

Product (Hits: 1)

UNIDRIVE® S III ARTHRO SCB

28723001-1

28723001-1**28723020-1****20090170****400 A****UNIDRIVE® S III ARTHRO SCB,**

with color display, touch screen operation, two motor outputs, with integrated SCB module, power supply 100 – 120/230 – 240 VAC, 50/60 Hz consisting of:

28723020-1	UNIDRIVE® S III ARTHRO SCB
20090170	SCB Connecting Cable, length 100 cm
400 A	Mains Cord
96156018D	Instruction Manual

System requirements:

SCB control NEO System with installed SCB control NEO Software Release 20090001-44 or higher

Image View – 20090170

© KARL STORZ SE & Co. KG

Image View – 28723020-1

Close

28200 DX



DRILLCUT-X® ARTHRO Shaver Handpiece,
up to 8000 rpm, for use with UNIDRIVE® S III ARTHRO SCB, as of software status 1.10.

The shaver handpieces should NOT be treated with universal spray!



20016831

Two-Pedal Footswitch

Image View – 20016831



Close



UP210	ENDOMAT® SELECT , suction or irrigation pump, incl. mains cord, power supply 100-240 VAC, 50/60 Hz
UP601	SURGERY Software , license, allows selection of the procedures "LAP", "THOR" and "PROCTO"
UP602	HYSTEROSCOPY Software , license, allows selection of the procedure "HYS"
UP603	IBS® Shaver Software , license, allows selection of the procedure "IBS® Shaver"
UP604	UROLOGY Software , license, allows selection of the procedures "CYST", "PCN", "URS", "CALCUSON" and "RES"
UP605	ARTHROSCOPY Software , license, allows selection of the procedures "KNEE", "HIP", "SHOULDER" and "SMALL JOINTS"
UP606	ENT/NEURO Software , license, allows selection of the procedure "CLEARVISION®", for use with ENDOMAT® SELECT UP210
UP607	SPINE Software , license, allows selection of the procedures "LUMBAR" and "THORACIC"
UP610	ADVANCED Package , software, license, extends functions of installed software packages, for use with ENDOMAT® SELECT UP210

IMAGE 1 HUB™ HD, IMAGE1

Accessories



39301 Z3TS **Plastic Container for Sterilization and Storage** of camera heads **IMAGE1 H3-Z, H3-ZA and H3-FA, autoclavable**, suitable for use with steam, gas and hydrogen peroxide sterilization, Sterrad® compatible, external dimensions (w x d x h): 385 x 255 x 75 mm

Please note: The instrument displayed is not included in the plastic container.

Only camera heads marked “autoclave” can be placed in the tray for steam sterilization.



NEW **39301 PHTS** **Plastic Container for Sterilization and Storage** of camera heads **IMAGE1 H3-P and H3-ZI, autoclavable**, suitable for use with steam, gas and hydrogen peroxide sterilization, Sterrad® compatible, external dimensions (w x d x h): 385 x 255 x 75 mm

Please note: The instrument displayed is not included in the plastic container.

Only camera heads marked “autoclave” can be placed in the tray for steam sterilization.



39301 ACT **Plastic Container for Sterilization and Storage**, of camera heads **IMAGE1 P3, TRICAM® and TELECAM, autoclavable**, for use with steam, gas and plasma sterilization

Please note: The instrument displayed is not included in the plastic container.

Only camera heads marked “autoclave” can be placed in the tray for steam sterilization.

(not usable with IMAGE1 FULL HD camera heads)



20 0141 30 **One-Pedal Footswitch**, one-stage, for freeze frame or video recording in combination with IMAGE 1 HUB™ **22 2010 20-110/-112 and 22 2000 20-112**

20 2330 70 **Adaptor ACC 1**, for Footswitch **20 0141 30**




NEW **20 0402 81** **KARL STORZ USB Flash Drive, 4 GB**


CASSETTE TUBING SET for single use

The following tubing sets for the irrigation and suction of fluids are available for single use:




031523-10* **Tubing Set**, irrigation, PC¹, STERILE 
sterile, for single use, package of 10,
for use with HAMOU® ENDOMAT® 26331120 and
ENDOMAT® SELECT UP 210




031524-10* **Tubing Set**, irrigation, FC², STERILE 
sterile, for single use, package of 10,
for use with HAMOU® ENDOMAT® 26331120 and
ENDOMAT® SELECT UP210




030647-10* **Tubing Set**, suction, DS³, STERILE 
sterile, for single use, package of 10,
for use with ENDOMAT® SELECT UP210



031647-10* **Tubing Set**, suction, BS¹, STERILE 
sterile, for single use, package of 10,
for use with ENDOMAT® SELECT UP210



031529-10* **Tubing Set**, irrigation, CV⁵, STERILE 
sterile, for single use, package of 10,
for use with ENDOMAT® SELECT UP210




Note:

Reusable tubing sets are also available. If interested, please contact your KARL STORZ representative.


ONE-DAY USE

The following one-day tubing sets for the pressure- as well as flow-controlled irrigation of fluids are available:




031563-10* **One-Day Tubing Set**, irrigation, PC¹, STERILE 
sterile, package of 10, for use with
ENDOMAT® SELECT UP210 and
HAMOU® ENDOMAT® 26331120 in combination
with Patient Tube 031162-10



031564-10* **One-Day Tubing Set**, irrigation, FC², STERILE 
sterile, package of 10, for use with
ENDOMAT® SELECT UP210 and
HAMOU® ENDOMAT® 26331120 in combination
with Patient Tube 031162-10

Both one-day tubing sets require the following patient tubing set:



031162-10* **Patient Tube**, sterile, STERILE 
for single use, package of 10,
for use with Pump Tubing Day Sets 031563-10
and 031564-10

Explanation for the abbreviations used above:

¹ PC – Pressure-regulated irrigation

² FC – Flow-regulated irrigation

³ DS – Direct suction

⁴ BS – Suction via CALCUSON bottle

⁵ CV – CLEARVISION® irrigation



Suction and Irrigation Systems

ARTHROPUMP® SCB

Components / Spare parts

Catalog page

69330004-1 ARTHROPUMP® SCB

U 12

28330020-1 ARTHROPUMP® with KARL STORZ-SCB,
power supply 100 – 240 VAC, 50/60 Hz

400 A Mains Cord

031128-01* Tubing Set, for single use

20090170 SCB Connecting Cable, length 100 cm



28330020-1

Spare Parts



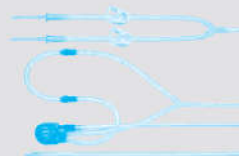
2027390
Mains Fuse,
T 1.0 A (SB),
package of 10

Components / Spare Parts

Catalog page

26330042 ARTHRO Tubing Set

U 12



Spare Parts



2719791
Pressure Dome ARTHRO,
without silicone tubing set



20330386
Pump Tubing ARTHRO,
without connectors,
package of 25

2720091
Silicone Tubing Set
ARTHRO, without
pressure dome



mtp medical technical promotion gmbh,
Take-Off GewerbePark 46, D-78579 Neuhausen ob Eck, Germany



Special Features:

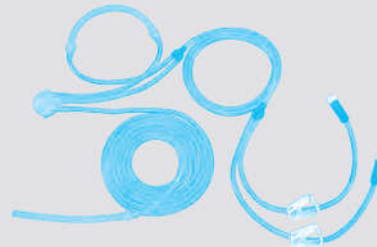
- Optical product matching thanks to color coding (white)



For use with UROMAT and UROPUMP



031128-10



031142-10





- 031128-10 **Tubing Set**, with two puncture cannulas, sterile, for single use, package of 10, for use with ARTHROPUMP® SCB, ARTHROPUMP® plus, UROMAT and UROPUMP
- 031142-10 **Tubing Set**, with two Care-Lock® connectors*, sterile, for single use, package of 10, for use with ARTHROPUMP® SCB, ARTHROPUMP® plus, UROMAT and UROPUMP

* Care-Lock® is a trademark of the company Fresenius Kabi Deutschland GmbH


Shaver Blades

for use with UNIDRIVE® S III ARTHRO SCB
for cutting and grinding

Working length 180 mm (recommended for soft tissue)

Type		For single use package of 6		Reusable single-packaged	Color Code
		STERILE 			
	Aggressive Cutter	<u>28208 BKS</u>	diameter 4.5 mm	–	green
	Aggressive Full Radius Resector	28208 DCS	diameter 4.5 mm	–	blue
	Curved Aggressive Full Radius Resector	28208 EHS	diameter 4.5 mm	–	light green

Working length 180 mm (recommended for bone)

	Semi Hooded Barrel Burr	28208 IDS	diameter 5.5 mm	–	pink
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Shaver Blades

for use with UNIDRIVE® S III ARTHRO SCB
for cutting and grinding

Working length 120 mm (recommended for soft tissue)

Type		For single use package of 6 <div>STERILE </div>		Reusable single-packaged		Color Code
	Aggressive Cutter	28205 ABS	Diameter 3.5 mm	28205 AB	Diameter 3.5 mm	green
		<u>28205 ACS</u>	Diameter 4.2 mm	28205 AC	Diameter 4.2 mm	
		28205 ADS	Diameter 5.5 mm	28205 AD	Diameter 5.5 mm	
	Aggressive Cutter	28205 AKS	Diameter 4.5 mm	28205 AK	Diameter 4.5 mm	green
	End Cutter	28205 BCS	Diameter 4.2 mm	28205 BC	Diameter 4.2 mm	red
	Full Radius Resector	28205 CBS	Diameter 3.5 mm	—	—	yellow
		<u>28205 CCS</u>	Diameter 4.2 mm	28205 CC	Diameter 4.2 mm	
		28205 CDS	Diameter 5.5 mm	—	—	
	Full Radius Resector	28205 CKS	Diameter 4.5 mm	28205 CK	Diameter 4.5 mm	yellow

MOTOR SYSTEMS



Shaver Blades

for use with UNIDRIVE® S III ARTHRO SCB
for cutting and grinding

Working length 120 mm (recommended for soft tissue)

Type	For single use package of 6 <div>STERILE </div>			Reusable single-packaged		Color Code
	Aggressive Full Radius Resector	28205 DBS	Diameter 3.5 mm	28205 DB	Diameter 3.5 mm	blue
		28205 DCS	Diameter 4.2 mm	28205 DC	Diameter 4.2 mm	
		28205 DDS	Diameter 5.5 mm	28205 DD	Diameter 5.5 mm	
	Aggressive Full Radius Resector	28205 DKS	Diameter 4.5 mm	28205 DK	Diameter 4.5 mm	blue
	Curved Full Radius Resector	28205 EGS	Diameter 4.2 mm	—	—	light blue
	Curved Aggressive Full Radius Resector	28205 EHS	Diameter 4.2 mm	—	—	light green

Nutzlänge 120 mm (recommended for soft tissue and bone)

	Pro Line Shaver Blades	<u>28205 MKS</u>	Diameter 4.5 mm	28205 MK	Diameter 4.5 mm	pink
		28205 MDS	Diameter 5.5 mm	—	—	
	Aggressive Pro Line Shaver Blades	<u>28205 NKS</u>	Diameter 4.5 mm	28205 NK	Diameter 4.5 mm	light blue
		28205 NDS	Diameter 5.5 mm	—	—	

Shaver Blades

for use with UNIDRIVE® S III ARTHRO SCB
for cutting and grinding

Working length 70 mm (recommended for soft tissue)

Type		For single use package of 6 		Reusable single-packaged		Color Code
	Aggressive Cutter	28206 AAS	Diameter 2.5 mm	—	—	green
		28206 ABS	Diameter 3.5 mm	—	—	
	Full Radius Resector	28206 CAS	Diameter 2.5 mm	—	—	yellow
		<u>28206 CBS</u>	Diameter 3.5 mm	—	—	
	Aggressive Full Radius Resector	28206 DAS	Diameter 2.5 mm	28206 DA	Diameter 2.5 mm	blue
		28206 DBS	Diameter 3.5 mm	28206 DB	Diameter 3.5 mm	

Working length 70 mm (recommended for bone)

	Small Joint Burr	28206 FAS	Diameter 2.5 mm	—	—	orange
		28206 FBS	Diameter 3.5 mm	—	—	



28 7210 36

28 7210 36 Multifunction Handpiece, for use with UNIDRIVE® S II ARTHRO SCB

Optional Accessories for Multifunction Handpiece 28 7210 36

- | | |
|-------------------|--|
| 28 7210 31 | Jacobs Chuck , up to diameter 4 mm |
| 28 7210 37 | Jacobs Chuck , up to diameter 6.5 mm |
| 28 7210 38 | Jacobs Chuck , keyless, up to diameter 7.4 mm, for use with Multifunction Handpiece 28 7210 36 |
| 28 7210 39 | Sagittal Saw Attachment , keyless, with tilt lever, for use with Multifunction Handpiece 28 7210 36 and Saw Blades 28207 SLA – SLH |
| 28 7210 33 | Pin Driver , for drilling wires diameter 1.5 – 3 mm |
| 28 7210 34 | Pin Driver , for Synthes attachments |
| 28 7210 71 | Connecting Cable , for FMS pump |

Saw Blades for Sagittal Saw Attachment see page U 28

Drills see pages 84, 90, 91, 103, 149 and 152



Diameter 4 mm, length 18 cm

Recommended in combination with IMAGE1 S™ (CLARA and CHROMA modes)

ENDOCAMELEON® ARTHRO is the newest member of the HOPKINS® family of rod-lens telescopes – and the most versatile. A simple turn of the adjusting knob enables the user to select the direction of view between 15° and 90°. This enables the surgeon to quickly and easily select the desired direction of view for optimal orientation and control. Consequently,

ENDOCAMELEON® ARTHRO is an excellent tool for diagnostic examinations. This can also eliminate the time-consuming switching between telescopes. ENDOCAMELEON® ARTHRO combines the user comfort of HOPKINS® telescopes with unprecedented versatility – in proven, high quality KARL STORZ style.



