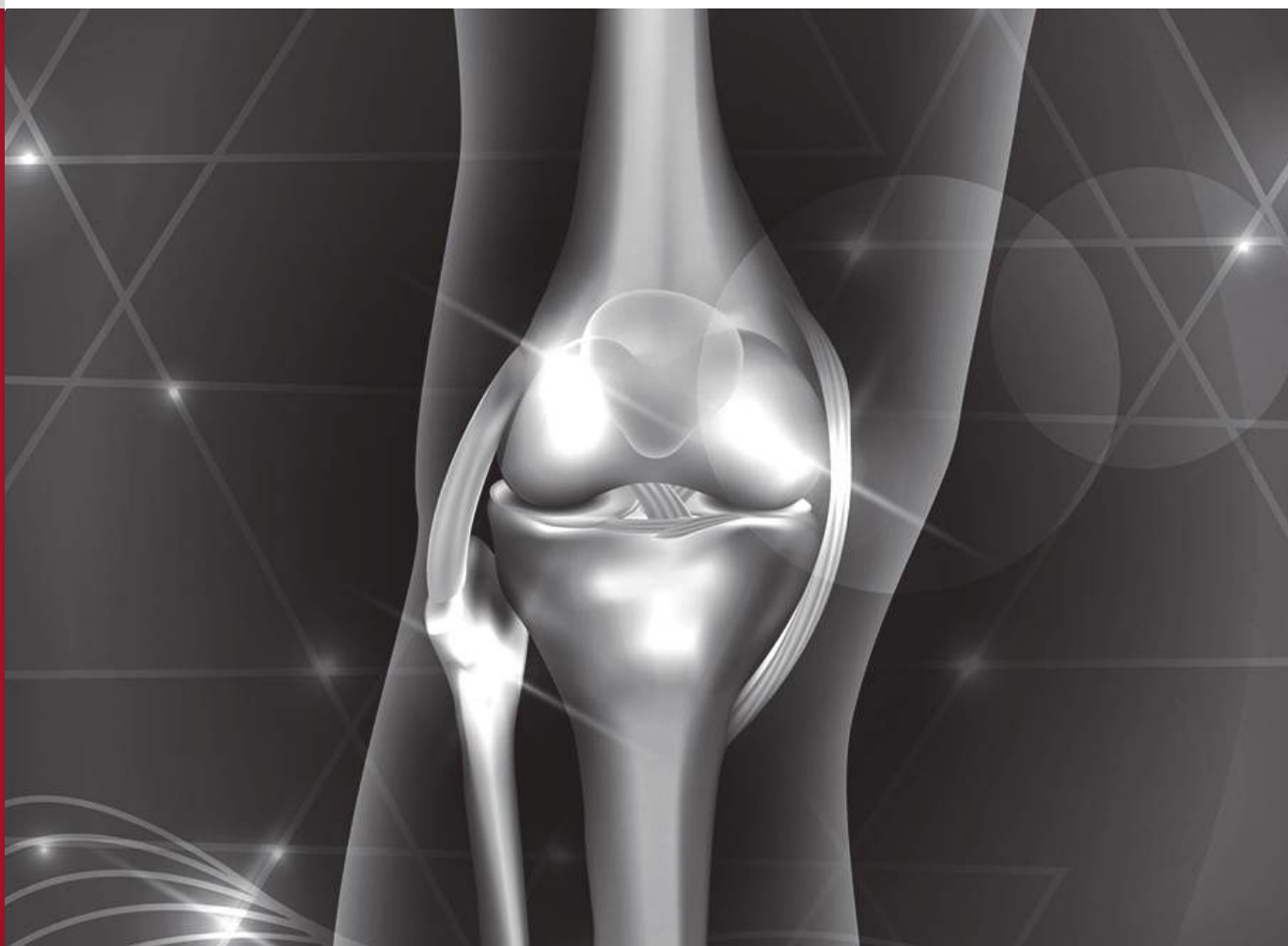


# TONTARRA

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 m<sup>2</sup>, 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

