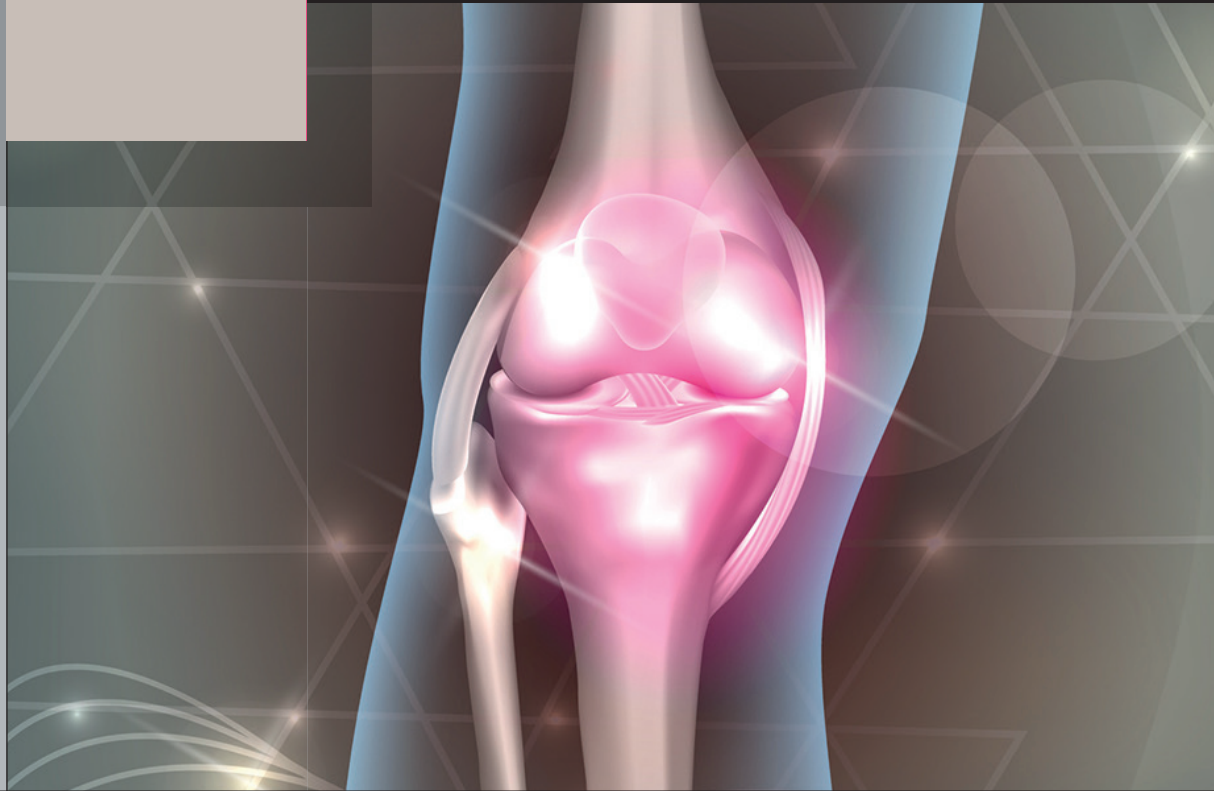


TONTARRA

ENDOSCOPY



ARTHROSCOPY

ABOUT US

For more than 50 years “made by TONTARRA, Germany” is a synonym for state-of-the-art surgical and endoscopic instruments and equipment.

This success and the international recognition of the skillfulness in surgical and endoscopic instrument making of Tontarra Medizintechnik GmbH are based on our commitment to medical innovation, mastery in manufacturing, and a strong focus on our continuing tradition of excellence.

The confidence in our surgical and endoscopic lines as expressed by our international customers, distribution- and OEM-partners are a driving force to face and meet new challenges.

TONTARRA



Indispensable ‘tools’ for maturing new ideas into high-precision surgical instruments of highest precision include our state-of-the-art manufacturing facility and production processes, and especially the comprehensive technical know-how, ingenuity and strong commitment of our entire team.



