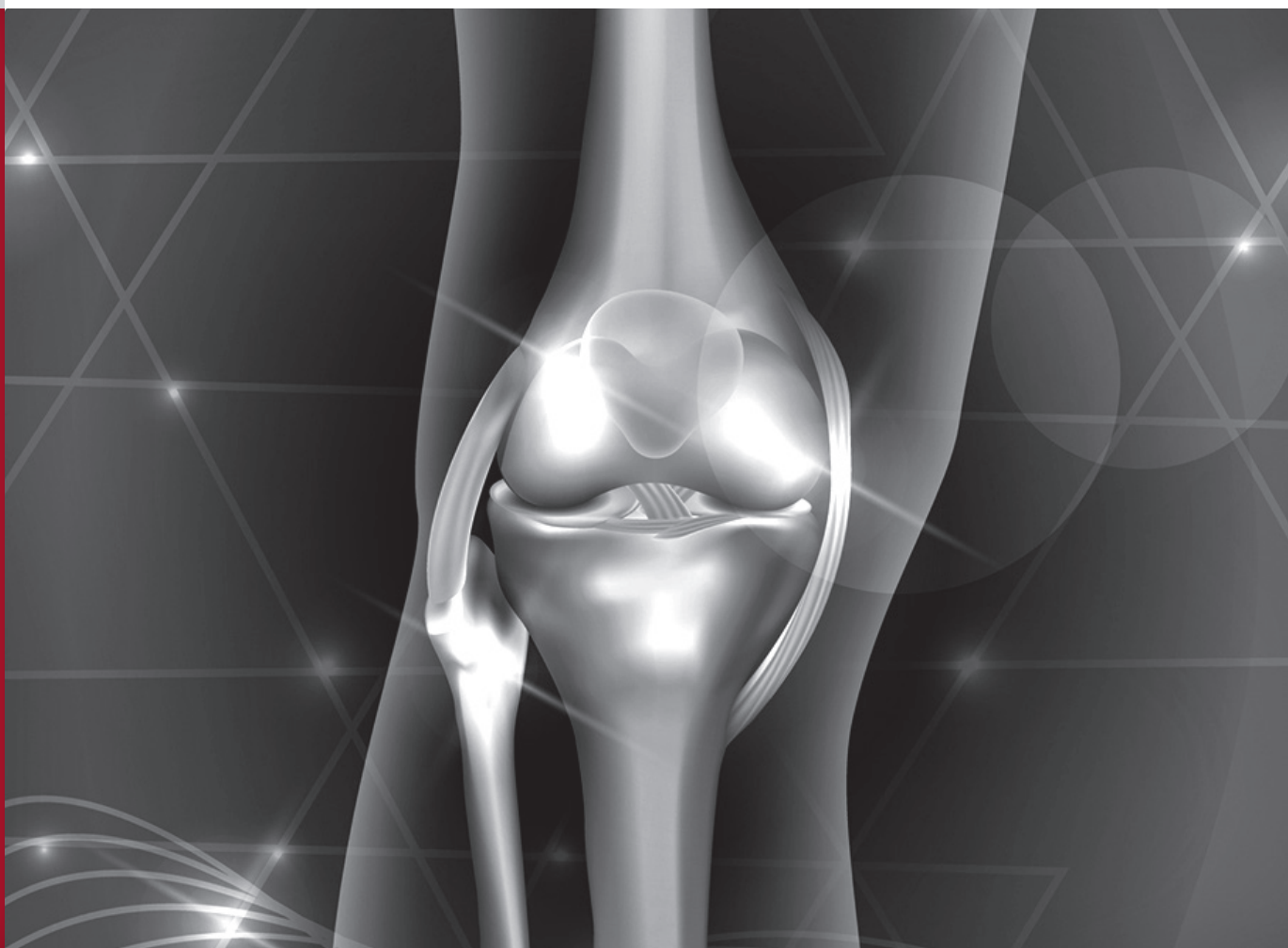


TONTARRA

ENDOSCOPY



ARTHROSCOPY



YOUR SPECIALIST IN THE WORLD CENTER OF MEDICAL TECHNOLOGY

For more than 55 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.



+ 55
years of experience



+ 140
skilled employees



+ 20.000
upmarket products

► Punches & graspers	04 – 08
► Small joint punches & graspers	09
► Instruments with rotating function	10 – 11
► Instruments for adaptable handles	12 – 13
► Instruments with triangular and knurled handles	14 – 15
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► Light Guide Cables and Connectors	22 – 27
► Cleaning, Sterilization, Storage Accessories	28 – 29

Pinless hinge design
arthroscopic STELLA LINE



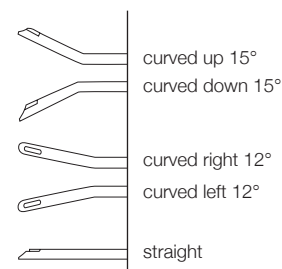
STELLA **LIGHT**
Coated light weighed aluminium/steel handle