▶ <b>Punches &amp; graspers</b>	04 – 08
▶ <b>Small joint punches &amp; graspers</b>	09
▶ <b>Instruments with rotating function</b>	10 – 11
▶ <b>Instruments for adaptable handles</b>	12 – 13
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Pinless hinge design  
arthroscopic STELLA LINE



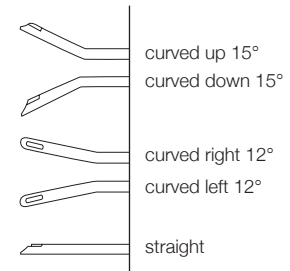
STELLA LIGHT  
Coated light weighed aluminium/steel handle



STELLA STANDARD  
Stainless steel handle



		Tip profile in mm (A)	Bite width in mm (B)	Tip width in mm (C)	STELLA STANDARD	STELLA LIGHT
<b>WIDE PUNCH LOW PROFILE</b>						
	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
<b>WIDE PUNCH LOW PROFILE; UPBITER</b>						
	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	-
<b>WIDE PUNCH STANDARD PROFILE</b>						
	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	-
<b>WIDE PUNCH STANDARD PROFILE; UPBITER</b>						
	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
<b>BASKET PUNCH POSTERIOR</b>						
	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
<b>BASKET PUNCH POSTERIOR; UPBITER</b>						
	Upbiter straight	2.50	2.20	4.00	578-385-10	577-385-10
<b>BASKET PUNCH SLIM</b>						
	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	-
<b>BASKET PUNCH SLIM; UPBITER</b>						
	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
<b>BASKET PUNCH SCOOP STYLE</b>						
	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
<b>BASKET PUNCH SCOOP STYLE; UPBITER</b>						
	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




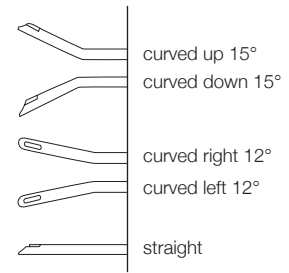
STELLA LIGHT  
Coated light weighed aluminium/steel handle



STELLA STANDARD  
Stainless steel handle



		Tip profile in mm (A)	Bite width in mm (B)	Tip width in mm (C)	STELLA STANDARD	STELLA LIGHT
<b>OVAL PUNCH</b>						
	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
<b>OVAL PUNCH; UPBITER</b>						
	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
<b>SCISSORS PUNCH</b>						
	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	-
<b>SCISSORS PUNCH; UPBITER</b>						
	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
<b>BACKBITER PUNCH</b>						
	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
<b>BASKET PUNCH WITH MENISCAL LIFT</b>						
	Straight	2.50	1.60	3.20	578-390-00	577-390-00
<b>BASKET PUNCH WITH MENISCAL LIFT; UPBITER</b>						
	Upbiter straight	2.50	1.60	3.20	578-395-10	577-395-10
<b>WIDE PUNCH WITH MENISCAL LIFT</b>						
	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
<b>HOOK PUNCH; BLUNT</b>						
	Straight	1.80	1.70	3.30	<b>578-380-00</b>	<b>577-380-00</b>
	Curved left 12°	1.80	1.70	3.30	<b>578-380-03</b>	–
	Curved right 12°	1.80	1.70	3.30	<b>578-380-04</b>	–
	Curved up 15°	1.80	1.70	3.30	<b>578-380-02</b>	–
<b>RONGEUR</b>						
	Straight	3.50	-	3.20	<b>578-725-00</b>	<b>577-725-00</b>
<b>BABY DUCKBILL</b>						
	Straight	1.50	2.30	3.30	<b>578-850-00</b>	–
	Upbiter straight	1.50	2.30	3.30	<b>578-850-10</b>	–