ENDOCAMELEON® telescope
with variable direction of view
– isometric view



28731 AE

28731 AE

ENDOCAMELEON® ARTHRO HOPKINS® Telescope, diameter 4 mm, length 18 cm, **autoclavable**, variable direction of view from 15° – 90°, adjustment knob for selecting the desired direction of view, fiber optic light transmission incorporated, color code: gold



28136 EC

28136 EC

Arthroscope Sheath ENDOCAMELEON®, with snap-in coupling mechanism, diameter 6 mm, working length 13.5 cm, distal end tapered, with irrigation holes, two stopcocks, **rotatable**, for use with ENDOCAMELEON® ARTHRO HOPKINS® Telescope 28731 AE and Obturator 28134 O with cannulated handle or Obturators 28126 BC/BT



The familiar ergonomics and handling of conventional telescopes is enhanced with the additional convenience of a variable direction of view.



The direction of view is adjusted by a mere turn of the adjusting knob at the proximal end of the ENDOCAMELEON® ARTHRO.

Container for the Sterilization and Storage of Telescopes see HYGIENE catalog

Components/Spare Parts see chapter 18

Fiber Optic Light Cables

for Cold Light Fountains



Fiber Optic Light Cable with Straight Connector

495 NE	Fiber Optic Light Cable , diameter 4.8 mm, length 300 cm
495 NCS	Fiber Optic Light Cable , extremely heat-resistant, diameter 4.8 mm, length 250 cm
NEW 495 NCSC	Fiber Optic Light Cable , extremely heat-resistant, with safety locking device, diameter 4.8 mm, length 250 cm
495 NB	Fiber Optic Light Cable , diameter 4.8 mm, length 180 cm
495 ND	Fiber Optic Light Cable , diameter 3.5 mm, length 300 cm
495 NA	Fiber Optic Light Cable , diameter 3.5 mm, length 230 cm
NEW 495 NAC	Fiber Optic Light Cable , with safety locking device, diameter 3.5 mm, length 230 cm
495 NL	Fiber Optic Light Cable , diameter 3.5 mm, length 180 cm
495 NTA	Fiber Optic Light Cable , diameter 2.5 mm, length 230 cm
495 NT	Fiber Optic Light Cable , diameter 2.5 mm, length 180 cm
NEW 495 TIP	Fiber Optic Light Cable , highly heat resistant, diameter 4.8 mm, length 300 cm, optimized for 3D TIPCAM®1 and TIPCAM®



Fiber Optic Light Cable with 90° Deflection to the Light Source

495 NWL	Fiber Optic Light Cable , with 90° deflection to the cold light fountain on the fountain side, diameter 3.5 mm, length 300 cm
495 NWM	Fiber Optic Light Cable , with 90° deflection to the cold light fountain on the fountain side, diameter 3.5 mm, length 230 cm
495 NW	Fiber Optic Light Cable , with 90° deflection to the cold light fountain on the fountain side, diameter 3.5 mm, length 180 cm
495 NTX	Fiber Optic Light Cable , with 90° deflection to the cold light fountain on the fountain side, diameter 2.5 mm, length 230 cm
495 NTW	Fiber Optic Light Cable , with 90° deflection to the cold light fountain on the fountain side, diameter 2.5 mm, length 180 cm



495 NVC



495 NV/NVL/NVB

Fiber Optic Light Cable with 90° Deflection to the Instrument

NEW 495 NVC	Fiber Optic Light Cable , with 90° deflection to the instrument, very narrow radius of curvature, diameter 4.8 mm, length 300 cm
495 NVB	Fiber Optic Light Cable , with 90° deflection to the instrument, diameter 4.8 mm, length 300 cm
495 NVL	Fiber Optic Light Cable , with 90° deflection to the instrument, diameter 3.5 mm, length 300 cm
495 NV	Fiber Optic Light Cable , with 90° deflection to the instrument, diameter 3.5 mm, length 230 cm



Light Adaptor, angled 90°

495 EW	Light Adaptor , angled 90°, diameter 4.8 mm, free rotatable, to connect with standard telescopes
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Adaptor for connecting KARL STORZ fiber optic light cables with endoscopes and light sources from other manufacturers, see page TP 132

Obturators and Changing Rods

For use with Arthroscope Sheaths 28136 DS/S

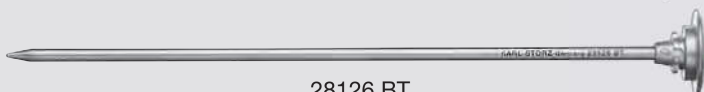


28136 BT

28136 BT **Obturator**, semisharp

28136 BC **Same**, blunt

For use with Arthroscope Sheaths 28229 DR, 28129 CR, 28126 CR/R/B, 28136 CR, 28135 CR and 28136 EC



28126 BT

28126 BT **Obturator**, semisharp

28126 BS **Same**, sharp

28126 BC **Same**, blunt



28134 O

28134 O **Obturator**, cannulated,
with handle, diameter 4.1 mm

For use with Arthroscope Sheaths 28131 CR/R, 28130 CR/R



28130 BT

28130 BT **Obturator**, semisharp

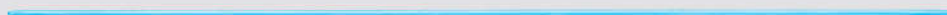
28130 BC **Same**, blunt



28140 O

28140 O **Obturator**, cannulated, with
handle, diameter 4.8 mm

For use with arthroscope sheaths that can be used with telescopes with diameter 4 mm



28124 BX

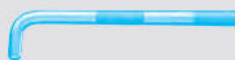
28124 BX **Changing Rod**, length 23 cm, for use with
arthroscope sheaths with inner diameter 4 mm

28270 W **Same**, length 35 cm

Components/Spare Parts see chapter 18



28140 T



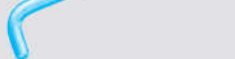
28140 T **Probe**, graduated, length of hook 3 mm, diameter 1.5 mm, working length 18 cm



28140 TL **Same**, working length 21.5 cm



28140 TA **Probe**, graduated, length of hook 3 mm, angled downwards 10°, diameter 1.5 mm, working length 20 cm



28140 TB **Probe**, graduated, length of hook 3 mm, angled downwards 20°, diameter 1.5 mm, working length 20 cm



28145 LH

28145 LH **Probe**, graduated, blunt, length of hook 5.5 mm, diameter 1.5 mm, working length 13 cm



28145 S

28145 S **Probe**, graduated, length of hook 2 mm, diameter 1.5 mm, working length 8.5 cm

28145 V **Same**, length of hook 4 mm

28145 W **Probe**, graduated, length of hook 4 mm, diameter 1.5 mm, working length 12 cm

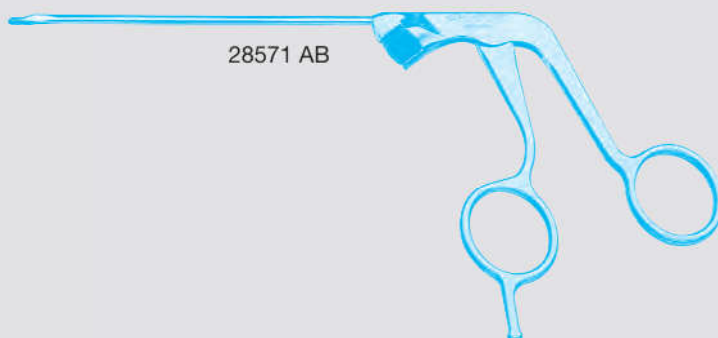
28270 T **Probe**, graduated, length of hook 2 mm, diameter 1.5 mm, working length 18 cm

28170 S **Probe**, working length 14 cm



28302 S

28302 S **Probe**, graduated, length of hook 1 mm, diameter 1 mm, working length 7.5 cm



28571 AB

Square jaws

Cross-toothed, cutting width 3.4 mm, sheath diameter 3.5 mm, working length 12 cm
(recommended for the knee and shoulder)



28571 AB

SILCUT® PRO Punch, through-cutting, cross-toothed, cutting width 3.4 mm, straight jaws, sheath diameter 3.5 mm, straight, handle with cleaning connector, working length 12 cm



28571 BB

SILCUT® PRO Punch, through-cutting, cross-toothed, cutting width 3.4 mm, jaws curved, 15° upwards, sheath diameter 3.5 mm, straight, handle with cleaning connector, working length 12 cm



28571 BBL
NEW

SILCUT® PRO Upbiter, through-cutting, cross-toothed, cutting width 3.4 mm, jaws curved, 15° upwards, sheath diameter 3.5 mm, curved 15° to left and 10° curved upwards, handle with cleaning connector, working length 12 cm



28571 BBR
NEW

Same, 15° to right

Cross-toothed, cutting width 2.7 mm, sheath diameter 3.5 mm, working length 12 cm
(recommended for the knee and shoulder)



28571 AC

SILCUT® PRO Punch, through-cutting, cross-toothed, cutting width 2.7 mm, straight jaws, sheath diameter 3.5 mm, straight, handle with cleaning connector, working length 12 cm



28571 BC

SILCUT® PRO Punch, through-cutting, cross-toothed, cutting width 2.7 mm, jaws curved, 15° upwards, sheath diameter 3.5 mm, straight, handle with cleaning connector, working length 12 cm

Container for Sterilization and Storage of Instruments see HYGIENE catalog
Components/Spare Parts see chapter 18



Special jaw design

Circumferential teeth, cutting width 5.8 mm, sheath diameter 3.5 mm, working length 12 cm
(recommended for the knee and shoulder)



28571 E

SILCUT® PRO Giga Punch, through-cutting, with circumferential teeth, cutting width 5.8 mm, straight jaws, sheath diameter 3.5 mm, straight, handle with connector for cleaning, working length 12 cm



28571 EU

SILCUT® PRO Giga Punch, through-cutting, with circumferential teeth, cutting width 5.8 mm, curved jaws, 15° upwards, sheath diameter 3.5 mm, straight, handle with cleaning connector, working length 12 cm

Circumferential teeth, cutting width 5 mm, sheath diameter 3.5 mm, working length 12 cm
(recommended for the knee and shoulder)



28571 S

SILCUT® PRO Square Punch, through-cutting, with circumferential teeth, cutting width 5 mm, rhombic jaws, sheath diameter 3.5 mm, straight, handle with cleaning connector, working length 12 cm



28571 SU

SILCUT® PRO Square Punch, through-cutting, with circumferential teeth, cutting width 5 mm, rhombic jaws, 15° upwards, sheath diameter 3.5 mm, straight, handle with cleaning connector, working length 12 cm