STELLA **STANDARD**
Stainless steel handle



		Tip profile in mm (A)	Bite width in mm (B)	Tip width in mm (C)	STELLA STANDARD	STELLA LIGHT
WIDE PUNCH LOW PROFILE						
	Straight small	1.90	2.50	4.10	578-010-00	577-010-00
	Straight medium	1.90	3.20	5.00	578-020-00	577-020-00
	Straight large	1.90	4.50	6.10	578-021-00	–
	Curved left 12°; medium	1.90	3.20	5.00	578-035-03	577-035-03
	Curved right 12°; medium	1.90	3.20	5.00	578-040-04	577-040-04
	Curved up 15°; medium	1.90	3.20	5.00	578-030-02	577-030-02
WIDE PUNCH LOW PROFILE; UPBITER						
	Upbiter straight; small	1.90	2.50	4.10	578-015-10	–
	Upbiter straight; medium	1.90	3.20	5.00	578-025-10	577-025-10
	Upbiter straight; large	1.90	4.50	6.10	578-021-10	577-021-10
	Upbiter curved up 15°; medium	1.90	3.20	5.00	578-035-12	–
	Upbiter curved left 12°; medium	1.90	3.20	5.00	578-035-13	–
	Upbiter curved right 12°; medium	1.90	3.20	5.00	578-035-14	–
WIDE PUNCH STANDARD PROFILE						
	Straight small	2.50	2.50	4.10	578-110-00	–
	Straight medium	2.50	3.20	5.00	578-120-00	577-120-00
	Straight large	2.50	4.50	6.10	578-145-00	–
	Curved up 15°; medium	2.50	3.20	5.00	578-130-02	577-130-02
	Curved left 12°; medium	2.50	3.20	5.00	578-135-03	–
	Curved right 12°; medium	2.50	3.20	5.00	578-140-04	–
WIDE PUNCH STANDARD PROFILE; UPBITER						
	Upbiter straight; small	2.50	2.50	4.10	578-115-10	–
	Upbiter straight; medium	2.50	3.20	5.00	578-125-10	577-125-10
	Upbiter straight; large	2.50	4.50	6.10	578-150-10	–
	Upbiter curved up 15°; medium	2.50	3.20	5.00	578-130-12	–
	Upbiter curved left 12°; medium	2.50	3.20	5.00	578-135-13	577-135-13
	Upbiter curved right 12°; medium	2.50	3.20	5.00	578-140-14	577-140-14



		Tip profile in mm (A)	Bite width in mm (B)	Tip width in mm (C)	STELLA STANDARD	STELLA LIGHT
BASKET PUNCH POSTERIOR						
	Straight	2.50	2.20	4.00	578-385-00	577-385-00
	Curved left 12°	2.50	2.20	4.00	578-385-03	577-385-03
	Curved right 12°	2.50	2.20	4.00	578-385-04	577-385-04
	Curved up 15°	2.50	2.20	4.00	578-385-02	577-385-02
BASKET PUNCH POSTERIOR; UPBITER						
	Upbiter straight	2.50	2.20	4.00	578-385-10	577-385-10
BASKET PUNCH SLIM						
	Straight	1.90	1.70	2.90	578-210-00	577-210-00
	Curved up 15°	1.90	1.70	2.90	578-215-10	577-215-10
	Jaw 45°, curved left	1.90	1.70	2.90	578-210-30	–
	Jaw 45°, curved right	1.90	1.70	2.90	578-210-40	–
BASKET PUNCH SLIM; UPBITER						
	Upbiter straight	1.90	1.70	2.90	578-210-10	577-210-10
	Upbiter curved left 12°	1.90	1.70	2.90	578-220-13	577-220-13
	Upbiter curved right 12°	1.90	1.70	2.90	578-225-14	577-225-14
BASKET PUNCH SCOOP STYLE						
	Straight; small	2.10	1.60	3.30	578-310-00	577-310-00
	Straight; small; wide basket	2.30	1.60	3.30	578-335-00	577-335-00
	Straight; medium	2.30	1.80	3.60	578-350-00	577-350-00
	Straight; large; narrow basket	2.90	2.00	3.80	578-355-00	577-355-00
	Curved left 12°; small	2.10	1.60	3.30	578-365-03	577-365-03
	Curved right 12°; small	2.10	1.60	3.30	578-370-04	577-370-04
	Curved up 15°; small	2.10	1.60	3.30	578-320-02	577-320-02
	Curved down 15°; small	2.10	1.60	3.30	578-360-05	577-360-05
BASKET PUNCH SCOOP STYLE; UPBITER						
	Upbiter straight; small	2.10	1.60	3.30	578-315-10	577-315-10
	Upbiter straight; medium	2.30	1.60	3.90	578-340-10	577-340-10
	Upbiter curved left 12°; small	2.10	1.60	3.30	578-325-13	577-325-13
	Upbiter curved right 12°; small	2.10	1.60	3.30	578-330-14	577-330-14
	Upbiter curved up 15°; medium	2.30	1.60	3.90	578-345-02	577-345-02

Pinless hinge design
arthroscopic STELLA LINE



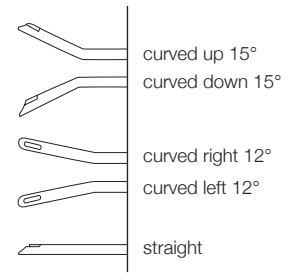
STELLA LIGHT
Coated light weighed aluminium/steel handle

