLEVELAND	13,5 cm; 5 3/8"	

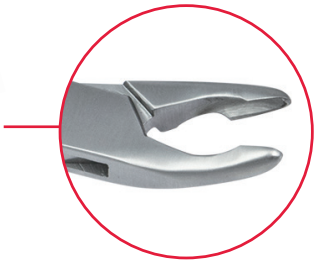


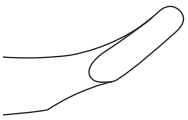




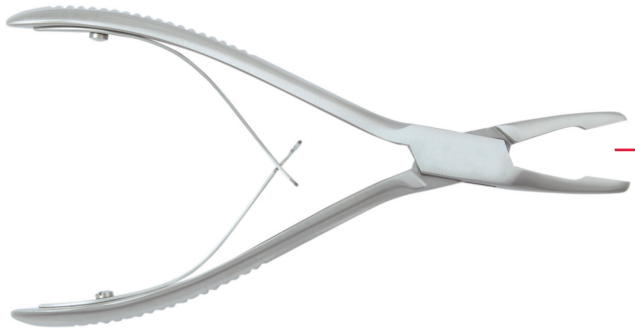
196-207-17	CLEVELAND	16,5 cm; 6 4/8"	

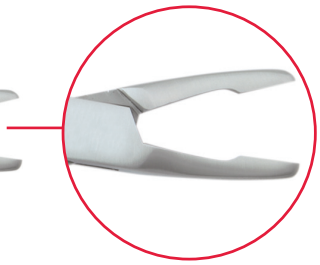




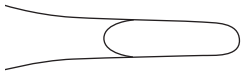


	JANSEN	18,0 cm; 7 1/8"	

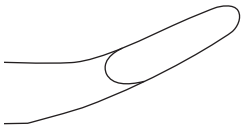




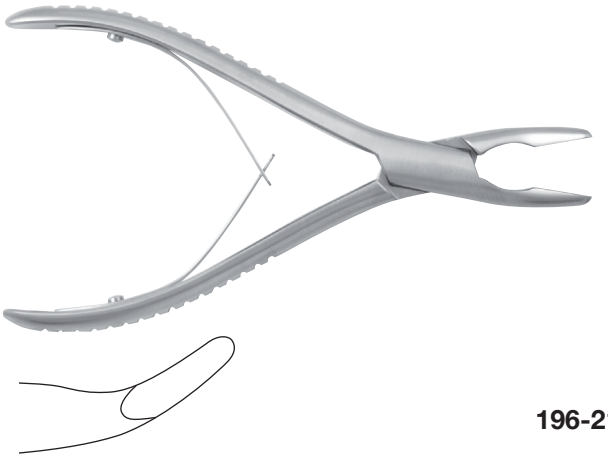
196-208-17



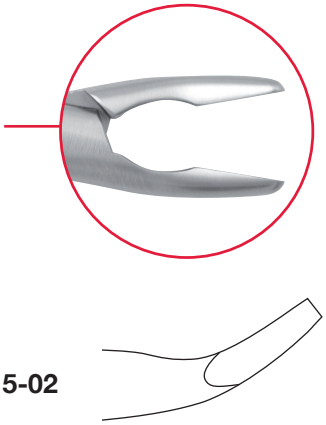
196-209-17



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	MEAD	**16,5 cm; 6 4/8"**	

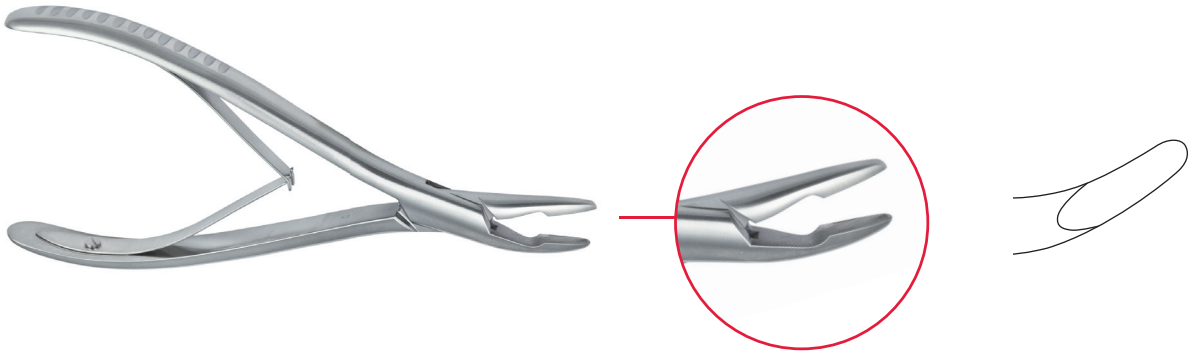


196-215-01



196-215-02

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
196-221-18	**HARTMANN**	17,5 cm; 6 7/8"	

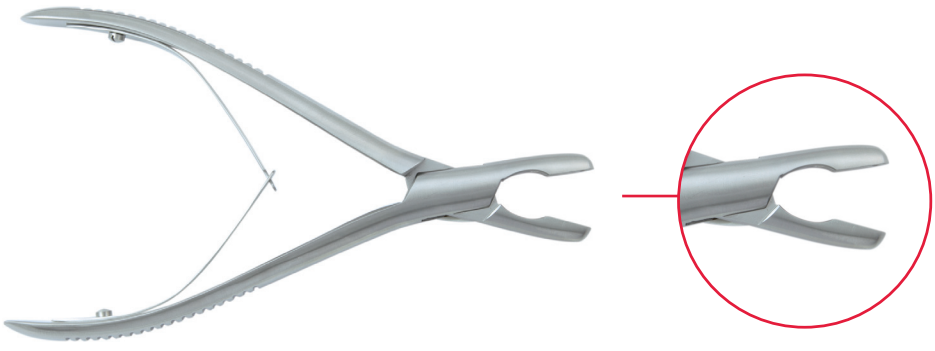


	BLUMENTHAL	15,5 cm; 6 1/8"	



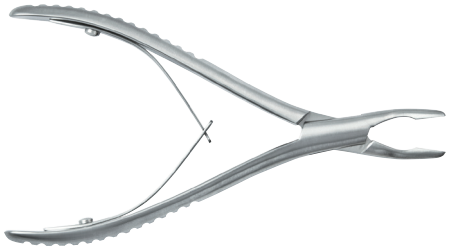
196-225-30	30°	196-225-90	90°
196-225-45	45°		

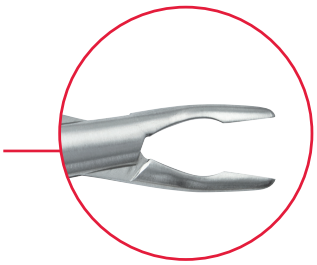
	LUER	18,0 cm; 7 1/8"	

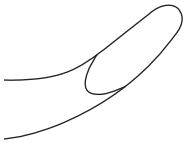


196-230-17		196-231-17	

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	LUER	**14,5 cm; 5 6/8"**	







196-233-01 **Fig. 1**

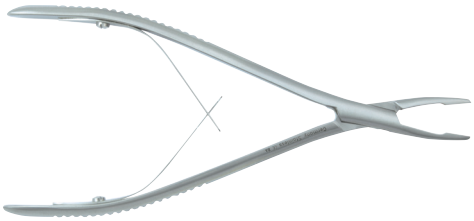


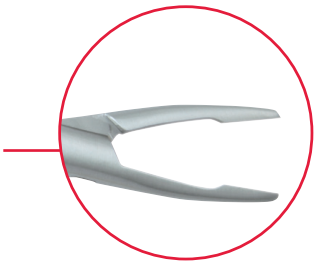
196-233-02 **Fig. 2**



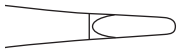
196-233-03 **Fig .3**

	LEMPERT	**19,0 cm; 7 4/8"**	

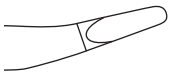




196-236-19

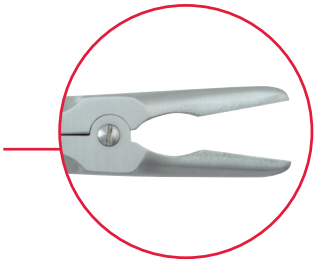


196-237-19



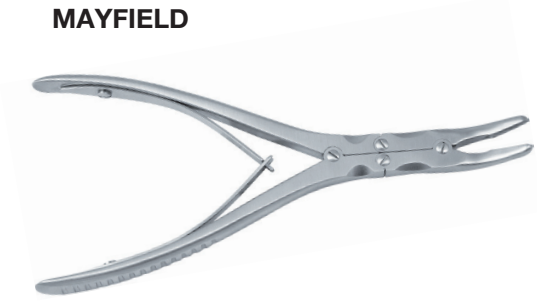
196-301-20	**MARQUARDT**	**20,5 cm; 8 1/8"**	

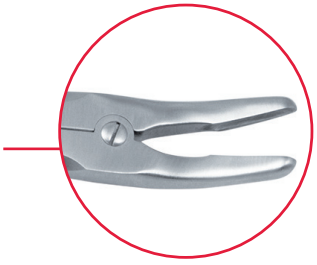




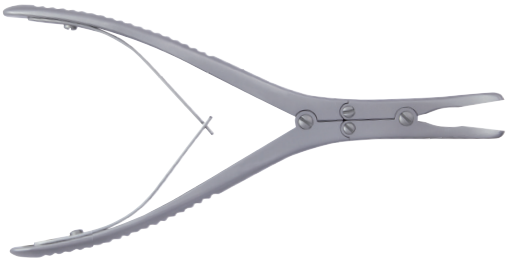
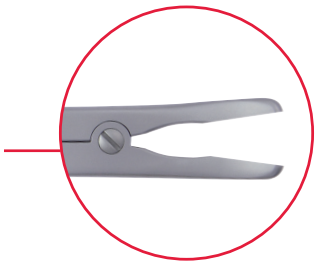
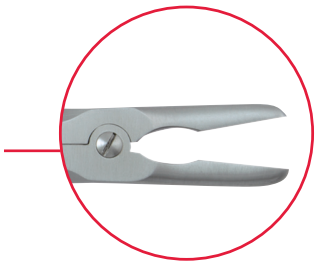


196-303-17	**MAYFIELD**	**18,0 cm; 7 1/8"**	

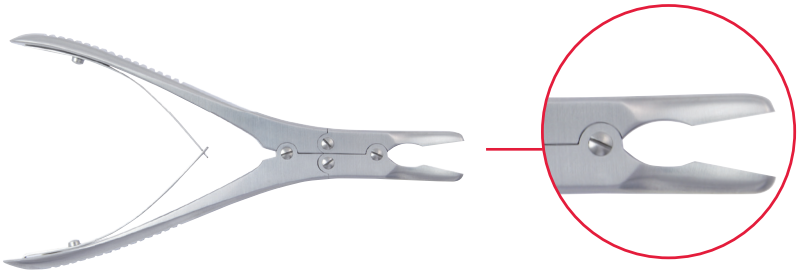






Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	BÖHLER	**15,0 cm; 5 7/8"**	
196-307-01			
196-307-02			
	BEYER	**18,0 cm; 7 1/8"**	
196-317-18			
196-319-18			
196-321-18	**ZAUFAL-JANSEN**	**18,0 cm; 7 1/8"**	
			

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	RUSKIN	**18,0 cm; 7 1/8"**	



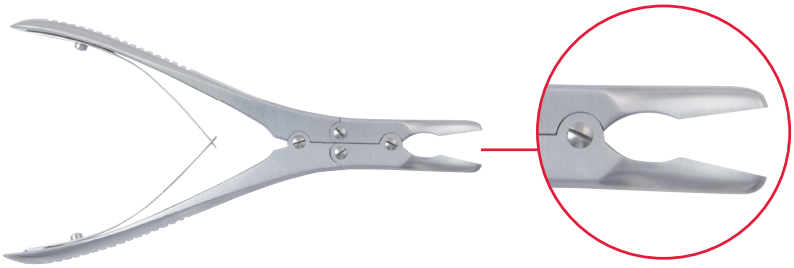
196-323-18	**6,0 mm**	**196-324-18**	**6,0 mm**
196-325-18	**4,0 mm**	**196-326-18**	**4,0 mm**

		Size	*Spez.*
	RUSKIN	**18,0 cm; 7 1/8"**	



196-327-18	**5,0 mm**

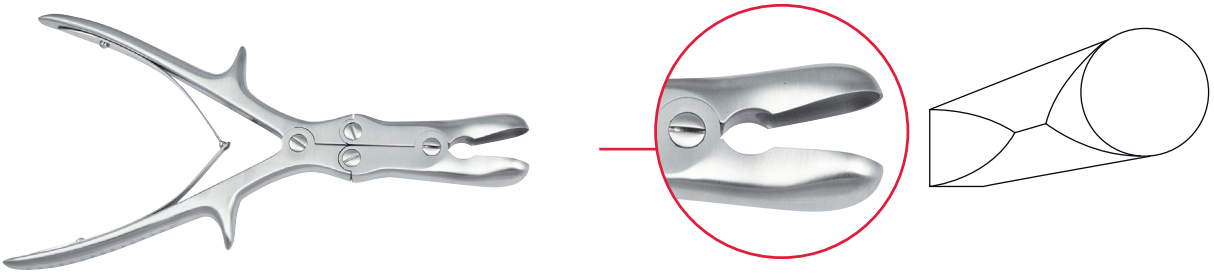
		Size	*Spez.*
	RUSKIN	**20,5 cm; 8 1/8"**	



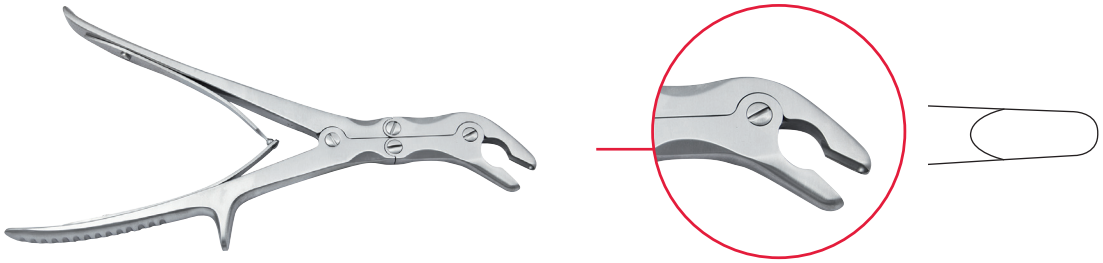
196-330-20	**6,0 mm**	**196-331-20**	**6,0 mm**

Hohlmeißelzangen
Bone Rongeurs
Pinzas gubias
Pinces-gouges
Pinze-sgorbie

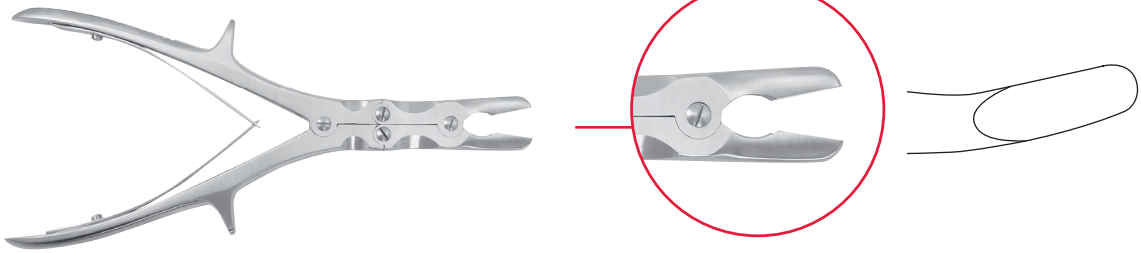
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
196-341-22	SEMB	22,5 cm; 8 7/8"	



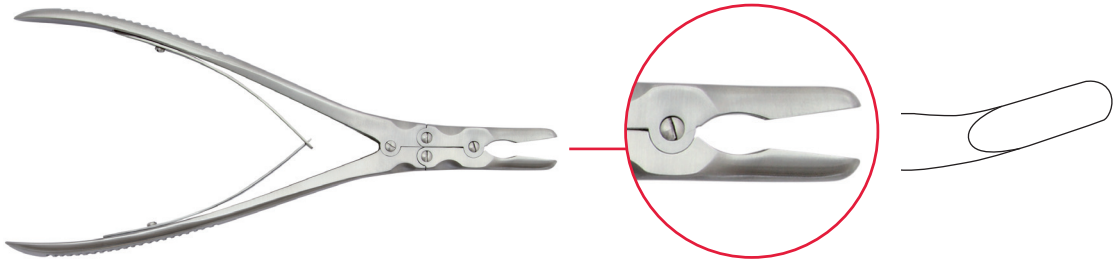
196-343-23	STILLE	22,5 cm; 8 7/8"	



196-345-23	STILLE-RUSKIN	23,5 cm; 9 2/8"	



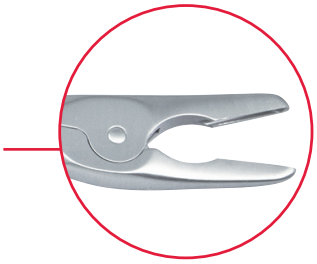
196-347-24	RUSKIN	24,0 cm; 9 4/8"	



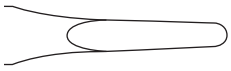
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

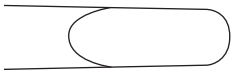
LEKSELL-STILLE — **24,5 cm; 9 5/8"**



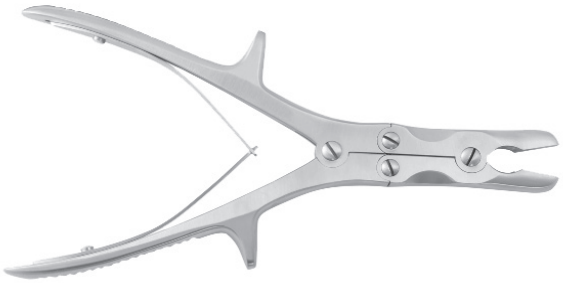


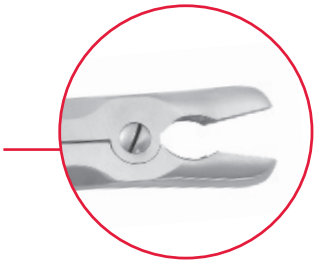
196-349-04	**4,0 mm**	**196-349-08**	**8,0 mm**



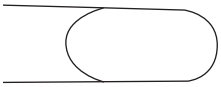


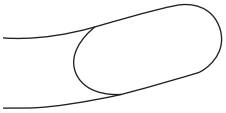
STILLE-LUER





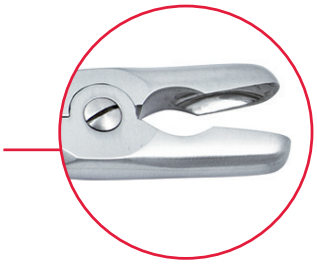
196-352-22	**22,0 cm; 8 5/8"**	**196-353-22**	**22,0 cm; 8 5/8"**
196-352-25	**25,0 cm; 9 7/8"**	**196-353-25**	**25,0 cm; 9 7/8"**



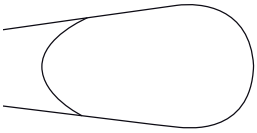


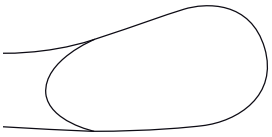
STILLE-LUER



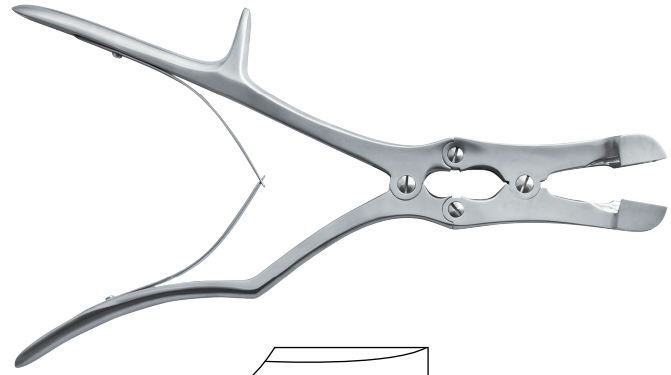


196-354-22	**23,0 cm; 9"**	**196-355-22**	**23,0 cm; 9"**
196-354-27	**27,0 cm; 10 5/8"**	**196-355-27**	**27,0 cm; 10 5/8"**

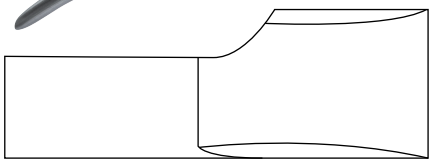




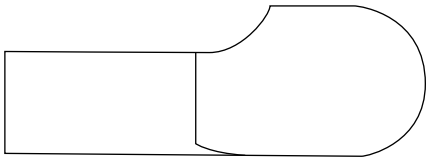
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	SAUERBRUCH	**31,0 cm; 12 2/8"**	







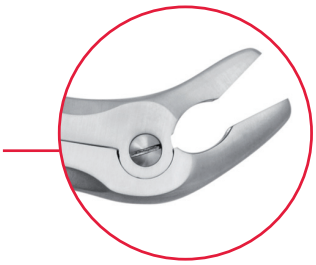
196-356-01



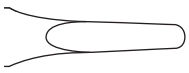
196-356-02

	FRYKHOLM	**24,0 cm; 9 4/8"**	

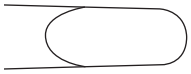




196-357-04 **4,0 mm**

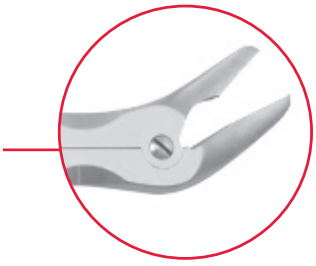


196-357-08 **8,0 mm**

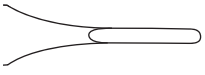


	ECHLIN	**23,0 cm; 9"**	

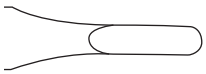




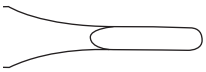
196-361-01 **2 x 10 mm**



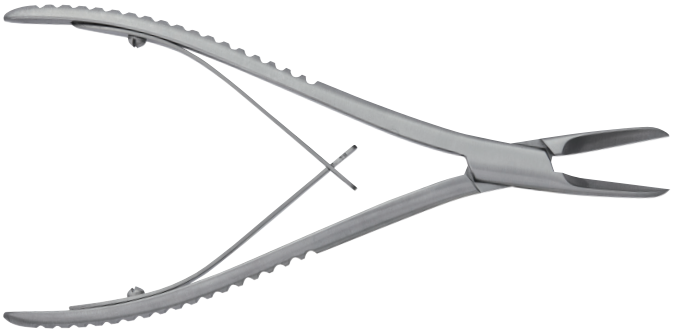
196-361-03 **4 x 10 mm**



196-361-02 **3 x 10 mm**



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
196-500-19	**KAZANJIAN**	19,0 cm; 7 4/8"	





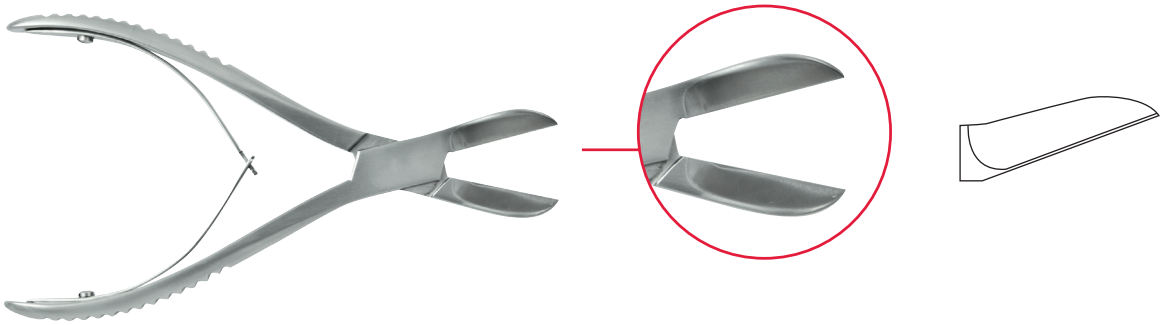
LISTON





196-520-14	14,0 cm; 5 4/8"	
196-520-17	17,0 cm; 6 6/8"	
196-520-19	20,0 cm; 7 7/8"	
196-520-22	22,0 cm; 8 5/8"	

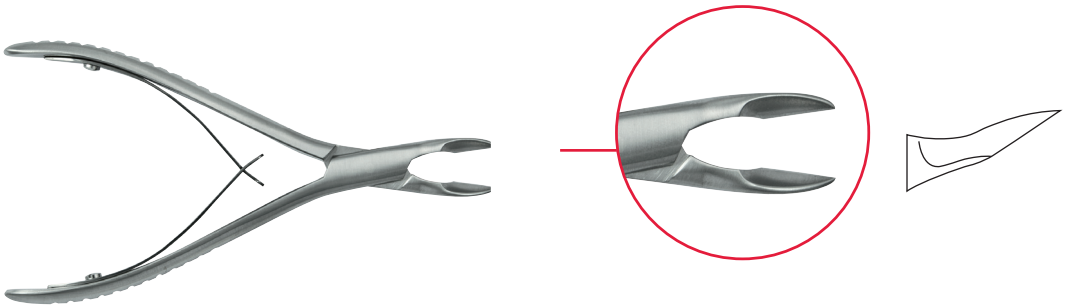
LISTON



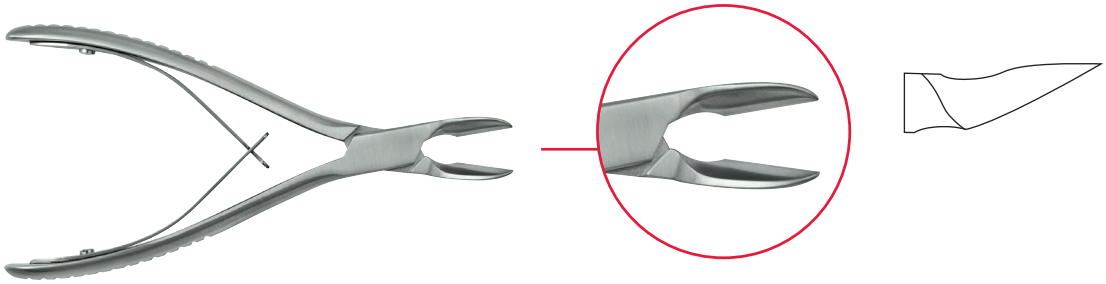
196-521-14	14,0 cm; 5 4/8"	
196-521-17	17,0 cm; 6 6/8"	
196-521-19	20,0 cm; 7 7/8"	
196-521-22	22,0 cm; 8 5/8"	

Knochensplitterzangen
Bone Cutting Forceps
Pinzas cortantes para hueso
Pinces coupantes à os
Cesoie per ossa

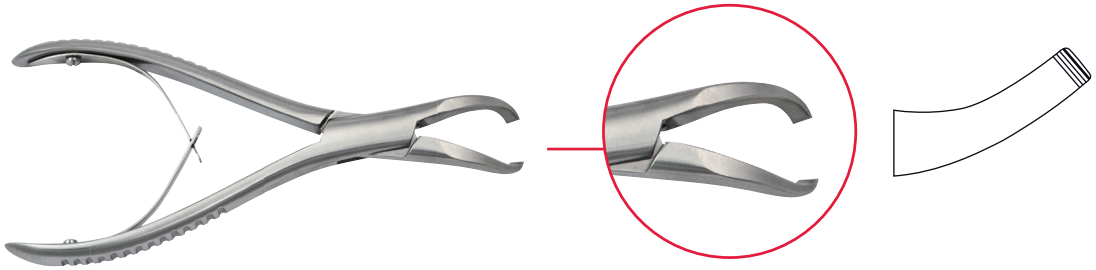
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
196-527-15	CLEVELAND	14,5 cm; 5 6/8"	



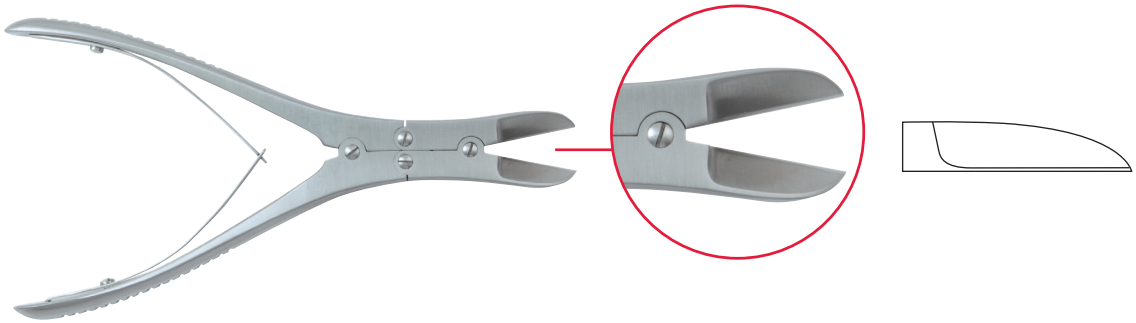
196-527-17	CLEVELAND	17,0 cm; 6 6/8"	