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ARTHROSCOPY PUNCHES



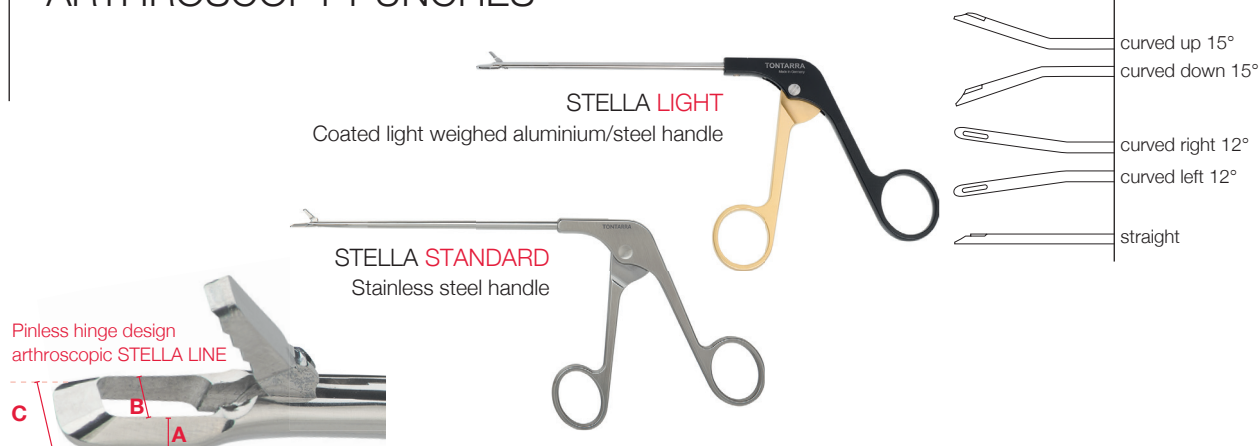
	Description	Tip profile in mm (A)	Bite width in mm (B)	Tip width in mm (C)	STELLA STANDARD	STELLA LIGHT
	WIDE PUNCH LOW PROFILE					
	Straight small	1.90	2.50	4.10	578-010-00	577-010-00
	Straight medium	1.90	3.20	5.00	578-020-00	577-020-00
	Straight large	1.90	4.50	6.10	578-021-00	–
	Curved left 12°; 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

ARTHROSCOPY PUNCHES



Description	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

ARTHROSCOPY PUNCHES



	Description	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	–

ARTHROSCOPY PUNCHES



Description	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	–



ARTHROSCOPY GRASPERS



GRASPERS WITH SLIDE LOCK HANDLE

Description	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	-	



GRASPING FORCEPS

Description	Art. No.	
MENISCUS GRASPING FORCEPS; STELLA LOCK		
Straight; 1 x 2 teeth	573-300-10	

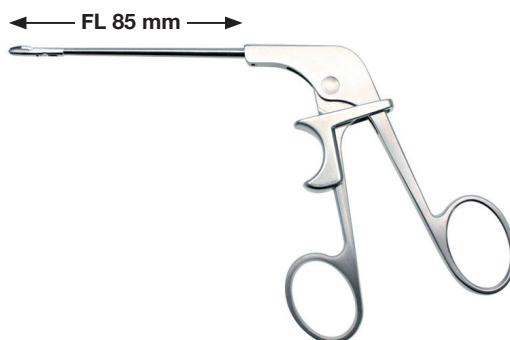


SMALL JOINT INSTRUMENTS

► Punches & Graspers



Description	Tip profile	Bite width	Tip width	Art. No.	
WIDE PUNCH; SMALL JOINT					
Straight	1.60 mm	2.30 mm	3.30 mm	578-990-00	
BLUNT NOSE HOOK PUNCH ; SMALL JOINT					
Straight	1.90 mm	1.80 mm	3.80 mm	578-991-00	
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	



Description	Tip profile		Art. No.	
GRASPER ALLIGATOR; SMALL JOINT				
Straight	3.20 mm		578-994-00	
GRASPER 1 X 2 TEETH ; SMALL JOINT				
Straight	3.70 mm		578-210-00	