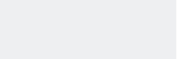


STELLA STANDARD
Stainless steel handle



		Tip profile in mm (A)	Bite width in mm (B)	Tip width in mm (C)	STELLA STANDARD	STELLA LIGHT
OVAL PUNCH						
	Straight	1.65	4.40	6.60	578-410-00	577-410-00
	Curved left 12°	1.65	4.40	6.60	578-425-03	577-425-03
	Curved right 12°	1.65	4.40	6.60	578-430-04	577-430-04
	Curved up 15°	1.65	4.40	6.60	578-420-02	577-420-02
OVAL PUNCH; UPBITER						
	Upbiter straight	1.65	4.40	6.60	578-415-10	577-415-10
	Upbiter curved left 12°	1.65	4.40	6.60	578-415-13	–
	Upbiter curved right 12°	1.65	4.40	6.60	578-415-14	–
	Upbiter curved up 15°	1.65	4.40	6.60	578-415-12	577-415-12
SCISSORS PUNCH						
	Straight	2.30	1.00	2.50	578-510-00	577-510-00
	Curved left 12°	2.80	1.00	2.50	578-510-03	–
	Curved right 12°	2.80	1.00	2.50	578-510-04	–
SCISSORS PUNCH; UPBITER						
	Upbiter straight	2.30	1.00	2.50	578-515-10	577-515-10
	Upbiter curved left 12°	2.80	1.00	2.50	578-520-13	577-520-13
	Upbiter curved right 12°	2.80	1.00	2.50	578-525-14	577-525-14
BACKBITER PUNCH						
	Straight; cutting left	3.93	2.38	5.58	578-555-30	577-555-30
	Straight; cutting right	3.93	2.38	5.58	578-560-40	577-560-40
BASKET PUNCH WITH MENISCAL LIFT						
	Straight	2.50	1.60	3.20	578-390-00	577-390-00
BASKET PUNCH WITH MENISCAL LIFT; UPBITER						
	Upbiter straight	2.50	1.60	3.20	578-395-10	577-395-10
WIDE PUNCH WITH MENISCAL LIFT						
	Straight	2.50	3.20	5.00	578-397-00	–



		Tip profile in mm (A)	Bite width in mm (B)	Tip width in mm (C)	STELLA STANDARD	STELLA LIGHT
HOOK PUNCH; BLUNT						
	Straight	1.80	1.70	3.30	578-380-00	577-380-00
	Curved left 12°	1.80	1.70	3.30	578-380-03	–
	Curved right 12°	1.80	1.70	3.30	578-380-04	–
	Curved up 15°	1.80	1.70	3.30	578-380-02	–
RONGEUR						
	Straight	3.50	–	3.20	578-725-00	577-725-00
BABY DUCKBILL						
	Straight	1.50	2.30	3.30	578-850-00	–
	Upbiter straight	1.50	2.30	3.30	578-850-10	–



GRASPERS WITH SLIDE LOCK HANDLE

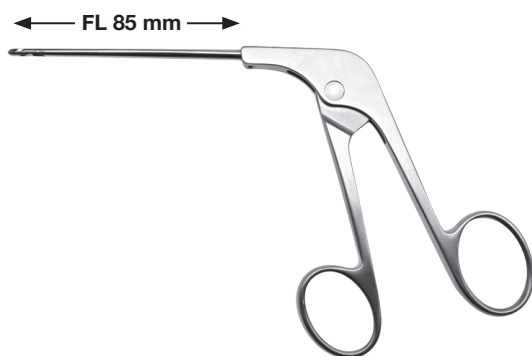
		Tip profile in mm	Tip width in mm	STELLA LOCK	STELLA LIGHT
GRASPER ALLIGATOR; MAXIMUM					
	Straight	3.20	3.80	578-720-00	-
	Curved up 15°	3.20	3.80	578-720-02	-
GRASPER ALLIGATOR; FINE					
	Straight; fine	2.90	2.70	578-715-00	-
	Curved up 15°; fine	2.90	2.70	578-715-02	-
GRASPER ALLIGATOR; FINE; UPBITER					
	Straight; fine	3.20	3.00	578-715-10	-
	Curved up 15°; fine	3.20	3.00	578-715-12	577-715-12
GRASPER; 1 x 2 TEETH					
	Straight; fine	4.00	4.00	578-710-00	-
GRASPER; CUPPED					
	Straight; Tip width small	2.70	2.70	578-730-00	-
	Straight	3.40	3.40	578-735-00	-

STELLA
LOCK

MENISCUS GRASPING FORCEPS

	Straight; 1 x 2 teeth	573-300-10			
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► Punches & Graspers



WIDE PUNCH; SMALL JOINT

		Tip profile in mm	Bite width in mm	Tip width in mm	Art. No.
	Straight	1.60	2.30	3.30	578-990-00