GRASPERS WITH SLIDE LOCK HANDLE

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



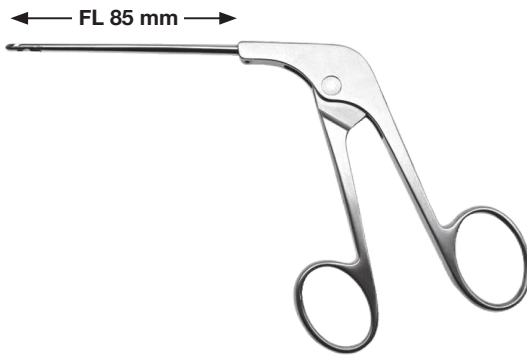
STELLA  
LOCK

**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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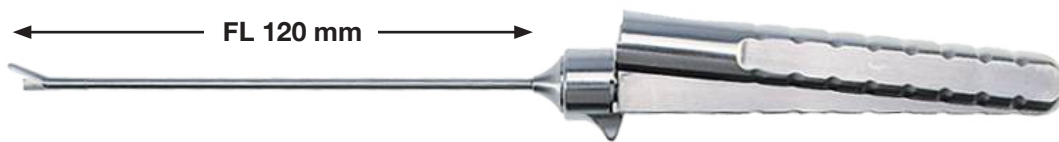
**GRASPER ALLIGATOR; SMALL JOINT**

		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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- ▶ Axial handle



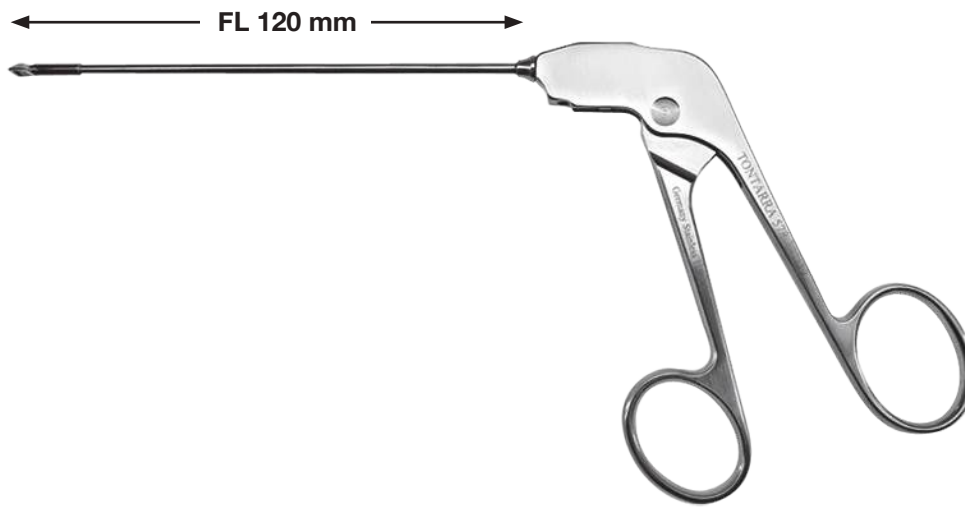
### BASKET PUNCH 90°; Axial handle with locking

	90° jaw left	▶ Bite width 2.20 mm	<b>578-810-30</b>
	90° jaw right	▶ Bite width 2.20 mm	<b>578-815-40</b>
	90° jaw left	▶ Bite width 3.40 mm	<b>578-820-30</b>
	90° jaw right	▶ Bite width 3.40 mm	<b>578-825-40</b>

### 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	<b>578-810-39</b>
	90° jaw right	▶ Bite width 2.20 mm	<b>578-815-49</b>
	90° jaw left	▶ Bite width 3.40 mm	<b>578-820-39</b>
	90° jaw right	▶ Bite width 3.40 mm	<b>578-825-49</b>