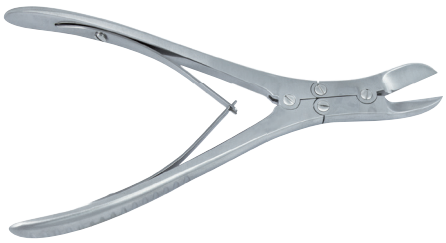
196-528-17	CLEVELAND	17,0 cm; 6 6/8"	



196-602-18	RUSKIN-LISTON	18,5 cm; 7 2/8"	

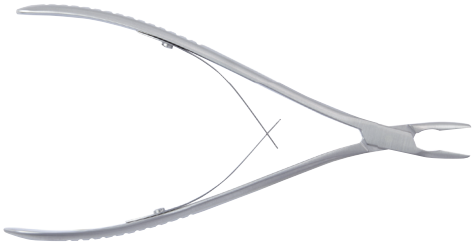
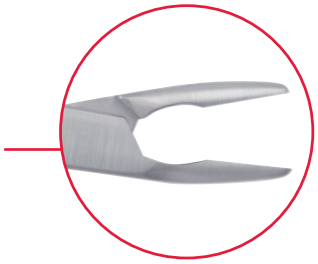


Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
196-603-18	RUSKIN-LISTON	18,5 cm; 7 2/8"	





196-607-17	MC INDOE	17,5 cm; 7"	


196-608-14	BÖHLER	14,5 cm; 5 6/8"	

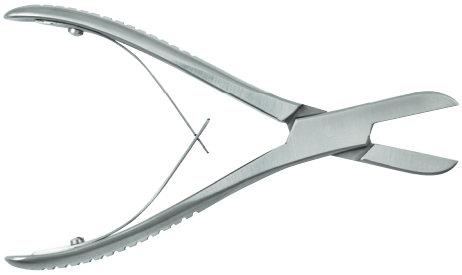
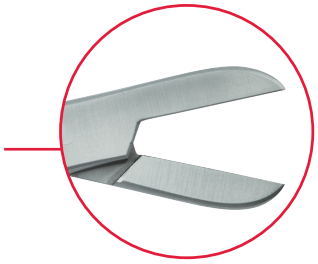



Fig. 1 

196-609-14	BÖHLER	14,5 cm; 5 6/8"	

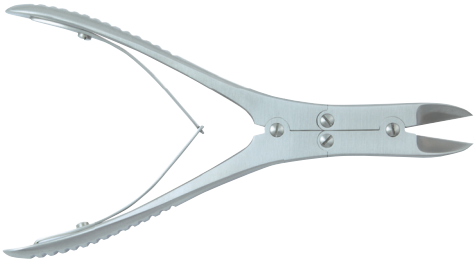
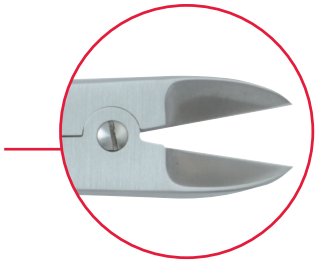
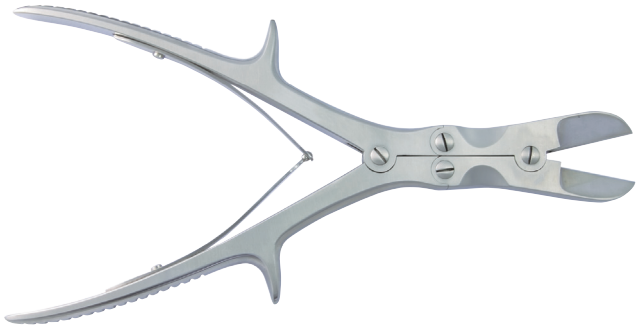



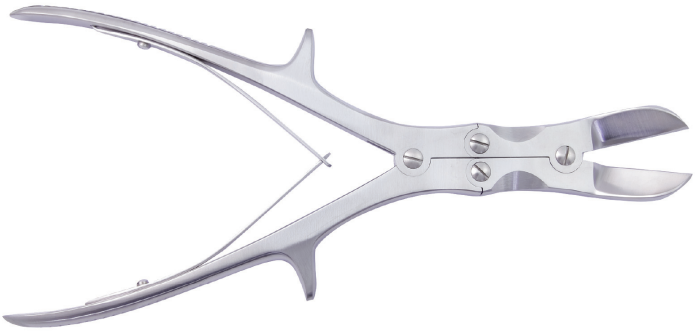
Fig. 2 

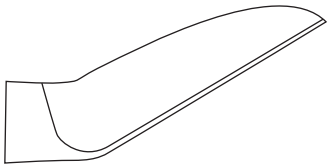
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
196-620-27	**LISTON-STILLE**	**28,0 cm; 11"**	





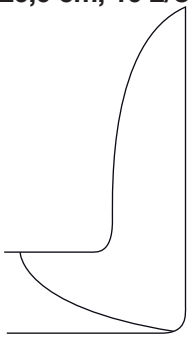
196-621-27	**LISTON-STILLE**	**28,0 cm; 11"**	





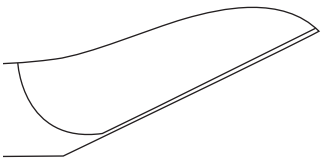
196-623-27	**LISTON-STILLE**	**26,0 cm; 10 2/8"**	





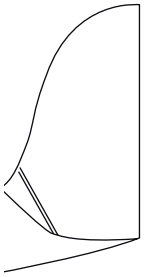
196-638-23	**LISTON**	**23,5 cm; 10 2/8"**	





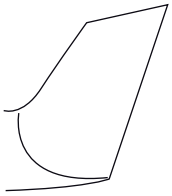
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
196-633-24	**SEMB**	**24,5 cm; 9 5/8"**	





196-627-27	**LISTON-KEY**	**26,0 cm; 10 2/8"**	





Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

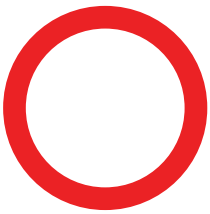


196-986-01 **für Kinder | for children** | para niños | pour enfants | per bambini

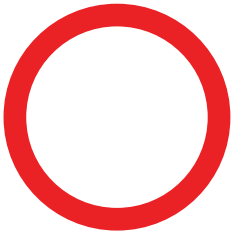
196-986-02 **für Erwachsene | for adults** | para adultos | pour adultes | per adulti

Silikonring zur Fixation; autoklavierbar
Silicon ring for fixation; autoclavable
Arandela de silicona para fijadoción; autoclavable
Anneau en silicone pour fixation; stérilisable
Anello di silicone per fissazione; sterilizzabile

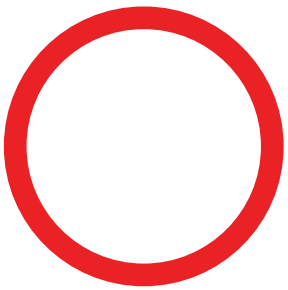
196-988-24 **24 x 3 mm**



196-988-27 **27 x 3 mm**



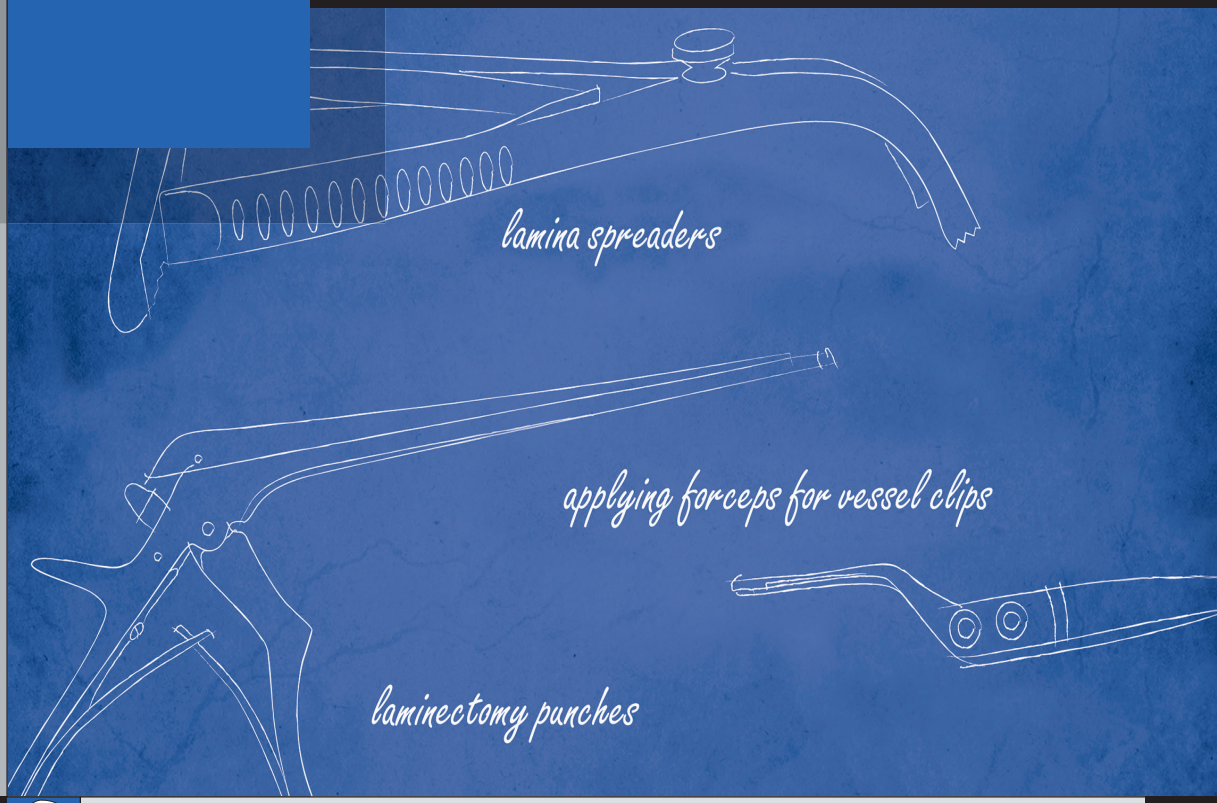
196-988-34 **34 x 3 mm**





TONTARRA

OPEN SURGERY



Laminektomiestanzen

Laminectomy Punches

Pinzas cortantes para laminectomía

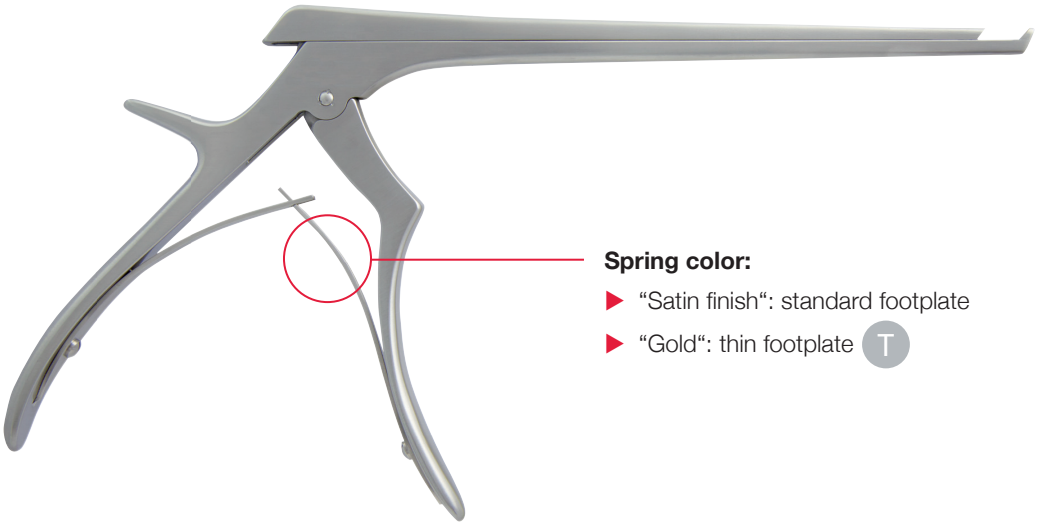
Pinces emporte-pièces à laminectomie

Pinze taglienti per laminectomia

240

KERRISON

Ausführungen | Variations



Spring color:
- "Satin finish": standard footplate
- "Gold": thin footplate T

A **Auswerfer**
Ejector
Expulsor
Èjecteur
Espulsore

T **Dünnfuß**
Thin footplate
Pico estrecho
Plaque étroite
Morso sottile

CC **Keramikbeschichtung**
Ceramic coated
Cubierto con cerámica
Recouvert avec céramique
Ricoprito con ceramica

Bestelloptionen:
Sie möchten die Stanze mit Auswerfer?
A fügen Sie ein „A" zur Artikelnummer
Sie möchten die Stanze mit Dünnfuss?
T fügen Sie ein „T" zur Artikelnummer
Sie möchten die Stanze mit Keramikbeschichtung?
CC fügen Sie ein „CC" zur Artikelnummer

Beispiel:
Sie brauchen die Stanze 240-071-03 mit Auswerfer und Keramikbeschichtung?
Bestellnummer: 240-071-03ACC

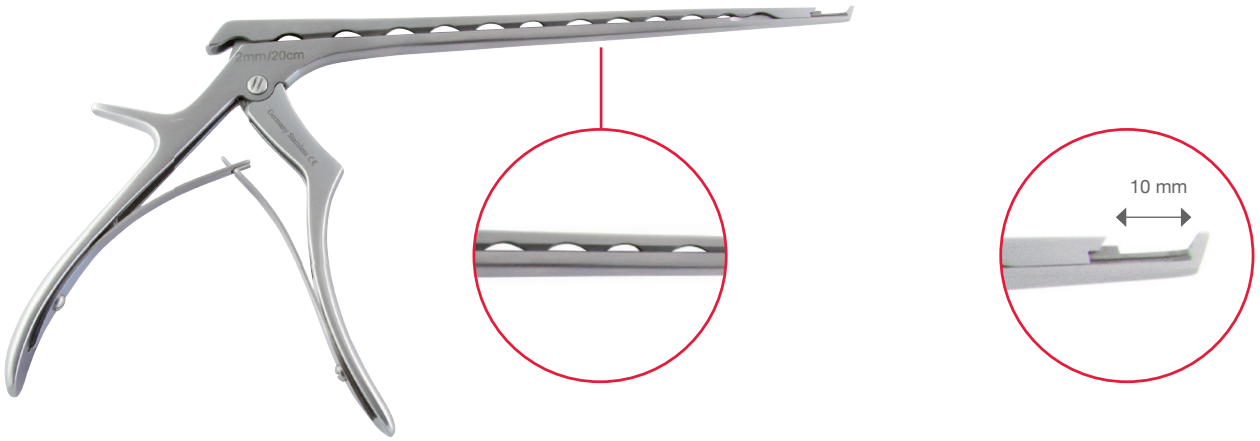
Options:
How to order Rongeurs with ejector?
A add a "A" to the item number
How to order Rongeurs with thin foot?
T add a "T" to the item number
How to order Rongeurs with ceramic coating?
CC add a "CC" to the item number

Example:
You would like to order the 240-071-03 with ejector and ceramic coating?
Order number: 240-071-03ACC

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

KERRISON

clean wave™

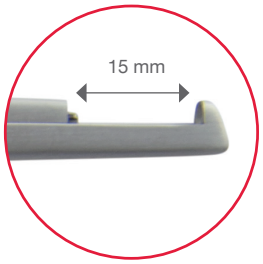


	Bissbreite Width of bite	Schaftlänge Length of shaft		
		18,0 cm; 7,2"	**20,0 cm; 8"**	**23,0 cm; 9,2"**
40°	1 mm	240-071-01-CW T CC	240-072-01-CW T CC	240-073-01-CW T CC
	ohne Auswerfer | without ejector | sin expulsor | sans éjecteur | senza espulsore			
40°	2 mm	240-071-02A-CW T CC	240-072-02A-CW T CC	240-073-02A-CW T CC
40°	3 mm	240-071-03A-CW T CC	240-072-03A-CW T CC	240-073-03A-CW T CC
40°	4 mm	240-071-04A-CW T CC	240-072-04A-CW T CC	240-073-04A-CW T CC
40°	5 mm	240-071-05A-CW T CC	240-072-05A-CW T CC	240-073-05A-CW T CC
	mit Auswerfer | with ejector | con expulsor | avec éjecteur | con espulsore			

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

LOVE KERRISON

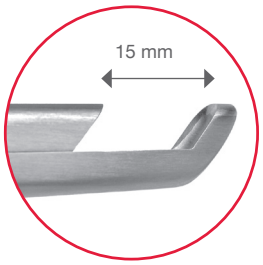




	Bissbreite Width of bite	Schaftlänge Length of shaft	
		18,0 cm; 7,2"	20,0 cm; 8"
90°	2 mm	240-001-02	240-002-02
90°	3 mm	240-001-03	240-002-03
90°	4 mm	240-001-04	240-002-04
90°	5 mm	240-001-05	240-002-05
90°	6 mm	240-001-06	240-002-06

mit Auswerfer | with ejector | con expulsor | avec éjecteur | con espulsore

LOVE KERRISON



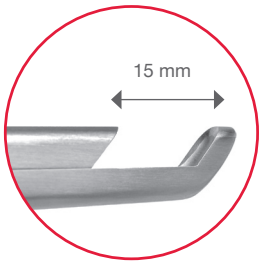
	Bissbreite Width of bite	Schaftlänge Length of shaft		
		18,0 cm; 7,2"	20,0 cm; 8"	23,0 cm; 9,2"
40°	2 mm	240-021-02	240-022-02	240-023-02
40°	3 mm	240-021-03	240-022-03	240-023-03
40°	4 mm	240-021-04	240-022-04	240-023-04
40°	5 mm	240-021-05	240-022-05	240-023-05
40°	6 mm	-	240-022-06	240-023-06

ohne Auswerfer | without ejector | sin expulsor | sans éjecteur | senza espulsore

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

LOVE KERRISON



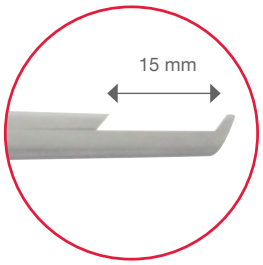


	Bissbreite Width of bite	Schaftlänge Length of shaft	
		18,0 cm; 7,2"	20,0 cm; 8"
40°	2 mm	240-121-02	240-122-02
40°	3 mm	240-121-03	240-122-03
40°	4 mm	240-121-04	240-122-04
40°	5 mm	240-121-05	240-122-05
40°	6 mm	240-121-06	240-122-06

ohne Auswerfer | without ejector | sin expulsor | sans éjecteur | senza espulsore

KERRISON





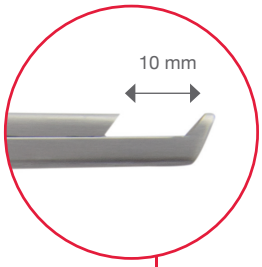
	Bissbreite Width of bite	Schaftlänge Length of shaft
		20,0 cm; 8"
40°	2 mm	240-272-02 T CC
40°	3 mm	240-272-03 T CC
40°	4 mm	240-272-04 T CC
40°	5 mm	240-272-05 T CC

ohne Auswerfer | without ejector | sin expulsor | sans éjecteur | senza espulsore

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

KERRISON

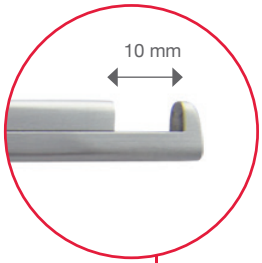




	Bissbreite Width of bite	Schaftlänge Length of shaft		
		18,0 cm; 7,2"	20,0 cm; 8"	23,0 cm; 9,2"
40°	1 mm	240-071-01 T CC	240-072-01 T CC	240-073-01 T CC
	ohne Auswerfer | without ejector | sin expulsor | sans éjecteur | senza espulsore			
40°	2 mm	240-071-02 A T CC	240-072-02 A T CC	240-073-02 A T CC
40°	3 mm	240-071-03 A T CC	240-072-03 A T CC	240-073-03 A T CC
40°	4 mm	240-071-04 A T CC	240-072-04 A T CC	240-073-04 A T CC
40°	5 mm	240-071-05 A T CC	240-072-05 A T CC	240-073-05 A T CC
40°	6 mm	240-071-06 A T CC	240-072-06 A T CC	240-073-06 A T CC

KERRISON



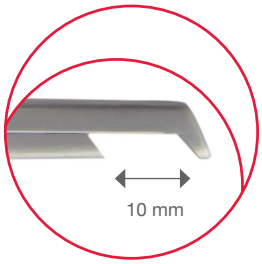


	Bissbreite Width of bite	Schaftlänge Length of shaft		
		18,0 cm; 7,2"	20,0 cm; 8"	23,0 cm; 9,2"
90°	1 mm	240-051-01 T CC	240-052-01 T CC	–
	ohne Auswerfer | without ejector | sin expulsor | sans éjecteur | senza espulsore			
90°	2 mm	240-051-02 T CC	240-052-02 T CC	240-053-02 T CC
90°	3 mm	240-051-03 T CC	240-052-03 T CC	240-053-03 T CC
90°	4 mm	240-051-04 T CC	240-052-04 T CC	240-053-04 T CC
90°	5 mm	240-051-05 T CC	240-052-05 T CC	240-053-05 T CC
90°	6 mm	240-051-06 T CC	240-052-06 T CC	240-053-06 T CC
	mit Auswerfer | with ejector | con expulsor | avec éjecteur | con espulsore			

Art.Nr. | Beschreibung | *Description* | *Size* | *Spez.*

KERRISON



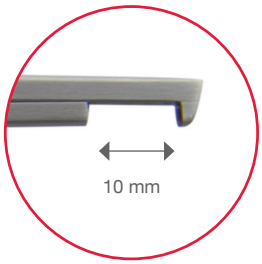


	Bissbreite Width of bite	Schaftlänge Length of shaft	
		18,0 cm; 7,2"	20,0 cm; 8"
40°	2 mm	240-081-02	–
40°	3 mm	240-081-03	240-082-03
40°	4 mm	240-081-04	240-082-04
40°	5 mm	240-081-05	240-082-05
40°	6 mm	240-081-06	–

ohne Auswerfer | without ejector | sin expulsor | sans éjecteur | senza espulsore

KERRISON





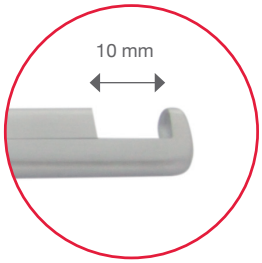
	Bissbreite Width of bite	Schaftlänge Length of shaft	
		18,0 cm; 7,2"	20,0 cm; 8"
90°	2 mm	240-061-02	240-062-02
90°	3 mm	240-061-03	240-062-03
90°	4 mm	240-061-04	240-062-04
90°	5 mm	240-061-05	240-062-05
90°	6 mm	240-061-06	240-062-06

mit Auswerfer | with ejector | con expulsor | avec éjecteur | con espulsore

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

KERRISON



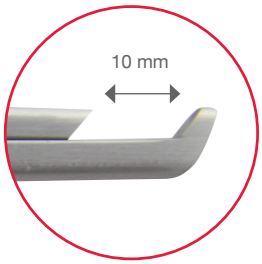


	Bissbreite Width of bite	Schaftlänge Length of shaft
		18,0 cm; 7,2"
90°	5 mm	240-351-05

mit Auswerfer | with ejector | con expulsor | avec éjecteur | con espulsore

KERRISON





	Bissbreite Width of bite	Schaftlänge Length of shaft	
		18,0 cm; 7,2"	20,0 cm; 8"
40°	3 mm	240-371-03	240-372-03
40°	5 mm	240-371-05	240-372-05

ohne Auswerfer | without ejector | sin expulsor | sans éjecteur | senza espulsore

Art.Nr. | Beschreibung | *Description* | *Size* | *Spez.*

KERRISON

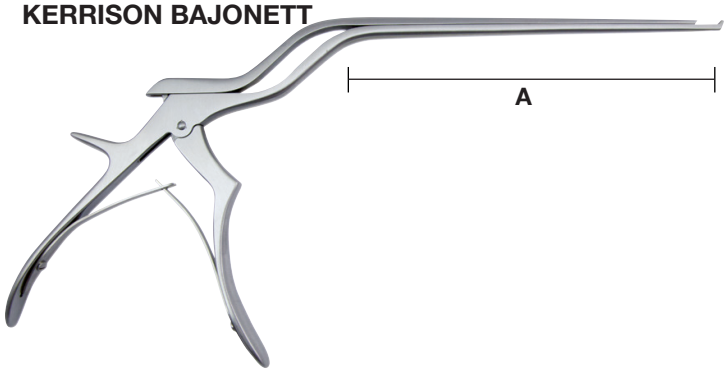


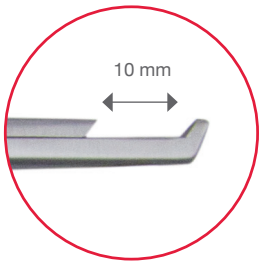


	Bissbreite Width of bite	Schaftlänge Length of shaft
		20,0 cm; 8"
40°	2 mm	240-072-02-GEB
40°	3 mm	240-072-03-GEB
40°	4 mm	240-072-04-GEB
40°	5 mm	240-072-05-GEB

ohne Auswerfer | **without ejector** | sin expulsor | sans éjecteur | senza espulsore
aufgebogen | **angled up** | angulado hacia arribe | courbe en hautel | angolata in alto

KERRISON BAJONETT



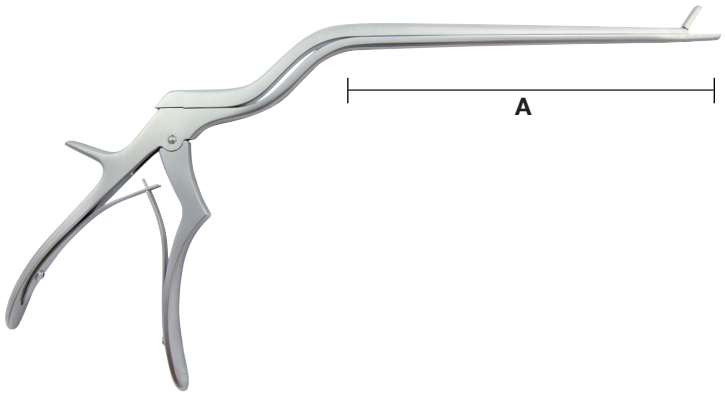


	Bissbreite Width of bite	Schaftlänge (A) Length of shaft (A)
		16,0 cm; 6,4"
40°	2 mm	240-090-02 T CC
40°	3 mm	240-090-03 T CC
40°	4 mm	240-090-04 T CC
40°	5 mm	240-090-05 T CC

ohne Auswerfer | **without ejector** | sin expulsor | sans éjecteur | senza espulsore

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

BAJONETT





	Bissbreite Width of bite	Schaftlänge (A) Length of shaft (A)
		16,0 cm; 6,4"
	2 x 8 mm	240-590-02 CC
	3 x 9 mm	240-590-03 CC
	4 x 10 mm	240-590-04 CC

gerade | straight | recta | droite | retta



	Bissbreite Width of bite	Schaftlänge Length of shaft
		16,0 cm; 6,4"
	2 x 8 mm	240-591-02 CC
	3 x 9 mm	240-591-03 CC
	4 x 10 mm	240-591-04 CC

aufgebogen | angled up | angulado hacia arriba | courbe en haute | angolata in alto

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

CASPAR

clean wave™





	Bissbreite Width of bite	Schaftlänge Length of shaft
		18,5 cm; 7,4"
	2 x 12 mm	240-511-02-CW
	3 x 12 mm	240-511-03-CW
	4 x 14 mm	240-511-04-CW

gerade | straight | recta | droite | retta



	Bissbreite Width of bite	Schaftlänge Length of shaft
		18,5 cm; 7,4"
	2 x 12 mm	240-515-02-CW
	3 x 12 mm	240-515-03-CW
	4 x 14 mm	240-515-04-CW

aufgebogen | angled up | angulado hacia arriba | courbe en haute | angolata in alto



	Bissbreite Width of bite	Schaftlänge Length of shaft
		18,5 cm; 7,4"
	2 x 12 mm	240-518-02-CW
	3 x 12 mm	240-518-03-CW
	4 x 14 mm	240-518-04-CW

abgebogen | angled down | angulado hacia abajo | courbe en bas | angolata in basso