BLUNT NOSE HOOK PUNCH ; SMALL JOINT

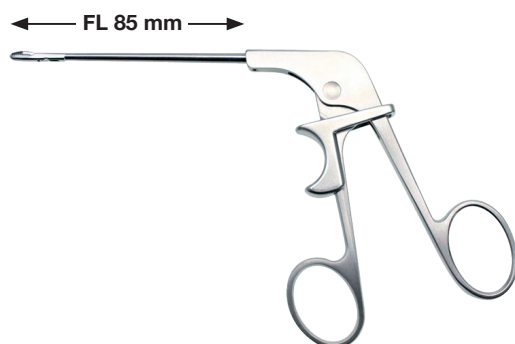
	Straight	1.90 mm	1.80 mm	3.80 mm	578-991-00
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OVAL PUNCH; SMALL JOINT

	Straight	1.60 mm	2.30 mm	3.60 mm	578-992-00
	Curved left 12°	1.60 mm	2.30 mm	3.60 mm	578-992-01
	Curved right 12°	1.60 mm	2.30 mm	3.60 mm	578-992-02

RONGEUR; SMALL JOINT

	Straight	1.90 mm			578-993-00
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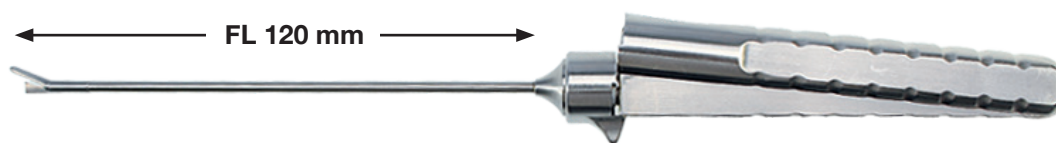


GRASPER ALLIGATOR; SMALL JOINT

		Tip profile in mm		Art. No.
	Straight	3.20 mm		578-994-00

GRASPER 1 X 2 TEETH ; SMALL JOINT

	Straight	3.70 mm		578-210-00
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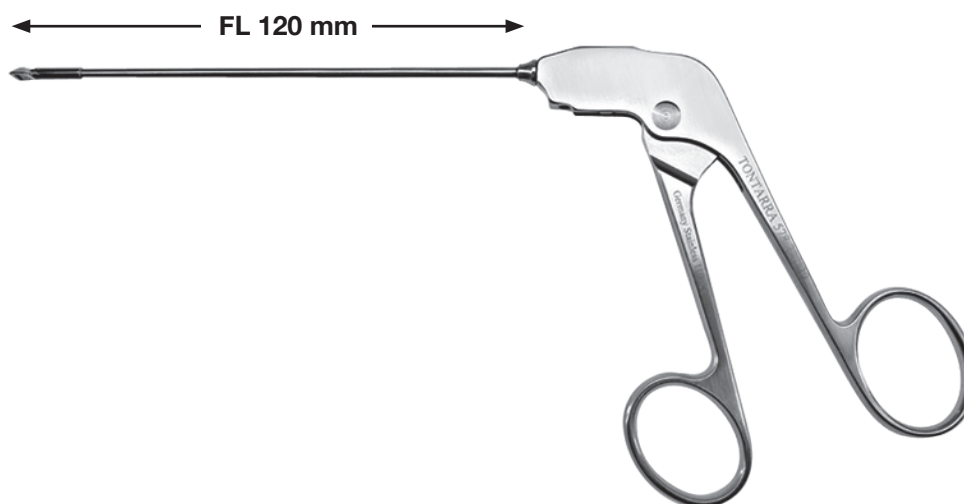
BASKET PUNCH 90°; Axial handle with locking

	90° jaw left	► Bite width 2.20 mm	578-810-30
	90° jaw right	► Bite width 2.20 mm	578-815-40
	90° jaw left	► Bite width 3.40 mm	578-820-30
	90° jaw right	► Bite width 3.40 mm	578-825-40

SCISSORS; Axial handle with locking

	20° scissors jaw left		578-910-30
	20° scissors jaw right		578-915-40
	20° serrated scissors jaw left		578-920-30
	20° serrated scissors jaw right		578-925-40
	60° scissors jaw left		578-930-30
	60° scissors jaw right		578-935-40

► Standard handle



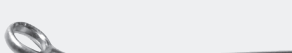
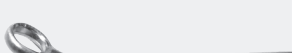
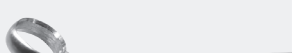
BASKET PUNCH 90°; Standard handle

	90° jaw left	► Bite width 2.20 mm	578-810-39
	90° jaw right	► Bite width 2.20 mm	578-815-49
	90° jaw left	► Bite width 3.40 mm	578-820-39
	90° jaw right	► Bite width 3.40 mm	578-825-49

SCISSORS; Standard handle

	20° scissors jaw left		578-910-39
	20° scissors jaw right		578-915-49
	20° serrated scissors jaw left		578-920-39
	20° serrated scissors jaw right		578-925-49
	60° scissors jaw left		578-930-39
	60° scissors jaw right		578-935-49

INSTRUMENTS INSERTS for adaptable handles

	Meniscus hook probe; pointed Insert only	573-100-05
	Meniscus hook probe; graduated; 2.5 mm Insert only	573-100-10
	Meniscus hook probe; graduated; 3.5 mm Insert only	573-100-15
	Meniscus hook probe; graduated; 5.0 mm Insert only	573-100-17
	Bayonet knife Insert only	573-100-20
	Scalpel knife Insert only	573-100-25
	SMILLIE meniscotome; 3.0 mm Insert only	573-100-30
	SMILLIE meniscotome; 5.0 mm Insert only	573-100-35
	SMILLIE meniscotome; 7.0 mm Insert only	573-100-40
	Ring curette; Ø 3.0 mm Insert only	573-100-45
	Ring curette; Ø 5.0 mm Insert only	573-100-47
	Ring curette; Ø 7.0 mm Insert only	573-100-50