RINSING CANNULAS



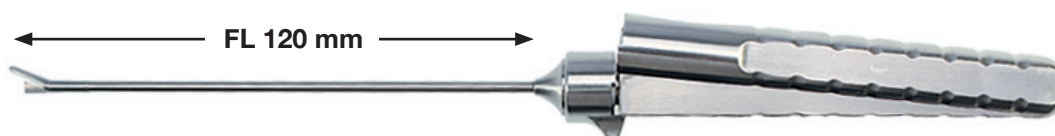
SETS CANNULA for irrigation rinsing

Description	Art. No.
Ø 3.2 mm; FL 70 mm; with stopcock and LUER LOCK ▶ only available as SET	579-260-00
Ø 4.5 mm; FL 70 mm; with stopcock and LUER LOCK ▶ only available as SET	579-270-00
trocar; pyramidal obturator; blunt	



INSTRUMENTS WITH ROTATING FUNCTION

- ▶ Axial handle



BASKET PUNCH 90°; Axial handle with locking

Description		Art. No.	
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	

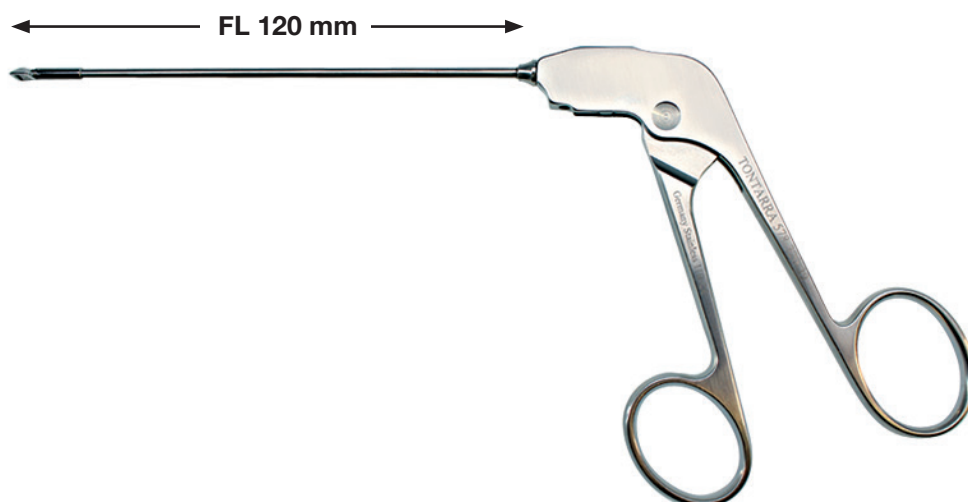
SCISSORS; Axial handle with locking

Description		Art. No.	
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	



INSTRUMENTS WITH ROTATING FUNCTION

- Standard handle



BASKET PUNCH 90°; Standard handle

Description		Art. No.	
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	

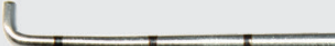
SCISSORS; Standard handle

Description		Art. No.	
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 FOR ADAPTABLE HANDLES

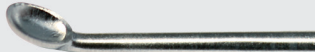
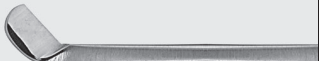
INSTRUMENTS INSERTS for adaptable handles

Description	Art. No.	
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	
Ring curette; Ø 3.0 mm Insert only	573-100-45	
Ring curette; Ø 7.0 mm Insert only	573-100-50	



INSTRUMENTS FOR ADAPTABLE HANDLES

INSTRUMENTS INSERTS for adaptable handles

Description	Art. No.	
Spoon; Ø 3.0 mm Insert only	573-100-55	
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	
Cartilage file; fine Insert only	573-100-90	
Cartilage file; rough Insert only	573-100-95	