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

**INSTRUMENTS INSERTS for adaptable handles**

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

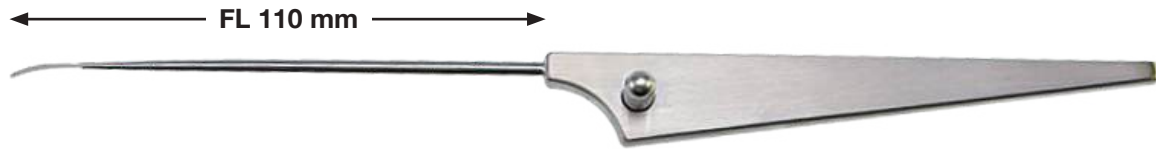


**573-100-00**



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



**INSTRUMENTS with knurled handles**

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



**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



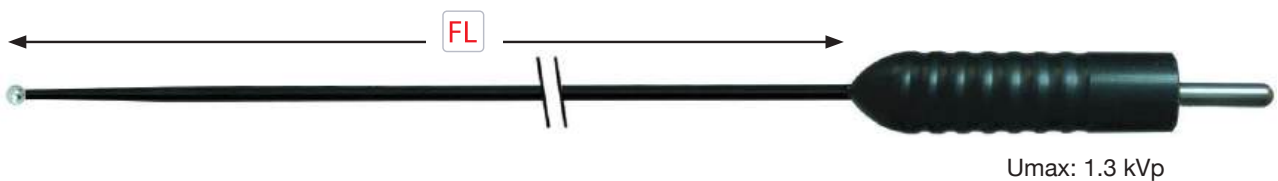
**283-040-04**

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	<b>582-531-02</b>
		Valleylab; Conmed; Bowa Ø 8.0 mm; 3.0 m	<b>582-532-03</b>
		TONTARRA mod. PWT-400; Equipment with banana plug; Ø 4.0 mm; 3.0 m	<b>582-533-04</b>



**289-010-10**

**Single-use** neutral electrode; for adults and children; split; Acond\* = 110 cm<sup>2</sup>; 1 PU = 100 pieces



**289-010-05**

**Single-use** neutral electrode; for adults and children; non-split; Acond\* = 110 cm<sup>2</sup>; 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	<b>289-025-45</b>
	10 mm 2.5 mm	BOWA; Conmed; Valleylab 5m	<b>289-030-45</b>



**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:

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



**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:

	<p>Ø 6.3 mm</p>	TONTARRA mod. PWT-400; Erbe ACC/ICC/VIO; Erbe T-Series; Martin; 5m	<b>289-110-45</b>
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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**

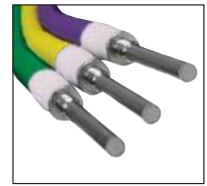
Wolf/HSW/Dyonics snap



**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**

<b>540-812-18</b>	Ø 2.5 mm, 1800 mm
<b>540-812-23</b>	Ø 2.5 mm, 2300 mm
<b>540-812-30</b>	Ø 2.5 mm, 3000 mm
<b>540-812-50</b>	Ø 2.5 mm, 5000 mm
<b>540-813-18</b>	Ø 3.5 mm, 1800 mm
<b>540-813-23</b>	Ø 3.5 mm, 2300 mm
<b>540-813-30</b>	Ø 3.5 mm, 3000 mm
<b>540-813-50</b>	Ø 3.5 mm, 5000 mm
<b>540-814-18</b>	Ø 4.9 mm, 1800 mm
<b>540-814-23</b>	Ø 4.9 mm, 2300 mm
<b>540-814-30</b>	Ø 4.9 mm, 3000 mm
<b>540-814-50</b>	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**