Circumferential teeth, cutting width 4.3 mm, sheath diameter 3.5 mm, working length 12 cm
(recommended for the knee and shoulder)



28571 CL

SILCUT® PRO Side Punch, through-cutting, with circumferential teeth, cutting width 4.3 mm, angled jaws, curved to left 45°, sheath diameter 3.5 mm, straight, handle with cleaning connector, working length 12 cm



28571 CLU

SILCUT® PRO Side Punch, through-cutting, with circumferential teeth, cutting width 4.3 mm, angled jaws, 15° upwards, left 45°, sheath diameter 3.5 mm, straight, handle with cleaning connector, working length 12 cm



28571 CR

SILCUT® PRO Side Punch, through-cutting, with circumferential teeth, cutting width 4.3 mm, angled jaws, curved to right 45°, sheath diameter 3.5 mm, straight, handle with cleaning connector, working length 12 cm



28571 CRU

SILCUT® PRO Side Punch, through-cutting, with circumferential teeth, cutting width 4.3 mm, angled jaws, 15° upwards, right 45°, sheath diameter 3.5 mm, straight, handle with cleaning connector, working length 12 cm

Scissors



28571 SP

SILCUT® PRO Scissors, straight jaws, sheath diameter 3.5 mm, straight, handle with cleaning connector, working length 14 cm

Container for Sterilization and Storage of Instruments see HYGIENE catalog

Components/Spare Parts see chapter 18



28572 AD

Square jaws

Cross-toothed, cutting width 2 mm, sheath diameter 2.5 mm, working length 8.5 cm



28572 AD

SILCUT® PRO Punch, through-cutting, cross-toothed, cutting width 2 mm, straight jaws, sheath diameter 2.5 mm, straight, handle with cleaning connector, working length 8.5 cm



28572 ADL
NEW

SILCUT® PRO Punch, through-cutting, cross-toothed, cutting width 2 mm, jaws curved to left 45°, sheath diameter 2.5 mm, straight, handle with cleaning connector, working length 8.5 cm



28572 ADR
NEW

Same, jaws curved to right 45°

Cross-toothed, cutting width 1 mm, sheath diameter 25 mm, working length 8.5 cm



28572 AE

SILCUT® PRO Punch, through-cutting, cross-toothed, cutting width 1 mm, straight jaws, sheath diameter 2.5 mm, straight, handle with cleaning connector, working length 8.5 cm

Oval jaws

Cross-toothed, cutting width 4,1 mm, sheath diameter 3.5 mm, working length 12 cm



28571 O

SILCUT® PRO Oval Biter, through-cutting, cross-toothed, cutting width 4.1 mm, straight jaws, sheath diameter 3.5 mm, straight, handle with cleaning connector, working length 12 cm

Components/Spare Parts see chapter 18



Special jaw design

Circumferential teeth, cutting width 5.8 mm, sheath diameter 3.5 mm, working length 12 cm
(recommended for the knee and shoulder)



28571 E

SILCUT® PRO Giga Punch, through-cutting, with circumferential teeth, cutting width 5.8 mm, straight jaws, sheath diameter 3.5 mm, straight, handle with connector for cleaning, working length 12 cm



28571 EU

SILCUT® PRO Giga Punch, through-cutting, with circumferential teeth, cutting width 5.8 mm, curved jaws, 15° upwards, sheath diameter 3.5 mm, straight, handle with cleaning connector, working length 12 cm

Circumferential teeth, cutting width 5 mm, sheath diameter 3.5 mm, working length 12 cm
(recommended for the knee and shoulder)



28571 S

SILCUT® PRO Square Punch, through-cutting, with circumferential teeth, cutting width 5 mm, rhombic jaws, sheath diameter 3.5 mm, straight, handle with cleaning connector, working length 12 cm



28571 SU

SILCUT® PRO Square Punch, through-cutting, with circumferential teeth, cutting width 5 mm, rhombic jaws, 15° upwards, sheath diameter 3.5 mm, straight, handle with cleaning connector, working length 12 cm

Circumferential teeth, cutting width 4.3 mm, sheath diameter 3.5 mm, working length 12 cm
(recommended for the knee and shoulder)



28571 CL

SILCUT® PRO Side Punch, through-cutting, with circumferential teeth, cutting width 4.3 mm, angled jaws, curved to left 45°, sheath diameter 3.5 mm, straight, handle with cleaning connector, working length 12 cm



28571 CLU

SILCUT® PRO Side Punch, through-cutting, with circumferential teeth, cutting width 4.3 mm, angled jaws, 15° upwards, left 45°, sheath diameter 3.5 mm, straight, handle with cleaning connector, working length 12 cm



28571 CR

SILCUT® PRO Side Punch, through-cutting, with circumferential teeth, cutting width 4.3 mm, angled jaws, curved to right 45°, sheath diameter 3.5 mm, straight, handle with cleaning connector, working length 12 cm



28571 CRU

SILCUT® PRO Side Punch, through-cutting, with circumferential teeth, cutting width 4.3 mm, angled jaws, 15° upwards, right 45°, sheath diameter 3.5 mm, straight, handle with cleaning connector, working length 12 cm

Scissors



28571 SP

SILCUT® PRO Scissors, straight jaws, sheath diameter 3.5 mm, straight, handle with cleaning connector, working length 14 cm

Container for Sterilization and Storage of Instruments see HYGIENE catalog

Components/Spare Parts see chapter 18



Cross-toothed, cutting width 2.7 mm, sheath diameter 3 mm, working length 12 cm (recommended for the knee)



28171 ACN **SILCUT® Punch**, through-cutting, cross-toothed, cutting width 2.7 mm, straight jaws, sheath diameter 3 mm, straight, handle with cleaning connector, working length 12 cm



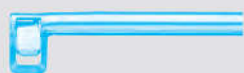
28171 BCN **SILCUT® Punch**, through-cutting, cross-toothed, cutting width 2.7 mm, jaws curved, 15° upwards, sheath diameter 3 mm, straight, handle with cleaning connector, working length 12 cm



28171 CCN **SILCUT® Punch**, through-cutting, cross-toothed, cutting width 2.7 mm, straight jaws, sheath diameter 3 mm, 30° curved to left, handle with cleaning connector, working length 12 cm



28171 DCN **SILCUT® Punch**, through-cutting, cross-toothed, cutting width 2.7 mm, straight jaws, sheath diameter 3 mm, 30° curved to right, handle with cleaning connector, working length 12 cm



28171 ECN **SILCUT® Punch**, through-cutting, cross-toothed, cutting width 2.7 mm, curved jaws, 90° left, sheath diameter 3 mm, straight, handle with cleaning connector, working length 12 cm



28171 FCN **SILCUT® Punch**, through-cutting, cross-toothed, cutting width 2.7 mm, curved jaws, 90° right, sheath diameter 3 mm, straight, handle with cleaning connector, working length 12 cm



28171 GCN **SILCUT® Punch**, through-cutting, cross-toothed, cutting width 2.7 mm, straight jaws, sheath diameter 3 mm, 15° curved upwards, handle with cleaning connector, working length 12 cm

Cross-toothed, cutting width 1.5 mm, sheath diameter 3 mm, working length 12 cm (recommended for the knee)



28171 ADN **SILCUT® Punch**, through-cutting, cross-toothed, cutting width 1.5 mm, straight jaws, sheath diameter 3 mm, straight, handle with cleaning connector, working length 12 cm



28171 BDN **SILCUT® Punch**, through-cutting, cross-toothed, cutting width 1.5 mm, jaws curved, 15° upwards, sheath diameter 3 mm, straight, handle with cleaning connector, working length 12 cm

Cutting width 0.5 mm, sheath diameter 3 mm, working length 12 cm (recommended for the knee)



28171 SPN **SILCUT® Punch**, through-cutting, cutting width 0.5 mm, straight jaws, sheath diameter 3 mm, straight, handle with cleaning connector, working length 12 cm



28171 SLN **SILCUT® Punch**, through-cutting, cutting width 0.5 mm, straight jaws, sheath diameter 3 mm, 10° curved to left, handle with cleaning connector, working length 12 cm

28171 SRN **SILCUT® Punch**, through-cutting, cutting width 0.5 mm, straight jaws, sheath diameter 3 mm, 10° curved to right, handle with cleaning connector, working length 12 cm

Container for Sterilization and Storage of Instruments see HYGIENE catalog

Components/Spare Parts see chapter 18



Oval jaws

Cross-toothed, cutting width 4.1 mm, sheath diameter 3 mm, working length 12 cm
(recommended for the knee)



28171 OAN **SILCUT® Oval Upbiter**, through-cutting, cross-toothed, cutting width 4.1 mm, jaws curved, 15° upwards, sheath diameter 3 mm, straight, handle with cleaning connector, working length 12 cm



28171 OUN **SILCUT® Oval Upbiter**, through-cutting, cross-toothed, cutting width 4.1 mm, jaws curved, 15° upwards, sheath diameter 3 mm, 15° curved upwards, handle with cleaning connector, working length 12 cm

Special jaw design

Cross-toothed, cutting width 3.4 mm, sheath diameter 3 mm, working length 12 cm
(recommended for the knee)



28171 SBN **SILCUT® Backbiter**, backward cutting, cross-toothed, cutting width 3.4 mm, straight jaws, sheath diameter 3 mm, straight, handle with cleaning connector, working length 12 cm

Container for Sterilization and Storage of Instruments see HYGIENE catalog
Components/Spare Parts see chapter 18

Models/ Модели/ 型号 28163xx, 30131, 33110xx, 33121, 33122, 33123, 33125x, 33127x, 33126, 3315x, 3313x, 3314x, 33161, 33200xx, 33210xx, 33250xx, 33300xx, 33310xx, 33400xx, 33410xx, 33500xx, 33510xx, 33600xx, 33610xx, 33700xx, 33710xx, 33810xx, 34110xx, 34210xx, 34250xx, 34310xx, 34410xx, 34510xx, 34710xx, 50220xx, 50221xx, 50222xx, 50235xx, 50236xx, 50510x

Symbol description

WARNING: Failure to observe may result in injury or even death.

CAUTION: Failure to observe may result in damage to or even destruction of the product.

NOTE: Special information on the operation of the instrument.

Refer to instruction manual

Manufacturer

Rx only Federal (USA) law restricts this device to sale by or on the order of a physician.

Пояснение символов

ПРЕДУПРЕЖДЕНИЕ: Несоблюдение может привести к травмированию или смерти.

ОСТОРОЖНО: Несоблюдение может привести к повреждению или поломке изделия.

УКАЗАНИЕ: Особые сведения по эксплуатации инструмента.