INSTRUMENTS INSERTS for adaptable handles

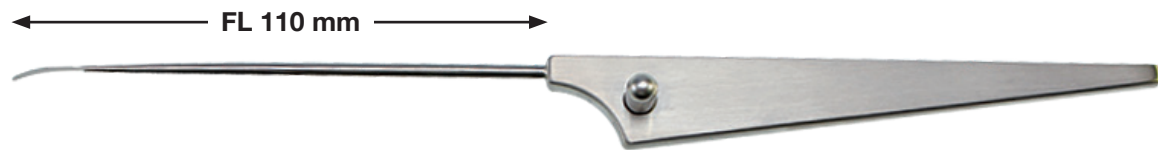
	Spoon; Ø 3.0 mm Insert only	573-100-55
	Banana knife, smooth Insert only	573-100-60
	Banana knife; toothed Insert only	573-100-65
	Hook knife; 3.0 mm Insert only	573-100-70
	Planing knife 45° Insert only	573-100-75
	Sickle knife Insert only	573-100-80
	Rosette knife Insert only	573-100-85
	Cartilage file; fine Insert only	573-100-90
	Cartilage file; rough Insert only	573-100-95


573-100-00

Handle only; length 125 mm

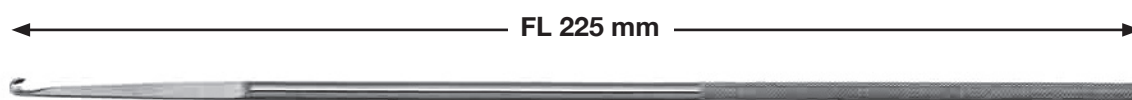


Example: Cartilage file; rough insert (572-100-95) & Handle (573-100-00)



INSTRUMENTS with triangular handles

	Meniscus probe; Ø 3.0 mm; graduated with triangular handle	573-200-10
	Meniscus probe; Ø 5.0 mm; graduated with triangular handle	573-200-15
	SMILLIE meniscotome; Ø 3.0 mm with triangular handle	573-200-30
	Ring curette; Ø 3.0 mm with triangular handle	573-200-40
	Ring curette; Ø 5.0 mm with triangular handle	573-200-42
	Ring curette; Ø 7.0 mm with triangular handle	573-200-45
	Spoon; Ø 3.0 mm with triangular handle	573-200-50
	Hook knife; 3.0 mm with triangular handle	573-200-60


INSTRUMENTS with knurled handles

	Meniscus hook probe; 4.0 mm with knurled handle	573-150-15
	Scalpel knife with knurled handle	573-150-25
	SMILLIE meniscotome; 3.0 mm with knurled handle	573-150-30
	Spoon 30° curved; Ø 3.0 mm with knurled handle	573-150-50
	Hook knife; 3.0 mm with knurled handle	573-150-60



trocar; pyramidal



obturator; blunt



579-260-00

Cannula Set for irrigation rinsing, only available as SET
Ø 3.2 mm; FL 70 mm; with stopcock and LUER LOCK

579-270-00

Cannula Set for irrigation rinsing, only available as SET
Ø 4.6 mm; FL 70 mm; with stopcock and LUER LOCK


283-035-04

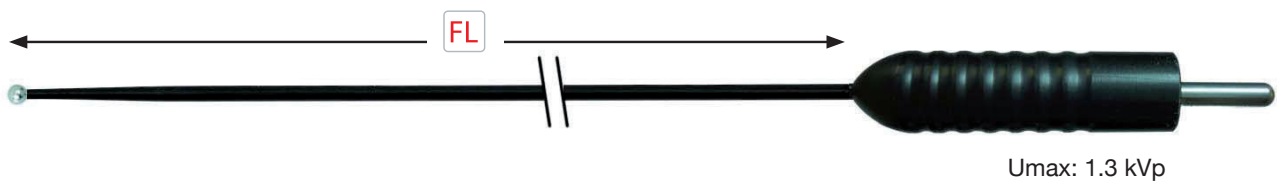
Hook electrode with handle; **90° angled**
Ø 0.6 x 1.5 mm; FL 115 mm
 5x reusable; autoclavable


283-040-04

Hook electrode with handle; **90° angled**
Ø 0.6 x 4.0 mm; FL 115 mm
 5x reusable; autoclavable


283-050-04

Hook electrode with handle; **90° angled**
Ø 1.5 x 4.0 mm; FL 115 mm
 5x reusable; autoclavable