Art.Nr. **Beschreibung** | ***Description*** ***Size*** ***Spez.***

clean wave™



Schaftlänge Length of shaft	Bissbreite Width of bite		
	2 x 10 mm CUSHING	3 x 10 mm LOVE-GRÜNWALD	4 x 10 mm SPURLING
13,0 cm; 5,2"	240-550-02-CW	240-550-03-CW	240-550-04-CW
15,0 cm; 6"	240-551-02-CW	240-551-03-CW	240-551-04-CW
18,0 cm; 7,2"	240-552-02-CW	240-552-03-CW	240-552-04-CW
23,0 cm; 9,2"	240-554-02-CW	240-554-03-CW	240-554-04-CW
28,0 cm; 11,2"	240-557-02-CW	240-557-03-CW	240-557-04-CW

gerade | straight
recta | droite | retta



Schaftlänge Length of shaft	Bissbreite Width of bite		
	2 x 10 mm CUSHING	3 x 10 mm LOVE-GRÜNWALD	4 x 10 mm SPURLING
13,0 cm; 5,2"	240-600-02-CW	240-600-03-CW	240-600-04-CW
15,0 cm; 6"	240-601-02-CW	240-601-03-CW	240-601-04-CW
18,0 cm; 7,2"	240-602-02-CW	240-602-03-CW	240-602-04-CW
23,0 cm; 9,2"	240-604-02-CW	240-604-03-CW	240-604-04-CW
28,0 cm; 11,2"	240-607-02-CW	240-607-03-CW	240-607-04-CW

aufgebogen | angled up
angulado hacia arriba
courbe en haute | angolata in alto



Schaftlänge Length of shaft	Bissbreite Width of bite		
	2 x 10 mm CUSHING	3 x 10 mm LOVE-GRÜNWALD	4 x 10 mm SPURLING
13,0 cm; 5,2"	240-650-02-CW	240-650-03-CW	240-650-04-CW
15,0 cm; 6"	240-651-02-CW	240-651-03-CW	240-651-04-CW
18,0 cm; 7,2"	240-652-02-CW	240-652-03-CW	240-652-04-CW
23,0 cm; 9,2"	240-654-02-CW	240-654-03-CW	240-654-04-CW
28,0 cm; 11,2"	240-657-02-CW	240-657-03-CW	240-657-04-CW

abgebogen | angled down
angulado hacia abajo
courbe en bas | angolata in basso



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

CASPAR



Maulteile gefenstert und gezahnt
Jaws fenestrated and serrated
Bocas fenestrades y dentadas
Mors genêtré et dentelé
Morsi fenestrati e dentellati

gerade | straight
recta | droite | retta

Bissbreite Width of bite	Schaftlänge Length of shaft		
	14,0 cm; 5,6"	16,0 cm; 6,4"	18,5 cm; 7,4"
2 x 12 mm	240-509-02	240-510-02	240-511-02
3 x 12 mm	240-509-03	240-510-03	240-511-03
4 x 14 mm	240-509-04	240-510-04	240-511-04
5 x 14 mm	–	240-510-05	240-511-05
6 x 16 mm	–	240-510-06	240-511-06



aufgebogen | angled up
angulado hacia arriba
courbé en haut
angolata in alto

Bissbreite Width of bite	Schaftlänge Length of shaft		
	14,0 cm; 5,6"	16,0 cm; 6,4"	18,5 cm; 7,4"
3 x 12 mm	240-513-03	240-514-03	240-515-03
4 x 14 mm	240-513-04	240-514-04	240-515-04
5 x 14 mm	–	240-514-05	240-515-05



abgebogen
angled down
angulado hacia abajo
courbé en bas
angolata in basso

Bissbreite Width of bite	Schaftlänge Length of shaft		
	14,0 cm; 5,6"	16,0 cm; 6,4"	18,5 cm; 7,4"
3 x 12 mm	240-516-03	240-517-03	240-518-03
4 x 14 mm	240-516-04	240-517-04	240-518-04



Bandscheiben-Rongeure
IVD Rongeurs
Pinzas para laminectomía
Pinces pour laminectomie
Pinze per laminectomia

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*



gerade | straight
recta | droite | retta



Schaftlänge Length of shaft	Bissbreite Width of bite		
	2 x 10 mm CUSHING	3 x 10 mm LOVE-GRÜNWALD	4 x 10 mm SPURLING
13,0 cm; 5,2"	240-550-02	240-550-03	240-550-04
15,0 cm; 6"	240-551-02	240-551-03	240-551-04
18,0 cm; 7,2"	240-552-02	240-552-03	240-552-04
23,0 cm; 9,2"	240-554-02	240-554-03	240-554-04
28,0 cm; 11,2"	240-557-02	240-557-03	240-557-04

aufgebogen | angled up
angulado hacia arriba
courbe en haute | angolata in alto



Schaftlänge Length of shaft	Bissbreite Width of bite		
	2 x 10 mm CUSHING	3 x 10 mm LOVE-GRÜNWALD	4 x 10 mm SPURLING
13,0 cm; 5,2"	240-600-02	240-600-03	240-600-04
15,0 cm; 6"	240-601-02	240-601-03	240-601-04
18,0 cm; 7,2"	240-602-02	240-602-03	240-602-04
23,0 cm; 9,2"	240-604-02	240-604-03	240-604-04
28,0 cm; 11,2"	240-607-02	240-607-03	240-607-04

abgebogen | angled down
angulado hacia abajo
courbe en bas | angolata in basso



Schaftlänge Length of shaft	Bissbreite Width of bite		
	2 x 10 mm CUSHING	3 x 10 mm LOVE-GRÜNWALD	4 x 10 mm SPURLING
13,0 cm; 5,2"	240-650-02	240-650-03	240-650-04
15,0 cm; 6"	240-651-02	240-651-03	240-651-04
18,0 cm; 7,2"	240-652-02	240-652-03	240-652-04
23,0 cm; 9,2"	240-654-02	240-654-03	240-654-04
28,0 cm; 11,2"	240-657-02	240-657-03	240-657-04

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
		18,0 cm; 7,2"	

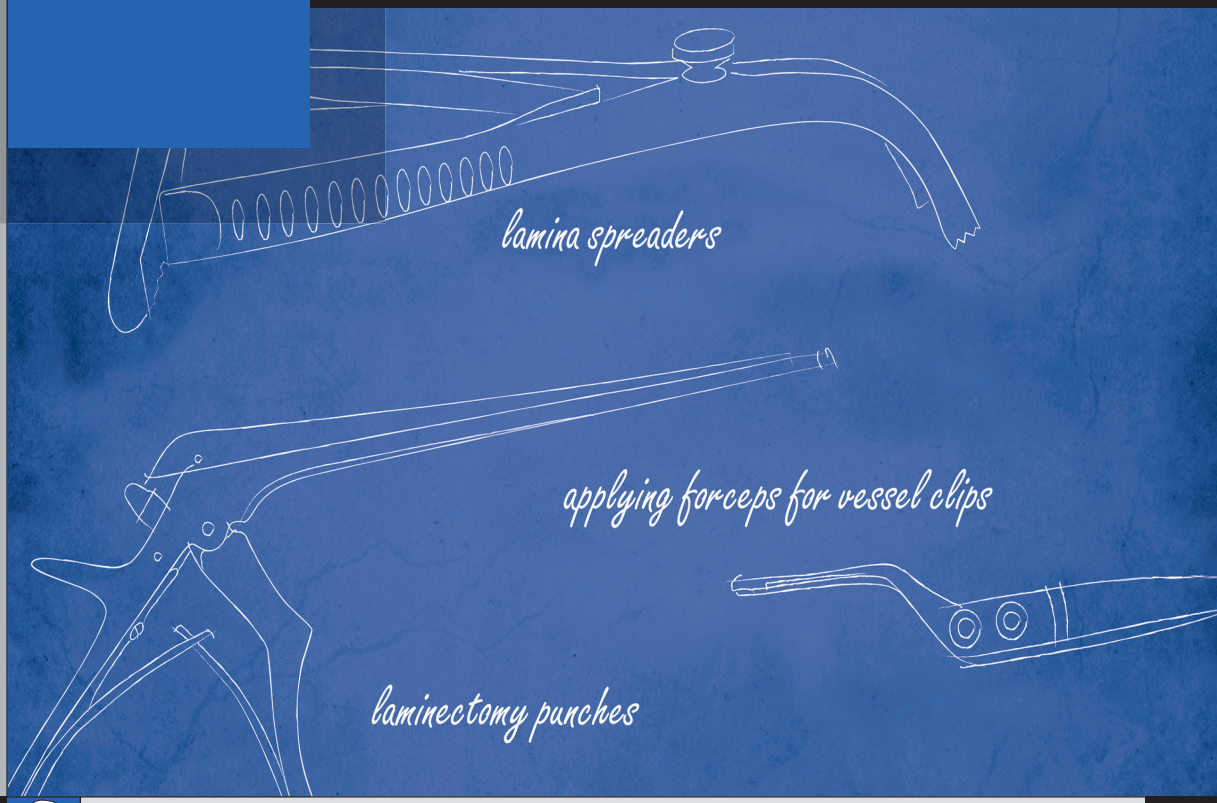


			
	gerade | straight recta | droite | retta angolata in alto	**aufgebogen | angled up** angulado arriba | courbe en haute angolata in basso	**abgebogen | angled down** angulado abajo | courbe en bas angolata in basso
2 x 10 mm **CUSHING**	**240-552-02KG**	**240-602-02KG**	**240-652-02KG**
3 x 10 mm **LOVE-GRÜNWALD**	**240-552-03KG**	**240-602-03KG**	**240-652-03KG**
4 x 10 mm **SPURLING**	**240-552-04KG**	**240-602-04KG**	**240-652-04KG**



TONTARRA

OPEN SURGERY



Laminektomiestanzen

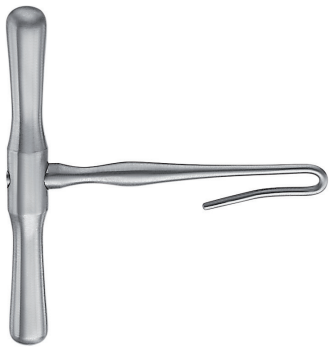
Laminectomy Punches

Pinzas cortantes para laminectomía

Pinces emporte-pièces à laminectomie

Pinze taglienti per laminectomia

243

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
243-005-00	**GIGLI** **Drahtsägen-Handgriff** **Wire saws handle** Mango de gancho Manche á crochet Manico con uncino		
	GIGLI (OLIVECRONA) **Drahtsägen** **Wire saws** Sierras de hilo Fils scies Fili sega		
	Ø 1,3 mm 	**Ø 1,4 mm** 	
243-010-30	**30,0 cm; 11 6/8"**	**243-015-30**	**30,0 cm; 11 6/8"**
243-010-40	**40,0 cm; 15 6/8"**	**243-015-40**	**40,0 cm; 15 6/8"**
243-010-50	**50,0 cm; 19 5/8"**	**243-015-50**	**50,0cm; 19 5/8"**
243-010-60	**60,0 cm; 23 5/8"**	**243-015-60**	**60,0 cm; 23 5/8"**
243-010-70	**70,0 cm; 27 4/8"**	**243-015-70**	**70,0cm; 27 4/8"**

Mindestbestellmenge: 10 Stück | Minimum order quantity: 10 pieces
Cantidad minima de pedido: 10 unidades | Quantité minimum par commande: 10 pieces | Quantitá minima d'ordine: 10 pezzi

243-026-33	**DE MARTEL** **Einführungsinstrument** **Wire saw guide** Conductor para sierras de hilo Conducteur pour fils-scies Introduttore	**33,0 cm; 13"**



Art.Nr.	Beschreibung | *Description*		*Size*	*Spez.*
243-040-00	**DE VILBISS**	**mit Klingen 243-040-01 und 243-040-02** **with blades 243-040-01 and 243-040-02** con hojas 243-040-01 y 243-040-02 avec lame 243-040-01 et 243-040-02 con lame 243-040-01 e 243-040-02	**21,0 cm; 8 2/8"**	SET



DE VILBISS **Ersatzklingen**
Spare blades only
Hoja de repuesto
Lame de rechange
Lama di ricambio

243-040-01 **Fig. 4**



243-040-02 **Fig. 5**



Art.Nr.	Beschreibung | *Description*		*Size*	*Spez.*
243-044-20	**DAHLGREEN**	**mit Klinge 243-044-01** **with blade 243-044-01** con hoja 243-044-01 avec lame 243-044-01 con lame 243-044-01	**19,5cm; 7 5/8"**	SET



243-044-01	**DAHLGREEN**	**Ersatzklinge** **Spare blade** Hoja de repuesto Lame de rechange Lama di ricambio		



243-046-22	**CONE**		**22,5 cm; 8 7/8"**

bis 12 mm | **up to 12 mm** | hasta 12 mm | jusqu' à 12 mm | fino a 12 mm



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

243-070-00 **LEYLA** SET

1-Arm | with 1 arm | con 1 brazo | avec 1 bras | con 1 braccio

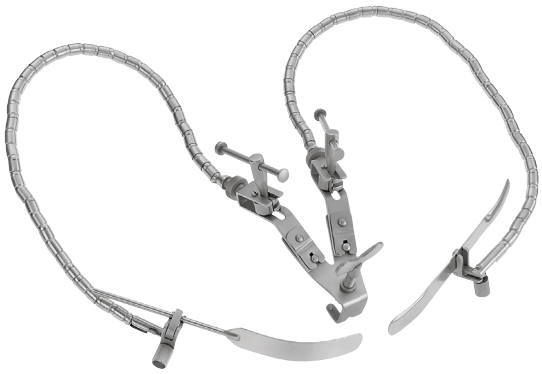


bestehend aus: | consisting of:
compuesto de: | composé de: | composto da:

243-070-10	**1 x Spannarm** **1 x Flexible arm** 1 x Brazo flexible 1 x Bras flexible 1 x Braccio flessibile	**243-070-20**	**1 x Fixiervorrichtung** **1 x Fixation base** 1 x Fijador 1 x Dispositif au fixation 1 x Base di fissagio	**243-070-31**	**1 x Spatelhalter** **1 x Support** 1 x Porta-espátula 1 x Support 1 x Supporto

243-071-00 **LEYLA** SET

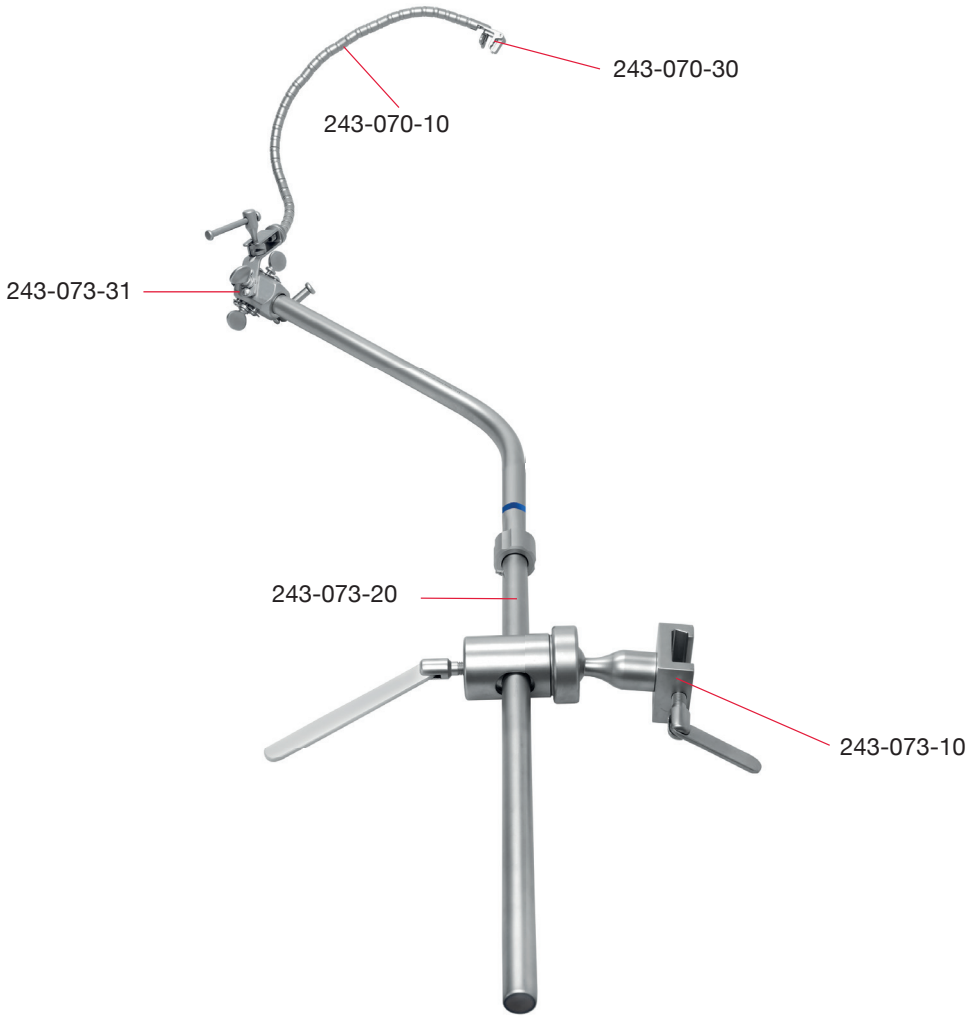
2-Arm | with 2 arms | con 2 brazos | avec 2 bras | con 2 bracci



bestehend aus: | consisting of:
compuesto de: | composé de: | composto da:

243-070-10	**2 x Spannarme** **2 x Flexible arms** 2 x Brazo flexible 2 x Bras flexible 2 x Braccio flessibile	**243-070-21**	**1 x Fixiervorrichtung** **1 x Fixation base** 1 x Fijador 1 x Dispositif au fixation 1 x Bbase di fissagio	**243-070-31**	**2 x Spatelhalter** **2 x Support** 2 x Porta-espátula 2 x Support 2 x Supporto

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
243-075-00	**LEYLA** **1-Arm | with 1 arm |** con 1 brazo | avec 1 bras | con 1 braccio		SET

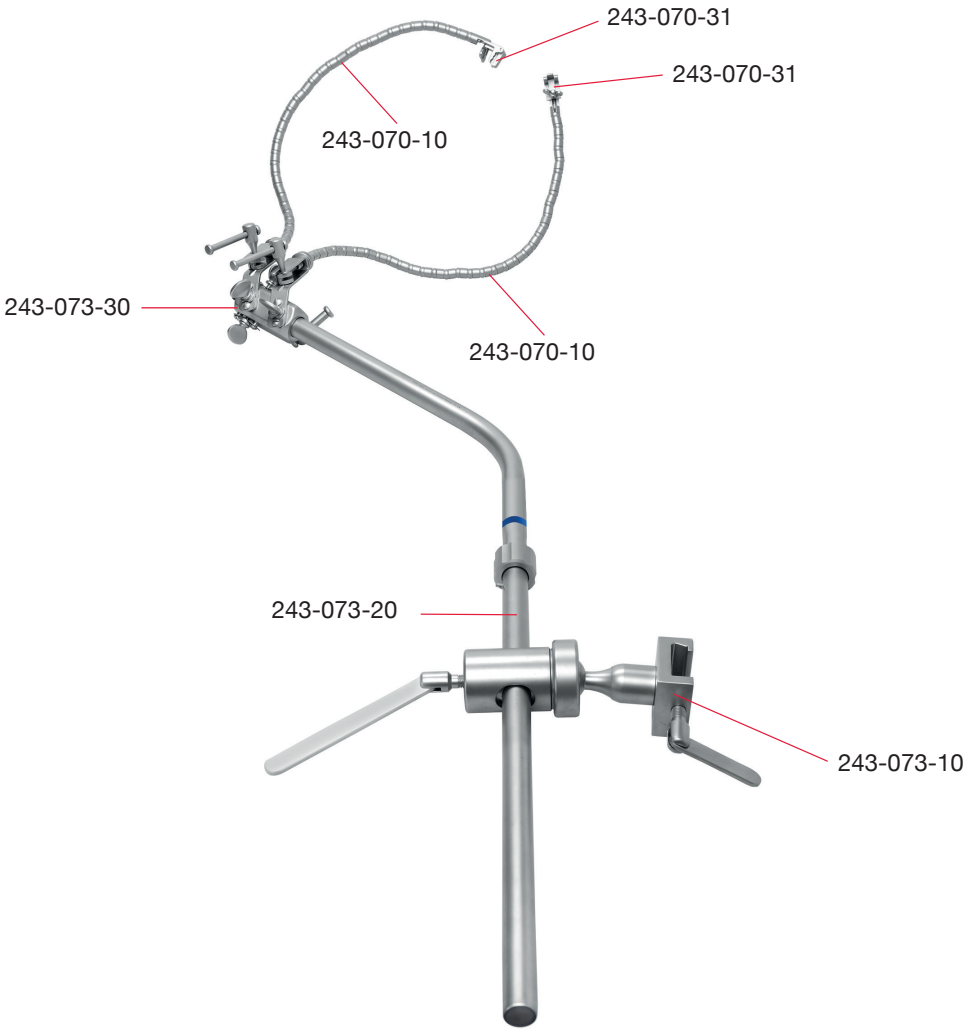


bestehend aus: | consisting of:
compuesto de: | composé de: | composto da:

243-073-10	**1 x Kugelgelenkkolben** **1 x Ball and socket join** 1 x Zapato p.la fijacion 1 x Sabot pour fixer 1 x Zoccolo	**243-073-20**	**1 x Haltearm** **1 x Holding rod** 1 x Brazo de soporte 1 x Bras à tenir 1 x Porta asta	**243-073-31**	**1 x Kupplungskopf** **1 x Coupling head** 1 x Acoplamiento 1 x Embrayage 1 x Accoppiamento
243-070-10	**1 x Spannarm** **1 x Flexible arm** 1 x Brazo flexible 1 x Bras flexible 1 x Braccio flessibile	**243-070-30**	**1 x Spatelhalter** **1 x Support** 1 x Porta-espátula 1 x Support 1 x Supporto		

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
243-077-00	**LEYLA**		SET

2-Arm | with 2 arms | con 2 brazos | avec 2 bras | con 2 bracci

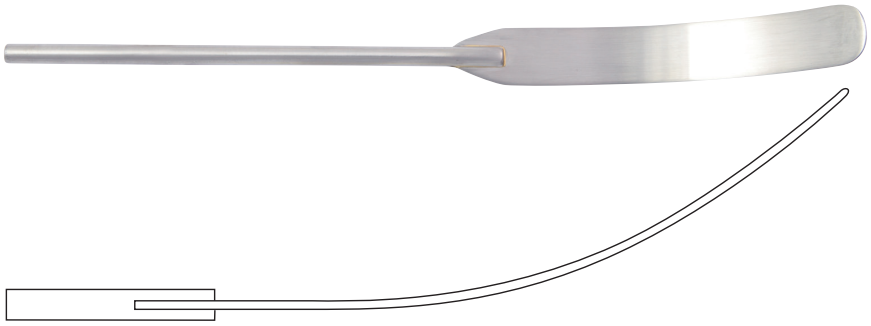


bestehend aus: | consisting of:
compuesto de: | composé de: | composto da:

243-073-10	**1 x Kugelgelenkkolben** **2 x Ball and socket join** 2 x Zapato p.la fijacion 2 x Sabot pour fixer 2 x Zoccolo	**243-073-20**	**1 x Haltearm** **1 x Holding rod** 1 x Brazo de soporte 1 x Bras à tenir 1 x Porta asta	**243-073-30**	**1 x Kupplungskopf** **2 x Coupling head** 2 x Acoplamiento 2 x Embrayage 2 x Accoppiamento
243-070-10	**2 x Spannarm** **2 x Flexible arm** 2 x Brazo flexible 2 x Bras flexible 2 x Braccio flessibile	**243-070-31**	**2 x Spatelhalter** **1 x Support** 1 x Porta-espátula 1 x Support 1 x Supporto		

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
243-070-10	**Spannarm** **Flexible arm** Brazo flexible Bras flexible Braccio flessibile		
243-070-20	**Fixiervorrichtung für 1 Arm zum Festschrauben am Schädel** **Fixation base for 1 arm at skull** Fijador para 1 brazo al craneo Base de fixation pour 1 bras au crâne Fissatore per 1 braccio al cranio		
243-070-21	**Fixiervorrichtung für 2 Arme zum Festschrauben am Schädel** **Fixation base for 2 arms at skull** Fijador para 2 brazos al craneo Base de fixation pour 2 bras au crâne Fissatore per 2 bracci al cranio		
243-070-22	**Fixiervorrichtung für 1 Arm zum Festschrauben am Starrarm** **Fixation base for 1 arm at rigid arm** Fijador para 1 brazo al brazo rígido Base de fixation pour 1 bras au bras rigide Fissatore per 1 braccio al braccio rigido		
243-070-30	**Halter für Spatel mit rundem Schaft** **Holder for spatula with round stem** Soporte para espátulas con vástago redondo Support pour des spatules à fût rond Sostegno per spatole con asta rotonda		
243-070-31	**Halter für flache Spatel** **Holder for flat spatula** Soporte para espátulas llanas Support pour des spatules plates Sostegno per spatole piatte		

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	HEIFETZ	**20,0 cm; 7 7/8"**	

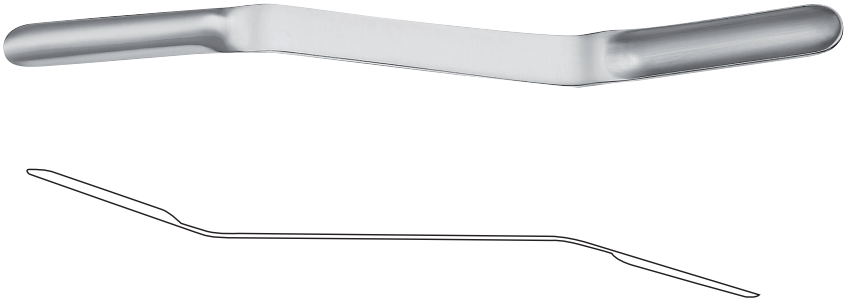


243-130-08	**8,0 mm**	
243-130-11	**11,0 mm**	
243-130-14	**14,0 mm**	
243-130-17	**17,0 mm**	
243-130-20	**20,0 mm**	
	HEIFETZ	**15,5 cm; 6 1/8"**

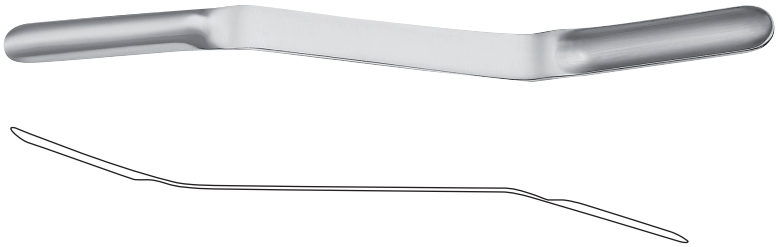


243-132-08	**8,0 mm**	
243-132-11	**11,0 mm**	
243-132-14	**14,0 mm**	
243-132-17	**17,0 mm**	
	OLIVECRONA	**18,0 cm; 7"**

konkav | concave | concáva | concave | concava

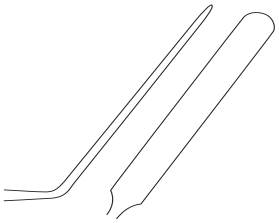


243-136-01	**7 + 9 mm**
243-136-02	**11 + 13 mm**
243-136-03	**15 + 18 mm**
243-136-04	**19 + 21 mm**

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	OLIVECRONA	**18,0 cm; 7"**	
	konvex | convex | convexo | convexe | convesso		
			
243-138-01	**7 + 9 mm**		
243-138-02	**11 + 13 mm**		
243-138-03	**15 + 18 mm**		
243-138-04	**19 + 21 mm**		
	biegsam | malleable | maleable | malléable | malleabile	**20,0 cm; 7 7/8"**	
			
243-146-12	**12,0 mm**		
243-146-17	**17,0 mm**		
	CUSHING	**19,5 cm; 7 5/8"**	
243-148-19	**7 + 9 mm**		
			

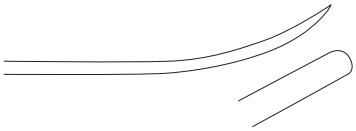
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
243-200-20	HORSLEY	20,0 cm; 7 7/8"	





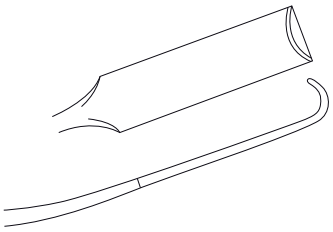
243-202-21	SACHS	21,0 cm; 8 2/8"	





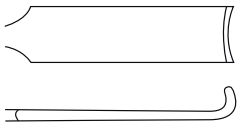
243-203-07	HOLSHER	24,0 cm; 8 2/8"	





243-205-23	SCOVILLE	23,0 cm; 9" 8,0 mm	





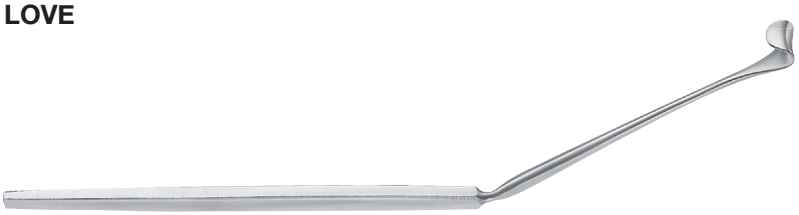
Nervwurzelhaken
Nerve Root Retractors
Separadores para la raíz nervio
Retracteurs pour racines nerveuses
Uncini per le radici di nervi

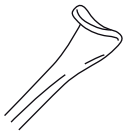
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
243-207-00	LOVE	20,5 cm; 8"	