Соблюдайте руководство

Изготовитель

标志说明

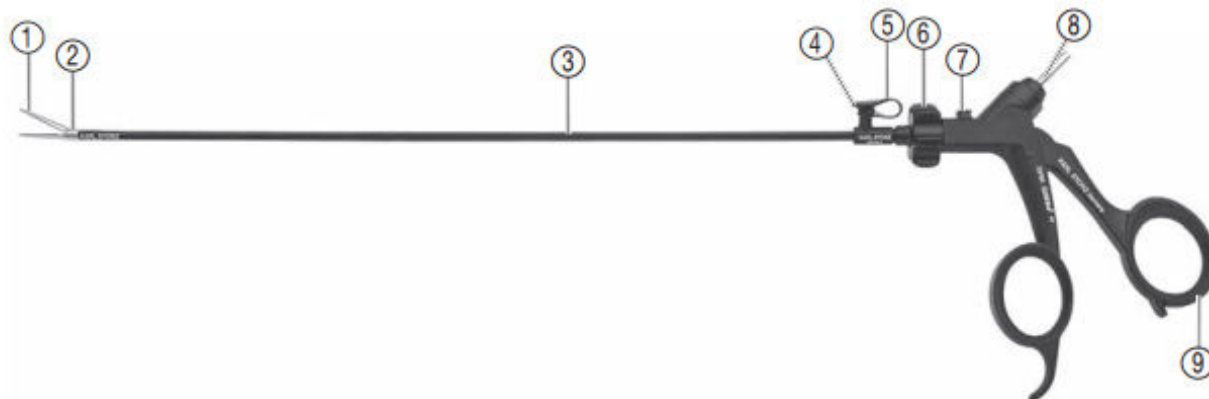
警告：不遵守会导致受伤或死亡。

小心：不遵守会导致产品受损或毁坏。

注：有关器械操作的特殊信息。

使用前请留意阅读随附资料

生产商



- ① Jaws
- ② Working Insert
- ③ Sheath tube
- ④ LUER-Lock port for irrigation
- ⑤ Cap for irrigation port (Art. No. 29100: pack of 10)
- ⑥ Wheel for turning the jaws
- ⑦ Locking button for releasing the working insert
- ⑧ High Frequency (HF) connection
- ⑨ Handle

- ① Бранши
- ② Рабочий элемент
- ③ Трубка тубуса
- ④ Разъем LUER-Lock для ирригации
- ⑤ Крышка на ирригационный разъем (№ изд. 8240990 или 29100: 10 шт. в упаковке)
- ⑥ Маховичок для вращения браншей
- ⑦ Блокирующая кнопка для отсоединения рабочего элемента
- ⑧ ВЧ-разъем
- ⑨ Рукоятка

- ① 钳口
- ② 操作内芯
- ③ 鞘管
- ④ LUER-Lock 冲洗接口
- ⑤ 冲洗接口胶皮帽 (产品编号 8240990 或 29100 : 一包 10 个)
- ⑥ 用于旋转钳口的转轮
- ⑦ 释放操作内芯的锁定按钮
- ⑧ 高频连接器
- ⑨ 手柄

1 Intended use

CLICKLINE scissors and forceps are used to dissect and grasp or cut, CLICKLINE curettes for dissection and preparation of soft tissue during endoscopic interventions. CLICKLINE scissors and forceps with an High Frequency (HF) connection are also used for monopolar coagulation of tissue or for coagulation of minor hemorrhages.

It is recommended to check the suitability of the product for the intended procedure prior to use.

2 Contraindications

Contraindications relating directly to the product are currently not known. Use of CLICKLINE scissors, forceps and curettes is considered to be contraindicated if such application would endanger the patient, e.g. due to the patient's general condition, or if the endoscopic method as such is contraindicated. CLICKLINE scissors and forceps must not be used for interventions on the central nervous system (CNS).

1 Целевое назначение

Щипцы и ножницы CLICKLINE применяются для препарирования, захвата и резания; кюретки CLICKLINE – для отделения и препарирования мягких тканей. Щипцы и ножницы CLICKLINE с ВЧ-разъемом могут дополнительно применяться для монополярной коагуляции тканей или для остановки малых кровотечений.

Перед использованием изделий рекомендуется проверить их на пригодность для предполагаемой операции.

2 Противопоказания

Противопоказания, которые относятся непосредственно к изделию, в настоящее время не известны. Применение щипцов, ножниц и кюреток CLICKLINE противопоказано, если по мнению ответственного врача такое применение сопряжено с опасностью для пациента, например, вследствие общего состояния пациента, или если пациенту противопоказан эндоскопический метод как таковой. Запрещается применять CLICKLINE щипцы и ножницы для проведения хирургических операций на ЦНС.

1 规定用途

CLICKLINE 剪刀和钳子用于在内窥镜介入期间进行剖开、夹住和切开，CLICKLINE 刮器用于软组织的解剖和切除。带有高频连接器的 CLICKLINE 剪刀和钳子也可用于单极电凝术或小出血的电凝止血。

建议使用之前，检查产品是否适用于要进行的手术。

2 禁忌症

与本产品直接相关的禁忌症目前尚不明确。如果主治医师认为，使用本器械会威胁患者的健康，例如患者病情不允许或者不能使用内镜治疗方式，则应避免使用 CLICKLINE 剪刀、钳子和刮匙。CLICKLINE 剪刀和钳子不得用于中枢神经系统手术。

Пояснение символов


ПРЕДУПРЕЖДЕНИЕ: Несоблюдение может привести к травмированию или смерти.



ОСТОРОЖНО: Несоблюдение может привести к повреждению или поломке изделия.



УКАЗАНИЕ: Особые сведения по эксплуатации инструмента.



Обратитесь к инструкции по применению



Изготовитель

标志说明


警告：不遵守会导致受伤或生命危险。



注意：不遵守会导致产品受损或毁坏。



提示：有关器械操作的特殊信息。



注意阅读使用手册



生产商

Sembollerin açıklanması


UYARI: Uyulmaması yaralanmalar veya ölümle sonuçlanabilir.



DİKKAT: Uyulmaması üründe hasara veya tahribe neden olabilir.



NOT: Enstrümanın kullanımı hakkında özel bilgiler.



Kullanma kılavuzunu dikkate alın



Üretici



- ① Рукоятка
② Расширитель без винтовой резьбы на конце
③ Расширитель с винтовой резьбой на конце

- ① 手柄
② 扩张器芯，无螺纹
③ 扩张器芯，带有螺纹

- ① Tutamak
② Vida eksiz dilatör eki
③ Vida eki ile dilatör eki

1 Номера по каталогу

Данная инструкция по эксплуатации действительна для следующих изделий:

- рукоятка 28279 HG
- расширители без винтовой резьбы на конце 28279 EA / ED / EW
- расширители с винтовой резьбой на конце 28180 EG / EW

Возможности комбинирования см. в главе 2.3.

2 Целевое назначение

Расширители (дилататоры) применяются для расширения рабочего канала в мягких тканях и/или кости в артроскопии и минимально инвазивной ортопедии. Рукоятки применяются в артроскопии и минимально инвазивной ортопедии для надежного удержания инструмента.

Расширители и рукоятки предназначены для временного применения при инвазивных хирургических вмешательствах.

2.1 Показания

- Артроскопия плечевого сустава

1 产品编号

本使用说明书适用如下产品:

- 手柄 28279 HG
- 无螺纹扩张器芯 28279 EA / ED / EW
- 带有螺纹的扩张器芯 28180 EG / EW

组合搭配参见第 2.3 章。

2 规定用途

扩张器用于在关节镜手术及骨科微创手术中，扩张软组织或骨骼。

手柄用于在关节镜手术及骨科微创手术中，准确安全地抓持器械。

仅限在外科侵入性手术中短暂（可连续使用不超过 60 分钟）使用扩张器和手柄。

2.1 指征

- 肩关节镜手术

1 Ürün numaraları

Bu kullanma Kılavuzu aşağıdaki modeller için geçerlidir:

- Tutamak 28279 HG
- Vida eksiz dilatör eki 28279 EA / ED / EW
- Vida ekli dilatör eki 28180 EG / EW

Kombinasyon olanakları Bölüm 2.3 bakınız.

2 Kullanım amacı

Dilatörler, artroskopide ve minimal invaziv ortopedilerde yumuşak doku ve/veya kemiğin dilatasyonu için kullanılır.

Tutamaklar artroskopide enstrümanların güvenli ve tutmak yerleşimini güvenli sağlamak içindir ve minimal invaziv ortopedide.

Dilatörler ve tutamaklar invazif cerrahide geçici kullanım için tasarlanmıştır.

2.1 Endikasyon

- Omuz artroskopisi

2.2 Противопоказания

Артроскопия плечевого сустава противопоказана, если, по мнению лечащего врача, пациенту противопоказан оперативный метод лечения или по причине общего состояния пациент не способен перенести операцию/наркоз, например, при нарушении свертывания крови, инфицировании области оперативного вмешательства или длительном приеме пациентом иммуносупрессивных препаратов.

2.2 禁忌症

如果主治医师认为不宜进行手术，或患者的身体状况不允许进行手术或麻醉等情况（例如：凝血障碍，手术部位感染或患者进行长期免疫抑制治疗），则严禁实施肩关节镜手术。

2.2 Kontrendikasyon

Omuz artroskopisi kullanılması sorumlu hekimin kanısına göre cerrahi yöntem kontrendike ise veya hastanın genel durumunun ameliyata yada cerrahi anesteziye yeterli değil ise örneğin Koagülasyon bozuklukları, cerrahi alanın enfeksiyonu veya hastanın sürekli immünosüpresif tedavisi kontrendikedir ve kesinlikle kullanımmamalıdır.

2.3 Возможности комбинирования

ПРЕДУПРЕЖДЕНИЕ: Использование несовместимых изделий может привести к травмированию пациента или повреждению изделий.

УКАЗАНИЕ: Соблюдайте инструкцию по эксплуатации канюлей троакара (97000287).

2.3 组合搭配

警告：使用非兼容设备可导致患者受伤或设备损坏。

提示：注意阅读穿刺套管使用说明书（97000287）。

2.3 Kombinasyon olanakları

UYARI: Uyumsuz ürünlerin kullanılması hastanın yaralanmasına veya ürünün hasar görmesine neden olabilir.

NOT: Trokar kılıflarının kullanma talimatlarını takip ediniz (97000287).

Рукоятка/ 手柄/ Tutamak	Стержень дилататора/ 扩张器芯/ Dilatör eki			Канюля троакара/ 穿刺套管/ Trokar Kılıfı			
№ по кат./ 产品编号 / Ürün No.	№ по кат./ 产品编号 / Ürün No.	Цветовой код/ 色标 / Renk kodu	Резьбовой наконечник/ 螺纹 / Vida eki	№ по кат./ 产品编号 / Ürün No.	Цветовой код/ 色标 / Renk kodu	Внутренний диаметр/ 内径 / İç çapı	Рабочая длина/ 工作长度 / Çalışma uzunluğu
28279 HG	28279 EA	синий/ 蓝色 / mavi	Нет/ 无 / Hayır	28279 TA	голубой/ 浅蓝色 / açık mavi	6,5 mm/ 6.5 mm/ 6,5 mm	70 mm/ 70 mm/ 70 mm
				28279 TB	темно-синий/ 深蓝色 / koyu mavi	6,5 mm/ 6.5 mm/ 6,5 mm	90 mm/ 90 mm/ 90 mm
	28279 ED	зеленый/ 绿色 / yeşil	Нет/ 无 / Hayır	28279 TC	светло-зеленый/ 浅绿色 / açık yeşil	8,5 mm/ 8.5 mm/ 8,5 mm	70 mm/ 70 mm/ 70 mm
				28279 TD	темно-зеленый/ 深绿色 / koyu yeşil	8,5 mm/ 8.5 mm/ 8,5 mm	90 mm/ 90 mm/ 90 mm
	28279 EW	красный/ 红色 / kırmızı	Нет/ 无 / Hayır	28279 TX	светло-красный/ 浅红色 / açık kırmızı	9,5 mm/ 9.5 mm/ 9,5 mm	70 mm/ 70 mm/ 70 mm
				28279 TW	темно-красный/ 深红色 / koyu kırmızı	9,5 mm/ 9.5 mm/ 9,5 mm	90 mm/ 90 mm/ 90 mm
	28180 EG	светло-желтый/ 浅黄色 / açık sarı	Да/ 有 / evet	28180 GTS	светло-желтый/ 浅黄色 / açık sarı	8,25 mm/ 8.25 mm/ 8,25 mm	70 mm/ 70 mm/ 70 mm
	28180 EW	темно-желтый/ 深黄色 / koyu sarı	Да/ 有 / evet	28180 GWS	темно-желтый/ 深黄色 / koyu sarı	9,5 mm/ 9.5 mm/ 9,5 mm	70 mm/ 70 mm/ 70 mm

Instruments for the All-Inside Suture

Meniscus Suture for the Posterior Horn area of the Lateral and Medial Meniscus

This meniscus suture set was specially developed for use with all-inside suture on the posterior horn area of the lateral and medial meniscus. A fundamental advantage of this suture set lies in the simple thread

release. After passing through the tip of the suture hooks and advancing the thread, the latter appears inside the joint. The thread may now be easily pulled out of the joint with the grasping forceps.