283-055-04

Ball electrode with handle
Ø 3.0 mm; FL 115 mm
 5x reusable; autoclavable

Ø 4.0 mm Endoscopes



601-204-00HD

Arthroscope **HD+**; Ø 4.0 mm; **0°**; 175 mm; autoclavable



601-204-30HD

Arthroscope **HD+**; Ø 4.0 mm; **30°**; 175 mm; autoclavable



601-204-70HD

Arthroscope **HD+**; Ø 4.0 mm; **70°**; 175 mm; autoclavable



601-204-00HD2

Arthroscope **HD+2**; Ø 4.0 mm; **0°**; 175 mm; autoclavable



601-204-30HD2

Arthroscope **HD+2**; Ø 4.0 mm; **30°**; 175 mm; autoclavable



601-204-70HD2

Arthroscope **HD+2**; Ø 4.0 mm; **70°**; 175 mm; autoclavable

Ø 2.7 mm Endoscopes



601-203-00HD

Arthroscope **HD+**; Ø 2.7 mm; **0°**; 187 mm; autoclavable



601-203-30HD

Arthroscope **HD+**; Ø 2.7 mm; **30°**; 187 mm; autoclavable



601-203-70HD

Arthroscope **HD+**; Ø 2.7 mm; **70°**; 187 mm; autoclavable

Ø 2.7 mm Endoscopes



601-202-00

Arthroscope **HD**; Ø 2.7 mm; **0°**; **175 mm**; autoclavable



601-202-30

Arthroscope **HD**; Ø 2.7 mm; **30°**; **175 mm**; autoclavable



601-202-70

Arthroscope **HD**; Ø 2.7 mm; **70°**; **175 mm**; autoclavable



601-303-00

Arthroscope **HD**; Ø 2.7 mm; **0°**; **110 mm**; autoclavable



601-303-30

Arthroscope **HD**; Ø 2.7 mm; **30°**; **110 mm**; autoclavable



601-303-70

Arthroscope **HD**; Ø 2.7 mm; **70°**; **110 mm**; autoclavable



Ø 1.9 mm Endoscopes



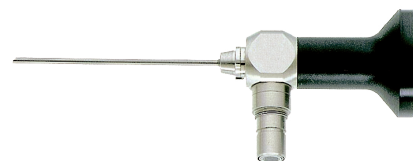
601-122-00HD

Arthroscope **HD+**; Ø1.9 mm; **0°**; 60 mm; autoclavable



601-122-30HD

Arthroscope **HD+**; Ø1.9 mm; **30°**; 60 mm; autoclavable



**Certain trocar sheaths and obturators are available upon request.
Please contact your sales representative.**

HF Connection Cables

monopolar

Available for following units:

		Erbe / ICC / ACC / Storz; Ø 5.0 mm; 3.0 m	582-531-02
		Valleylab; Conmed; Bowa Ø 8.0 mm; 3.0 m	582-532-03
		TONTARRA mod. PWT-400; Equipment with banana plug; Ø 4.0 mm; 3.0 m	582-533-04



289-010-10

Single-use neutral electrode; for adults and children;
split; Acond*= 110 cm²; 1 PU= 100 pieces



289-010-05

Single-use neutral electrode; for adults and children;
non-split; Acond*= 110 cm²; 1 PU= 100 pieces

HF Connection Cables

for Neutral Electrodes

Available for following units:

	 Ø 6.3 mm	TONTARRA mod. PWT-400; Erbe ACC/ICC/VIO; Martin; 5m	289-025-45
	 10 mm 2.5 mm	BOWA; Conmed; Valleylab 5m	289-030-45



289-200-05

Multiple-use neutral electrode; rubber; 260 x 150 mm; BOWA; Conmed; Martin; Valleylab



289-200-10

Multiple-use neutral electrode; rubber; 160 x 80 mm; BOWA; Conmed; Martin; Valleylab

HF Connection Cables
for Neutral Electrodes

Available for following units:

	Ø 6.3 mm	TONTARRA mod. PWT-400; Erbe ACC/ICC/VIO; Martin; 5m	289-210-45
	10 mm 2.5 mm	TONTARRA mod. PWT-400; BOWA; Conmed; Valleylab; 5m	289-215-45



289-100-05

Multiple-use neutral electrode; rubber; 260 x 150 mm; Erbe ACC/ICC; Erbe T-Series



289-100-10

Multiple-use neutral electrode; rubber; 160 x 80 mm; Erbe ACC/ICC; Erbe T-Series

HF Connection Cable
for Neutral Electrodes

Available for following units:

	Ø 6.3 mm	TONTARRA mod. PWT-400; Erbe ACC/ICC/VIO; Erbe T-Series; Martin; 5m	289-110-45
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TONTARRA High Performance Line (HP) is specially designed for use with **LED light sources**. Latest fiber technology provides an improved transmission rate, resulting in more light output.