243-207-45	LOVE	20,5 cm; 8"	45°





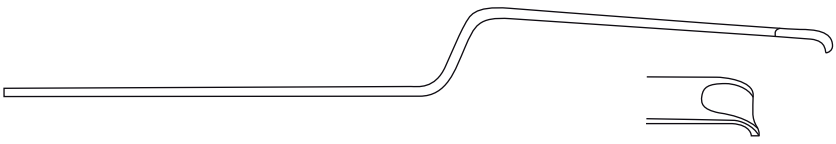
243-207-90	LOVE	20,5 cm; 8"	90°





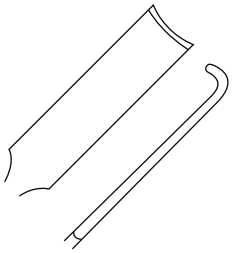
243-208-22	LOVE	21,0 cm; 8 2/8"





243-213-20	SCOVILLE	20,0 cm; 7 7/8" 8,0 mm





Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
243-217-17	SMITHWICK	16,5 cm; 6 4/8"	



243-217-21	SMITHWICK	21,0 cm; 8 4/8"	



243-221-14	CUSHING	14,5 cm; 5 6/8"	





Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	SACHS	**21,0 cm; 8 4/8"**	





243-228-21



243-230-21



243-231-15	**FRAZIER**	**16,5 cm; 6 4/8"**	

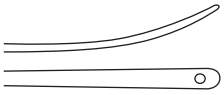




OLIVECRONA



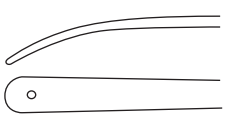


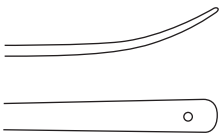


243-234-18	**18,0 cm; 7 1/8"**	**243-234-24**	**24,0 cm; 9 4/8"**

OLIVECRONA







243-235-19	**19,5 cm; 7 5/8"**	**243-235-24**	**24,0 cm; 9 4/8"**

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
243-236-21	MILLIGAN	21,0 cm; 8 4/8"	





243-237-22		22,0 cm; 8 5/8"	



243-238-01	TOENNIS	24,0 cm; 9 4/8"	



243-239-24	DAVIS	24,5 cm; 9 5/8"	



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	PENFIELD		
243-240-01	**Fig. 1 17,5 cm; 6 7/8"**		



243-240-02	**Fig. 2 19,5 cm; 7 5/8"**		



243-240-03	**Fig. 3 19,5 cm; 7 5/8"**		



243-240-04	**Fig. 4 20,5 cm; 8 1/8"**		



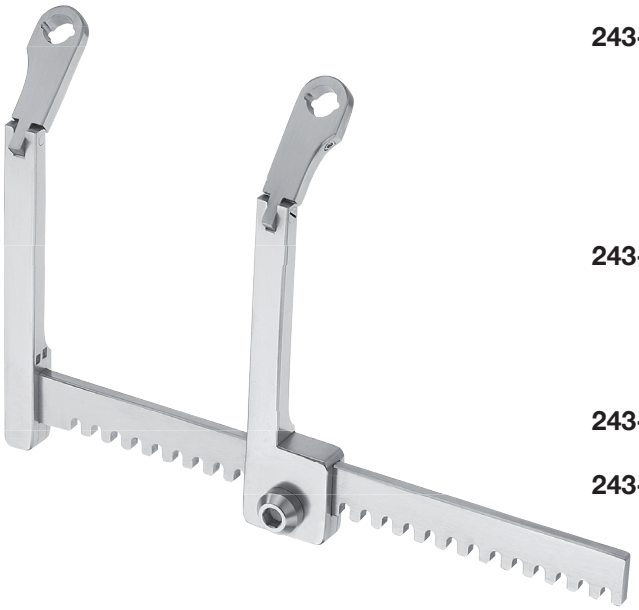
243-240-05	**Fig. 5 29,0 cm; 11 3/8"**		



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

CASPAR

SET



243-350-10



243-351-38



243-352-37
⋮
243-352-57



243-350-00	**bestehend aus:**
243-350-01	1 Rahmen
243-350-10	1 Drehschlüssel
243-351-38	1 Haken 38 mm
243-352-37	1 Seitenvalve 37 x 22 mm
243-352-43	1 Seitenvalve 43 x 22 mm
243-352-47	1 Seitenvalve 47 x 22 mm
243-352-52	1 Seitenvalve 52 x 22 mm
243-352-57	1 Seitenvalve 57 x 22 mm

243-350-00	**consisting of:**
243-350-01	1 Frame
243-350-10	1 Key
243-351-38	1 Hook 38 mm
243-352-37	1 Lateral blade 37 x 22 mm
243-352-43	1 Lateral blade 43 x 22 mm
243-352-47	1 Lateral blade 47 x 22 mm
243-352-52	1 Lateral blade 52 x 22 mm
243-352-57	1 Lateral blade 57 x 22 mm

243-350-00	**compuesto de:**
243-350-01	1 Cuadro
243-350-10	1 Llave
243-351-38	1 Gancho 38 mm
243-352-37	1 Valva lateral 37 x 22 mm
243-352-43	1 Valva lateral 43 x 22 mm
243-352-47	1 Valva lateral 47 x 22 mm
243-352-52	1 Valva lateral 52 x 22 mm
243-352-57	1 Valva lateral 57 x 22 mm

243-350-00	**composé de:**
243-350-01	1 Cadre
243-350-10	1 Clé
243-351-38	1 Crochet 38 mm
243-352-37	1 Valve latéral 37 x 22 mm
243-352-43	1 Valve latéral 43 x 22 mm
243-352-47	1 Valve latéral 47 x 22 mm
243-352-52	1 Valve latéral 52 x 22 mm
243-352-57	1 Valve latéral 57 x 22 mm

243-350-00	**composto da:**
243-350-01	1 Telaio
243-350-10	1 Chiave
243-351-38	1 Uncino 38 mm
243-352-37	1 Valva laterale 37 x 22 mm
243-352-43	1 Valva laterale 43 x 22 mm
243-352-47	1 Valva laterale 47 x 22 mm
243-352-52	1 Valva laterale 52 x 22 mm
243-352-57	1 Valva laterale 57 x 22 mm

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
243-350-10	**Drehschlüssel** **Key** Llave Clé Chiave		



CASPAR Haken
Hooks
Ganchos
Crochets
Uncini

243-351-38	38,0 mm	243-351-58	58,0 mm





CASPAR

243-352-32	32 x 22 mm	243-353-32	32 x 37 mm
243-352-37	37 x 22 mm	243-353-37	37 x 37 mm
243-352-43	43 x 22 mm	243-353-43	43 x 37 mm
243-352-47	47 x 22 mm	243-353-47	47 x 37 mm
243-352-52	52 x 22 mm	243-353-52	52 x 37 mm
243-352-57	57 x 22 mm	243-353-62	62 x 37 mm
243-352-62	62 x 22 mm	243-353-67	67 x 37 mm
243-352-67	67 x 22 mm		





243-354-32	32 x 52 mm
243-354-37	37 x 52 mm
243-354-43	43 x 52 mm
243-354-47	47 x 52 mm
243-354-52	52 x 52 mm
243-354-62	62 x 52 mm
243-354-67	67 x 52 mm



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

CASPAR

SET



243-361-40
⋮
243-361-60



243-363-40
⋮
243-363-60



243-360-00	**bestehend aus:**
243-360-01	1 Rahmen
243-361-40	1 Valve medial 40 x 23 mm
243-361-45	1 Valve medial 45 x 23 mm
243-361-50	1 Valve medial 50 x 23 mm
243-361-55	1 Valve medial 55 x 23 mm
243-361-60	1 Valve medial 60 x 23 mm
243-363-40	1 Valve lateral 40 x 23 mm
243-363-45	1 Valve lateral 45 x 23 mm
243-363-50	1 Valve lateral 50 x 23 mm
243-363-55	1 Valve lateral 55 x 23 mm
243-363-60	1 Valve lateral 60 x 23 mm

243-360-00	**consisting of:**
243-360-01	1 Frame
243-361-40	1 Valve medial 40 x 23 mm
243-361-45	1 Valve medial 45 x 23 mm
243-361-50	1 Valve medial 50 x 23 mm
243-361-55	1 Valve medial 55 x 23 mm
243-361-60	1 Valve medial 60 x 23 mm
243-363-40	1 Valve lateral 40 x 23 mm
243-363-45	1 Valve lateral 45 x 23 mm
243-363-50	1 Valve lateral 50 x 23 mm
243-363-55	1 Valve lateral 55 x 23 mm
243-363-60	1 Valve lateral 60 x 23 mm

243-360-00	**compuesto de:**
243-360-01	1 Cuadro
243-361-40	1 Valva medial 40 x 23 mm
243-361-45	1 Valva medial 45 x 23 mm
243-361-50	1 Valva medial 50 x 23 mm
243-361-55	1 Valva medial 55 x 23 mm
243-361-60	1 Valva medial 60 x 23 mm
243-363-40	1 Valva lateral 40 x 23 mm
243-363-45	1 Valva lateral 45 x 23 mm
243-363-50	1 Valva lateral 50 x 23 mm
243-363-55	1 Valva lateral 55 x 23 mm
243-363-60	1 Valva lateral 60 x 23 mm

243-360-00	**composé de:**
243-360-01	1 Cadre
243-361-40	1 Valve mediale 40 x 23 mm
243-361-45	1 Valve mediale 45 x 23 mm
243-361-50	1 Valve mediale 50 x 23 mm
243-361-55	1 Valve mediale 55 x 23 mm
243-361-60	1 Valve mediale 60 x 23 mm
243-363-40	1 Valve latérale 40 x 23 mm
243-363-45	1 Valve latérale 45 x 23 mm
243-363-50	1 Valve latérale 50 x 23 mm
243-363-55	1 Valve latérale 55 x 23 mm
243-363-60	1 Valve latérale 60 x 23 mm

243-360-00	**composto da:**
243-360-01	1 Telaio
243-361-40	1 Valva mediale 40 x 23 mm
243-361-45	1 Valva mediale 45 x 23 mm
243-361-50	1 Valva mediale 50 x 23 mm
243-361-55	1 Valva mediale 55 x 23 mm
243-361-60	1 Valva mediale 60 x 23 mm
243-363-40	1 Valva laterale 40 x 23 mm
243-363-45	1 Valva laterale 45 x 23 mm
243-363-50	1 Valva laterale 50 x 23 mm
243-363-55	1 Valva laterale 55 x 23 mm
243-363-60	1 Valva laterale 60 x 23 mm

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

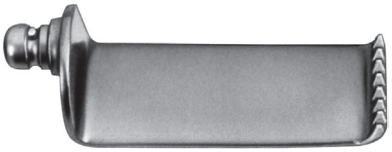
CASPAR

medial | medial | medial | medial | mediale

243-361-40	40 x 23 mm	
243-361-45	45 x 23 mm	
243-361-50	50 x 23 mm	
243-361-55	55 x 23 mm	
243-361-60	60 x 23 mm	

CASPAR

lateral | lateral | lateral | latéral | laterale

243-363-40	40 x 23 mm	
243-363-45	45 x 23 mm	
243-363-50	50 x 23 mm	
243-363-55	55 x 23 mm	
243-363-60	60 x 23 mm	

CASPAR

stumpf | blunt | romo | mousse | smusso

243-365-40	40 x 23 mm	
243-365-45	45 x 23 mm	
243-365-50	50 x 23 mm	
243-365-55	55 x 23 mm	
243-365-60	60 x 23 mm	
243-365-65	65 x 23 mm	

CASPAR

stumpf | blunt | romo | mousse | smusso

243-367-50	50 x 25 mm	
243-367-60	60 x 25 mm	

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
243-368-12	**Pinzette zum Valvenwechseln** **Forceps for changing blades** Pinza para cambiar las valvas Pince pour le changement des valves Pinza per cambiare le valve	**11,5 cm; 4 1/2"**	



	CASPAR	**10,5 cm; 4 1/8"**	SET



243-365-45
243-365-65



243-370-00	**bestehend aus:**
243-370-01	1 Sperrer
243-365-45	1 Valve stumpf 45 x 23 mm
243-365-50	1 Valve stumpf 50 x 23 mm
243-365-55	1 Valve stumpf 55 x 23 mm
243-365-60	1 Valve stumpf 60 x 23 mm
243-365-65	1 Valve stumpf 65 x 23 mm

243-370-00	**consisting of:**
243-370-01	1 Spreader
243-365-45	1 Valve blunt 45 x 23 mm
243-365-50	1 Valve blunt 50 x 23 mm
243-365-55	1 Valve blunt 55 x 23 mm
243-365-60	1 Valve blunt 60 x 23 mm
243-365-65	1 Valve blunt 65 x 23 mm

243-370-00	**compuesto de:**
243-370-01	1 Separador
243-365-45	1 Valva romo 45 x 23 mm
243-365-50	1 Valva romo 50 x 23 mm
243-365-55	1 Valva romo 55 x 23 mm
243-365-60	1 Valva romo 60 x 23 mm
243-365-65	1 Valva romo 65 x 23 mm

243-370-00	**composé de:**
243-370-01	1 Ècarteur
243-365-45	1 Valve mousse 45 x 23 mm
243-365-50	1 Valve mousse 50 x 23 mm
243-365-55	1 Valve mousse 55 x 23 mm
243-365-60	1 Valve mousse 60 x 23 mm
243-365-65	1 Valve mousse 65 x 23 mm

243-370-00	**composto da:**
243-370-01	1 Divaricatore
243-365-45	1 Valva smusso 45 x 23 mm
243-365-50	1 Valva smusso 50 x 23 mm
243-365-55	1 Valva smusso 55 x 23 mm
243-365-60	1 Valva smusso 60 x 23 mm
243-365-65	1 Valva smusso 65 x 23 mm

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	CASPAR	**16,5 cm; 6 1/2"**	SET



243-365-50
⋮
243-365-65



243-380-00 **bestehend aus:**
243-380-01 1 Sperrer
243-365-45 1 Valve stumpf 45 x 23 mm
243-365-50 1 Valve stumpf 50 x 23 mm
243-365-55 1 Valve stumpf 55 x 23 mm
243-365-60 1 Valve stumpf 60 x 23 mm
243-365-65 1 Valve stumpf 65 x 23 mm

243-380-00 **consisting of:**
243-380-01 1 Spreader
243-365-45 1 Valve blunt 45 x 23 mm
243-365-50 1 Valve blunt 50 x 23 mm
243-365-55 1 Valve blunt 55 x 23 mm
243-365-60 1 Valve blunt 60 x 23 mm
243-365-65 1 Valve blunt 65 x 23 mm

243-380-00 **compuesto de:**
243-380-01 1 Separador
243-365-45 1 Valva romo 45 x 23 mm
243-365-50 1 Valva romo 50 x 23 mm
243-365-55 1 Valva romo 55 x 23 mm
243-365-60 1 Valva romo 60 x 23 mm
243-365-65 1 Valva romo 65 x 23 mm

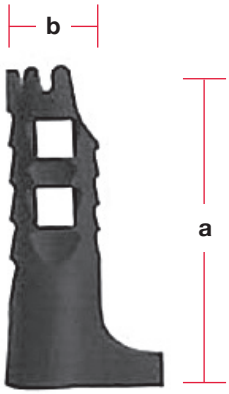
243-380-00 **composé de:**
243-380-01 1 Ècarteur
243-365-45 1 Valve mousse 45 x 23 mm
243-365-50 1 Valve mousse 50 x 23 mm
243-365-55 1 Valve mousse 55 x 23 mm
243-365-60 1 Valve mousse 60 x 23 mm
243-365-65 1 Valve mousse 65 x 23 mm

243-380-00 **composto da:**
243-380-01 1 Divaricatore
243-365-45 1 Valva smusso 45 x 23 mm
243-365-50 1 Valva smusso 50 x 23 mm
243-365-55 1 Valva smusso 55 x 23 mm
243-365-60 1 Valva smusso 60 x 23 mm
243-365-65 1 Valva smusso 65 x 23 mm

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	CASPAR	**15,0 cm; 6"**	



243-390-40	**40 x 18 mm (a x b)**	**243-390-45**	**45 x 18 mm**	**243-390-50**	**50 x 18 mm**







243-390-55	**55 x 18 mm**	**243-390-60**	**60 x 18 mm**

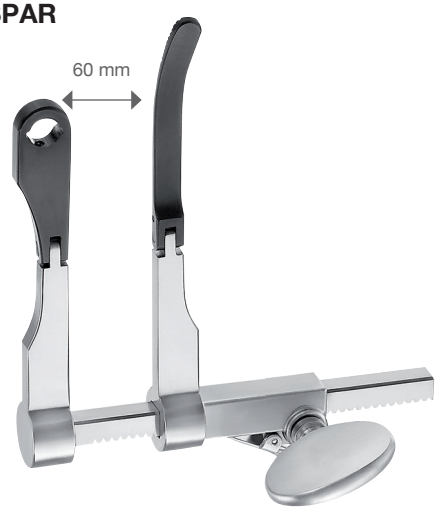




Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

CASPAR

SET



243-410-00 **bestehend aus:**
243-410-01 1 Rahmen
243-413-35 1 Seitenvalve 35 x 12 mm
243-413-40 1 Seitenvalve 40 x 13 mm
243-413-45 1 Seitenvalve 45 x 13 mm
243-413-50 1 Seitenvalve 50 x 14 mm
243-413-55 1 Seitenvalve 55 x 14 mm
243-413-60 1 Seitenvalve 60 x 15 mm

243-410-00 **consisting of:**
243-410-01 1 Frame
243-413-35 1 Lateral blade 35 x 12 mm
243-413-40 1 Lateral blade 40 x 13 mm
243-413-45 1 Lateral blade 45 x 13 mm
243-413-50 1 Lateral blade 50 x 14 mm
243-413-55 1 Lateral blade 55 x 14 mm
243-413-60 1 Lateral blade 60 x 15 mm

243-410-00 **compuesto de:**
243-410-01 1 Cuadro
243-413-35 1 Valva lateral 35 x 12 mm
243-413-40 1 Valva lateral 40 x 13 mm
243-413-45 1 Valva lateral 45 x 13 mm
243-413-50 1 Valva lateral 50 x 14 mm
243-413-55 1 Valva lateral 55 x 14 mm
243-413-60 1 Valva lateral 60 x 15 mm

243-410-00 **composé de:**
243-410-01 1 Cadre
243-413-35 1 Valve latéral 35 x 12 mm
243-413-40 1 Valve latéral 40 x 13 mm
243-413-45 1 Valve latéral 45 x 13 mm
243-413-50 1 Valve latéral 50 x 14 mm
243-413-55 1 Valve latéral 55 x 14 mm
243-413-60 1 Valve latéral 60 x 15 mm

243-410-00 **composto da:**
243-410-01 1 Telaio
243-413-35 1 Valva laterale 35 x 12 mm
243-413-40 1 Valva laterale 40 x 13 mm
243-413-45 1 Valve laterale 45 x 13 mm
243-413-50 1 Valva laterale 50 x 14 mm
243-413-55 1 Valva laterale 55 x 14 mm
243-413-60 1 Valva laterale 60 x 15 mm

CASPAR

lateral | lateral | lateral | latéral | lateral

243-413-35	**35 x 12 mm**	**243-413-50**	**50 x 14 mm**
243-413-40	**40 x 13 mm**	**243-413-55**	**55 x 14 mm**
243-413-45	**45 x 13 mm**	**243-413-60**	**60 x 15 mm**



medial | medial | medial | medial | medial

243-414-35	**35 x 12 mm**	**243-414-50**	**50 x 14 mm**
243-414-40	**40 x 13 mm**	**243-414-55**	**55 x 14 mm**
243-414-45	**45 x 13 mm**	**243-414-60**	**60 x 15 mm**



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

SCOVILLE

SET



243-415-00	**bestehend aus:**	**243-415-00**	**compuesto de:**
243-415-01	1 Rahmen	243-415-01	1 Cuadro
243-421-50	1 Haken 50 mm	243-421-50	1 Gancho 50 mm
243-423-01	1 Seitenvalve 63 x 25 mm	243-423-01	1 Valva lateral 63 x 25 mm
243-415-00	**consisting of:**	**243-415-00**	**composé de:**
243-415-01	1 Frame	243-415-01	1 Cadre
243-421-50	1 Hooks 50 mm	243-421-50	1 Crochet 50 mm
243-423-01	1 Lateral blade 63 x 25 mm	243-423-01	1 Valve latéral 63 x 25 mm
		243-415-00	**composto da:**
		243-415-01	1 Telaio
		243-421-50	1 Uncino 50 mm
		243-423-01	1 Valva laterale 63 x 25 mm

SCOVILLE-HAVERFIELD

mit Gelenkarmen
with articulated arms
con brazos articulados
avec bras articulés
con braccio articolato

SET



243-420-00	**bestehend aus:**	**243-420-00**	**compuesto de:**
243-420-01	1 Rahmen	243-420-01	1 Cuadro
243-421-50	1 Haken 50 mm	243-421-50	1 Gancho 50 mm
243-423-01	1 Seitenvalve 63 x 25 mm	243-423-01	1 Valva lateral 63 x 25 mm
243-420-00	**consisting of:**	**243-420-00**	**composé de:**
243-420-01	1 Frame	243-420-01	1 Cadre
243-421-50	1 Hook 50 mm	243-421-50	1 Crochet 50 mm
243-423-01	1 Lateral blades 63 x 25 mm	243-423-01	1 Valve latéral 63 x 25 mm
		243-420-00	**composto da:**
		243-420-01	1 Telaio
		243-421-50	1 Uncino 50 mm
		243-423-01	1 Valva laterale 63 x 25 mm

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	SCOVILLE		
243-421-50	**50,0 mm**		
243-421-75	**75,0 mm**		



	SCOVILLE		
243-422-50	**50,0 mm**		
243-422-75	**75,0 mm**		



	SCOVILLE		
243-423-01	**63 x 25 mm**		
243-423-02	**63 x 51 mm**		
243-423-03	**67 x 32 mm**		



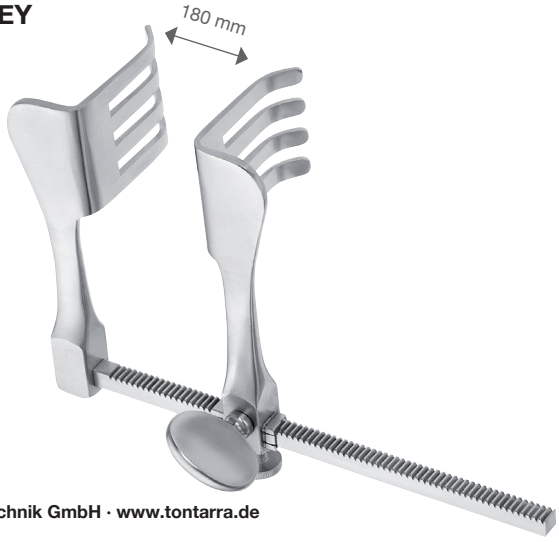
	TAYLOR		
243-425-03	**47 x 37 mm**		
243-425-04	**63 x 51 mm**		



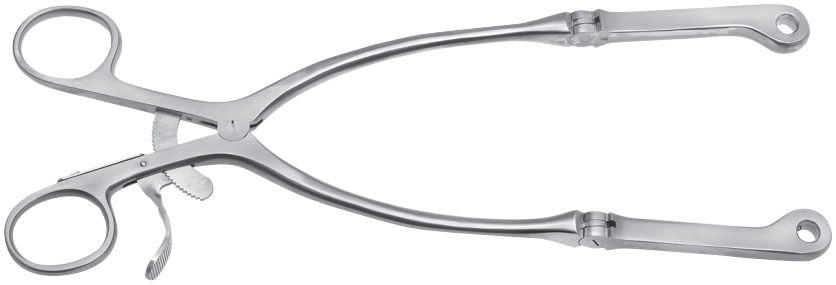
243-427-01	**48 x 50 mm**		
243-427-03	**64 x 63 mm**		
243-427-04	**80 x 57 mm**		



243-450-00	**BADGLEY**	**52 x 44 mm**	



Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	CLOWARD	**25,0 cm; 10"**	SET



243-460-00	**bestehend aus:**
243-460-01	1 Sperrer
243-461-40	1 gezahnte Seitenvalve 40 x 15 - 23 mm
243-461-45	1 gezahnte Seitenvalve 45 x 15 - 23 mm
243-461-50	1 gezahnte Seitenvalve 50 x 15 - 23 mm
243-461-55	1 gezahnte Seitenvalve 55 x 15 - 23 mm
243-461-60	1 gezahnte Seitenvalve 60 x 15 - 23 mm

243-460-00	**consisting of:**
243-460-01	1 Spreader
243-461-40	1 lateral valve serrated 40 x 15 - 23 mm
243-461-45	1 lateral valve serrated 45 x 15 - 23 mm
243-461-50	1 lateral valve serrated 50 x 15 - 23 mm
243-461-55	1 lateral valve serrated 55 x 15 - 23 mm
243-461-60	1 lateral valve serrated 60 x 15 - 23 mm

243-460-00	**compuesto de:**
243-460-01	1 Separador
243-461-40	1 valva lateral dentada 40 x 15 - 23 mm
243-461-45	1 valva lateral dentada 45 x 15 - 23 mm
243-461-50	1 valva lateral dentada 50 x 15 - 23 mm
243-461-55	1 valva lateral dentada 55 x 15 - 23 mm
243-461-60	1 valva lateral dentada 60 x 15 - 23 mm

243-460-00	**composé de:**
243-460-01	1 Écarteur
243-461-40	1 valve latérale dentelée 40 x 15 - 23 mm
243-461-45	1 valve latérale dentelée 45 x 15 - 23 mm
243-461-50	1 valve latérale dentelée 50 x 15 - 23 mm
243-461-55	1 valve latérale dentelée 55 x 15 - 23 mm
243-461-60	1 valve latérale dentelée 60 x 15 - 23 mm

243-460-00	**composto da:**
243-460-01	1 Divaricatore
243-461-40	1 valva laterale dentellata 40 x 15 - 23 mm
243-461-45	1 valva laterale dentellata 45 x 15 - 23 mm
243-461-50	1 valva laterale dentellata 50 x 15 - 23 mm
243-461-55	1 valva laterale dentellata 55 x 15 - 23 mm
243-461-60	1 valva laterale dentellata 60 x 15 - 23 mm

243-461-40



40 x 15 - 23 mm

243-461-45



45 x 15 - 23 mm

243-461-50



50 x 15 - 23 mm

243-461-55



55 x 15 - 23 mm

243-461-60



60 x 15 - 23 mm

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	CLOWARD	**15,0 cm; 5 1/8"**	SET



243-465-00	**bestehend aus:**
243-465-01	1 Sperrer
243-462-40	1 stumpfe Seitenvalve 40 x 15 - 23 mm
243-462-45	1 stumpfe Seitenvalve 45 x 15 - 23 mm
243-462-50	1 stumpfe Seitenvalve 50 x 15 - 23 mm
243-462-55	1 stumpfe Seitenvalve 55 x 15 - 23 mm
243-462-60	1 stumpfe Seitenvalve 60 x 15 - 23 mm

243-465-00	**consisting of:**
243-465-01	1 Spreader
243-462-40	1 lateral valve blunt 40 x 15 - 23 mm
243-462-45	1 lateral valve blunt 45 x 15 - 23 mm
243-462-50	1 lateral valve blunt 50 x 15 - 23 mm
243-462-55	1 lateral valve blunt 55 x 15 - 23 mm
243-462-60	1 lateral valve blunt 60 x 15 - 23 mm

243-465-00	**compuesto de:**
243-465-01	1 Separador
243-462-40	1 valva lateral roma 40 x 15 - 23 mm
243-462-45	1 valva lateral roma 45 x 15 - 23 mm
243-462-50	1 valva lateral roma 50 x 15 - 23 mm
243-462-55	1 valva lateral roma 55 x 15 - 23 mm
243-462-60	1 valva lateral roma 60 x 15 - 23 mm

243-465-00	**composé de:**
243-465-01	1 Écarteur
243-462-40	1 valve latérale mousse 40 x 15 - 23 mm
243-462-45	1 valve latérale mousse 45 x 15 - 23 mm
243-462-50	1 valve latérale mousse 50 x 15 - 23 mm
243-462-55	1 valve latérale mousse 55 x 15 - 23 mm
243-462-60	1 valve latérale mousse 60 x 15 - 23 mm

243-465-00	**composto da:**
243-465-01	1 Divaricatore
243-462-40	1 valva laterale smussa 40 x 15 - 23 mm
243-462-45	1 valva laterale smussa 45 x 15 - 23 mm
243-462-50	1 valva laterale smussa 50 x 15 - 23 mm
243-462-55	1 valva laterale smussa 55 x 15 - 23 mm
243-462-60	1 valva laterale smussa 60 x 15 - 23 mm