28179 HG

28179 HG

Handle, for use with monofilament threads size USP 2-0 to 2, for use with Suture Attachments 28179 PA – PH, 28728 NA – NG, Wheel Attachment 28179 HR and Wheel 28179 R



28179 HR/R

28179 HR

Wheel Attachment, for use with monofilament threads size USP 2-0 to 2, for use with Handle 28179 HG and Wheel 28179 R

28179 R

Wheel, for use with monofilament threads size USP 2-0 to 2, for use with Wheel Attachment 28179 HR

SHOULDER PRO® Suture System



28179 PA



28179 PA

SHOULDER PRO® Suture Attachment, distal tip curved upwards, straight, 5 mm in height, working length 15 cm, for use with Handle 28179 HG



28179 PB

Same, 7 mm in height



28179 PC

Same, 8 mm in height



28179 PD

Same, hook-shaped distal tip curved upwards, 8 mm in height



28179 PE

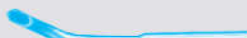


28179 PE

SHOULDER PRO® Suture Attachment, hook-shaped distal tip curved upwards, straight, 8.7 mm in height, working length 15 cm, for use with Handle 28179 HG

28179 PF

Same, 10 mm in height



28179 PG

SHOULDER PRO® Suture Attachment, distal tip angled 30° to right, straight, 8 mm in height, working length 15 cm, for use with Handle 28179 HG



28179 PH

Same, angled 30° to left



28179 R1

Cleaning Adaptor, for use with Suture Attachments 28179 PA – PH and 28728 NA – NG



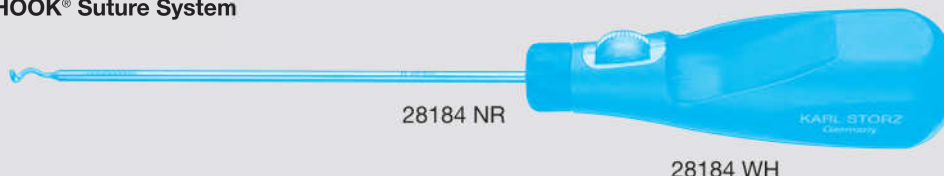
28179 R2

Cleaning Adaptor, for use with Handle 28179 HG

Shoulder

Instruments for Shoulder Arthroscopy

WONDERHOOK® Suture System



28184 WH

WONDERHOOK® Handle, complete, for transporting monofilament threads up to size USP 1 including:
Transport Cassette



28184 NR



28184 NG

WONDERHOOK® Suture Attachment, for use with monofilament threads up to size USP 1, straight, length of distal end 3.5 cm, working length 15 cm, for use with Handle 28184 WH, color code: blue

28184 NGL

Same, length of distal end 5 cm, long



28184 NA

WONDERHOOK® Suture Attachment, for use with monofilament threads up to size USP 1, distal tip slightly curved upwards, working length 15 cm, for use with Handle 28184 WH, color code: gold



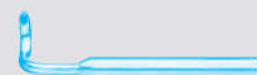
28184 MR

WONDERHOOK® Suture Attachment, for use with monofilament threads up to size USP 1, distal tip curved 25° right, working length 15 cm, for use with Handle 28184 WH, color code: green



28184 ML

Same, distal tip curved 25° left



28184 NR

WONDERHOOK® Suture Attachment, for use with monofilament threads up to size USP 1, distally strongly curved to right, working length 15 cm, for use with Handle 28184 WH, color code: red



28184 NL

Same, distally strongly curved to left



28184 RA

28184 RA

Cleaning Adaptor, for use with WONDERHOOK® Suture Attachments 28184 ML/MR/NG/NGL/NA/NR/NL

Components/Spare Parts see chapter 18

Shoulder

Instruments for Shoulder Arthroscopy



SNAPPER® SHOULDER PRO® Suture Forceps



28180 GCN



28180 GAN

SNAPPER® SHOULDER PRO® Suture Forceps, for punching soft tissue and suture management in shoulder arthroscopy, sheath diameter 3.5 mm, curved upwards, handle with cleaning connector, working length 15 cm, color code: black



28180 GCN

Same, straight, color code: blue



28180 GLN

Same, curved to left, also curved to left in sheath, color code: red



28180 GRN

Same, curved to right, also curved to right in sheath, color code: green



28180 GRGN

Same, retrograde opening, also curved upwards in sheath, color code: white

Container for Sterilization and Storage of Instruments see HYGIENE catalog
Components/Spare Parts see chapter 18

Shoulder

Instruments for Shoulder Arthroscopy



2870356 SC



2870356 SC **Suture Cutter**, for cutting sutures up to size USP 2, working length 15 cm



28179 I



28179 I **Thread Catcher**, working length 15 cm



28179 KP



28179 KP **Knot Pusher**, for sutures up to size USP 2, working length 18 cm



2870356 KP



2870356 KP **Knot Pusher and Suture Cutter**, for cutting sutures up to size USP 2, working length 15 cm including:
Insert and Blade
Handle

Components/Spare Parts see chapter 18

Shoulder

Portal Systems for Shoulder Arthroscopy

HALF PIPE®

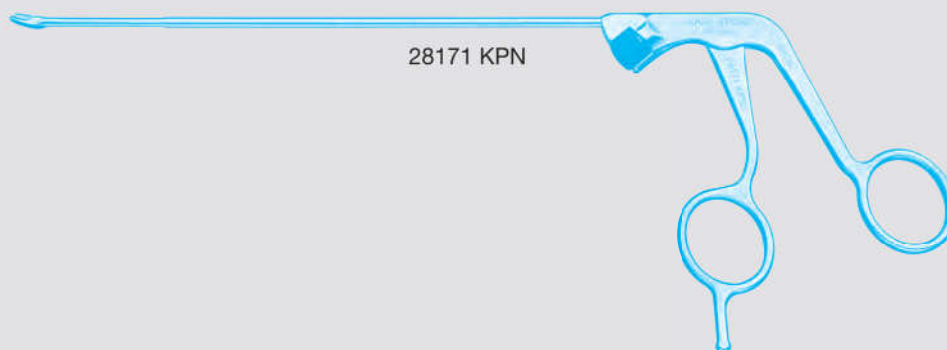


- | | |
|----------|---|
| 28179 GH | HALF PIPE® , long, working length 95 mm,
for use with Obturator 28179 OB |
| 28179 GK | HALF PIPE® , short, working length 80 mm,
for use with Obturator 28179 OB |
| 28179 OB | Obturator , for use with
HALF PIPE® 28179 GH/GK |

HALF PIPE® for Hip Arthroscopy see page 158 and for **Knee Arthroscopy** see pages 88 and 125

Shoulder

Instruments for Shoulder Arthroscopy



28171 KPN



28171 KPN **SILCUT® Punch**, through-cutting, cross-toothed, cutting width 3.4 mm, jaws curved, 15° upwards, sheath diameter 3 mm, straight, handle with cleaning connector, working length 19 cm



28171 KUN **SILCUT® Punch**, through-cutting, cross-toothed, cutting width 3.4 mm, straight jaws, sheath diameter 3 mm, 15° curved upwards, handle with cleaning connector, working length 19 cm



28171 KGN **SILGRASP® Foreign Body Grasper**, aggressive, straight jaws, sheath diameter 3.5 mm, straight, handle with cleaning connector, working length 19 cm

28171 KGSN **Same**, with ratchet



28573 FD **SILGRASP® Foreign Body Grasper**, aggressive, sheath diameter 4 mm, straight, handle with cleaning connector and ratchet, working length 22 cm

NEW



28171 SGN **SILGRASP® Suture Grasper**, straight jaws, sheath diameter 3 mm, straight, handle with cleaning connector, working length 14 cm



28171 SGL **SILGRASP® Suture Grasper**, curved jaws, 45° left, sheath diameter 3.5 mm, 5° curved to left, handle with cleaning connector, working length 16 cm

NEW

28171 SGR **Same**, 45° right, 5° curved to right

NEW



28171 SHN **SILGRASP® Suture Grasper**, straight jaws, sheath diameter 3.5 mm, handle with cleaning connector, working length 14 cm

NEW

Shoulder

Instruments for Shoulder Arthroscopy



28180 CB



28180 CB

Elevator, width 4 mm, curved 15° downwards, also curved downwards in sheath, working length 15 cm, for use with cannulas inner diameter 8.25 mm



28180 CC

Same, curved 30° downwards



28180 CF

Elevator, width 4 mm, curved 15° downwards, blade turned 180°, also curved downwards in sheath, working length 15 cm, for use with cannulas inner diameter 8.25 mm



28180 CJ

Same, curved 30° downwards



28180 DC

Glenoid Rasp, width 4.5 mm, curved 30° upwards, also curved upwards in sheath, working length 15 cm, for use with cannulas inner diameter 8.25 mm



28180 CE

S.L.A.P Rasp, width 4.5 mm, curved 30° downwards, also curved downwards in sheath, working length 15 cm, for use with cannulas inner diameter 8.25 mm



28180 CL

Rasp, for use as Glenoid or S.L.A.P rasps, **double-sided**, width 4.5 mm, curved 30° downwards, also curved downwards in sheath, working length 15 cm, for use with cannulas inner diameter 8.25 mm



28179 BB



28179 BB

Elevator, width 4 mm, 15° curved upwards, working length 15 cm



28179 BC

Elevator, width 4 mm, 30° curved upwards, working length 15 cm



28179 CB

Glenoid Rasp, width 5.5 mm, 30° curved upwards, working length 15 cm

Holding Systems

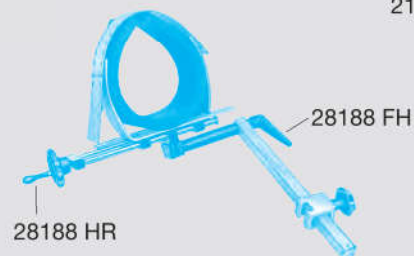
Leg Holder

Components / Spare Parts

Catalog page

- 28188 D** **Arthroscopy Leg Holder**
- 28188 SE **Release Clamp, 25 mm**
- 28188 DP **Neoprene Cushion, 600 x 140 x 20 mm**
- 28188 PN **Closure Stripe, perforated, Vulkollan 450 x 90 mm**

218



Spare Parts



28188 FH
Fixation Device



28188 HR
Hand Wheel

Components / Spare Parts

Catalog page

- 28188 SE** **Release Clamp**

218



Spare Parts



28188 FS
Locking Wheel



28188 FK
"Small Wheel"

Components / Spare Parts

Catalog page

- 28172 HR** **Rotation Socket, to clamp to the operating table**

219

Spare Part

28172 HRS
Butterfly Nut, to clamp
Socket 28172 HR to the
operating table, one
already mounted on
Socket 28172 HR

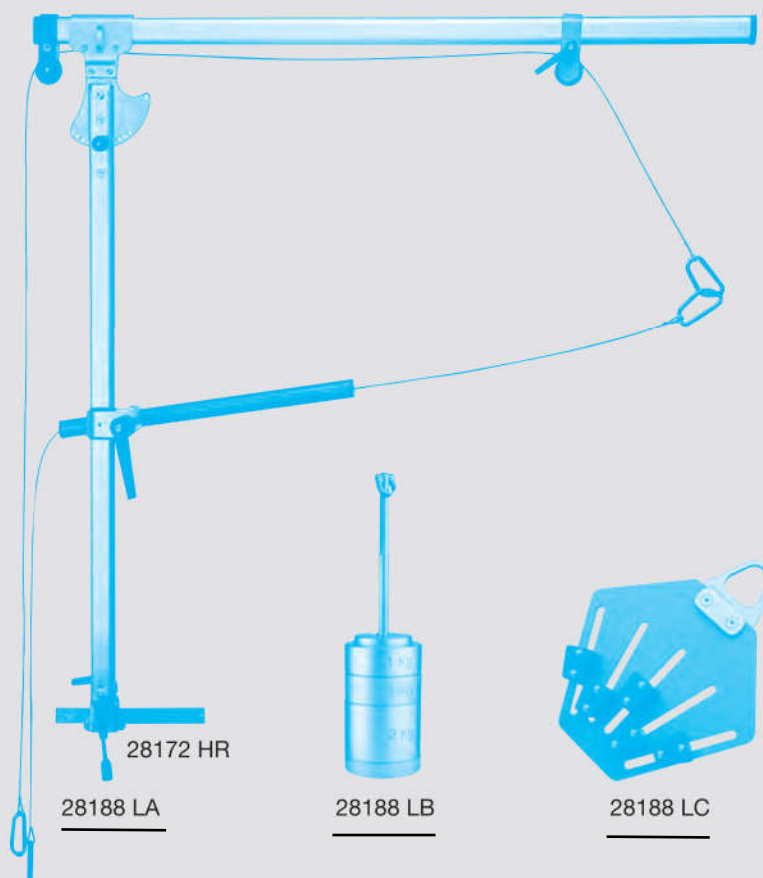


Holding Systems

Shoulder Traction System

Special Features:

- Shoulder traction system for the lateral decubitus position
- Compact design
- Very light thanks to aluminium profile tubes
- For fixation to the OR table rails
- Hand fixation for positioning the hand



- | | |
|----------|---|
| 28188 LA | Shoulder Support , for use with Set of Weights 28188 LB, Hand Fixation 28188 LC and Rotation Socket 28172 HR |
| 28188 LB | Set of Weights |
| 28188 LC | Hand Fixation |
| 28172 HR | Rotation Socket , to clamp to the operating table, with one mounted Butterfly Nut 28172 HRS, for European and US standard rails, with lateral clamp for height and angle adjustment of the articulated stand |

Components/Spare Parts see chapter 18

MEGA FIX® B



2870823 B

2870619 B **MEGA FIX® B**, bioresorbable interference screw,
diameter 6 mm, length 19 mm, sterile, for single use

2870623 B **Same**, length 23 mm

2870719 B **MEGA FIX® B**, bioresorbable interference screw,
diameter 7 mm, length 19 mm, sterile, for single use

2870723 B **Same**, length 23 mm

2870728 B **Same**, length 28 mm

2870819 B **MEGA FIX® B**, bioresorbable interference screw,
diameter 8 mm, length 19 mm, sterile, for single use

2870823 B **Same**, length 23 mm

2870828 B **Same**, length 28 mm

2870923 B **MEGA FIX® B**, bioresorbable interference screw,
diameter 9 mm, length 23 mm, sterile, for single use

2870928 B **Same**, length 28 mm

MEGA FIX® P



2870828 P

2870823 P **MEGA FIX® P**, bioresorbable interference screw, perforated,
diameter 8 mm, length 23 mm, sterile, for single use

2870828 P **Same**, length 28 mm

2870923 P **MEGA FIX® P**, bioresorbable interference screw, perforated,
diameter 9 mm, length 23 mm, sterile, for single use

2870928 P **Same**, length 28 mm

2870935 P **Same**, length 35 mm

2871028 P **MEGA FIX® P**, bioresorbable interference screw, perforated,
diameter 10 mm, length 28 mm, sterile, for single use

2871035 P **Same**, length 35 mm

2871135 P **MEGA FIX® P**, bioresorbable interference screw, perforated,
diameter 11 mm, length 35 mm, sterile, for single use

MEGA FIX® T for the Bone-Tendon-Bone Technique

STERILE 



2870720 T

2870720 T	MEGA FIX® T , titanium interference screw, diameter 7 mm, length 20 mm, for Cruciate Ligament Reconstruction with Bone-Tendon-Bone Transplant, sterile, for single use
2870725 T	Same , length 25 mm
2870820 T	MEGA FIX® T , titanium interference screw, diameter 8 mm, length 20 mm, for Cruciate Ligament Reconstruction with Bone-Tendon-Bone Transplant, sterile, for single use
2870825 T	Same , length 25 mm
2870920 T	MEGA FIX® T , titanium interference screw, diameter 9 mm, length 20 mm, for Cruciate Ligament Reconstruction with Bone-Tendon-Bone Transplant, sterile, for single use
2870925 T	Same , length 25 mm

MEGA FIX® T for the Hamstring Technique



2870723 T

2870723 T	MEGA FIX® T , titanium interference screw, diameter 7 mm, length 23 mm, for Cruciate Ligament Reconstruction with Semitendinosus Transplant, sterile, for single use
<u>2870728 T</u>	Same , length 28 mm
2870823 T	MEGA FIX® T , titanium interference screw, diameter 8 mm, length 23 mm, for Cruciate Ligament Reconstruction with Semitendinosus Transplant, sterile, for single use
2870828 T	Same , length 28 mm
2870923 T	MEGA FIX® T , titanium interference screw, diameter 9 mm, length 23 mm, for Cruciate Ligament Reconstruction with Semitendinosus Transplant, sterile, for single use
2870928 T	Same , length 28 mm
2871023 T	MEGA FIX® T , titanium interference screw, diameter 10 mm, length 23 mm, for Cruciate Ligament Reconstruction with Semitendinosus Transplant, sterile, for single use

MINAR®

Special Features:

- Complete technique using a 3-cm skin incision
- Minimally invasive
- Easy application
- No need to remove implants
- Use of aimer protects neurovascular structures
- Compact instrument set



AC joint reconstruction with MINAR®



28729 FT

28729 FT *

FLIPTACK, extracortical fixation button, 4 x 12 mm, sterile, for single use

STERILE

28729 FC

Catgut Polyester-S white, 3 x 75 cm, USP 7, sterile, for single use, package of 24, for use with FLIPTACK, extracortical fixation button

STERILE

* Each intervention requires two FLIPTACK fixation buttons.

FLIPPTACK and ENDOTACK® – Fixation Buttons

STERILE 



28729 FT

- | | |
|----------|---|
| 28729 FT | FLIPPTACK , extracortical fixation button,
4 x 12 mm, sterile, for single use |
| 28729 FC | Catgut Polyester-S white , 3 x 75 cm, USP 7,
sterile, for single use, package of 24, for use with
FLIPPTACK, extracortical fixation button |



28729 TT



28729 MT

- | | |
|-----------------|---|
| <u>28729 TT</u> | ENDOTACK® , tibial fixation button,
10 x 16 mm, sterile, for single use |
| 28729 MT | Mini ENDOTACK® , tibial fixation button,
8 x 12 mm, sterile, for single use |



28729 ST

28729 ST

Positioning Device, for use with ENDOTACK® 28729 TT

28729 SM

Positioning Device, for use with Mini ENDOTACK® 28729 MT, color code: red



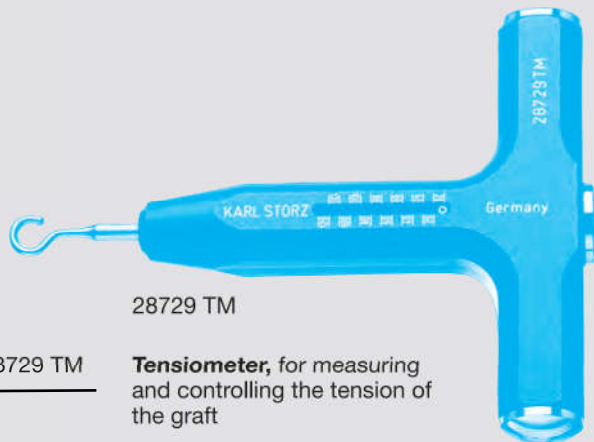
28729 MS

28729 MS

Button Wrench, for use with ENDOTACK® 28729 TT

28729 MM

Button Wrench, for use with Mini ENDOTACK® 28729 MT, color code: red



28729 TM

28729 TM

Tensiometer, for measuring and controlling the tension of the graft



28729 KK

28729 KK

Knot Holder, small, 1 x 1 mm, working length 14.5 cm

AIDA®

Accessories



WM 200

SMARTSCREEN®



WM 100
WM 101

21.5" Touch Screen
24" Touch Screen



200144 30

Two-Pedal Footswitch



549 MG
549 MT

USB Color Printer for us
Paper Roll and Ribbon f

UG 500

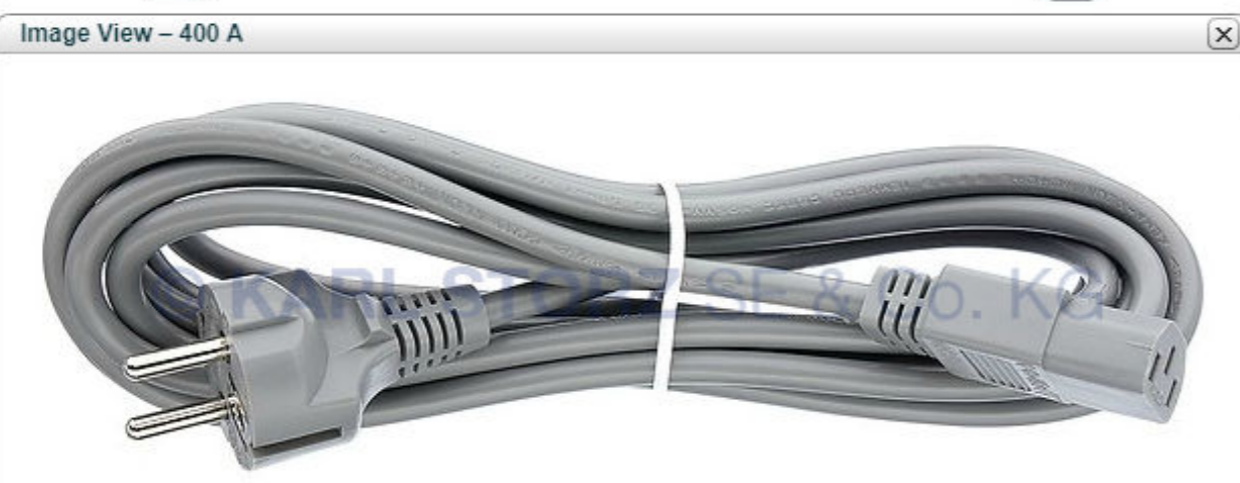


Monitor Holder,
height adjustable, swiveling and tilting, central mount, swivel range approx. 360°, loading capacity max. 18 kg, with monitor mount VESA 75/100, for use with Equipment Carts UG xxx





Cold Light Fountain POWER LED 175 SCB,
with integrated KARL STORZ-SCB, high-performance LED and one KARL STORZ light outlet, power supply 110 – 240 VAC, 50/60 Hz
including:
400 A Mains Cord
20090170 SCB Connecting Cable



Close



Close

Company

Catalog: Product View

Product Details

Occurrences

TC 200EN





IMAGE1 S CONNECT®, connect module, for use with up to 3 link modules, resolution 1920 x 1080 pixels, with integrated KARL STORZ-SCB and digital Image Processing Module, power supply 100 – 120 VAC/200 – 240 VAC, 50/60 Hz including:

400 A	Mains Cord, length 300 cm
20040089	DVI-D Connecting Cable, length 300 cm
20090170	SCB Connecting Cable, length 100 cm
20040282	USB Flash Drive, 32 GB
20040240US	USB Silicone Keyboard, with touchpad, US

20090170



20040282






Image View – 20040240US




Close

Image View – TC 200EN




Close

Image View – 400 A




Close

Image View – 20040282




Close

Image View – 20090170



Close

Image View – 20040089



Close

Endoscopic Pituitary and Skull Base Surgery – Basic Set (Fig. 1)

47

Endoscopic Pituitary and Skull Base Surgery – Basic Set (Fig. 2)

48

TC 301



400 A



TC 011



IMAGE1 S™ X-LINK,

link module, for use with flexible video endoscopes and one-chip camera heads (up to FULL HD), power supply 100 – 120 VAC/200 – 240 VAC, 50/60 Hz, for use with IMAGE1 S CONNECT® including:

- 400 A Mains Cord, length 300 cm
- TC 011 Link Cable, length 20 cm

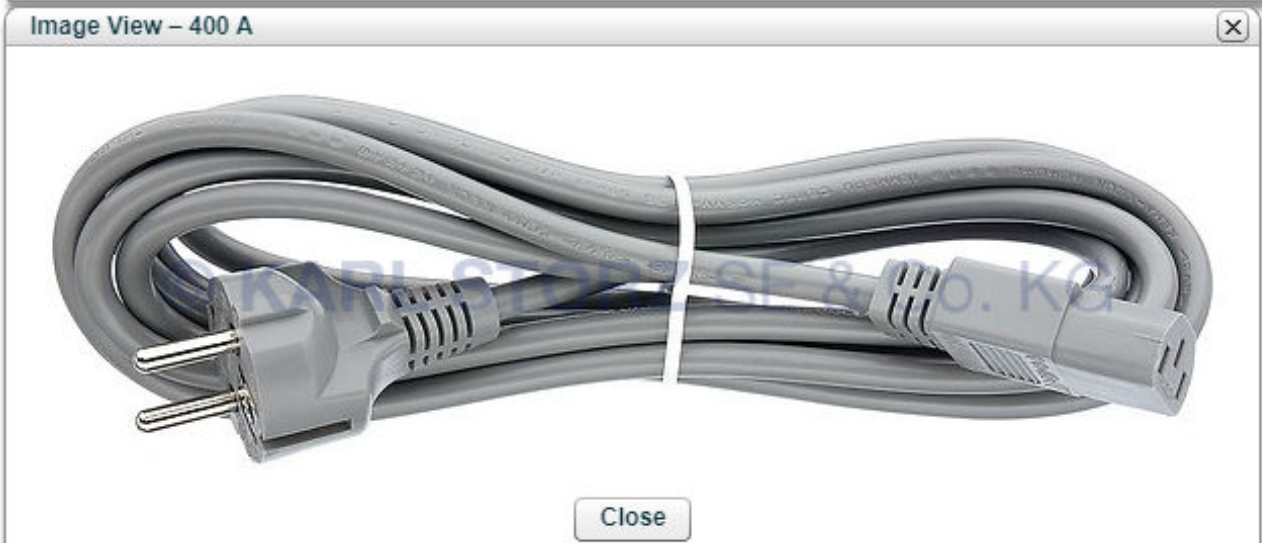




IMAGE1 S™ HX One-Chip FULL HD Camera Head,
50/60 Hz, fixed focus, progressive scan, soakable, EO sterilization, H2O2 (hydrogen peroxide), focal length $f = 16$ mm, 2 freely programmable camera head buttons, for use with IMAGE1 S™



Company

Catalog: Product View

Product Details

Occurrences

UG 230



UG 604



UG 602



UG 622



Equipment Cart LC,
rides on 4 antistatic dual wheels equipped with locking brakes, energy beam with integrated electrical subdistributors with 6 sockets, grounding plugs,

Dimensions:

Equipment Cart: 830 x 1474 x 730 mm (w x h x d),

Shelf: 630 x 25 x 510 mm (w x h x d),

Caster diameter: 125 mm

consisting of:

- | | |
|-----------|---------------------------------|
| UG 012 | Base Module, equipment cart LC |
| UG 022 | Cover, equipment cart LC |
| UG 052 | Beam Package, equipment cart LC |
| UG 604 | Shelf, wide |
| UG 602 | Drawer Unit with Lock, wide |
| UG 622 | Camera Holder |
| 2x UG 700 | Mains Cord, length 100 cm |

Image View – UG 604



Close

Image View – UG 622



Close

Image View – UG 700



Close

Image View – UG 602












Close









Change practice area:

Find

3

9 Ersatzteile

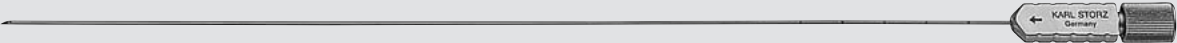
	Art.-Nr.	Artikelbezeichnung	Maße [mm]	Gewicht [kg]
	ET21-1001	COR, POAG Schiene Bodenmodul	330 x 90 x 25	0,15
	ET21-1002	COR, Netzkabel 5 m	200 x 50 x 500	0,80
	ET21-1004	COR, POAG Platte Energieholm	200 x 50 x 500	0,30
	ET21-1006	COR Kunststoffabdeckung Monitoraufnahme	330 x 90 x 25	0,05
	ET21-1007	COR, Rasterleiste dunkel	330 x 90 x 25	0,06
	ET21-1008	COR, Rasterleiste hell	330 x 90 x 25	0,06
	ET21-1009	COR, Service Deckel, schmal	500 x 430 x 90	1,60
	ET21-1010	COR, Service Deckel, breit	760 x 580 x 100	1,80
	ET21-1011	COR, Abdeckung mit Logo, schmal	720 x 580 x 180	3,20

	Art.-Nr.	Artikelbezeichnung	Maße [mm]	Gewicht [kg]
	ET21-1020	COR, T-Nut Gummi für Seitenholm	200 x 50 x 250	0,20
	ET21-1021	COR, Abdeckung Geräteschiene	330 x 90 x 25	0,10
	ET21-1022	6 fach Steckdosenleiste, Kabel lang	200 x 50 x 500	0,90
	ET21-1023	6 fach Steckdosenleiste, Kabel kurz	200 x 50 x 500	0,75
	ET21-1042	COR, 6 fach Steckdosenleiste 125 V, US		
	ET21-1024	COR, Montageset	330 x 90 x 25	0,30
	ET21-1025	COR, Schraubenset	330 x 90 x 25	0,20
	ET21-1026	COR, Schlüssel für Schublade	- - -	0,10
	ET21-1030	COR, Antirutschecken	330 x 90 x 25	0,10




Percutaneous Lumbar **Transforaminal**, ^{NEW} **Interlaminar** and **Posterolateral** Endoscopy System

Puncture Needles, Guide Wires and Dilation Sleeves with two ports

T = Instrument for the transforaminal approach with HOPKINS® II Telescope 28163 BTA
I = Instrument for the interlaminar approach with HOPKINS® II Telescope 28163 BFA
P = Instrument for the posterolateral approach with HOPKINS® II Telescope 28163 FFA





28163 PLT

<u>28163 PEL</u>	Puncture Needle , including stylet, diameter 1.7 mm, working length 25 cm, with 1.4 mm opening for guide wire	
<u>28163 PLT</u>	Puncture Needle , including stylet, diameter 1.2 mm, working length 25 cm, with 0.8 mm opening for guide wire	
<u>28163 PL</u>	Puncture Needle , including stylet, diameter 1.7 mm, working length 18 cm, with 1.4 mm opening for guide wire	




28163 GWL

<u>28163 GWL</u>	Guide Wire , blunt, diameter 1.1 mm, working length 45 cm	
<u>28163 GWT</u>	Guide Wire , blunt on both sides, diameter 0.7 mm, working length 41 cm, package of 5	




28163 FHI




<u>28163 FHT</u>	Dilation Sleeve , outer diameter 6.5 mm, inner diameter 1.4 mm, length 31 cm, with two ports, for the transforaminal approach, color code: blue	
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<u>28163 FHI</u>	Dilation Sleeve , with two ports, outer diameter 6.5 mm, inner diameter 1.4 mm, length 22 cm, color code: red	
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<u>28163 FHP</u>	Dilation Sleeve , outer diameter 6 mm, inner diameter 1 mm, length 22 cm, with two ports, for the posterolateral approach, color code: green	
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For creating a surgical approach using HOPKINS® II Telescope 28163 BFA, Suction Burr 41201 FD with DrillCut-X® II handpiece is recommended

Percutaneous Lumbar **Transforaminal**, ^{NEW} **Interlaminar** and **Posterolateral** Endoscopy System

Sequential Dilatation, Punch Devices, Mallet and X-ray Ruler

STORZ
KARL STORZ — ENDOSKOPE



28163 FD



28163 FD

Dilation Sleeve, outer diameter 2.5 mm, inner diameter 1.2 mm, working length 29 cm, color code: red-green



28163 FE

Dilation Sleeve, outer diameter 3.9 mm, inner diameter 2.6 mm, working length 27 cm, color code: red-green



28163 FF

Dilation Sleeve, outer diameter 5.4 mm, inner diameter 4 mm, working length 25 cm, color code: red



28163 FG

Dilation Sleeve, outer diameter 6.5 mm, inner diameter 5.5 mm, working length 23 cm, color code: red



28163 FDH

28163 FDH

Punch Device, kidney-shaped, for Dilation Sleeves diameter 2 – 6 mm



28163 FEH

28163 FEH

Punch Sleeve, for use with operating sheaths



28163 FKD

28163 FKD

Fixation Handle, for adjustment of dilation sleeves with outer diameter 2.5 – 6.5 mm



28163 CM

28163 CM

COTTLE Metal Mallet, with Nylon replacement, length 22.5 cm



28163 FRL

28163 FRL

X-ray Ruler, with special marking for midline and 2 mm- and cm-slots for radiologic measurement, total length 30 cm

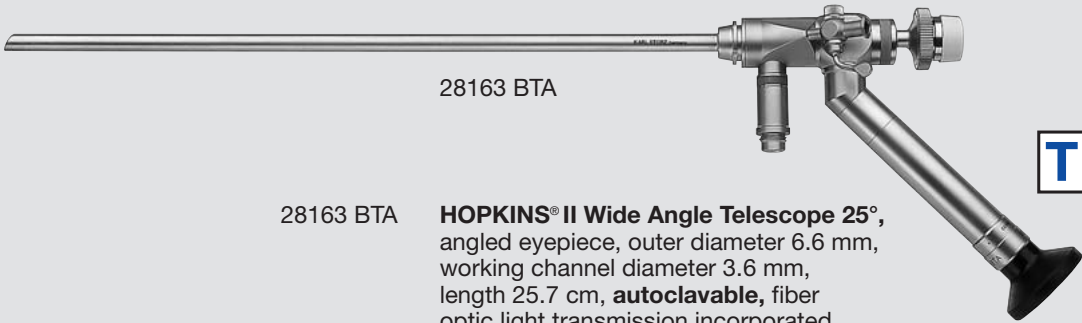


Percutaneous Lumbar **Transforaminal**, ^{NEW}
Interlaminar and **Posterolateral**
Endoscopy System

HOPKINS® II Telescope and Operating Sheaths



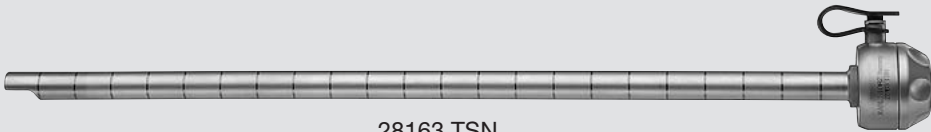
For the **transforaminal** approach



28163 BTA

TIP

28163 BTA **HOPKINS® II Wide Angle Telescope 25°**,
angled eyepiece, outer diameter 6.6 mm,
working channel diameter 3.6 mm,
length 25.7 cm, **autoclavable**, fiber
optic light transmission incorporated,
color code: blue



28163 TSN



28163 TSG **Operating Sheath**, graduated, distal straight,
integrated irrigation connector, inner diameter
6.8 mm, outer diameter 7.8 mm, length 25 cm,
for use with HOPKINS® II Telescope 25° 28163 BTA,
color code: blue

TIP



28163 TSN **Operating Sheath**, graduated, with distal beak,
integrated irrigation connector, inner diameter
6.8 mm, outer diameter 7.8 mm, length 25 cm,
for use with HOPKINS® II Telescope 25° 28163 BTA,
color code: blue

TIP



28163 TSW **Operating Sheath**, graduated, distal oblique,
integrated irrigation connector, inner diameter
6.8 mm, outer diameter 7.8 mm, length 25 cm,
for use with HOPKINS® II Telescope 25° 28163 BTA,
color code: blue

TIP

**Биполярный электрод
(Сгибаемый)
28163 FBC**
**弯曲式双极电极
28163 FBC**
**Eğrilebilen bipolar elektrotlar
28163 FBC**

97000145

Пояснение символов

! **ПРЕДУПРЕЖДЕНИЕ:** Несоблюдение может привести к травмированию или смерти.

! **ОСТОРОЖНО:** Несоблюдение может привести к повреждению или поломке изделия.

i **УКАЗАНИЕ:** Особые сведения по эксплуатации инструмента.