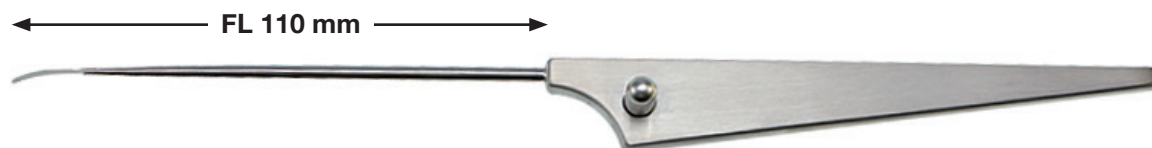
HANDLE

Description	Art. No.
Handle only; length 125 mm	573-100-00





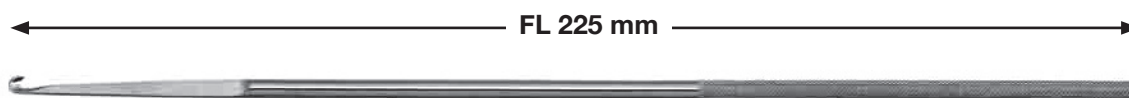
INSTRUMENTS WITH TRIANGULAR HANDLES



INSTRUMENTS with triangular handles

Description	Art. No.	
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



INSTRUMENTS with knurled handles

Description	Art. No.	
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	

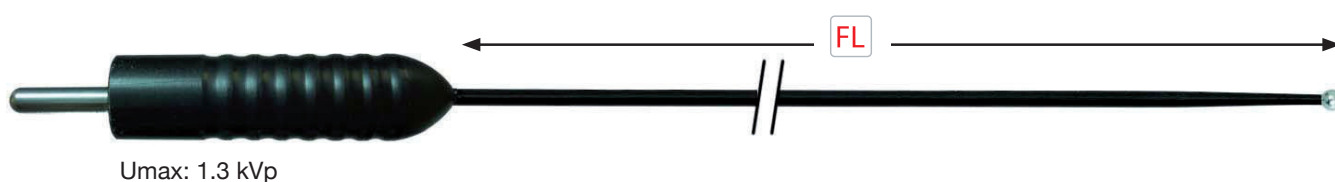
ARTHROSCOPIC ELECTRODES; MONOPOLAR



HOOK ELECTRODES Ø 4.0 mm ; 90° angled

► **monopolar**

Description	Art. No.	
Hook electrode with handle; 90° angled Ø 0.6 x 1.5 mm; FL 115 mm 5x reusable; autoclavable	283-035-04	
Hook electrode with handle; 90° angled Ø 0.6 x 4.0 mm; FL 115 mm 5x reusable; autoclavable	283-040-04	
Hook electrode with handle; 90° angled Ø 1.5 x 4.0 mm; FL 115 mm 5x reusable; autoclavable	283-050-04	



BALL ELECTRODES Ø 4.0 mm

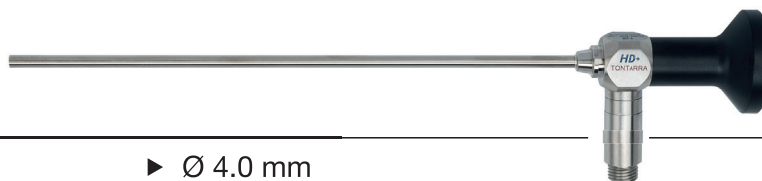
► **monopolar**

Description	Art. No.	
Ball electrode with handle Ø 3.0; FL 115 mm 5x reusable; autoclavable	283-055-04	



ARTHROSCOPY TELESCOPES HD, HD+, HD+2

- ▶ Ø 4.0 mm / Ø 2.7 mm
- ▶ Compatible with most instrument- and camera systems



ARTHROSCOPES [autoclavable]

▶ Ø 4.0 mm

Description	Art. No.	
Arthroscope HD+ ▶ Ø 4.0 mm; 30° FL 175 mm	601-204-30HD	
Arthroscope HD+2 ▶ Ø 4.0 mm; 30° FL 175 mm	601-204-30HD2	
Arthroscope HD+ ▶ Ø 4.0 mm; 70° FL 175 mm	601-204-70HD	
Arthroscope HD+2 ▶ Ø 4.0 mm; 70° FL 175 mm	601-204-70HD2	



ARTHROSCOPES [autoclavable]