243-462-40  **40 x 15 - 23 mm**

243-462-45  **45 x 15 - 23 mm**

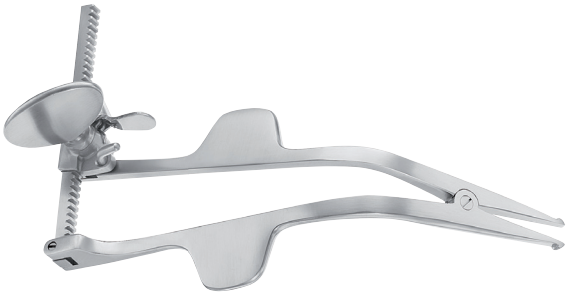
243-462-50  **50 x 15 - 23 mm**

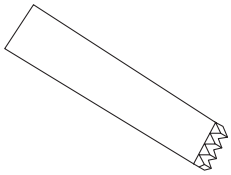
243-462-55  **55 x 15 - 23 mm**

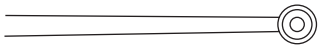
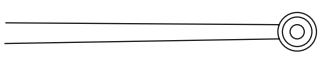
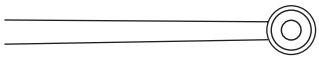
243-462-60  **60 x 15 - 23 mm**

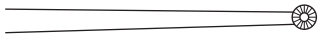
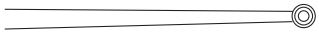
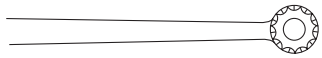
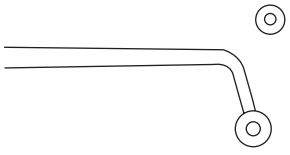
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
243-473-13	**CLOWARD**	**15,0 cm; 5 7/8"**	

Spreizweite 18 mm | Spreading 18 mm
Abertura 18 mm | Écartement 18 mm | Apertura 18 mm



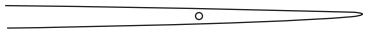
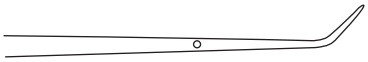


Art.Nr.	Beschreibung | *Description*		*Size*	*Spez.*
	YASARGIL			
				
243-510-18	18,0 cm; 7 1/8"			
243-510-20	20,0 cm; 7 7/8"		0,6 mm	
243-510-22	22,0 cm; 8 5/8"			
243-510-24	24,0 cm; 9 4/8"			
243-512-18	18,0 cm; 7 1/8"			
243-512-20	20,0 cm; 7 7/8"		0,9 mm	
243-512-22	22,0 cm; 8 5/8"			
243-512-24	24,0 cm; 9 4/8"			
243-515-18	18,0 cm; 7 1/8"		1 x 2	
				
	YASARGIL		22,0 cm; 8 5/8"	
243-520-03			Ø 3,0 mm	
243-520-05			Ø 5,0 mm	
	YASARGIL-SAMII		24,0 cm; 9 4/8"	
243-522-03			Ø 3,0 mm	
243-522-05			Ø 5,0 mm	
243-522-07			Ø 7,0 mm	

Art.Nr.	Beschreibung | *Description*		*Size*	*Spez.*
				
	YASARGIL		**22,0 cm; 8 5/8"**	
243-524-03		**Ø 3,0 mm**		
243-524-05		**Ø 5,0 mm**		
	YASARGIL-SAMII		**22,0 cm; 8 5/8"**	
243-526-03		**Ø 3,0 mm**		
243-526-05		**Ø 5,0 mm**		
	SAMII		**23,0 cm; 9"**	
				
243-527-03		**Ø 3,0 mm**		
243-527-04		**Ø 4,0 mm**		
243-527-05		**Ø 5,0 mm**		
243-529-03		**Ø 3,0 mm**		
243-529-04		**Ø 4,0 mm**		
243-529-05		**Ø 5,0 mm**		

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
		18,5 cm; 7 2/8"	



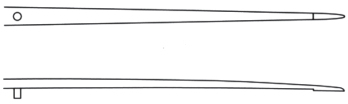
243-516-03		0,3 mm
243-516-06		0,6 mm
243-517-06		0,6 mm



243-550-12	12,0 cm; 4 6/8"		0,3 mm		
243-550-15	15,0 cm; 5 7/8"				
243-550-18	18,0 cm; 7 1/8"				
243-550-21	21,0 cm; 8 2/8"				
243-551-12	12,0 cm; 4 6/8"		0,3 mm		
243-551-15	15,0 cm; 5 7/8"				
243-551-18	18,0 cm; 7 1/8"				
243-551-21	21,0 cm; 8 2/8"				
243-560-12	12,0 cm; 4 6/8"		0,3 mm		1 x 2
243-560-15	15,0 cm; 5 7/8"				
243-560-18	18,0 cm; 7 1/8"				
243-561-12	12,0 cm; 4,8"		0,3 mm		1 x 2
243-561-15	15,0 cm; 5 7/8"				
243-561-18	18,0 cm; 7 1/8"				

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
243-570-23		**23,0 cm; 9"**	





0,6 mm

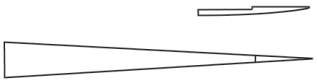
AUSTIN



243-572-14	**14,0 cm; 5 4/8"**		**0,8 mm**
243-572-18	**18,0 cm; 7 1/8"**		**0,8 mm**

243-574-12		**12,0 cm; 4 6/8"**





0,3 mm

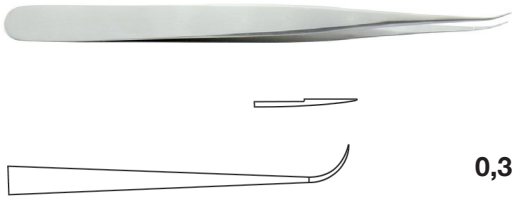
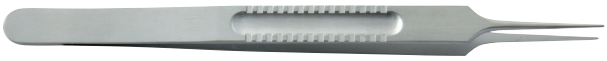
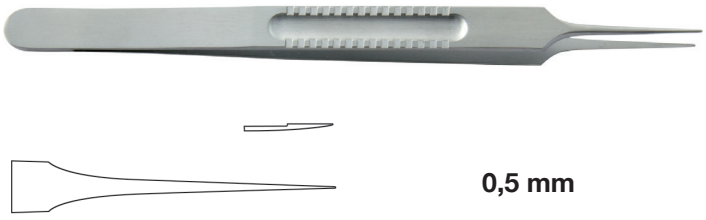
1/1

243-576-13	**VISE**	**13,5 cm; 5 3/8**



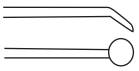


0,3 mm

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
243-577-13	**VISE**	13,5 cm; 5 3/8	
	 0,3 mm		
	LAZAR	15,5 cm; 6 1/8"	
			
243-578-05	 0,5 mm		
243-578-08	 0,8 mm		
243-580-18		18,5 cm; 7 2/8"	
	 0,5 mm		

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
		23,0 cm; 9"	



243-620-01	**halbscharf | semi-sharp** | semi-agudo | semi-pointu | semi-acuto	
243-620-02	**stumpf | blunt** | romo | mousse | smusso	
243-621-01	**Dissektor | Dissector** | Disecador | Dissecteur | Dissettore	
243-621-02	**Dissektor | Dissector** | Disecador | Dissecteur | Dissettore	
243-622-01	**Löffel | Scoop** | Cucharilla | Cuillére | Cucchiaio	
243-622-02	**Löffel | Scoop** | Cucharilla | Cuillére | Cucchiaio	
243-623-01	**Fig. 1** **Raspatorium | Periosteal elevator** Legra | Rugine-raspatoire | Raspatore	
243-623-02	**Fig. 2** **Raspatorium | Periosteal elevator** Legra | Rugine-raspatoire | Raspatore	

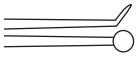
		23,0 cm; 9"



Dissektor | Dissector | Disecador | Dissecteur | Dissettore

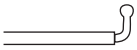
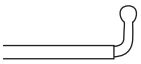
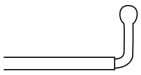
243-635-01	
243-635-02	

Raspatorium | Periosteal elevator | Legra | Rugine-raspatoire | Raspatore

243-635-03	

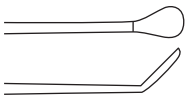
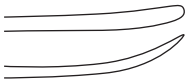
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	CASPAR **Explorationshaken; isoliert** **Exploration hook; insulated** Ganchos para exploración; aislados Crochet pour exploration; isolé Uncini per esplorazione; isolati	**25,0 cm; 10"**	



243-644-01	**Fig. 1**	
243-644-02	**Fig. 2**	
243-644-03	**Fig. 3**	
243-644-04	**Fig. 4**	

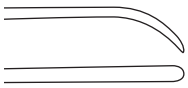
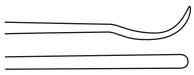
	YASARGIL	**18,5 cm; 7 2/8"**



243-660-01	**1,0 mm**		**243-660-03**	**Ø 4,0 mm**	
243-660-02	**2,5 mm**		**243-660-04**	**Ø 2,5 mm**	
			243-660-05	**Ø 3,0 mm**	

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	YASARGIL	**18,5 cm; 7 2/8"**	



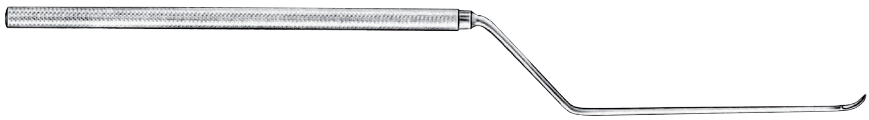
243-661-01		**243-661-03**	
243-661-02			

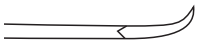
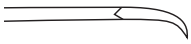
243-663-19	**YASARGIL**	**18,5 cm; 7 2/8"**	





	KOOS	**18,5 cm; 7 2/8"**	



243-665-01		**243-665-02**	
243-667-01		**243-667-02**	
243-669-01		**243-669-02**	

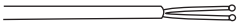
	YASARGIL	**18,5 cm; 7 2/8"**	



243-673-01		**243-673-02**	

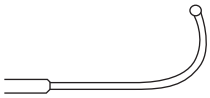
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	JACOBSON	**18,5 cm; 7 2/8"**	



243-676-19		**243-677-02**	
243-677-01		**243-679-18**	

YASARGIL	**Fadenführer; geknöpft** **Ligature guide and carrier; pointed** Guía-ligadura; abotonada Guide conducteur; boutonnée Guida per legatura; bottonuta	**18,5 cm; 7 2/8"**



243-685-01	**Fig. 1**		**243-685-03**	**Fig. 3**	
243-685-02	**Fig. 2**		**243-685-04**	**Fig. 4**	

243-687-19	**Gewebekralle** **Tissue claw** Garra para el tejido Griffe pour tissu Graffa per tessuto	**18,5 cm; 7 2/8"**



Ø 1,5 mm

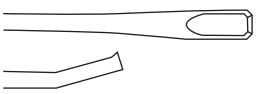
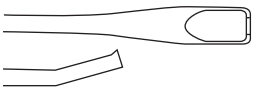
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
243-730-22	**YASARGIL**	18,0 cm; 7 1/8"	



Ø 2,2 mm

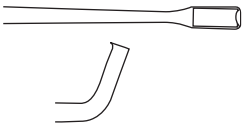
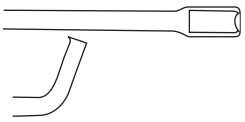
CASPAR — 25,0 cm; 9 7/8"



243-800-04		4,0 mm	243-800-05		5,0 mm

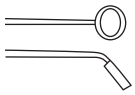
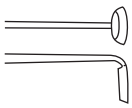
CASPAR



243-801-03		3,0 mm	243-801-04		4,0 mm

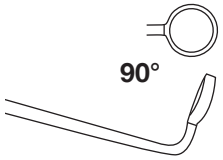
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	RAY	**18,5cm; 7 2/8"**	



243-810-04		**Ø 4,0 mm; 45°**	**243-812-04**		**Ø 4,0 mm; 90°**
243-813-04		**Ø 4,0 mm; 45°**			

	HARDY	**18,5 cm; 7 2/8"**





243-818-04	**Ø 4,0 mm**
243-818-06	**Ø 6,0 mm**

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
		24,5 cm; 9 5/8"	



HARDY

243-830-01	**stumpf | blunt** | romo | mousse | smusso	
243-830-02	**stumpf | blunt** | romo | mousse | smusso	
243-832-01	**scharf | sharp** | agudo | pointu | acuto	
243-832-02	**scharf | sharp** | agudo | pointu | acuto	

HARDY-FAHLBUSCH



243-840-01	**scharf | sharp** | agudo | pointu | acuto
243-840-02	**scharf | sharp** | agudo | pointu | acuto



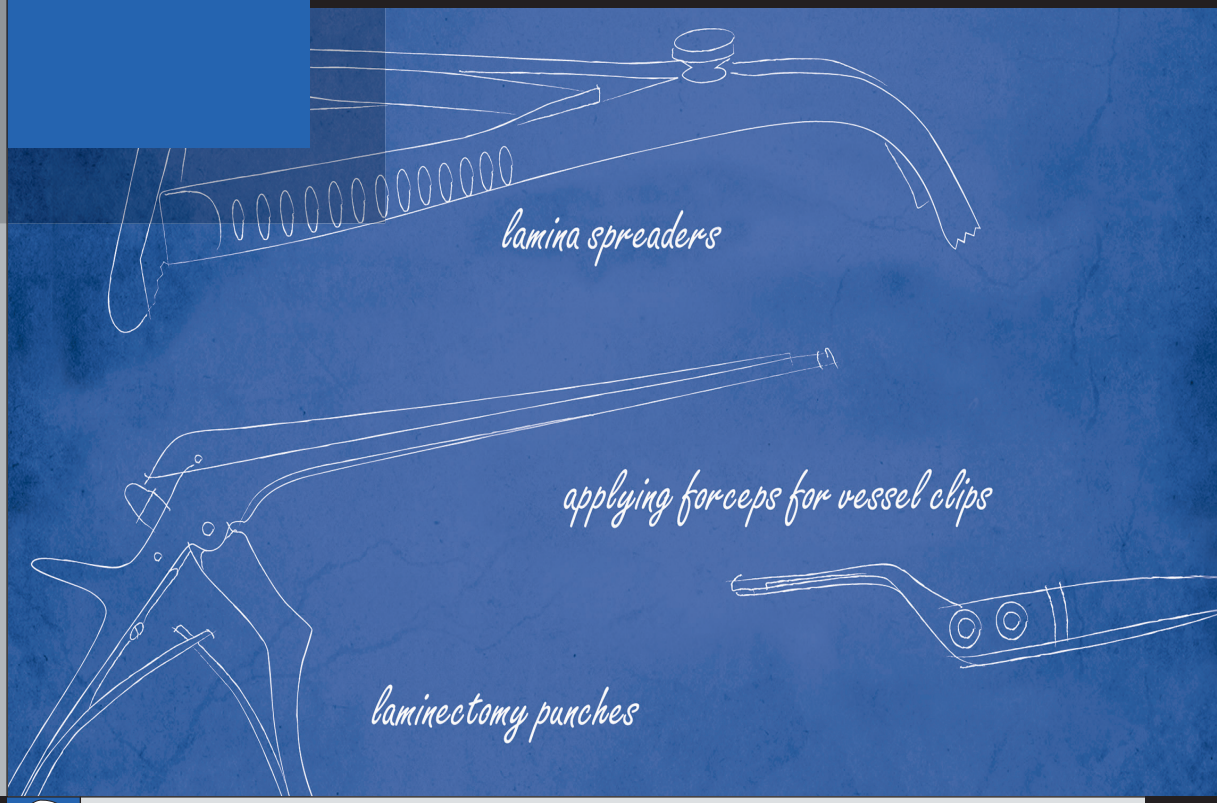
243-836-24	**HARDY**





TONTARRA

OPEN SURGERY



Laminektomiestanzen

Laminectomy Punches

Pinzas cortantes para laminectomía

Pinces emporte-pièces à laminectomie

Pinze taglienti per laminectomia

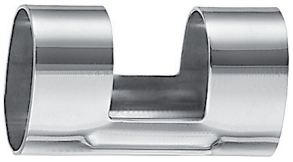
244

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	MC KENZIE		
			
244-161-15	**15,0 cm; 5 7/8"**		
			
244-166-14	**OLIVECRONA-TOENNIS**	**14,0 cm; 5 4/8"**	
			

Art.Nr.	Beschreibung | *Description*		*Size*	*Spez.*
244-180-16	**RANEY**	**Anlege- und Abnehmzange** **Applying/removal forceps** Pinza para aplicar y quitar agrafes Pince pour appliquer et enlever les clips hémostatiques du cuir Pinza per applicare e togliere le agrafe emostatiche al cuoio capelluto	**15,5 cm; 6"**	



244-181-00	**RANEY**	**Hautklammern Packung á 12 Stück** **Clip in packages of 12 pieces** Grapa para cuero cabelludo en paquetes de 12 piezas Agrafes pour cuir chevelu paquet á 12 pièces Pinze perilcuoio capelluto in confezioni da 12 pezzi		



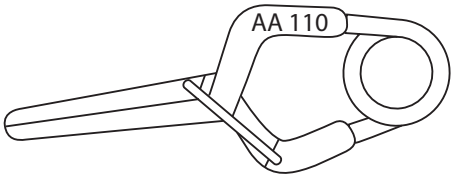
YASARGIL



244-185-31	**7,0 mm**	**30,0 cm; 11 6/8"**	
244-185-41	**9,0 mm**	**41,0 cm; 16 1/8"**	

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

Material
Material



Implantatstahl / Implant Steel:
1.4441 / DIN ISO 17443

Titan / Titanium:
Ti 6Al 4V / DIN ISO 5832-3

Für beide Materialien treffen folgende Eigenschaften zu:
· Hohe Festigkeit
· Sehr gute Gewebeverträglichkeit
· Sicherer Verschluß der Gefäße
· Antimagnetisch
· Bestens geeignet als Implantatwerkstoff
· Sicherheit gegen Überbeanspruchung

For both materials, the following qualities apply:
· High mechanical solidity
· Exellent tissue compatibility
· Secure lock of the vessels
· Nonmagnetic
· Suitable perfectly as a implant material
· Safety against overstrain

Beispiel / Example

244-400-07	Implantatstahl / Implant Steel
244-400-07T	Titanium

Verpackung - Etikett
Packing - Label

Tontarra Medizintechnik GmbH ist nicht der Hersteller der Lieferung nachfolgend aufgeführten Yasargil Clips. Sie erhalten das Labeling des Originalherstellers.
Jeder Clip wird einzeln verpackt. Die Verpackung erfolgt in Klarsicht-Boxen aus Hartplastik. Die Klarsicht-Box wird mit einem Etikett (Label) versehen. Dieses Etikett sichert eine schnelle und sichere Identifikation des Clips.

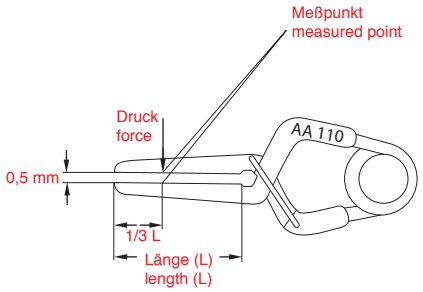
Each Clip is induvidually packaged in a transparent box made of resistant plastic. The transparent box is marked with a label in order to assure a quick and sure identification of the clip. Tontarra Medizintechnik GmbH is not the manufacturer of the following illustrated Yasargil clips. You will receive the product with the labeling of the original manufacturer.

Auf dem Etikett sind folgende Daten aufgedruckt:
· Katalognummer
· Produktbezeichnung
· Illustration
· Schließkraft in Gramm (g)
· Toleranz der Schließkraft
· Maullänge
· Maximale Öffnungsweite
· Maulgeometrie
· Seriennummer (SN)
· Maulprofil
· Materialbeschreibung
· Lot Nummer
· Vermerk “NOT STERILE”
· WARNUNG

On the label you can find the following data:
· Catalogue number
· Product description
· Illustration
· Closing force in gramms (g)
· Tolerance range of closing force
· Blade length
· Maximum opening
· Blade geometry
· Serial number (SN)
· Jaw profile
· Material description
· Lot number
· the note “NOT STERILE”
· WARNING

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

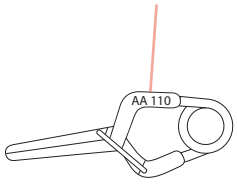
Schließkraft
Closing Force



- Die Schließkraft wird bei einem Drittel der Maullänge und 0,5 mm Öffnung gemessen.
- Die Endkontrolle der Clips wird mit einer computergesteuerten Meßanlage durchgeführt.
- Die Schließkraft wird exakt innerhalb einer bestimmten Toleranz angegeben.
- Ein Computerprogramm stellt sicher, daß nur Clips mit einer zuvor fixierten Schließkraft zur Auslieferung kommen. Eine Manipulation ist ausgeschlossen.
- Während des Kontrollvorgangs werden alle relevanten technischen Daten gespeichert und auf dem Etikett ausgedruckt.

- The closing force is measured at one third of the jaw length and an opening of 0,5 mm.
- The final quality control of the clip is effected by a microprocessor-controlled measuring equipment.
- The closing force is indicated exactly within a certain tolerance.
- With the help of a special software program we assure that before the clip passes the final quality control, its closure force is fixed. As a consequently we exclude any kind of manipulation.
- All relevant tecnical data are stored during the control procedure and printed on the label.

Seriennummer
Serial Number

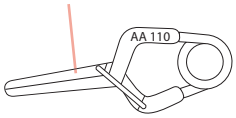


Jeder Clip erhält eine individuelle Seriennummer, durch Laserbeschriftung, welche eine **Rückverfolgbarkeit des gesamten Herstellungsprozesses, der Schließkraft und der Charge** gewährleistet.

Each Clip is coded with an individual serial number marked by laser technology.
The serial number guarantees a **detailed follow-up of the whole production process, the closure force and from raw material to the final product.**

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

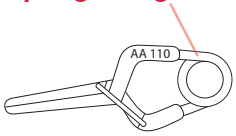
Maulprofil
Jaw Profile



- Die abgerundete, pyramidenähnliche Struktur wird durch einen speziellen Fertigungsschritt in das Maul geprägt und vermeidet scharfe Kanten, die ein Aneurysma perforieren könnten.
- Zusätzliches Abrunden der an der Clip-Außenseite grenzenden Strukturen garantiert ein wirklich atraumatisches Applizieren der Clips.
- Die kreuzähnliche Struktur der Pyramidenfläche verdoppelt die Haltefläche.
- Der konvexe Schluß des Clip stellt einen untraumatischen und sicheren Verschluß des Aneurysmenhalses sicher. Der Anlegedruck wird gleichmäßig über die ganze Maullänge verteilt, ein Verrutschen des Clip wird verhindert.

- The rounded, pyramid-like structure is stamped into the jaws by means of a special production step and prevents sharp edges which could perforate an aneurysm.
- No edges or burrs by additional rounding of structures that border the clip outer side. Because of this real atraumatic application of the clip.
- The cross-like structure of the inner jaws pyramid surface doubles the tissue-holding area.
- The convex closure of the clip assures an atraumatic and secure closure of the aneurysm.
- The applied pressure distributes itself evenly over the length of the jaws, sliding of the clip is prevented.

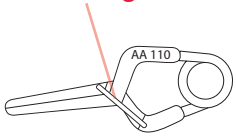
Feder Design
Spring Design



Die Federgröße – unterschiedlich bei STANDARD und MINI Clips sind innerhalb der Clips eines Types identisch. Damit wird in Bezug auf die Clipanlegezangen (Clip/Zangenmaul) ein Höchstmaß an Passgenauigkeit sichergestellt.

The spring size, which is different in the STANDARD and MINI clips, is the same within the same type of clip. Thus, it is ensured that the Clip Applying forceps fits to the clip at the highest degree.

Bügel Design
Link Design

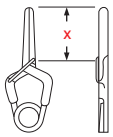


Die lasergeschweißten Bügel sichern die präzise Führung der Branchen und ein weiches Öffnen der Clips während des gesamten Spreizvorganges. Die Kontaktflächen der Branchen werden über die gesamte Länge der Branchen exakt symmetrisch geführt, was die zusätzliche Stabilität der Clips sichert.
Die Überbeanspruchung des Materials ist ausgeschlossen, da das Bügeldesign die maximale Öffnungsweite begrenzt.

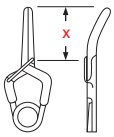
The laser welded links ensure the precise guidance of the jaws and a “soft” opening of the clips during the whole spreading process. In an exact way he contact surfaces of the jaws are guided symmetrically over the whole length. This fact guarantees additional stability of the clip.
Over-stress of the material is excluded, because the design of the link limits the maximum spread.

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

für permanenten Verschluß | for permanent closure
para permanente cierre | pour occlusion permanente | per chiusura permanente



	244-400-07	244-400-09	244-400-11	244-400-15	244-400-17	244-400-20	244-400-25
Ti	244-400-07T	244-400-09T	244-400-11T	244-400-15T	244-400-17T	244-400-20T	244-400-25T
O	6,2 mm	7,0 mm	7,8 mm	9,2 mm	10,6 mm	10,6 mm	11,4 mm
S	150 gms	180 gms	180 gms	200 gms	200 gms	200 gms	200 gms
x =	7 mm	9 mm	11 mm	15 mm	17 mm	20 mm	25 mm



	244-401-07	244-401-09	244-401-11	244-401-15	244-401-20
Ti	244-401-07T	244-401-09T	244-401-11T	244-401-15T	244-401-20T
O	6,0 mm	6,8 mm	7,5 mm	8,7 mm	11,0 mm
S	150 gms	180 gms	180 gms	200 gms	200 gms
x =	7 mm	9 mm	11 mm	15 mm	20 mm

Ti

Titan
Titanium
Titanio
Titane
Titanio

O

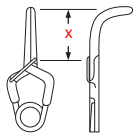
Maulöffnung
Opening of jaws
Apertura de boca
Ouverture de mors
Apertura di morso

S

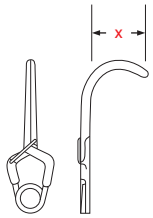
Schließkraft
Closing force
Pressión de oclusión
Pression d'occlusion
Pressione occlusiva

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

für permanenten Verschluß | for permanent closure
para permanente cierre | pour occlusion permanente | per chiusura permanente



	244-403-07	244-403-09	244-403-11	244-403-15	244-403-17
Ti	244-403-07T	244-403-09T	244-403-11T	244-403-15T	244-403-17T
O	5,5 mm	6,1 mm	6,5 mm	7,4 mm	9,9 mm
S	150 gms	180 gms	180 gms	200 gms	200 gms
x =	7 mm	9 mm	11 mm	15 mm	17 mm



	244-405-07	244-405-09	244-405-11
Ti	244-405-07T	244-405-09T	244-405-11T
O	5,4 mm	5,8 mm	6,2 mm
S	180 gms	180 gms	180 gms
x =	7 mm	9 mm	11 mm

Ti

Titan
Titanium
Titanio
Titane
Titanio

O

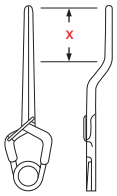
Maulöffnung
Opening of jaws
Apertura de boca
Ouverture de mors
Apertura di morso

S

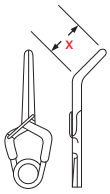
Schließkraft
Closing force
Pressión de oclusión
Pression d'occlusion
Pressione occlusiva

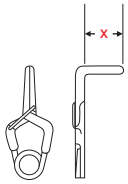
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

für permanenten Verschluß | for permanent closure
para permanente cierre | pour occlusion permanente | per chiusura permanente



	244-410-07	244-410-09	244-410-12	244-410-17	244-410-20
Ti	244-410-07T	244-410-09T	244-410-12T	244-410-17T	244-410-20T
O	7,9 mm	8,7 mm	10,2 mm	11,9 mm	13,0 mm
S	200 gms	200 gms	200 gms	180 gms	180 gms
x =	7 mm	9 mm	12 mm	17 mm	20 mm

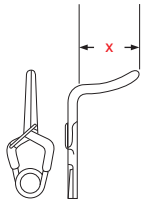


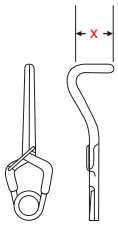


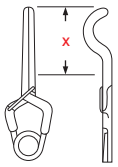
	244-411-05	244-411-07	244-411-09	244-411-11	244-413-05	244-413-07	244-413-10
Ti	244-411-05T	244-411-07T	244-411-09T	244-411-11T	244-413-05T	244-413-07T	244-413-10T
O	6,2 mm	6,5 mm	7,8 mm	8,4 mm	5,6 mm	5,6 mm	5,6 mm
S	200 gms	200 gms	200 gms	200 gms	200 gms	200 gms	200 gms
x =	5 mm	7 mm	9 mm	11 mm	5 mm	7 mm	10 mm

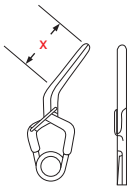
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

für permanenten Verschluß | for permanent closure
para permanente cierre | pour occlusion permanente | per chiusura permanente