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

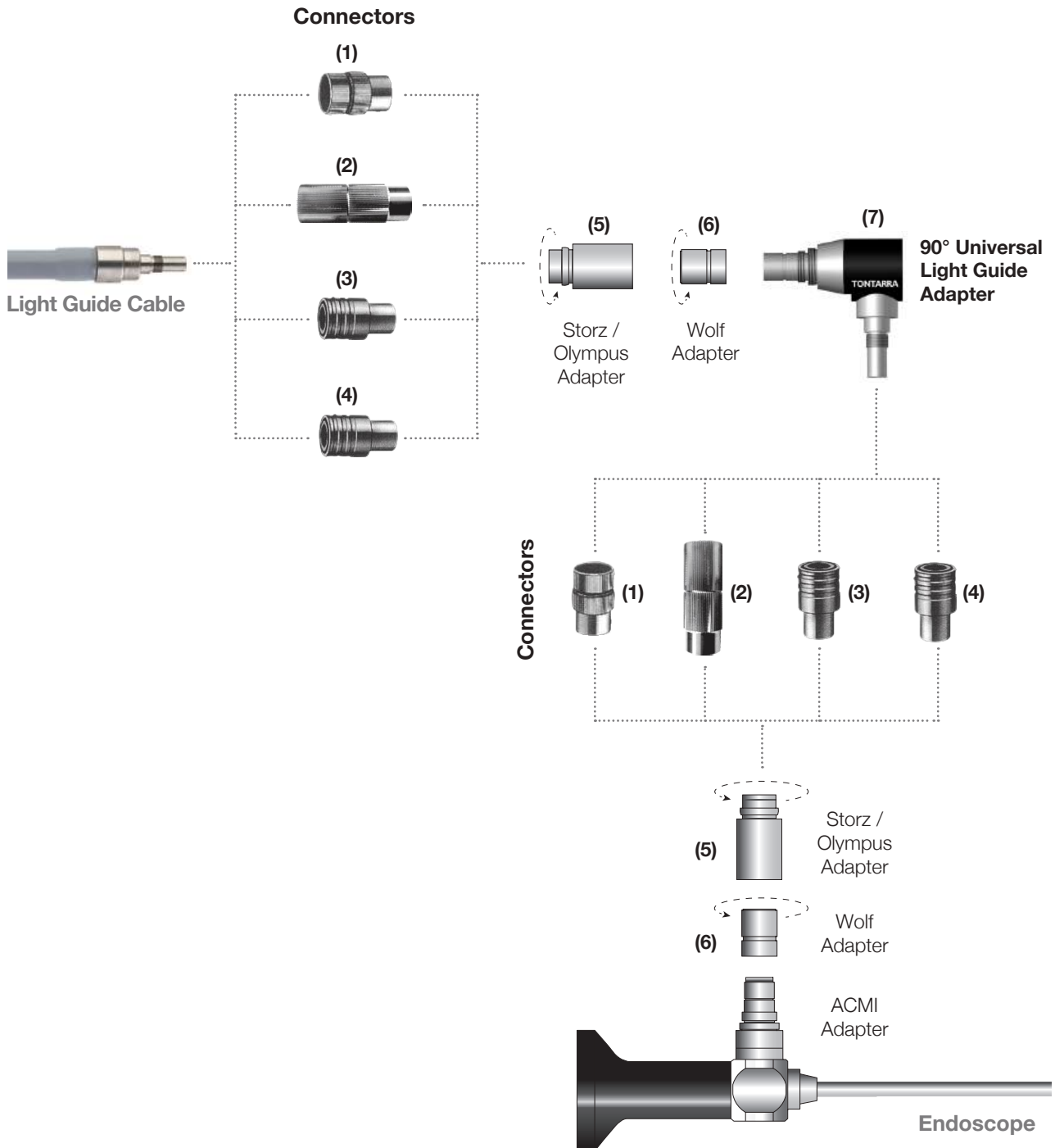


TONTARRA light guide cables come as standard in grey coloring. For ordering different colors, please add the corresponding code behind the article number:: LL (Lilac); YW (Yellow); GN (Green)

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**

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

**LIGHT GUIDE ADAPTERS**

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

**UNIVERSAL ADAPTER**

<b>(7)</b>	<b>601-900-15</b>	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**

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Richard Wolf Light Guide Adapter for Endoscopes



**601-900-00**

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TONTARRA / Karl Storz / Olympus Light Guide Adapter for Endoscopes



**601-900-20**

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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.

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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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