Connectors

Projector-Side



540-890-02

Storz/Aesculap



540-890-10

Storz/Aesculap



540-890-14

Olympus new (switch)



540-890-04

Wolf



540-890-01

ACMI/British/Codman

Light Guide Cables

optimized for **LED**

540-822-18 Ø 2.5 mm, 1800 mm

540-822-23 Ø 2.5 mm, 2300 mm

540-822-30 Ø 2.5 mm, 3000 mm

540-822-50 Ø 2.5 mm, 5000 mm

540-823-18 Ø 3.5 mm, 1800 mm

540-823-23 Ø 3.5 mm, 2300 mm

540-823-30 Ø 3.5 mm, 3000 mm

540-823-50 Ø 3.5 mm, 5000 mm

540-824-18 Ø 4.9 mm, 1800 mm

540-824-23 Ø 4.9 mm, 2300 mm

540-824-30 Ø 4.9 mm, 3000 mm

540-824-50 Ø 4.9 mm, 5000 mm

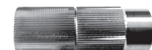
Connectors

Endoscope-Side



540-880-02

TONTARRA/Storz/
Aesculap/Olympus (old)



540-880-04

Olympus new



540-880-13

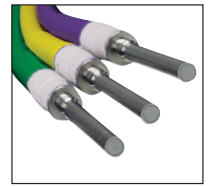
Wolf/HSW/Dyonics snap



540-880-01

ACMI/British/Codman

TONTARRA light guide cables come as standard in grey coloring. For ordering different colors, please add the corresponding code behind the article number:: LL (Lilac); YW (Yellow); GN (Green).



Fused fibers

Recommended Combination: Light Cable with Endoscope

Light Cable Diameter	Endoscope Diameter
4.8 - 5.0 mm	6.5 - 12.0 mm
3.0 - 3.5 mm	3.0 - 6.5 mm
2.0 - 2.5 mm	0.8 - 2.9 mm

Please note: The high light concentration at the end of the light cable causes heat to be generated in the focal point. The end of the light cable should never be placed on the patient's drape or skin as long as the cold light fountain is turned on as the light intensity may cause burns to the patient or set the drape on fire. The diameter indicated refers to the diameter of the fiber optics.

TONTARRA High Temperature Technology Line (HTT) is specially designed for use with **XENON light sources**. Compared to the Standard Line the HTT-Line has an higher transmission rate of approx. 20% due to the adhesive-free light entry area. These cables are specially assembled using high pressure and heat instead of glue.



Light Guide Cables (without connectors)

optimized for **XENON**

540-812-18	Ø 2.5 mm, 1800 mm
540-812-23	Ø 2.5 mm, 2300 mm
540-812-30	Ø 2.5 mm, 3000 mm
540-812-50	Ø 2.5 mm, 5000 mm
540-813-18	Ø 3.5 mm, 1800 mm
540-813-23	Ø 3.5 mm, 2300 mm
540-813-30	Ø 3.5 mm, 3000 mm
540-813-50	Ø 3.5 mm, 5000 mm
540-814-18	Ø 4.9 mm, 1800 mm
540-814-23	Ø 4.9 mm, 2300 mm
540-814-30	Ø 4.9 mm, 3000 mm
540-814-50	Ø 4.9 mm, 5000 mm



TONTARRA light guide cables come as standard in grey coloring. For ordering different colors, please add the corresponding code behind the article number:: LL (Lilac); YW (Yellow); GN (Green)

TONTARRA Standard Light Cables are specially designed for use with **HALOGEN light sources**. This line represents high quality, resistant but economic cables. These light cables may not be used with high energy output.



Light Guide Cables (without connectors)

optimized for **HALOGEN**

540-802-18	Ø 2.5 mm, 1800 mm
540-802-23	Ø 2.5 mm, 2300 mm
540-802-30	Ø 2.5 mm, 3000 mm
540-802-50	Ø 2.5 mm, 5000 mm
540-803-18	Ø 3.5 mm, 1800 mm
540-803-23	Ø 3.5 mm, 2300 mm
540-803-30	Ø 3.5 mm, 3000 mm
540-803-50	Ø 3.5 mm, 5000 mm
540-804-18	Ø 4.9 mm, 1800 mm
540-804-23	Ø 4.9 mm, 2300 mm
540-804-30	Ø 4.9 mm, 3000 mm
540-804-50	Ø 4.9 mm, 5000 mm