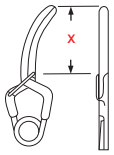


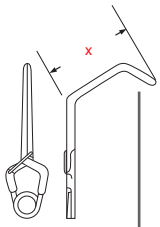






	244-415-08	244-415-10	244-417-05	244-419-09	244-419-11	244-421-07	244-421-11
Ti	244-415-08T	244-415-10T	244-417-05T	244-419-09T	244-419-11T	244-421-07T	244-421-11T
O	5,4 mm	5,6 mm	7,2 mm	7,2 mm	8,2 mm	5,7 mm	8,0 mm
S	200 gms	200 gms	200 gms	200 gms	200 gms	200 gms	200 gms
x =	8 mm	10 mm	5 mm	9 mm	11 mm	7 mm	11 mm





	244-423-09	244-425-13
Ti	244-423-09T	244-425-13T
O	6,2 mm	7,5 mm
S	200 gms	200 gms
x =	9 mm	13 mm

Ti

Titan
Titanium
Titanio
Titane
Titanio

O

Maulöffnung
Opening of jaws
Apertura de boca
Ouverture de mors
Apertura di morso

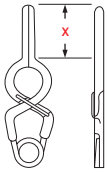
S

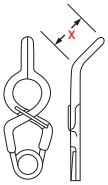
Schließkraft
Closing force
Presión de oclusión
Pression d'occlusion
Pressione occlusiva

YASARGIL Gefäßclips Standard; gefenstert 3,5 mm
YASARGIL Vessel Clips Standard; fenestrated 3,5 mm
YASARGIL Clips Vasculares Standard; fenestrada 3,5 mm
YASARGIL Clips Vasculaires Standard; fenêtrée 3,5 mm
YASARGIL Clips Vascolari Standard; fenestrato 3,5 mm

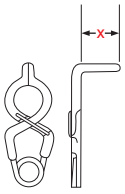
Art.Nr. **Beschreibung** | ***Description*** ***Size*** ***Spez.***

für permanenten Verschluß | for permanent closure
para permanente cierre | pour occlusion permanente | per chiusura permanente





	244-430-07	244-430-09	244-430-12	244-431-05	244-431-07	244-431-11
Ti	244-430-07T	244-430-09T	244-430-12T	244-431-05T	244-431-07T	244-431-11T
O	7,4 mm	8,4 mm	9,6 mm	5,8 mm	6,5 mm	7,2 mm
S	150 gms	150 gms	180 gms	150 gms	150 gms	180 gms
x =	7 mm	9 mm	12 mm	5 mm	7 mm	11 mm

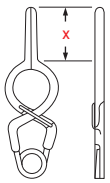


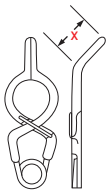
	244-433-05	244-433-07	244-433-11
Ti	244-433-05T	244-433-07T	244-433-11T
O	4,9 mm	4,9 mm	4,9 mm
S	150 gms	150 gms	180 gms
x =	5 mm	7 mm	11 mm

YASARGIL Gefäßclips Standard; gefenstert 5,0 mm
YASARGIL Vessel Clips Standard; fenestrated 5,0 mm
YASARGIL Clips Vasculares Standard; fenestrada 5,0 mm
YASARGIL Clips Vasculaires Standard; fenêtrée 5,0 mm
YASARGIL Clips Vascolari Standard; fenestrato 5,0 mm

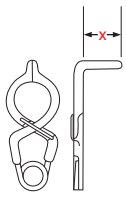
Art.Nr. | **Beschreibung** | ***Description*** | ***Size*** | ***Spez.***

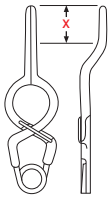
für permanenten Verschluß | for permanent closure
para permanente cierre | pour occlusion permanente | per chiusura permanente





	244-436-07	244-436-09	244-436-12	244-437-05	244-437-07	244-437-11
Ti	244-436-07T	244-436-09T	244-436-12T	244-437-05T	244-437-07T	244-437-11T
O	7,9 mm	9,1 mm	10,3 mm	6,5 mm	7,2 mm	7,8 mm
S	150 gms	150 gms	180 gms	150 gms	150 gms	180 gms
x =	7 mm	9 mm	12 mm	5 mm	7 mm	11 mm





	244-439-05	244-439-07	244-439-11	244-440-05	244-440-07	244-440-11
Ti	244-439-05T	244-439-07T	244-439-11T	244-440-05T	244-440-07T	244-440-11T
O	5,5 mm	5,5 mm	5,5 mm	7,9 mm	8,8 mm	10,0 mm
S	150 gms	150 gms	180 gms	150 gms	150 gms	180 gms
x =	5 mm	7 mm	11 mm	5 mm	7 mm	11 mm

Ti
Titan
Titanium
Titanio
Titane
Titanio

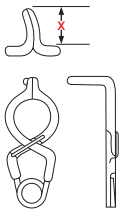
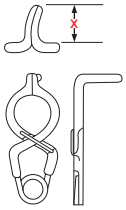
O
Maulöffnung
Opening of jaws
Apertura de boca
Ouverture de mors
Apertura di morso

S
Schließkraft
Closing force
Presión de oclusión
Pression d'occlusion
Pressione occlusiva

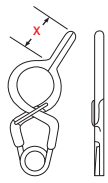
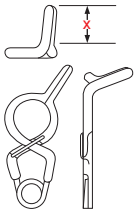
YASARGIL Gefäßclips Standard; gefenstert 5,0 mm
YASARGIL Vessel Clips Standard; fenestrated 5,0 mm
YASARGIL Clips Vasculares Standard; fenestrada 5,0 mm
YASARGIL Clips Vasculaires Standard; fenêtrée 5,0 mm
YASARGIL Clips Vascolari Standard; fenestrato 5,0 mm

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

für permanenten Verschluß | for permanent closure
para permanente cierre | pour occlusion permanente | per chiusura permanente

	244-441-05	244-441-07	244-441-10	244-443-05	244-443-07	244-443-10
Ti	244-441-05T	244-441-07T	244-441-10T	244-443-05T	244-443-07T	244-443-10T
O	5,8 mm	5,8 mm	5,8 mm	5,8 mm	5,8 mm	5,8 mm
S	150 gms	150 gms	150 gms	150 gms	150 gms	150 gms
x =	5 mm	7 mm	10 mm	5 mm	7 mm	10 mm

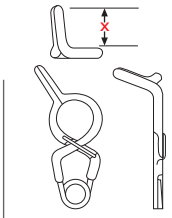



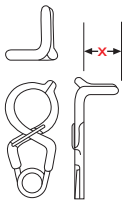
	244-445-05	244-445-07	244-445-10	244-447-05	244-447-07
Ti	244-445-05T	244-445-07T	244-445-10T	244-447-05T	244-447-07T
O	7,0 mm	7,8 mm	8,8 mm	5,8 mm	6,2 mm
S	150 gms	150 gms	150 gms	150 gms	150 gms
x =	5 mm	7 mm	10 mm	5 mm	7 mm

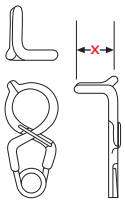
YASARGIL Gefäßclips Standard; gefenstert 5,0 mm
YASARGIL Vessel Clips Standard; fenestrated 5,0 mm
YASARGIL Clips Vasculares Standard; fenestrada 5,0 mm
YASARGIL Clips Vasculaires Standard; fenêtrée 5,0 mm
YASARGIL Clips Vascolari Standard; fenestrato 5,0 mm

Art.Nr. **Beschreibung** | ***Description*** ***Size*** ***Spez.***

für permanenten Verschluß | for permanent closure
para permanente cierre | pour occlusion permanente | per chiusura permanente







	244-449-05	244-449-07	244-451-05	244-451-07	244-453-05	244-453-07
Ti	244-449-05T	244-449-07T	244-451-05T	244-451-07T	244-453-05T	244-453-07T
O	5,8 mm	6,2 mm	5,6 mm	5,6 mm	5,6 mm	5,6 mm
S	150 gms	150 gms	150 gms	150 gms	150 gms	150 gms
x =	5 mm	7 mm	5 mm	7 mm	5 mm	7 mm

Ti
Titan
Titanium
Titanio
Titane
Titanio

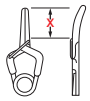
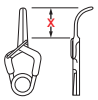
O
Maulöffnung
Opening of jaws
Apertura de boca
Ouverture de mors
Apertura di morso

S
Schließkraft
Closing force
Pressión de oclusión
Pression d'occlusion
Pressione occlusiva

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

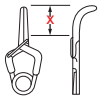
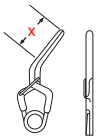
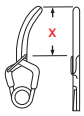
für permanenten Verschluß | for permanent closure
para permanente cierre | pour occlusion permanente | per chiusura permanente

							
	244-460-03	244-460-05	244-462-03	244-462-05	244-462-07	244-463-03	244-463-04
Ti	244-460-03T	244-460-05T	244-462-03T	244-462-05T	244-462-07T	244-463-03T	244-463-04T
O	3,3 mm	4,0 mm	3,3 mm	4,0 mm	4,6 mm	3,2 mm	3,8 mm
S	110 gms	110 gms	110 gms	110 gms	110 gms	110 gms	110 gms
x =	3 mm	5 mm	3 mm	5 mm	7 mm	3 mm	4 mm

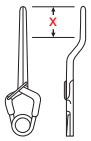
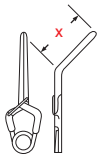
						
	244-465-04	244-465-05	244-467-04	244-467-05	244-467-07	244-469-04
Ti	244-465-04T	244-465-05T	244-467-04T	244-467-05T	244-467-07T	244-469-04T
O	3,6 mm	3,8 mm	3,6 mm	4,0 mm	4,4 mm	3,6 mm
S	110 gms	110 gms	110 gms	110 gms	110 gms	110 gms
x =	4 mm	5 mm	4 mm	5 mm	7 mm	4 mm

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

für permanenten Verschluß | for permanent closure
para permanente cierre | pour occlusion permanente | per chiusura permanente

	244-471-04	244-471-05	244-473-05	244-475-06
Ti	244-471-04T	244-471-05T	244-473-05T	244-475-06T
O	3,5 mm	4,0 mm	3,5 mm	6,0 mm
S	110 gms	110 gms	130 gms	130 gms
x =	4 mm	5 mm	5 mm	6 mm

	244-476-04	244-476-07	244-477-07
Ti	244-476-04T	244-476-07T	244-477-07T
O	7,0 mm	5,7 mm	4,5 mm
S	130 gms	130 gms	130 gms
x =	4 mm	7 mm	7 mm

Ti

Titan
Titanium
Titanio
Titane
Titanio

O

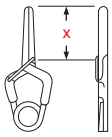
Maulöffnung
Opening of jaws
Apertura de boca
Ouverture de mors
Apertura di morso

S

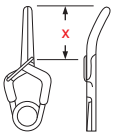
Schließkraft
Closing force
Presión de oclusión
Pression d'occlusion
Pressione occlusiva

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

für temporären Verschluß | for temporary closure
para temporal cierre | pour occlusion temporaire | per chiusura temporaneo



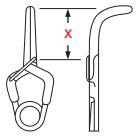
	244-500-07	244-500-09	244-500-11	244-500-15	244-500-17	244-500-20	244-500-25
Ti	244-500-07T	244-500-09T	244-500-11T	244-500-15T	244-500-17T	244-500-20T	244-500-25T
O	6,2 mm	7,0 mm	7,8 mm	9,2 mm	10,6 mm	10,6 mm	11,4 mm
S	110 gms	90 gms	90 gms	90 gms	90 gms	110 gms	110 gms
x =	7 mm	9 mm	11 mm	15 mm	17 mm	20 mm	25 mm



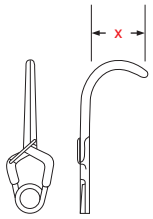
	244-501-07	244-501-09	244-501-11	244-501-15	244-501-20
Ti	244-501-07T	244-501-09T	244-501-11T	244-501-15T	244-501-20T
O	6,0 mm	6,8 mm	7,5 mm	8,7 mm	11,0 mm
S	110 gms	90 gms	90 gms	110 gms	90 gms
x =	7 mm	9 mm	11 mm	15 mm	20 mm

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

für temporären Verschluß | for temporary closure
para temporal cierre | pour occlusion temporaire | per chiusura temporaneo



	244-503-07	244-503-09	244-503-11	244-503-15	244-503-17
Ti	244-503-07T	244-503-09T	244-503-11T	244-503-15T	244-503-17T
O	5,5 mm	6,1 mm	6,5 mm	7,4 mm	9,9 mm
S	110 gms	110 gms	110 gms	110 gms	90 gms
x =	7 mm	9 mm	11 mm	15 mm	17 mm



	244-505-07	244-505-09	244-505-11
Ti	244-505-07T	244-505-09T	244-505-11T
O	5,4 mm	5,8 mm	6,2 mm
S	110 gms	110 gms	110 gms
x =	7 mm	9 mm	11 mm

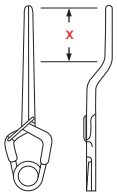
Ti
Titan
Titanium
Titanio
Titane
Titanio

O
Maulöffnung
Opening of jaws
Apertura de boca
Ouverture de mors
Apertura di morso

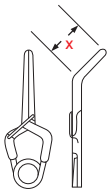
S
Schließkraft
Closing force
Presión de oclusión
Pression d'occlusion
Pressione occlusiva

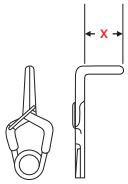
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

für temporären Verschluß | for temporary closure
para temporal cierre | pour occlusion temporaire | per chiusura temporaneo



	244-510-05	244-510-07	244-510-09	244-510-12	244-510-17	244-510-20
Ti	244-510-05T	244-510-07T	244-510-09T	244-510-12T	244-510-17T	244-510-20T
O	8,0 mm	7,9 mm	8,7 mm	10,2 mm	11,9 mm	13,0 mm
S	110 gms	90 gms	90 gms	90 gms	90 gms	90 gms
x =	5 mm	7 mm	9 mm	12 mm	17 mm	20 mm

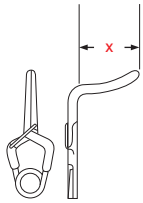


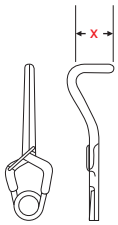


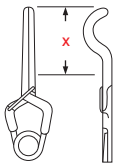
	244-511-05	244-511-07	244-511-09	244-511-11	244-513-05	244-513-07	244-513-10
Ti	244-511-05T	244-511-07T	244-511-09T	244-511-11T	244-513-05T	244-513-07T	244-513-10T
O	6,2 mm	6,5 mm	7,8 mm	8,4 mm	5,6 mm	5,6 mm	5,6 mm
S	110 gms	110 gms	110 gms	110 gms	130 gms	130 gms	130 gms
x =	5 mm	7 mm	9 mm	11 mm	5 mm	7 mm	10 mm

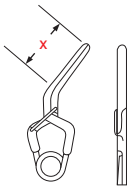
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

für temporären Verschluß | for temporary closure
para temporal cierre | pour occlusion temporaire | per chiusura temporaneo

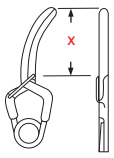








	244-515-08	244-515-10	244-517-05	244-519-09	244-519-11	244-521-07	244-521-11
Ti	244-515-08T	244-515-10T	244-517-05T	244-519-09T	244-519-11T	244-521-07T	244-521-11T
O	5,4 mm	5,6 mm	7,2 mm	7,2 mm	8,2 mm	5,7 mm	8,0 mm
S	130 gms	130 gms	90 gms	90 gms	90 gms	90 gms	90 gms
x =	8 mm	10 mm	5 mm	9 mm	11 mm	7 mm	11 mm



	244-523-09	244-525-13
Ti	244-523-09T	244-525-13T
O	6,2 mm	7,5 mm
S	90 gms	90 gms
x =	9 mm	13 mm

Ti

Titan
Titanium
Titanio
Titane
Titanio

O

Maulöffnung
Opening of jaws
Apertura de boca
Ouverture de mors
Apertura di morso

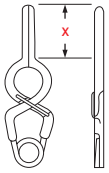
S

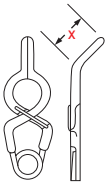
Schließkraft
Closing force
Presión de oclusión
Pression d'occlusion
Pressione occlusiva

YASARGIL Gefäßclips Standard; gefenstert 3,5 mm
YASARGIL Vessel Clips Standard; fenestrated 3,5 mm
YASARGIL Clips Vasculares Standard; fenestrada 3,5 mm
YASARGIL Clips Vasculaires Standard; fenêtrée 3,5 mm
YASARGIL Clips Vascolari Standard; fenestrato 3,5 mm

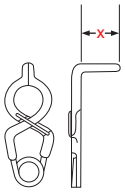
Art.Nr. | **Beschreibung** | ***Description*** | ***Size*** | ***Spez.***

für temporären Verschluß | for temporary closure
para temporal cierre | pour occlusion temporaire | per chiusura temporaneo





	244-530-07	244-530-09	244-530-12	244-531-05	244-531-07	244-531-11
Ti	244-530-07T	244-530-09T	244-530-12T	244-531-05T	244-531-07T	244-531-11T
O	7,4 mm	8,4 mm	9,6 mm	5,8 mm	6,5 mm	7,2 mm
S	110 gms	110 gms	90 gms	110 gms	110 gms	110 gms
x =	7 mm	9 mm	12 mm	5 mm	7 mm	11 mm

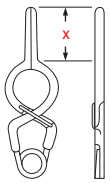


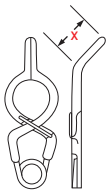
	244-533-05	244-533-07	244-533-11
Ti	244-533-05T	244-533-07T	244-533-11T
O	4,9 mm	4,9 mm	4,9 mm
S	110 gms	110 gms	110 gms
x =	5 mm	7 mm	11 mm

YASARGIL Gefäßclips Standard; gefenstert 5,0 mm
YASARGIL Vessel Clips Standard; fenestrated 5,0 mm
YASARGIL Clips Vasculares Standard; fenestrada 5,0 mm
YASARGIL Clips Vasculaires Standard; fenêtrée 5,0 mm
YASARGIL Clips Vascolari Standard; fenestrato 5,0 mm

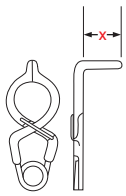
Art.Nr. | **Beschreibung** | ***Description*** | ***Size*** | ***Spez.***

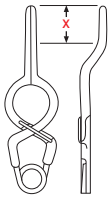
für temporären Verschluß | for temporary closure
para temporal cierre | pour occlusion temporaire | per chiusura temporaneo





	244-536-07	244-536-09	244-536-12	244-537-05	244-537-07	244-537-11
Ti	244-536-07T	244-536-09T	244-536-12T	244-537-05T	244-537-07T	244-537-11T
O	7,9 mm	9,1 mm	10,3 mm	6,5 mm	7,2 mm	7,8 mm
S	110 gms	100 gms	90 gms	110 gms	110 gms	110 gms
x =	7 mm	9 mm	12 mm	5 mm	7 mm	11 mm





	244-539-05	244-539-07	244-539-11	244-540-05	244-540-07	244-540-11
Ti	244-539-05T	244-539-07T	244-539-11T	244-540-05T	244-540-07T	244-540-11T
O	5,5 mm	5,5 mm	5,5 mm	7,9 mm	8,8 mm	10,0 mm
S	110 gms	110 gms	90 gms	90 gms	90 gms	90 gms
x =	5 mm	7 mm	11 mm	5 mm	7 mm	11 mm

Ti
Titan
Titanium
Titanio
Titane
Titanio

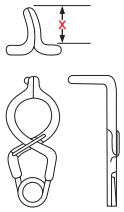
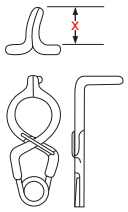
O
Maulöffnung
Opening of jaws
Apertura de boca
Ouverture de mors
Apertura di morso

S
Schließkraft
Closing force
Presión de oclusión
Pression d'occlusion
Pressione occlusiva

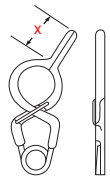
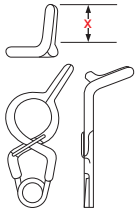
YASARGIL Gefäßclips Standard; gefenstert 5,0 mm
YASARGIL Vessel Clips Standard; fenestrated 5,0 mm
YASARGIL Clips Vasculares Standard; fenestrada 5,0 mm
YASARGIL Clips Vasculaires Standard; fenêtrée 5,0 mm
YASARGIL Clips Vascolari Standard; fenestrato 5,0 mm

Art.Nr. **Beschreibung** | ***Description*** ***Size*** ***Spez.***

für temporären Verschluß | for temporary closure
para temporal cierre | pour occlusion temporaire | per chiusura temporaneo

	244-541-05	244-541-07	244-541-10	244-543-05	244-543-07	244-543-10
Ti	244-541-05T	244-541-07T	244-541-10T	244-543-05T	244-543-07T	244-543-10T
O	5,8 mm	5,8 mm	5,8 mm	5,8 mm	5,8 mm	5,8 mm
S	110 gms	110 gms	110 gms	110 gms	110 gms	110 gms
x =	5 mm	7 mm	10 mm	5 mm	7 mm	10 mm

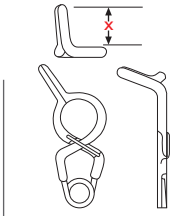



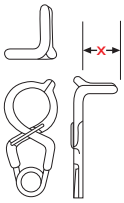
	244-545-05	244-545-07	244-545-10	244-547-05	244-547-07
Ti	244-545-05T	244-545-07T	244-545-10T	244-547-05T	244-547-07T
O	7,0 mm	7,8 mm	8,8 mm	5,8 mm	6,2 mm
S	110 gms	110 gms	110 gms	110 gms	110 gms
x =	5 mm	7 mm	10 mm	5 mm	7 mm

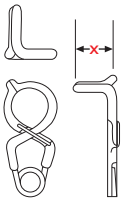
YASARGIL Gefäßclips Standard; gefenstert 5,0 mm
YASARGIL Vessel Clips Standard; fenestrated 5,0 mm
YASARGIL Clips Vasculares Standard; fenestrada 5,0 mm
YASARGIL Clips Vasculaires Standard; fenêtrée 5,0 mm
YASARGIL Clips Vascolari Standard; fenestrato 5,0 mm

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

für temporären Verschluß | for temporary closure
para temporal cierre | pour occlusion temporaire | per chiusura temporaneo







	244-549-05	244-549-07	244-551-05	244-551-07	244-553-05	244-553-07
Ti	244-549-05T	244-549-07T	244-551-05T	244-551-07T	244-553-05T	244-553-07T
O	5,8 mm	6,2 mm	5,6 mm	5,6 mm	5,6 mm	5,6 mm
S	110 gms	110 gms	110 gms	110 gms	110 gms	110 gms
x =	5 mm	7 mm	5 mm	7 mm	5 mm	7 mm

Ti
Titan
Titanium
Titanio
Titane
Titanio

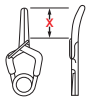
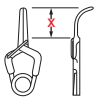
O
Maulöffnung
Opening of jaws
Apertura de boca
Ouverture de mors
Apertura di morso

S
Schließkraft
Closing force
Pressión de oclusión
Pression d'occlusion
Pressione occlusiva

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

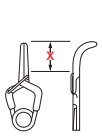
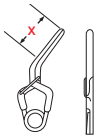
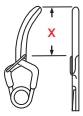
für temporären Verschluß | for temporary closure
para temporal cierre | pour occlusion temporaire | per chiusura temporaneo

							
	244-560-03	244-560-05	244-562-03	244-562-05	244-562-07	244-563-03	244-563-04
Ti	244-560-03T	244-560-05T	244-562-03T	244-562-05T	244-562-07T	244-563-03T	244-563-04T
O	3,3 mm	4,0 mm	3,3 mm	4,0 mm	4,6 mm	3,2 mm	3,8 mm
S	90 gms	70 gms	90 gms	70 gms	70 gms	90 gms	70 gms
x =	3 mm	5 mm	3 mm	5 mm	7 mm	3 mm	4 mm

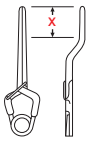
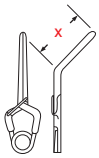
						
	244-565-04	244-565-05	244-567-04	244-567-05	244-567-07	244-569-04
Ti	244-565-04T	244-565-05T	244-567-04T	244-567-05T	244-567-07T	244-569-04T
O	3,6 mm	3,8 mm	3,6 mm	4,0 mm	4,4 mm	3,6 mm
S	80 gms	70 gms	80 gms	70 gms	70 gms	80 gms
x =	4 mm	5 mm	4 mm	5 mm	7 mm	4 mm

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

für temporären Verschluß | for temporary closure
para temporal cierre | pour occlusion temporaire | per chiusura temporaneo

	244-571-04	244-571-05	244-573-05	244-575-06
Ti	244-571-04T	244-571-05T	244-573-05T	244-575-06T
O	3,5 mm	4,0 mm	3,5 mm	6,0 mm
S	80 gms	70 gms	70 gms	70 gms
x =	4 mm	5 mm	5 mm	6 mm

	244-576-04	244-576-07	244-577-07
Ti	244-576-04T	244-576-07T	244-577-07T
O	7,0 mm	5,7 mm	4,5 mm
S	70 gms	70 gms	70 gms
x =	4 mm	7 mm	7 mm

Ti

Titan
Titanium
Titanio
Titane
Titanio

O

Maulöffnung
Opening of jaws
Apertura de boca
Ouverture de mors
Apertura di morso

S

Schließkraft
Closing force
Presión de oclusión
Pression d'occlusion
Pressione occlusiva

Anlegezangen für Gefäßclips
Applying forceps for Vessel Clips
Pinzas para aplicar clips vasculares
Pinces pour appliquer les agrafes vasculaires
Pinza per applicare clips vascolari

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

YASARGIL



	Maul starr Rigid jaw Boca rigida Mors rigide Morso fisso
	18,0 cm; 7"
MINI	244-610-18
STANDARD	244-600-18

YASARGIL

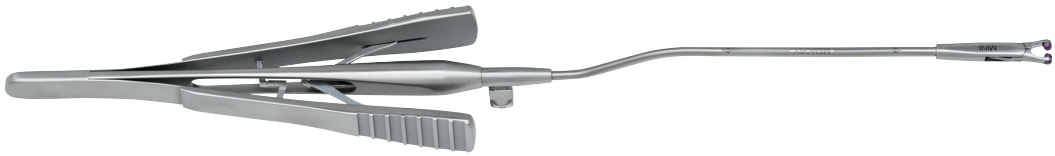


	Maul starr | Rigid jaw Boca rigida | Mors rigide | Morso fisso		
	17,0 cm; 6 3/4"	21,0 cm; 8 1/4"	23,0 cm; 9"
MINI	244-611-17	244-611-21	244-611-23
STANDARD	244-601-17	244-601-21	244-601-23

	Maul drehbar | Rotatable jaw Boca con acogida giratoria | Mors rotatif morso da presa girevole	
	21,0 cm; 8 1/4"	23,0 cm; 9"
MINI	244-613-21	244-613-23
STANDARD	244-603-21	244-603-23

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

YASARGIL



	Maul drehbar | Rotatable jaw Boca con acogida giratoria | Mors rotatif Morso da presa girevole		
	7,0 cm; 2 3/4"	**9,0 cm; 3 1/2"**	**11,0 cm; 4 1/3"**
MINI	**244-677-07**	**244-677-09**	**244-677-11**
	244-677-07T Ti	**244-677-09T** Ti	**244-677-11T** Ti
STANDARD	**244-637-07**	**244-637-09**	**244-637-11**
	244-637-07T Ti	**244-637-09T** Ti	**244-637-11T** Ti

Anlegezangen für Gefäßclips; Schaft drehbar
Applying Forceps for Vessel Clips; Shaft rotatable
Pinzas para aplicar clips vasculares; vástago giratorio
Pinces pour appliquer les agrafes vasculaires; fût rotatif
Pinza per applicare clips vascolari; gambo girevole

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*

YASARGIL



	Maul starr | Rigid jaw Boca rigida | Mors rigide | Morso fisso	
	9,0 cm; 3 1/2"	11,0 cm; 4 1/3"
MINI	244-680-09	244-680-11
	244-680-09T Ti	244-680-11T Ti
STANDARD	244-640-09	244-640-11
	244-640-09T Ti	244-640-11T Ti

	Maul drehbar | Rotatable jaw Moca con acogida giratoria | Mors rotatif | Morso da presa girevole	
	9,0 cm; 3 1/2"	11,0 cm; 4 1/3"
MINI	244-682-09	244-682-11
	244-682-09T Ti	244-682-11T Ti
STANDARD	244-642-09	244-642-11
	244-642-09T Ti	244-642-11T Ti

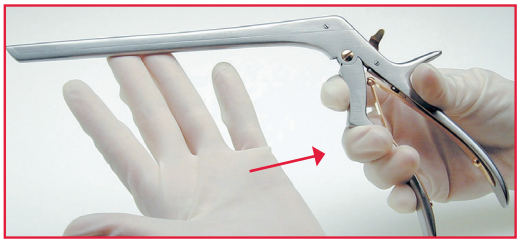


SWING-SYSTEM

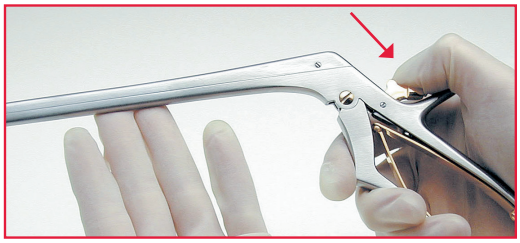
- ein Teil
- einfach zu demontieren
- einfach zu reinigen
- einfach zusammenzufügen

- one piece
- easy to disassemble
- easy to clean
- easy to assemble

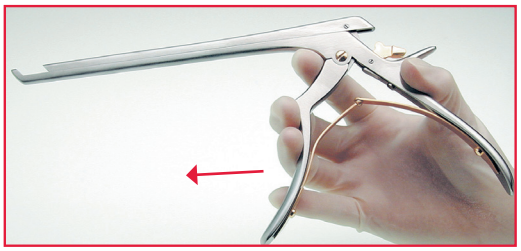
Demontage | *Disassembly*



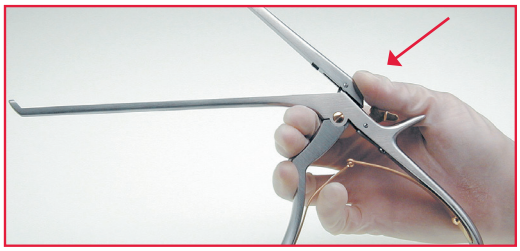
Zuerst den Griff schließen …
First close the handle …



dann den Riegel nach unten drücken …
than push the lever downwards …



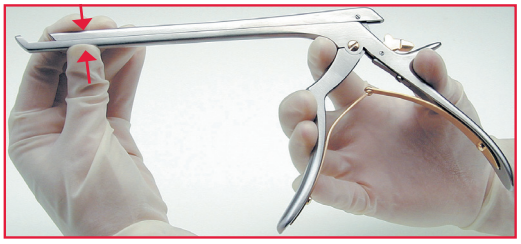
nun den Griff wieder öffnen …
now open the handle …



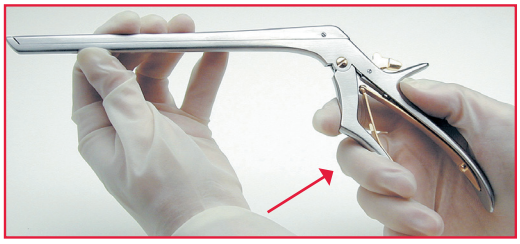
und hinteren auf den Schaft drücken.
and push downwards at the end of shaft.