▶ Ø 2.7 mm

Description	Art. No.	
Arthroscope HD+ ▶ Ø 2.7 mm; 30° FL 187 mm	601-203-30HD	
Arthroscope HD+ ▶ Ø 2.7 mm; 70° FL 187 mm	601-203-70HD	



ARTHROSCOPES [autoclavable]

▶ Ø 2.7 mm

Description	Art. No.	
Arthroscope HD ▶ Ø 2.7 mm; 0° FL 175 mm	601-202-00	
Arthroscope HD ▶ Ø 2.7 mm; 30° FL 175 mm	601-202-30	
Arthroscope HD ▶ Ø 2.7 mm; 70° FL 175 mm	601-202-70	
Arthroscope HD ▶ Ø 2.7 mm; 0° FL 110 mm	601-303-00	
Arthroscope HD ▶ Ø 2.7 mm; 30° FL 110 mm	601-303-30	
Arthroscope HD ▶ Ø 2.7 mm; 70° FL 110 mm	601-303-70	

Suitable shafts for the endoscopes can be obtained from:

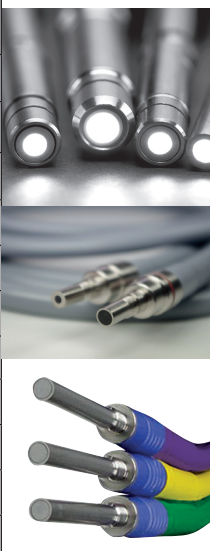
TROKAMED GmbH,
Kleine Breite 17, 78187 Geisingen
Germany
sales@trokamed.de

LIGHT GUIDE CABLES & CONNECTORS

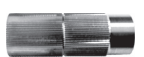


FIBER LIGHT GUIDE CABLES

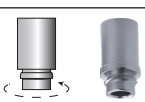
► Stability & resistance for a long life time

Description	Standard Cold Light Line	HTT High Temperature Technology Line	HP High Performance Line	
Cold light sources	HALOGEN Do not use with XENON or LED Light Source	for all cold light sources (excellent light transmission)		
		optimized for XENON	optimized for LED	
Sizes	Art. No.'s			
Ø 3.5 x 1800 mm Length	540-803-18	540-813-18	540-823-18	
Ø 3.5 x 2300 mm Length	540-803-23	540-813-23	540-823-23	
Ø 3.5 x 3000 mm Length	540-803-30	540-813-30	540-823-30	
Ø 3.5 x 5000 mm Length	540-803-50	540-813-50	540-823-50	
Ø 2.5 x 1800 mm Length		540-812-18	540-822-18	
Ø 2.5 x 2300 mm Length		540-812-23	540-822-23	
Ø 2.5 x 3000 mm Length		540-812-30	540-822-30	
Ø 2.5 x 5000 mm Length		540-812-50	540-822-50	
Tube colours The Standard colour is grey.	Only available in grey	● LL (Lilac) ● YW (Yellow) ● GN (Green) Colour Coding made easy: If you want to order one of the shown colours Lilac, Yellow or Green, please indicate the corresponding extensions shown in the column to the right (f.e. for a green cable add „GN“, the article number then reads 540-XXX-XXGN)		
Colour of introduction piece	Black	Blue	White	

LIGHT CABLE CONNECTORS

Projector-Side (light input)			Telescope-Side (light output)		
Storz/Aesculap	540-890-02		TONTARRA/Storz/Aesculap/Olympus (old)	540-880-02	
Olympus/ACMI	540-890-10				
Olympus new (switch)	540-890-14		Olympus new	540-880-04	
Wolf	540-890-04		Wolf/HSW/Dyonics snap	540-880-13	
ACMI/British/Codman	540-890-01		ACMI/British/Codman	540-880-01	

LIGHT GUIDE ADAPTERS [spare parts]

Description	Art. No.		Description	Art. No.	
RICHARD WOLF Light guide adapter	601-900-10		Universal Light guide adapter ► 90° angled	601-900-15	
STORZ/OLYMPUS Light guide adapter	601-900-00				



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