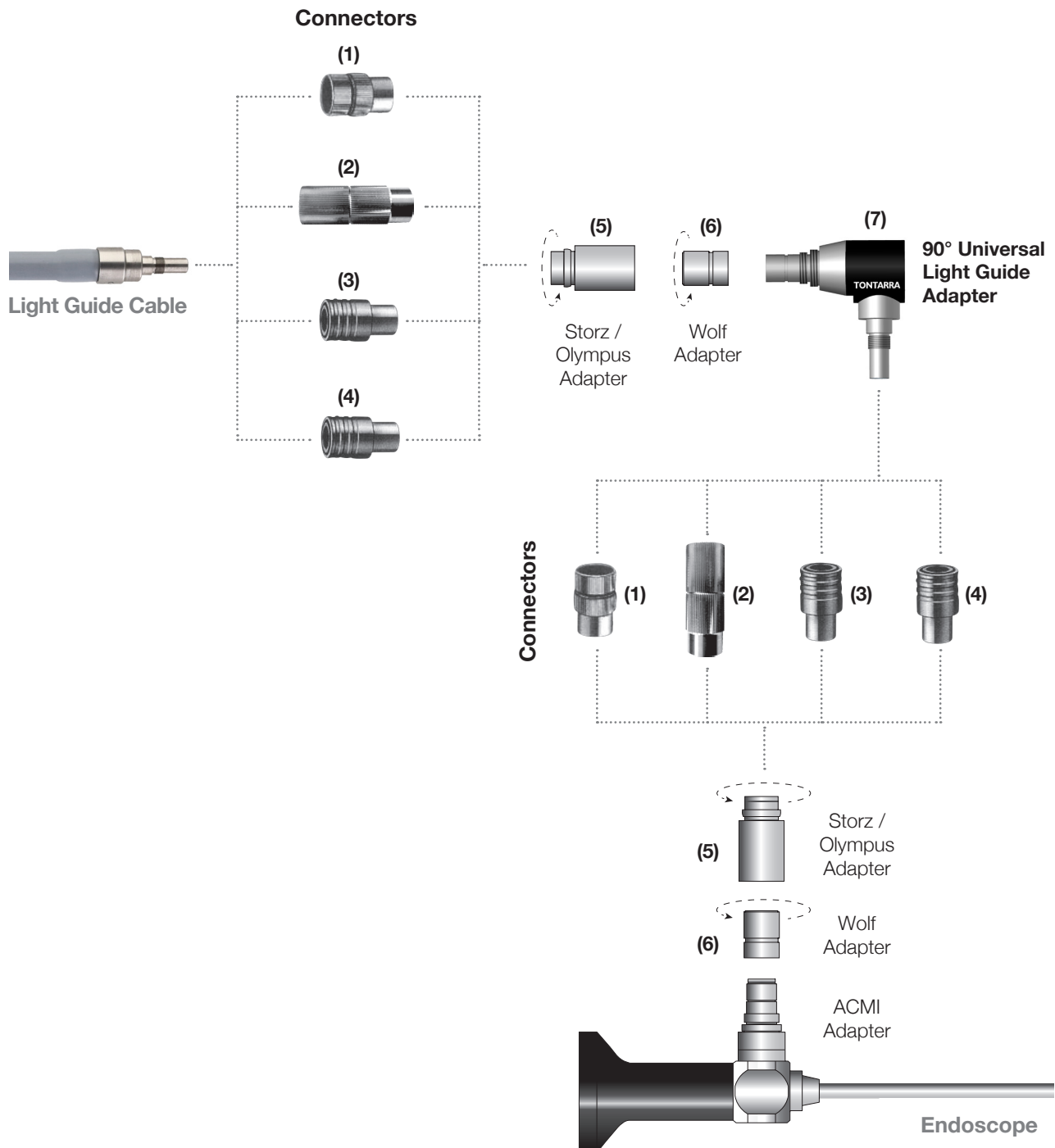


TONTARRA light guide cables come as standard in grey coloring. For ordering different colors, please add the corresponding code behind the article number:: LL (Lilac); YW (Yellow); GN (Green)

The **90° Universal Light Adapter** is the needed accessory in nearly every surgery. The adapter helps to keep the light cable out of the working field as well as prevents too intense bending of the light cable during the intervention.

Since it is freely rotatable the light cable will not accidentally be disconnected from the telescope while rotating the light cable or entire scope for new positioning.

This universal light adapter can be used with all kinds of endoscopes. Also, the connection to the light guide is versatile and fits most common light cable connectors.



LIGHT GUIDE CONNECTORS

(1)	540-880-02	Connector TONTARRA / Storz / Aesculap / Olympus (old)
(2)	540-880-04	Connector Olympus new
(3)	540-880-13	Connector Wolf/HSW/Dyonics snap
(4)	540-880-01	Connector ACMI / British / Codman

LIGHT GUIDE ADAPTERS

(5)	601-900-00	Adapter Storz / Olympus
(6)	601-900-10	Adapter Wolf

UNIVERSAL ADAPTER

(7)	601-900-15	Universal Adapter, 90° angled
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260-600-03Y

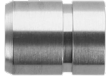
Optic wire basket with fixation **for 1 optic**
290 x 80 mm h: 52 mm



- 260-601-01Y** ● GREY
- 260-601-01Y** ● YELLOW
- 260-601-01Y** ● RED
- 260-601-01Y** ● BLUE
- 260-601-01Y** ● GREEN
- 260-601-01Y** ● BLACK

Optic container; complete; lid and bottom perforated;
275 x 70 mm h: 65 mm





601-900-10

Richard Wolf Light Guide Adapter for Endoscopes



601-900-00

TONTARRA / Karl Storz / Olympus Light Guide Adapter for Endoscopes



601-900-20

Endoscope Polishing Paste; Box of 5 pcs.

TONTARRA Medizintechnik GmbH is certified in accordance with the European Medical Device Regulation (EU) 2017/745 and complies with the requirements of the Medical Device Single Audit Program (MDSAP).

This certification affirms our commitment to quality and safety standards in the design, manufacturing and distribution of our medical devices. As a result, we are authorized to affix the CE mark to our products within the scope outlined in our certificates, which can be accessed on our official website. This achievement reflects our dedication to delivering high-quality, compliant medical devices to our customers and underscores our adherence to the rigorous standards set forth by regulatory authorities.

Sales and availability of products are limited to registrations in the corresponding markets.

The products listed in this catalog may only be used by trained healthcare professionals, evaluating the proper application in each patient case.

This content does not replace the instruction for use of the product.

Indications, contraindications and warnings are specified in the corresponding instructions for use.



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