• • •

Zusammenfügen | *Assembly*



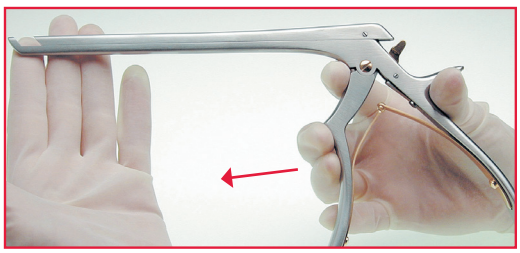
Zuerst Schaftteile ineinandersetzen …
First push shaft parts into one other …



dann den Griff schließen …
than close the handle …



nun den Riegel nach oben drücken …
now push the lever upwards …

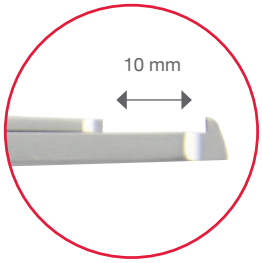


und den Griff wieder öffnen.
and finally open the handle.

Art.Nr. **Beschreibung | *Description***

KERRISON SWING





	Bissbreite Width of bite	Schaftlänge Length of shaft		
		18,0 cm; 7,2"	20,0 cm; 8"	23,0 cm; 9,2"
90°	1 mm	249-051-01 T CC	249-052-01 T CC	249-053-01 T CC

ohne Auswerfer | without ejector | sin expulsor | sans éjecteur | senza espulsore

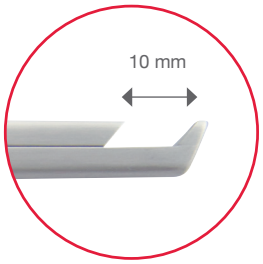
	Bissbreite Width of bite	Schaftlänge Length of shaft		
		18,0 cm; 7,2"	20,0 cm; 8"	23,0 cm; 9,2"
90°	2 mm	249-051-02 T CC	249-052-02 T CC	249-053-02 T CC
90°	3 mm	249-051-03 T CC	249-052-03 T CC	249-053-03 T CC
90°	4 mm	249-051-04 T CC	249-052-04 T CC	249-053-04 T CC
90°	5 mm	249-051-05 T CC	249-052-05 T CC	249-053-05 T CC
90°	6 mm	249-051-06 T CC	249-052-06 T CC	249-053-06 T CC

mit Auswerfer | with ejector | con expulsor | avec éjecteur | con espulsore

Art.Nr. **Beschreibung | *Description***

KERRISON SWING

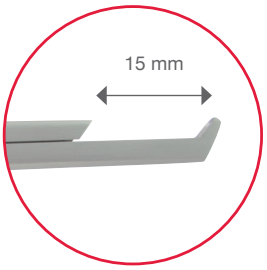




	Bissbreite Width of bite	Schaftlänge Length of shaft		
		18,0 cm; 7,2"	**20,0 cm; 8"**	**23,0 cm; 9,2"**
40°	1 mm	249-071-01 T CC	249-072-01 T CC	249-073-01 T CC
	ohne Auswerfer | without ejector | sin expulsor | sans éjecteur | senza espulsore			
40°	2 mm	249-071-02 A T CC	249-072-02 A T CC	249-073-02 A T CC
40°	3 mm	249-071-03 A T CC	249-072-03 A T CC	249-073-03 A T CC
40°	4 mm	249-071-04 A T CC	249-072-04 A T CC	249-073-04 A T CC
40°	5 mm	249-071-05 A T CC	249-072-05 A T CC	249-073-05 A T CC
40°	6 mm	249-071-06 A T CC	249-072-06 A T CC	249-073-06 A T CC

KERRISON SWING





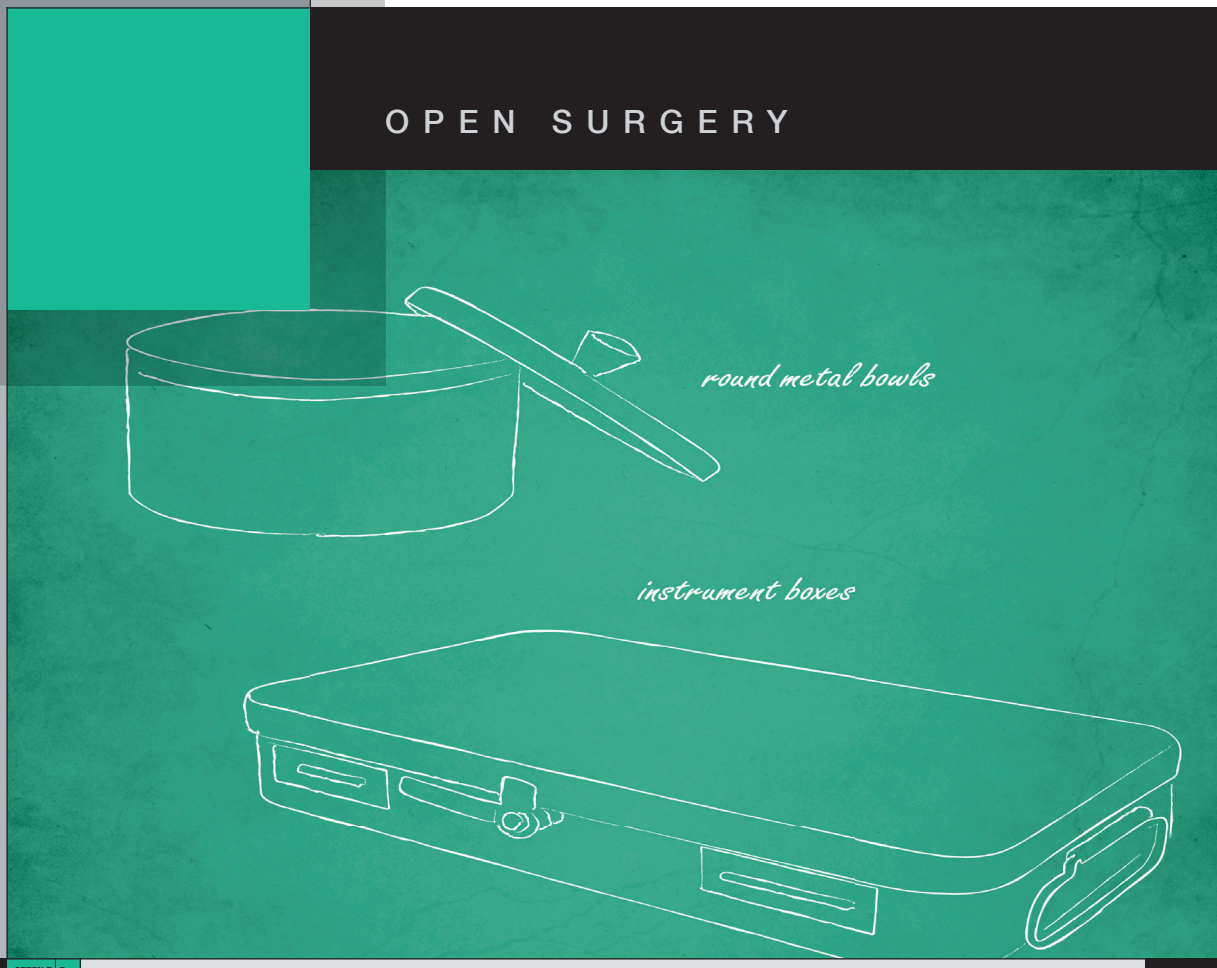
	Bissbreite Width of bite	Schaftlänge Length of shaft
		20,0 cm; 8"
40°	2 mm	249-272-02T CC
40°	3 mm	249-272-03T CC
40°	4 mm	249-272-04T CC
40°	5 mm	249-272-05T CC

ohne Auswerfer | without ejector | sin expulsor | sans éjecteur | senza espulsore



TONTARRA

OPEN SURGERY



STERILE R

Verschiedenes

Miscellaneous

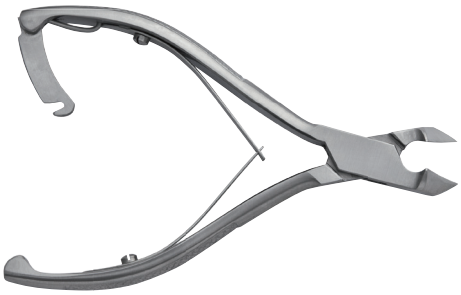
Diversos artículos

Articles divers

Articoli diversi

250

Nagelscheren; Nagelzangen
Nail Scissors; Nail Nippers
Tijeras para uñas; Pinzas para cortar uñas
Ciseaux à ongles; Pinces à ongles
Forbici per unghie; Tronchesine per unghie

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
250-010-10			
250-020-10		10,5 cm; 4 1/8"	
250-030-14		14,0 cm; 5 4/8"	
	TURNBULL		
			
250-034-11	12,0 cm; 4 6/8"		
250-034-13	13,0 cm; 5 1/8"		

Nagelzangen; Hautscheren; Nagelfeilen
Nail Nippers; Cuticle Scissors; Nail Files
Pinzas para cortar uñas; Tjieras cuticulares; Limas para uñas
Pinces pour couper ongles; Ciseaux à envies; Limes à ongles
Tronchesine per unghie; Forbici per pelle; Lime per unghie

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
250-036-13		13,0 cm; 5 1/8"	
250-038-11		10,5 cm; 4 1/8"	
250-040-11		10,5 cm; 4 1/8"	
250-042-10		10,0 cm; 3 7/8"	
250-043-10		10,0 cm; 3 7/8"	
250-050-10		10,0 cm; 3 7/8"	

Art.Nr.	Beschreibung | *Description*		*Size*	*Spez.*
250-130-04	Ø 40 x 25 mm	15 ccm		
250-130-06	Ø 60 x 35 mm	75 ccm		
250-130-08	Ø 80 x 45 mm	225 ccm		
250-130-10	Ø 100 x 55 mm	325 ccm		
250-130-12	Ø 120 x 65 mm	500 ccm		
250-130-15	Ø 150 x 80 mm	900 ccm		



250-133-00	Ø 150 x 75 mm	0,75 l		
250-133-10	Ø 160 x 75 mm	1,00 l		
250-133-20	Ø 220 x 75 mm	2,00 l		
250-133-40	Ø 260 x 120 mm	4,50 l		
250-133-50	Ø 300 x 120 mm	6,00 l		
250-133-70	Ø 320 x 140 mm	8,00 l		
250-133-90	Ø 400 x 150 mm	14,00 l		



Nierenschale
Kidney dishes
Riñoneras
Bassins réniformes
Bacinelle reniformi

250-140-17	170 mm			
250-140-25	250 mm			
250-140-27	275 mm			



Standgefäße; Stechbecken; Sterilisierklammern
Metal Jars; Bed Pans; Safety Pins
Tarros metálicos; Silletas; Imperdibles para instrumentos
Récipients métalliques; Bassins de lit; Pinces de stérilisation
Recipienti metallici; Padelle; Pinze per sterilizzazione

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	Standgefäß **Metal jars** Tarros metálicos Récipients métalliques Recipienti metallici		
250-142-01	**Ø 30 x 90 mm**		
250-142-02	**Ø 50 x 100 mm**		
250-142-03	**Ø 50 x 130 mm**		
250-142-04	**Ø 50 x 175 mm**		
250-142-06	**Ø 75 x 130 mm**		
250-142-07	**Ø 75 x 175 mm**		
250-142-09	**Ø 100 x 200 mm**		



250-151-14	**MAYO**	**Sterilisierklammer** **Safety pin** Imperdibles para instrumentos Pince de stérilisation Pinze per sterilizzazione	**14,0 cm; 5 4/8"**

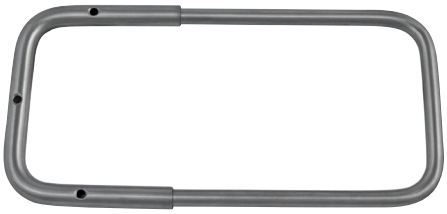


250-152-14	**MAYO**	**Sterilisierklammer** **Safety pin** Imperdibles para instrumentos Pince de stérilisation Pinze per sterilizzazione	**14,0 cm; 5 4/8"**

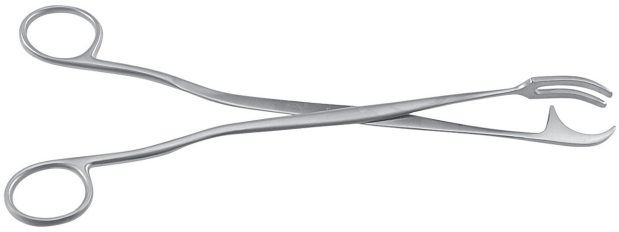


Sterilisierklammeln; Sterilisierzangen; Metalldosen
Safety Pin; Sterilizing Forceps; Metal Bowls
Imperdibles para instrumentos; Pinzas para esterilización; Cajas
Pinces de stérilisation; Pinces pour instruments stérilisés; Boîtes
Pinze per sterilizzazione; Pinze per strumenti sterilizzati; Scatole

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	WEINSTEIN **Sterilisierklammer** **Safety pin** Imperdibles para instrumentos Pince de stérilisation Pinze per sterilizzazione		
250-156-15	15,0 cm; 6"		
250-156-20	20,0 cm; 8"		
250-163-27	**CHEATLE** **Sterilisierzange** **Sterilizing forceps** Pinza para esterilización Pinces pour instruments stérilisés Pinze per strumenti sterilzzati	27,0 cm; 10 5/8"	
250-164-23	**ROGGE** **Sterilisierzange** **Sterilizing forcpes** Pinza para esterilización Pinces pour instruments stérilisés Pinze per strumenti sterilzzati	30,0 cm; 11 6/8"	
	runde Metalldose mit Deckel **round metal bowls with lid** cajas redondas con tapas boîte métallique ronde avec couvercle scatole rotonde con coperchio		
250-180-06	Ø 60 x 60 mm		
250-180-07	Ø 85 x 85 mm		
250-181-06	Ø 100 x 50 mm		
250-181-10	Ø 100 x 100 mm		
250-182-08	Ø 85 x 125 mm		
250-182-12	Ø 120 x 120 mm		
250-182-15	Ø 150 x 150 mm		









Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
	Mehrzweckschale **Universal trays** Bandejas universales Plateau universal Bacinelle universali		
250-207-23	220 x 170 x 50 mm		
250-207-31	280 x 200 x 50 mm		
250-209-35	370 x 270 x 50 mm		
250-209-40	420 x 320 x 50 mm		



	Instrumententablett **Instrument trays** Bandejas para instrumentos Plateau pour les instruments Bacinelle per strumenti		
250-220-21	200 x 150 x 25 mm		
250-220-24	260 x 160 x 30 mm		
250-221-31	300 x 220 x 30 mm		
250-221-35	350 x 220 x 40 mm		
250-221-40	540 x 360 x 25 mm		
250-221-42	680 x 450 x 25 mm		



	Messbecher; graduiert **Measures; graduated** Vasos-medidas; graduados Mesurette; graduée Bicchieri; graduati		
250-230-10	1,00 l		
250-230-20	2,00 l		
250-230-25	0,25 l		
250-230-50	0,50 l		



Art.Nr.	Beschreibung | *Description*		*Size*	*Spez.*

Bereitschaftskasten; perforiert; mit Scharnierdeckel und Filter
Storing cases; perforated; with hinged lid and filter
Cajas para almacenaje; perforado; con tapa de bisagra y filtro
Boîtes pour stockage; avec couvercle à charnières et filtre
Scatole per magazzinaggio; perforati; con copericho a cerniera e filtro



250-245-23	230 x 130 x 50 mm	250-246-23	230 x 130 x 75 mm
250-245-26	260 x 150 x 50 mm	250-246-26	260 x 150 x 75 mm
250-245-27	275 x 235 x 50 mm	250-246-30	300 x 200 x 75 mm
250-245-30	300 x 200 x 50 mm	250-246-32	325 x 275 x 75 mm
250-245-32	325 x 275 x 50 mm	250-246-42	420 x 175 x 75 mm
250-245-42	420 x 175 x 50 mm		

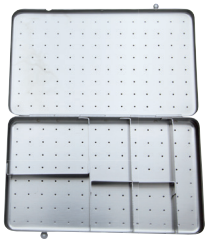
Ersatz-Textilfilter; Packung mit 5 Paar
Spare textile filters; package of 5 pairs
Filtros de tejido de recambio; paquete con 5 pares
Filtres en tissu de rechange; paquet avec 5 paires
Filtri di tessuti di ricambio; pacchetto con 5 paia

250-248-23	230 x 130 mm	250-248-30	300 x 200 mm
250-248-26	260 x 150 mm	250-248-32	325 x 275 mm
250-248-27	275 x 235 mm	250-248-42	420 x 175 mm

Instrumentenkasten ohne Knopfdeckel
Instrument box without lid with knob
Cajas con tapa sin botón
Boîtes avec couvercle sans bouton
Scatole con coperchio senza bottone



250-260-16	180 x 80 x 40 mm
250-260-20	200 x 100 x 60 mm
250-260-22	220 x 120 x 60 mm
250-260-26	250 x 120 x 60 mm
250-260-30	320 x 150 x 60 mm

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
250-300-00	**Nadeldose komplett mit Innendose** **Needle cases complete with interior box** Estuches para agujas con caja interior Boîte pour aiguilles complète avec boîte intérieure Scatole per aghi con scatola interiore	**Ø 65,0 mm** 	
250-300-01	**Nadelinnendose allein** **Needle case interior box** Caja interior para agujas Boîte intérieure pour aiguilles Scatole interiore		
250-315-15	**Nadeletui** **Needle cases** Estuches para agujas Boîte pour aiguilles Scatole per aghi	**150 x 95 x 13 mm** 	

Medizinbecher; Spirituslampe, Schlauchklemmen
Medicine Cups; Spirit Lamp; Tubing Clamps
Vasos medicinales; Lámparas de alcohol; Cierra-tubos
Gobelets; Lampes á alcool; Pince presse-tubes
Bicchieri per medicina; Lampade a spirito; Pinze serratubi

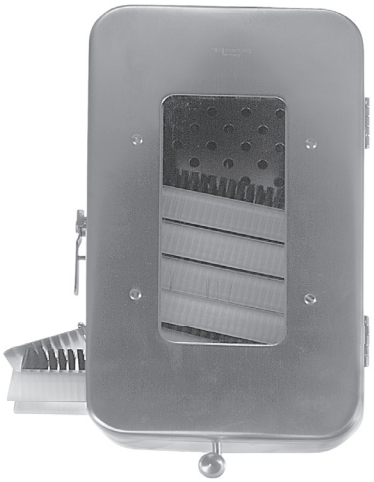
Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
250-320-10	**Petrieschale** **Petri dishes** Cápsulas de petri Boîtes de petri Scodella di petri	**Ø 100 x 20 mm**	
	Medizinbecher **Medicine cups** Vasos medicinales Gobelets Bicchieri per medicina		
250-310-25	**25 ccm**		
250-310-50	**50 ccm**		
250-350-12	**Spirituslampe; runder Docht** **Spirit lamp; round wick** Lámparas de alcohol; mecha rotondo Lampes á alcool; mèche redonda Lampade a spirito; lucignolo rotondo	**120 ccm**	







Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
Bürstenspender **Brush dispenser** Distribuidor de cepillos Distributeur de brosses Distributore di spazzole			
250-800-01	**für 10 Bürsten** **for 10 brushes** para 10 cepillos pour 10 brosses per 10 spazzole	**260 x 155 x 65 mm**	
250-800-02	**für 20 Bürsten** **for 20 brushes** para 20 cepillos pour 20 brosses per 20 spazzole	**270 x 240 x 65 mm**	



250-800-10	**Handwaschbürste; autoklavierbar; 10 Stck./Packung** **Hand and nail brush; autoclavable; 10 pcs./box** Cepillo para uñas; autoclavable; 10 piezas/paquete Brosse à ongles; stérilisable; 10 pièces/paquets Spazzola per unghie; sterilizzabile; 10 pezzi/confezione		



Flaschenöffner; Pflegeöl
Bottle Opener; Instrument Oil
Abre-botellas; Aceite para instrumentos
Ouvre-bouteilles; Huile pour instruments
Apribottiglie per bottiglie; Olio speciale per strumeti

Art.Nr.	Beschreibung | *Description*	*Size*	*Spez.*
265-500-20	**Flaschenöffner für Infusionsflaschen** **Bottle opener for infusion bottles** Abre-botellas para botellas de infusiones Ouvre-bouteille pour les bouteilles de perfusion Apribottiglie per bottiglie d' infusione		



DRSO/00-108-005	**Instrumenten Öl; Spraydose 500 ml** **Instrument oil; spray 500 ml** Aceite para instrumentos; spray 500 ml Huile pour instruments; bombe aérosol 500ml Olio speciale per strumenti; spray 500 ml		



Skalen
Scales
Escalas
Graduations
Scalas

inch	.223	.21	.197	.184	.17	.158	.144	.131	.118	.105	.092	.079	.066	.053	.039
mm	5.7	5.3	5.0	4.7	4.3	4.0	3.7	3.3	3.0	2.7	2.3	2.0	1.67	1.35	1
Fr./Charr.	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3





Fr./Charr.	18	19	20	22	24	26	28	30	32	34
mm	6.0	6.3	6.7	7.3	8.0	8.7	9.3	10.0	10.7	11.3
inch	.236	.249	.263	.288	.315	.341	.367	.393	.419	.445

Symbole
Symbols
Simboles
Symboles
Simbolos



Hohlheft
Hollow handle
Mango hueco
Manche creuse
Manico incavato



Massivheft
Solid handle
Mango macizo
Manche solide
Manico solido



Zahn
Teeth
Dientes
Dents
Dente



Gezahnt
Toothed
Dentado
Dentelée
Dentata



Einseitig gezahnt
Toothed one-side
Una hoja dentada
Une lame dentelée
Una lama dentata



Diamantiert
Diamond coated
Diamantada
Diamontée
Diamantata

Ti

Titan
Titanium
Titanio
Titane
Titanio

TC

Hartmetall
Tungsten carbide
Carburo de tungsteno
Carbure de tungsténe
Carburo di tungstento

FL

Funktionslänge
Function length
Longitud de trabajo
Longueur de fonction
Lunghezza lavorativa

SET

SET
Set
Juego
Jeu
Set

A

Adventitia
Adventitia
Adventicia
Advantice
Adventiva

D

Durchmesser
Diameter
Diámetro
Diamètre
Diametro

G

Gewicht
Weight
Peso
Poids
Peso

M

Maullänge
Length of jaws
Longitud de la boca
Longueur de mors
Lunghezza del morso

L

Länge
Length
Longitud
Longueur
Lunghezza

O

Maulöffnung
Opening of jaws
Abertura de boca
Ouverture de mors
Apertura di morso

P

Präparation
Dissection
Disección
Dissection
Dissezione

S

Schliesskraft
Closing force
Presión de cerramiento
Pression de formeture
Pressione di chiusura



Information
Information
Información
Information
Informazione

clean wave™

clean wave
clean wave
clean wave
clean wave
clean wave

ATRAUMA

Atraumatisch
Atraumatic
Atraumático
Atraumatique
Atraumatico



Gerieft
Serrated
Estriada
Strieé
Striata

FIBER OPTIC

Kaltlicht
Fiber optic
Luz fría
Lumière froide
Luce fredda

CC

Keramikbeschichtung
Ceramic coated
Cubierto con cerámica
Recouvert avec céramique
Ricoprito con ceramica



Kreuzschlitz
Cross-tip
Ranurada cruzada
Cruciforme
Fessura a croce



Hexagonal
Hexagonal
Hexagonal
Hexagonale
Esagonale

Schlitz
Flat-tip
Ranurado Tête
fendue
Fessura

SC

Super Cut
Super Cut
Super Cut
Super Cut
Super Cut

Table of Content – english



003 Scalpels; Knives

003-2	Scalpel Blades	
003-3	Scalpel Handles	
003-6	Micro Scalpel Blades	
003-6	Micro Scalpel Blade Handles	Landolt, Micro
003-7	Razor Blades	
003-8	Disposible Scalpels	
003-10	Dissecting Knives	Dissecting
003-11	Operating Knives	Collin, Dieffenbach
003-12	Amputation Knives	Catlin, Walb
003-13	Resection Knives	Cartilage, Langenbeck, Virchow
003-15	Amputation Knives	Liston, Virchow
003-16	Dermatomes	Cobbett, Humby, Schink, Silver, Watson



010 - 012 Scissors

010-2	Operating Scissors	Deaver, Grazil, Standard
010-6	Dissecting Scissors	Cinelli, Fomon, Jameson, Joseph, Kilner, Lexer, Mayo, Mayo-Harrington, Mayo-Noble, Mayo-Stille, Metzenbaum, Metzenbaum-Fino, Metzenbaum-Lahey, Metzenbaum-Nelson, Mixter, Reynolds, Sanvenero, Salyer, Shea, Thorek, Toennis-Adson, Wagner
010-23	Eye Scissors	Bonn, Graefe, Iris, O´Brian, Ribbon, Strabismus, Wilmer
010-29	Operating Scissors	Brophy, Fergusson, Landolt
010-31	Tendon Scissors	Stevens
010-32	Face-Lift Scissors	Gorney, Peck-Joseph, Toennis
010-35	Ligature Scissors	Buck, Eiselsberg, Heath, Littauer, Nothbent, Spencer
010-37	Neurosurgical Scissors	Dandy, Lincoln, Olivecrona, Schmieden-Taylor, Strully
010-39	Nasal Scissors	Caplan, Cottle, Fomon, Halle, Heymann
010-41	Tonsil Scissors	Boettcher, Cartilage, Good, Kirstein, Prince
010-42	Vascular Scissors	Crafoord, De Bakey, Diethrich, Favaloro, Klingenberg-Loth, Mc Indoe, Potts-Smith, Potts De- Martel, Satinsky
010-48	Gynecological Scissors	Doyen, Dubois, Kelly, Sims, Wertheim
010-51	Enterotomy Scissors	Lloyd-Davis
010-52	Lobectomy and Rectal Scissors	Finochietto, Stelzner
010-54	Perineum Scissors	Braun-Stadler, Waldmann
010-55	Umbilical Cord Scissors	Busch, Schumacher
010-56	Wire Cutting Scissors	BeeBee, Universal
010-57	Gum Scissors	Dean, Goldman-Fox, La Grange, Locklin
010-59	Bandage Scissors	Bergmann, Lister, Lorenz, Universal
010-61	Plaster Shears	Bruns, Esmarch, Seutin
011-3	TC Operating Scissors	Standard
011-4	TC Dissecting Scissors	Joseph, Lexer, Mayo, Mayo-Lexer, Mayo-Stille, Metzenbaum, Metzenbaum-Fino, Metzenbaum-Lahey, Metzenbaum-Nelson, Parametrium, Ragnell, Toennis-Adson, Thorek
011-13	TC Eye Scissors	Iris
011-14	TC Face-Lift Scissors	Gorney, Rees
011-14	TC Vascular Scissors	De Bakey
011-15	TC Gynecological Scissors	Sims
011-15	TC Fistula Scissors	Kelly

Table of Content – english



010 - 012 Scissors

011-16	TC Wire Cutting Scissors	Universal
011-16	TC Gum Scissors	Dean, Goldman-Fox, Locklin
011-18	TC Bandage Scissors	Bruns, Lister
012-3	SC Dissecting Scissors	Mayo, Mayo-Stille, Metzenbaum, Metzenbaum-Fino, Metzenbaum-Nelson, Toennis-Adson
012-7	SC Eye Scissors	Iris, Strabismus
012-8	SC Tendon Scissors	Stevens
012-8	SC Vascular Scissors	Potts-Smith
012-9	SC Gum Scissors	Goldman-Fox
012-9	SC Bandage Scissors	Lister



020 - 023 Forceps

020-2	Dressing Forceps	Adson, Bonney, Brophy, Cushing, Gerald, Mc Indoe, Potts-Smith, Ramsey, Standard, Semken, Stille, Taylor, USA Modell, Waugh
020-8	Tissue Forceps	Adlerkreutz, Adson, Adson-Brown, Bonney, Cushing, Durante, Gerald, Gillies, Lerche, Mayo, Nelson, Potts-Smith, Russ. Modell, Semken, Singley-Tuttle, Standard, Stille, Stone, Stille-Barraya, Taylor, USA Modell, Waugh
020-18	Jeweller Type Forceps	
020-19	Splinter Forceps	Feilchenfeld, Hunter, Peet, Ralk, Stieglitz
020-22	Atraumatic Forceps	De Bakey
020-23	Cilia Forceps	Barraquer, Beer, Douglas, Littauer
020-24	Ear Forceps	Grünwald, Jansen, Lucae, Troeltsch
020-25	Iris Forceps	Graefe
021-3	TC Dressing Forceps	Adson, Cushing, Gerald, Potts-Smith, Semken, Wangensteen
021-3	TC Tissue Forceps	Adson, Adson-Brown, Bonney, Gerald, Gillies, Oehler, Semken
021-7	TC Atraumatic Forceps	De Bakey
022-2	Bipolar Forceps	
022-4	Bipolar Cables	
022-5	Monopolar Forceps	



026 Vessel Clips; Approximators; Bulldog Clamps

026-2	Applying Forceps	
026-3	Vessel Clips	Biemer
026-4	Approximators	
026-6	Bulldog Clamps	De Bakey, De Bakey-Satinsky, Dieffenbach, Diethrich, Glover, Gregory, Gregory-Soft, Johns-Hopkins, Santulli
026-10	Applying Forceps	Johns-Hopkins

Table of Content – english



030 - 032 Towel Clamps; Sponge Forceps; Tubing Clamps

030-3	Towel Clamps	Backhaus, Bernhard, engl. Modell, Jones, Lane, Lorna, Peers, Roeder, Schaedel, Tohoku
030-8	Sponge and Dressing Forceps	Foerster, Foerster-Ballenger, Rampley, Ulrich
030-9	Cotton Swap Forceps	Bozemann, Bozemann-Douglas, Bryant, Cheron, Collin, Gross-Maier
030-12	Sinus Forceps	Lister, Martin
032-2	Tubing Clamps	Berlin, Gunnar Hey, Presbyterian



040 Haemostatic Forceps

040-2	Haemostatic Forceps	Carrel, Crile, Crile-Rankin, Dandy, Dixon-Lovelace, Halstead-Mosquito, Hartmann, Kelly, Kelly-Rankin, Kocher-Ochsner, Mosquito, Pean, Pennington, Providence-Hospital, Rochester-Carmalt, Rochester-Pean, Spencer-Wells, Terrier
040-15	Scalp Flap Forceps	Martel, Willet-Martel
040-16	Tissue Grasping Forceps	Chaput, Collin, Tuffier
040-17	Haemostatic Forceps	Adson, Bengolea, Fuchsig, Heiss, Kocher-Nippon, Kroenlein, Leriche, Pean, Pean-Nippon
040-22	Dissecting and Ligature Forceps	Crafoord, Crafoord-Sellors, Gemini, Kelly, Lawrence, Meeker, Mini-Gemini, Mixter, Overholt, Overholt-Fino, Overholt-Geissendorfer, Roberts, Rumel, Sarot, Zenker
040-32	Haemostatic Forceps	Birkett, Finochietto, Johns Hopinks, Lower, Mixter, Mixter-O'Shaugnessy, Overholt-Mixter
040-36	Kidney Pedicle Clamps	Guyon
040-36	Bile Duct Clamps	Lahey, Gray, Desjardins, Negus
040-38	Dissecting and Ligature Forceps	Wikstroem
040-39	Parametrium Forceps	Rogers
040-40	Hysterectomy Forceps	Heaney, Heaney-Ballentine, Moynihan, Phaneuf, Wertheim, Wertheim-Cullen
040-43	Organ Grasping Forceps	Fergusson, Pratt
040-45	Peritoneum Forceps	Faure, Mikulicz



050 - 056 Needle Holders; Needles

050-2	Needle Holders	Adson, Brown, Collier, Converse, Crile, Crile-Murray, Crile-Wood, Derf, Derf-Halsey, Finocchietto, Heaney, Hegar-Baumgartner, Jamison, Johnson, Lichtenberg, Masson, Mathieu, Mathieu-Kocher, Mayo-Hegar, Metzenbaum, M.G. Hospital, Neivert, Stratte, Toennis, Wangensteen, Webster
050-9	Needle Holders with Scissors	Gillies, Olsen-Hegar
051-4	TC Needle Holders	Barry Sternal, Baumgartner, Bozemann, Corwin, Crile-Wood, De Bakey, Derf, Finochietto, Heaney, Hegar, Hegar- Halsey, Langenbeck, Lichtenberg, Martini, Masson, Mathieu, Mayo-Hauberisser, Mayo-Hegar, Microvascular, Ryder, Sarot, Stratte, Wangensteen, Webster, Zweifel
051-16	TC Needle Holders with Scissors	Gillies, Olsen-Hegar
056-2	Reverdin Needles	
056-4	Ligature Needles	Brunner, Claus, Claus-Eicken, Payr, Cooper, Deschamps, Falk, Hurd, Kronecker, Nager, Schmieden, Schmieden-Payr, Young-Hryntschak
056-11	Ligature Conductors	Brunner, Kirschner, König, Modell Wien

Table of Content – english



050 - 056 Needle Holders; Needles

056-11	Goitre Enucleator	Kocher
056-12	Ligature Adjuster	
056-12	Knot Tier	Bozemann
056-13	Clip Applying Forceps	Childe, Collin, Hegenbarth, Lange, Michel, Richter-Heath, Wachtenfeld



062 - 064 Retractors

062-2	Vein Hooks	Brom, Fisch, Gillies, Graefe, Graham, Kilner, Moldestad, Sachs
062-4	Hooklets	Cottle, Frazier, Freer, Graefe, Guthrie, Joseph, Kleinert-Kutz, Knapp, O´Connor, Rollet
062-7	Tracheal Hooks	Bose, Iterson, Jackson, Luer, News, Rose
062-11	Nerv Hooks	Adson, Cushing, Dandy, Groningen, Krayenbühl
062-13	Retractors	Cushing, Czerny, Desmarres, Farabeuf, Gil-Vernet, Goelet, Langenbeck-Green, Mathieu, Meyerding, Mini-Langenbeck, Parker, Parker-Langenbeck, Ragnell, Ragnell-Davis, Roux, Senn-Green, Senn-Miller
064-2	Retractors	Allison, Brunner, Cooley, Coryllos, Crawford, Davidson, Deaver, Doyen, Fritsch, Grip, Harrington, Israel, Kelly, Kocher, Kocher-Langenbeck, Koerte, Kümmel, Lahey, Langenbeck, Little, Martin, Meyerding, Middeldorpf, Mikulicz, Ollier, Richardson, Richardson-Eastman, Ross, Sauerbruch, Simon, St. Marks, Volkmann, Wassmund, Zenker



070 - 078 Self-Retaining Retractors; Abdominal Retractors

070-2	Self-retaining Retractors	Adson, Alm, Anderson-Adson, Beckmann, Beckmann-Adson, Beckmann-Eaton, De Bakey, Finsen, Gelpi, Gelpi-Locktite, Henley, Jansen, Mayo-Adams, Meyerding, Milligan, Mollison, Plester, Scalp-Contour, Weitlaner, Weitlaner-Baby, Weitlaner-Loktite, Williams, Wullstein
074-2	Abdominal Retractors	Balfour, Balfour-Baby, Collin, Charnley, Collin-Baby, Doyen, Gosset, Gosset-Baby, Kirschner, O´Sullivan-O´Connor, Ricard, Rochard
074-16	Abdominal Spatulas	Haberer, Ribbon, Tuffier



080 - 087 Trocars; Suction Tubes

080-2	Buttoned Probes	
080-3	Probes	Stacke
080-4	Grooved Directors	Brodie, Doyen, Nélaton
080-5	Fistula Probes	Lockhart-Mummery
080-6	Varix Instruments	Varady
080-7	Varicose Vein Probe Set	Nabatoff
080-8	Cotton Applicators	Fein, Farrell, Jobson-Horne, Lathbury, Ukermann
080-9	Ring Strippers	Vollmar
084-1	Trocars	Coakley, Lichtwitz, Nelson, Universal
085-2	Suction Tubes	Adson, Cogswell, Cooley, Coupland, De Bakey, Fergusson, Frazier, Fukushima, Guillen, Plester, Poole, Poppen, Yankauer

Table of Content – english



080 - 087 Trocars; Suction Tubes

086-10	Cannulas	Barnes, Baron, Eicken, Hajek, House, Menghini, Mock, Quinke, Rosen, Schmid, Schuhknecht, Tuohy, Van Alyea, Veres, Zöllner
086-17	Sphenoidalis Probe	Skillern
086-18	Guide Needles	Redon
087-20	Syringes	
087-24	Connecting Pieces	



090 - 098 Micro Scissors; Micro Forceps; Micro Needle Holders

090-2	Micro Scissors	Jacobson, Noyes
094-2	Micro Forceps	Stacke
096-2	Micro Needle Holders	Arruga, Barraquer, Barrquer-Troutman, Castroviejo, Kalt



100 - 103 Diagnostics; Anaesthesia

100-2	Percussion Mallets	Buck, Dejerine, Taylor
100-3	Caliper	Castroviejo, Castroviejo-Epker
100-4	Flexometer	
100-4	Rulers	
100-5	Goniometer	Caroll
100-6	Stethoscopes	Anestophan, Duplex, Pinard
100-7	Otoscope Set	
100-8	Ophtalmoscope Set	
100-9	Diagnostic Set	
100-11	Head Lamps	Clar
100-12	Compression Bandages	Esmarch
100-13	Comprimeter	
100-14	Blood Pressure Manometers	
103-2	Laryngoscopes	Foregger, Guedel-Negus, Mc Intosh, Miller



111 - 114 ENT

111-2	Ear Specula	Hartmann, Toynbee, Zöllner
111-4	Polypus Snares	Krause, Krause-Voss
111-5	Ear Forceps	Buck, Hartmann, Hartmann-Hoffmann, Hartmann-Wullstein, Quire, Struempel
111-8	Micro Ear Forceps	Dieter, Mc Gee, Mini-Mc Gee
111-14	Micro Ear Scissors	Bellucci
111-16	Antrum Punches	Beyer, Citelli, Kerrison
111-17	Ear Curettes	Barth, Billeau, Buck, Gross, Jansen, Langenbeck, Shapleigh, Zaufal
111-19	Ear Hooks	Day, Hartmann, Lucae, Wagener
111-20	Tympanum Needle	Lucae, Politzer
111-21	Micro Ear Hooks, Micro Ear Needles	Barbara, Mc Gee, Rosen
111-23	Micro Ear Knives	Plester, Schuknecht, Tabb, Wullstein
111-24	Micro Dissectors	Fisch
111-24	Micro Measuring Rods	House
111-25	Curettes	House
111-25	Ear Catheters	Hartmann



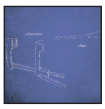
111 - 114 ENT

111-26	Tuning Forks	Hartmann, Lucae, Rydel-Seiffert
111-26	Air Bags	Politzer
111-27	Atomizers	Kabierske
111-28	Ear Syringes	
112-2	Nasal Specula	Beckmann, Cottle, Hartmann-Halle, Killian, Tieck-Halle, Thudichum, Vienna
112-5	Polypus Snares	Krause, Krause-Voss
112-6	Nasal Tampon Forceps	Hartmann, Lubet-Barbon, Westmacott
112-7	Rhinoplastic Knives	Converse, Cottle, Fomon, Freer, Halle, Joseph, Ulrich
112-9	Swivel Knives	Ballenger
112-10	Septum Elevators	Cottle, Freer, Halle, Howarth, Joseph, Joseph-Masing, Killian, Mc Kenty, Masing, Pennington
112-14	Nasal Saws	Joseph
112-15	Nasal Rasps	Aufricht, Cottle, Fomon, Gallaher, Joseph, Lewis, Maltz, Masing, Miller, Wiener
112-19	Mucosa Hooklets	Cottle, Joseph
112-20	Alar Hooks	Cottle, Fomon, Lange
112-21	Nasal Retractors	Aufricht, Cottle, Cottle-Neivert
112-23	Antrum Curettes	Coakley, Faulkner, Sewall
112-24	Osteotomes, Chisels	Ballenger, Cinelli, Cottle, Fomon, Freer, Killian, Killian-Claus, Rubin, Walter, West
112-29	Rhinoplastic Chisels	Neivert-Anderson, Silver, Parkes
112-30	Adenoid Curettes	Beckmann
112-31	Columella Forceps	Cottle
112-31	Septum Forceps	Asch, Walsham
112-32	Septum Morcelizers	Cottle, Kressner, Rubin
113-33	Nasal Forceps	Hartmann, Schmieden, Struycken, Takahashi, Watson-Williams
113-35	Septum Forceps	Bruenings, Graig, Graig-Domnick, Jansen-Middelton, Knight, Luc
113-38	Nasal Forceps	Hajek-Kofler, Weil-Blakesley
113-39	Antrum Punch	
114-40	Finger Protector	Langenbeck
114-41	Mouth Gags	Molt
114-42	Mouth Gags	Davis-Boyle, Denhart, Dingmann, Heister, Jennings, Kilner-Doughty, Molt, Mc Ivor, Oringer, Roser-König
114-48	Lip and Cheek Retractors	Bishop, Minnesota, Simplex, Sternberg
114-49	Tongue Depressors	Hartmann, Tobold, Wieder
114-50	Tongue Spatulas	Brünings
114-51	Tongue Holding Forceps	Collin, Young
114-52	Disimpaction Forceps	Rowe
114-52	Zygoma Elevators	Gillies
114-53	Bone Holding Forceps	Steinhäuser
114-53	Ramus Separator	Smith
114-54	Mylohyoid Muscle Clamp	Terry
114-55	Ramus Clamp	Steinhäuser
114-56	Osteotomes	Bauer, Epker-Bauer
114-57	Periosteal Elevators	Obwegeser
114-61	Soft Tissue Retractors	Obwegeser
114-64	Awls	Obwegeser



131 - 132 Bronchoscopy

131-2	Broncho-Esophagoscopy Forceps	Brünings, Cordes, Fränkel, Huber, Krause, Lange, Scheinmann, Schumacher, Seiffert
131-5	Micro Laryngeal Surgery Instruments	
131-6	Laryngeal Mirrors	Michel
131-8	Laryngeal Polypus Forceps	Jurasz
132-9	Tonsil Forceps	Blohmke, Schnidt, White
132-11	Tonsil Dissectors	Henke, Hurd
132-12	Tonsil Knives	Brünings
132-13	Tonsil Snares	Brünings, Eves, Tyding
132-15	Tonsil Forceps	Hartmann



140 - 142 Cardiovascular Surgery

140-2	Rib Shears	Brunner, Bethune, Giertz-Stille, Gluck, Sauerbruch
140-4	Sternum Chisel	Lebsche
140-5	Rib Spreaders	Burford, Castañeda, Cooley, De Bakey, Finochietto, Haight, Morse Favaloro, Tuffier
140-13	Thoracic Retractor	Mercedes
140-14	Rib Contractors	Bailey, Bailey-Gibbon, Sellors
141-2	Bronchus Clamps	Price-Thomas, Semb
141-3	Lung Grasping Forceps	Lovelace
141-4	Ligature Catchers	
141-4	Tourniquets	
141-5	Vascular Dilators	Cooley, De Bakey
142-2	Haemostatic Forceps	De Bakey-Mosquito, De Bakey-Rankin
142-3	Aortic Clamps	Dietrich, Ochsner
142-4	Multi purpose Vascular Clamps	Dardik
142-5	Peripheral Vascular Clamps	Dale
142-6	Profunda Clamps	Gregory
142-7	Carotid Shunt Clamps	Javid
142-8	Peripheral Vascular Clamps	Martin
142-10	Coarctation Clamps	Potts
142-11	Anastomosis Clamps	De Bakey, Potts
142-12	Peripheral Vascular Clamps	De Bakey, Leland-Jones
142-14	Multi purpose Vascular Clamps	Bainbridge, De Bakey
142-15	Aortic Aneurysm Clamps	De Bakey
142-16	Ligature Forceps, Aortic Clamps	De Bakey
142-20	Tangential Occlusion Clamps	Satinsky
142-21	Auricle Clamps	Harken
142-22	Bronchus Clamps	Lees
142-23	Aorta-Anastomosis Clamps	De Bakey, Lambert-Kay
142-24	Aortic Clamps	Morris-De Bakey
142-25	Aneurysm Clamps	De Bakey-Rakin
142-26	Multi purpose Vascular Clamps	De Bakey, Potts
142-30	Haemostatic Forceps	De Bakey, De Bakey-Mosquito, De Bakey-Pean
142-32	Multi purpose Vascular Clamps	De Bakey, Glover
142-34	Anastomosis Clamps	De Bakey, De Bakey-Beck, Derra
142-36	Pediatric Vascular Clamps	De Bakey, Cooley
142-39	Anastomosis Clamps	Cooley, Cooley-Derra
142-44	Pediatric Vascular Clamps	Cooley-Beck, Subramanian, Subramanian-Miniature
142-48	Neonatal Vascular Clamps	Castañeda

Table of Content – english



154 **Gall Bladder; Kidney**

154-2	Gall Stone Forceps	Blake, Desjardins, Mixter
154-3	Gall Duct Dilators	Bakes
154-4	Common Duct Probes	Desjardins
154-4	Common Duct Scoops	Desjardins, Fergusson, Luer-Körte, Mayo, Moynihan
154-6	Kidney Stone Forceps	Heimig, Randall



160 - 168 **Stomach; Intestines; Rectum**

160-2	Intestinal and Tissue Grasping Forceps	Allen, Allis, Allis-Adair, Allis-Baby, Babcock, Boys-Allis, Duval, Judd-Allis, Lockwood, Thomas-Allis, Williams
160-6	Intestinal Clamps	Brunner, Doyen, Doyen-Baby, Kocher, Mayo-Robson
160-8	Intestinal and Pylorus Clamps	Payr, Payr-Baby
160-9	Intestinal Anastomosis Clamps	Benson, De Martel-Wolfson, Stone-Watt
160-11	Twin Clamps	Lane
164-12	Intestinal and Tissue Grasping Forceps	Allis, Babcock
164-13	Intestinal Clamps	Brunner, Doyen, Kocher, Mayo-Robson, Scudder
164-17	Sigmoid Anastomosis Clamps	Fehland, Hayes, Resano
168-2	Rectal Specula	Czerny, Pratt, Sims
168-3	Rectal Spreaders	Alan Parks
168-4	Anuscopes	Ives Fansler
168-4	Sphincteroscopes	Kelly
168-5	Biopsy Forceps	Turrel, Yeoman
168-6	Hemorrhoidal Ligators	Mc Givney, Rudd
168-7	Hemorrhoidal Ligature Forceps	Mc Givney



170 **Urology**

170-2	Forceps Uro-Tangential	
170-3	Capsule Forceps	Millin
170-4	Foreign Body Forceps	Mathieu
170-5	Bladder Retractors	Juss-Masson, Millin
170-7	Prostatic Retractors	Young
170-8	Bladder Spatula	Legeu
170-8	Penis Clamps	Stockmann, Strauss
170-9	Circumcision Instruments	Comco
170-10	Urethral Sounds	Guyon, Van Buren



180 - 181 **Gynecology**

180-2	Endospecula	Kogan
180-3	Vaginal Specula	Auvard, Breisky, Collin, Cusco, Doyen, Graeve, Jackson, Kallmorgen, Kristeller, Landau, Pederson, Scherbak, Semm, Sims, Trelat, Weissbarth
180-16	Uterine Dilators	Hank, Hegar, Pratt
180-19	Uterine Tenaculum Forceps	Adair, Barrett, Braun, Czerny, Duplay, Jacobs, Iowa, Museux, Pozzi, Pratt, Teale, Schröder, Skene
180-24	Polypus Forceps	Doyen, Kelly, Noto
180-25	Uterine Seizing Forceps	Collin, Dartigues, Somer
180-26	Amniotomes	Beacham
180-26	Uterine Depressors	Braun, Sims
180-27	Uterine Sounds	Cohen, Martin, Sims, Valleix
180-28	Biopsy Curettes	Kevorkian, Novak
180-28	Fistula Hooks	Emmet, Simon

Table of Content – english



180 - 181 Gynecology

180-29	Myoma Screws	Doyen
180-30	Uterine Biopsy Forceps	Alexander, Baby-Tischler, Burke, Eppendorf, Faure, Gellhorn Kevorkian, Kevorkian-Pacific, Mini-Townsend, Schubert, Schumacher, Schumacher-Van Doren, Thoms-Gaylor, Tischler, Tischler-Kevorkian, Van Doren, Wittner
180-34	Uterine Curettes	Blake, Green, Recamier, Sims
180-37	Uterine Scoops	Schröder, Simon
181-2	Obstetrical Forceps	De Lee, Green-Armytage, Kielland, Killand-Luikart, Naegele, Piper, Simpson, Simpson-Braun, Simpson-Luikart, Wrigley
181-5	Ovum Forceps	Winter
181-5	Placenta Scoops	Pestalozza
181-6	Ovum Forceps	Kelly, Noto, Sanger
181-6	Pelvimeters	Martin



186 Dermatology

186-2	Comedone Extractors	Katsch, Saalfeld, Schamberg, Unna, Unna-Vidal
186-3	Lupus Curettes	Fox
186-4	Lupus Instruments	Vidal, Wolff
186-5	Dermal Punches	Keyes
186-5	Finger Nail Drill	
186-6	Finger Ring Saw	Radolf, Walton



190 - 196 Bone Surgery

190-2	Plaster Knives	Hopkins
190-2	Plaster Saws	Engel
190-3	Plaster Spreaders	Henning, Modell USA
190-3	Plaster Breakers	Wolff
190-4	Plaster Shears	Stille
190-5	Plaster Saws	Bluepower
190-6	Saw Blades	
190-9	Amputation Saws	Bier, Charrière, Langenbeck, Satterlee
190-12	Amputation Retractors	Percy
190-12	Drill Guide	Adson
190-13	Reamers	Perthes
190-14	Hand Drills	Bunnell, Hudson, Moore, Ralk, Stille,
190-19	Screwdrivers	
190-20	Bone Levers	Hohmann, Lange-Hohmann, Mino-Hohmann, Verbrugge-Müller
190-24	Knee Retractors	Blount
190-25	Bone Levers	Bennett, Taylor
190-26	Extension Bows	Boehler, Kirschner
190-27	Pins	Steinmann
190-28	Extension Pins	Kirschner
190-30	Flat Nose Pliers	Hackstock
190-33	Vise Grips	
190-33	Parallel Pliers	
190-34	Wire Cutting Pliers	
190-36	Wire Cutters Front Action	
190-37	Wire Tighteners	Loute
190-37	Wire Guides	Demel
190-38	Bone Wires	

Table of Content – english



190 - 196 Bone Surgery

191-2	Mallets	Collin, Cottle, Doyen, Hajek, Herbert, Partsch, Williger, Wagner,
192-2	Bone Curettes	Bruns, Cobb, Daubenspeck, Halle, Jansen, Lempert, Modell USA, Schere, Simon, Spratt, Stille, Uffenorde, Volkmann, Williger
193-2	Periosteal Elevators	Adson, Alderdyce, Alexander, Cobb, Cushing, Doyen, Farabeuf, Hoen, Key, König, Lambotte, Langenbeck, Mc Donald, Sedillot, Semb, Wagner, Williger
193-13	Elevators	Langenbeck, Quervain, Sebileau, Williger
193-15	Bone Files	Miller-Colburn, Putti
193-17	Tampers	
194-2	Osteotomes, Chisels, Gouges	Alexander, Cobb, Dahmen, Hibbs, Hoke, Lambotte, Lexer, Mini-Lambotte, Mini-Lexer, Partsch, Smith-Petersen, Stille
195-2	Bone Holding Clamps	Gerster-Lowman
195-2	Reposition Forceps	
195-3	Bone Holding Forceps	Van Buren
195-4	Cartilage Seizing Forceps	Bircher-Ganske, Martin
195-5	Bone Holding Forceps	Farabeuf, Fergusson, Kern, Lambotte, Lane, Langenbeck, Lewin, Semb, Ulrich, Verbrugge
195-12	Tendon Interlacing Forceps	
195-13	Tendon Holding Forceps	Brand, Carroll, Kleinert-Kutz, Steinmann
195-14	Tendon Strippers	Bunnell, Fischer
195-15	Knee Retractors	Blount, Smillie
195-16	Meniscus Knives	Neff, Salenius, Smillie
196-2	Bone Rongeurs	Beyer, Blumenthal, Böhler, Cleveland, Echlin, Friedmann, Frykholm, Hartmann, Jansen, Lecksell-Stille, Lempert, Luer, Marquardt, Mayfield, Mead, Ruskin, Sauerbruch, Semb, Stellbrink, Stille, Stille-Luer, Stille-Ruskin, Zaufal-Jansen
196-12	Bone Cutting Forceps	Böhler, Cleveland, Kazanjian, Liston, Liston, Liston-Key, Liston-Stille, Mc Indoe, Ruskin-Liston, Semb
196-17	Lead Hands	



240 - 249 Neurosurgery

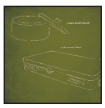
240-2	Laminectomy Punches	Clean-Wave, Kerrison, Love Kerrison
240-10	IVD Rongeurs	Bajonett, Caspar, Clean-Wave, Cushing, Love-Grünwald, Spurling
243-2	Wire Saws	Gigli, Olivecrona
243-2	Wire Saw Guides	De Martel
243-3	Cranial Rongeurs	Cone, Dahlgreen, De Vilbiss
243-5	Retractors	Leyla
243-9	Spatulas	Cushing, Heifetz, Olivecrona
243-11	Nerve Root Retractors	Holsher, Horsley, Love, Sachs, Scoville
243-13	Nerve Hooks	Cushing, Smithwick
243-14	Dissectors	Davis, Frazier, Milligan, Olivecrona, Penfield, Sachs, Toennis
243-17	Retractors	Badgley, Caspar, Cloward, Inge, Scoville, Scoville-Haverfield
243-30	Micro Forceps	Austin, Lazar, Samii, Vise, Yasargil, Yasargil-Samii,
243-35	Micro Instruments	Caspar, Jacobson, Koos, Yasargil
243-39	Instruments	Caspar, Hardy, Ray, Yasargil

Table of Content – english



240 - 249 Neurosurgery

244-2	Clips and Applying Forceps	Mc Kenzie, Olivecrona-Toennis, Raney
244-4	Vessel Clips	Yasargil
244-27	Applying Forceps for Vessel Clips	Yasargil
249-01	SWING Laminectomy Punches	Kerrison SWING



250 Miscellaneous

250-2	Nail Scissors	
250-2	Nail Nippers	Turnbull
250-3	Cuticle Scissors	
250-3	Nail Files	
250-4	Bowls	
250-5	Metal Jars	
250-5	Bed Pans	
250-5	Safety Pins	Mayo, Weinstein
250-6	Sterilizing Forceps	Cheatle, Rogge
250-6	Metal Bowls	
250-7	Universal Trays	
250-7	Measures	
250-8	Storing Cases	
250-8	Instrument Boxes	
250-9	Needle Cases	
250-10	Medicine Cups	
250-10	Spirit Lamp	
250-11	Hand and Nail Brush	
250-12	Bottle Opener	
250-12	Instrument Oil	

Find the LATEST digital
version of this catalog under:
https://tontarra.de/en/products/e-catalogues

TONTARRA Medizintechnik GmbH
Daimlerstrasse 15
78573 Wurmlingen
Tel: +49(0) 74 61 / 9 65 76 -0
Fax: +49(0) 74 61 / 9 65 76 -26

info@tontarra.de
www.tontarra.de

Germany

Copyright by TONTARRA Medizintechnik GmbH.
All rights reserved. We reserve the right to make technical alterations. Sales and availability of products limited to registrations.

999-110-01INT Rev. 07/21.12.2023

CE 0297