! Перед использованием ознакомьтесь с сопроводительной документацией

! Производитель

标志说明

! 警告：不遵守会导致受伤或生命危险。

! 注意：不遵守会导致产品受损或毁坏。

i 提示：有关器械操作的特殊信息。

! 使用前请留意阅读随附资料

! 生产商

Sembollerin açıklanması

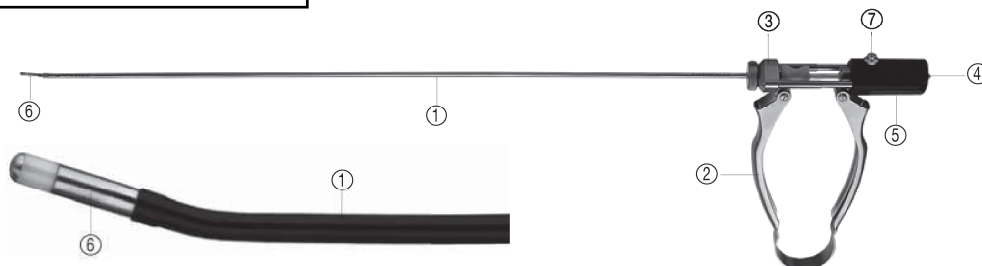
! **UYARI:** Uyulmaması yaralanmalar veya ölümlle sonuçlanabilir.

! **DİKKAT:** Uyulmaması üründe hasara veya tahribe neden olabilir.

i **NOT:** Enstrümanın kullanımı hakkında özel bilgiler.

! Kullanım öncesi kılavuzu dikkate alın

! Üretici



- ① Тубус 28163 FBS
- ② Пружинная скоба
- ③ Головка
- ④ ВЧ-разъем
- ⑤ Корпус
- ⑥ Электрод 28163 FBE
- ⑦ Фиксатор

- ① 外鞘 28163 FBS
- ② 弹性手柄
- ③ 端头
- ④ 高频接口
- ⑤ 外壳
- ⑥ 电极 28163 FBE
- ⑦ 锁齿

- ① Şaft 28163 FBS
- ② Yaylı kol
- ③ Kafa
- ④ RF bağlantısı
- ⑤ Kılıfı
- ⑥ Elektrot 28163 FBE
- ⑦ Çentik

1 Целевое назначение

Биполярный электрод (сгибаемый) 28163 FBC используется в сочетании с ВЧ-приборами для биполярной коагуляции в хирургии позвоночника. Биполярный электрод можно провести через рабочие каналы диаметром от 2,8 мм. Рабочая длина электрода составляет 36 см. Рекомендуется применять электрод с настроенной мощностью 40 Вт и уровнем эффекта 3 в режиме BIPOLAR SOFT COAGULATION (биполярная мягкая коагуляция). При использовании других режимов очень высока вероятность повреждения инструмента. Биполярный электрод должен использоваться только обученным квалифицированным персоналом.

Противопоказания, которые относятся непосредственно к изделию, в настоящее время не известны. Применение инструмента противопоказано, если, по мнению ответственного врача, такое применение сопряжено с опасностью для пациента. Самовольная модификация и изменение инструмента запрещены из соображений безопасности.

Перед использованием изделий рекомендуется проверить их на пригодность для предполагаемой операции.

2 Комплект поставки

28163 FBE Биполярный электрод-вставка
28163 FBS Тубус для биполярного электрода
26184 HR Биполярная пружинная рукоятка

3 Эксплуатация

При сжатии пружинной скобы ② электрод выдвигается из тубуса. После отпускания пружинной скобы электрод снова прячется.

1 规定用途

弯曲式双极电极 28163 FBC 在脊柱外科手术中与高频设备配合使用进行双极电凝操作。双极电极可导入直径至少为 2.8 mm 的工作通道。电极的工作长度为 36 cm。建议使用双极软凝模式，功率设定为 40 瓦、第 3 功率等级。使用其它模式可能导致器械损坏。仅限受过相应培训的专业技术人员使用本双极电极。

与本产品直接相关的禁忌症目前尚不明确。如果主治医师认为，使用本器械会给患者的健康带来威胁，则应避免使用本器械。

为安全起见，未经授权不允许对本器械进行改装或改造。

建议使用之前，检查产品是否适用于要进行的手术。

2 包装标配

28163 FBE 双极电极头
28163 FBS 双极电极外鞘
26184 HR 双极弹性手柄

3 应用

按压弹性手柄 ②，电极将从外鞘中弹出。释放弹性手柄将再次抽回电极。

1 Kullanım amacı

Eğrilebilir bipolar elektrot 28163 FBC Spinal cerrahide bipolar koagülasyon için RF cihazlar yardımıyla kullanılır. Bipolar elektrotlar en azından 2,8 mm çapa sahip çalışma kanalı aracılığıyla gerçekleştirilebilir. Elektrotun etkili uzunluğu 36 cm'dir. Elektrotun uygulaması BIPOLAR YUMUŞAK KOAGÜLASYON modunda 40 watt güç ayarı ve efekt düzeyi 3 ile tavsiye edilir. Farklı modunu kullanırken enstrümanda arızalar oluşabilir. Bipolar elektrotlar sadece uygun eğitimli teknik personel tarafından kullanılmalıdır.

Kontrendikasyonlar, doğrudan ürün ile ilgili kontrendikasyonlar bugün için bilinmemektedir. Sorumlu hekimin görüşü bu tür bir uygulamanın hastayı tehlikeye atacağı yönünde ise, enstrümanın kullanımı kontrendikedir.

Enstrümanda yetkisiz kişilerin yapısal değişiklikler veya modifikasyon yapması güvenlik nedenleriyle yasaktır.

Planlanan ameliyat öncesi, kullanılan ürünün ameliyat için uygun olduğunu doğrulamak için kontrol etmeniz önerilmektedir.

2 Teslimat kapsamı

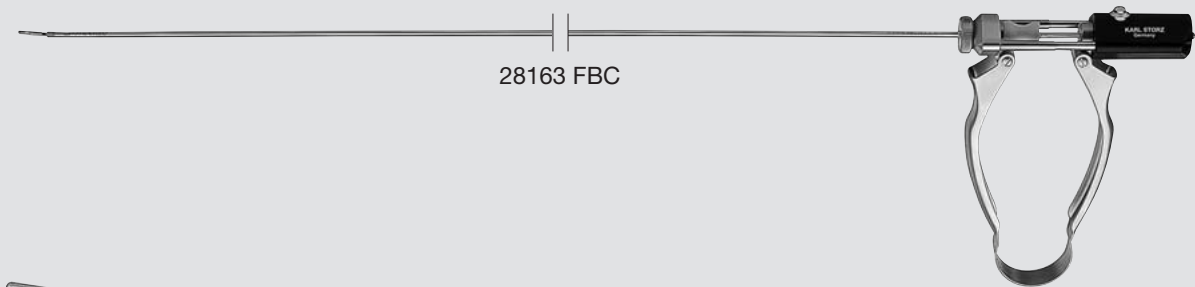
28163 FBE Bipolarer Elektrot ucu
28163 FBS Bipolar Elektrot için Şaft
26184 HR Bipolar Yay Tutamağı

3 Kullanma

Yaylı Kola ② bastırıldığında elektrot şafttan dışarı çıkar. Yay kolunu bastırmayı bıraktığınız an elektrot yine geri çekilir.

Percutaneous Lumbar **Transforaminal**, ^{NEW} **Interlaminar** and **Posterolateral** Endoscopy System

Bipolar Electrode, Dissectors and Palpation Hooks



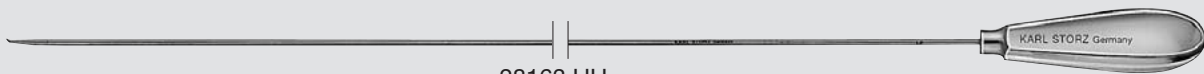
28163 FBC



28163 FBC

Bipolar Electrode, angled, diameter 2.5 mm, working length 36 cm including:

- ***Bipolar Electrode Insert**
- Electrode Sheath**
- Bipolar Spring Handle**



28163 UH



28163 UH

Palpation Hook, distally angled 45°, diameter 2 mm, working length 34 cm



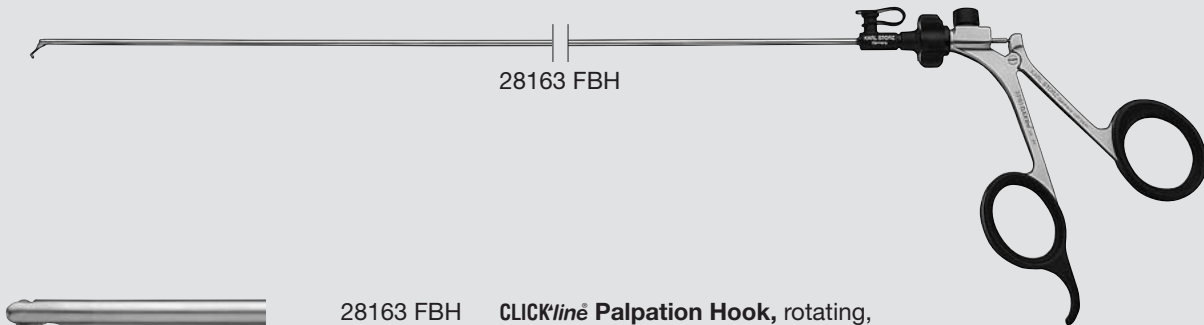
28163 FDW

Dissector, distally curved 45°, diameter 2.6 mm, working length 36 cm

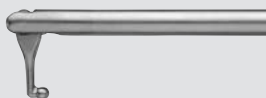


28163 FDG

Dissector, distally curved 90°, diameter 2.6 mm, working length 36 cm



28163 FBH



28163 FBH

CLICK'line® Palpation Hook, rotating, dismantling, not insulated, without connector pin for unipolar coagulation, with LUER-Lock irrigation connector for cleaning, with distal ball, bendable to 90°, diameter 3.5 mm, working length 36 cm including:

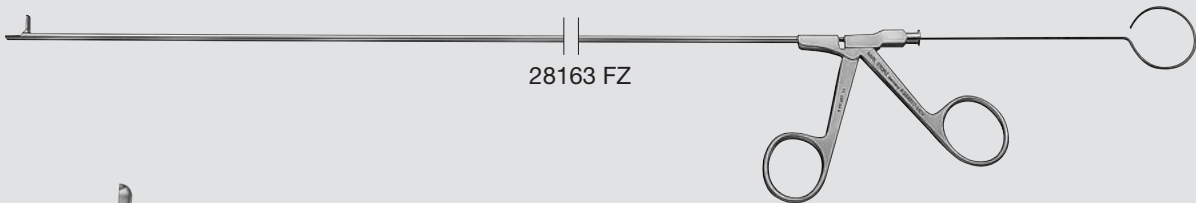
- Metal Handle**, without ratchet, with plastic rings with larger contact area
- Outer Sheath**, with working insert



*The bipolar electrode insert is available separately under order no. 28163 FBE.
Components/Spare Parts see chapter 13

Percutaneous Lumbar **Transforaminal**, ^{NEW} **Interlaminar** and **Posterolateral** Endoscopy System

Grasping Forceps, Raven's Beak Forceps and Angled Instruments

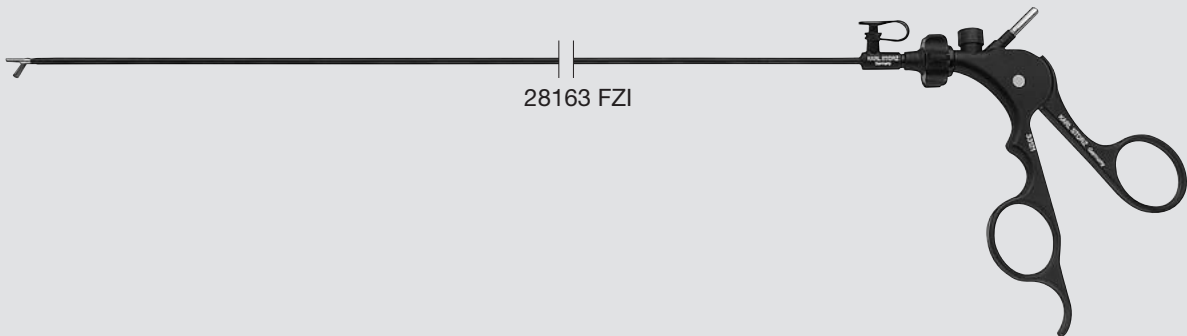


28163 FZ



28163 FZ

Grasping Forceps, single action jaws, with 90° angle of view, diameter 3.5 mm, working length 36 cm



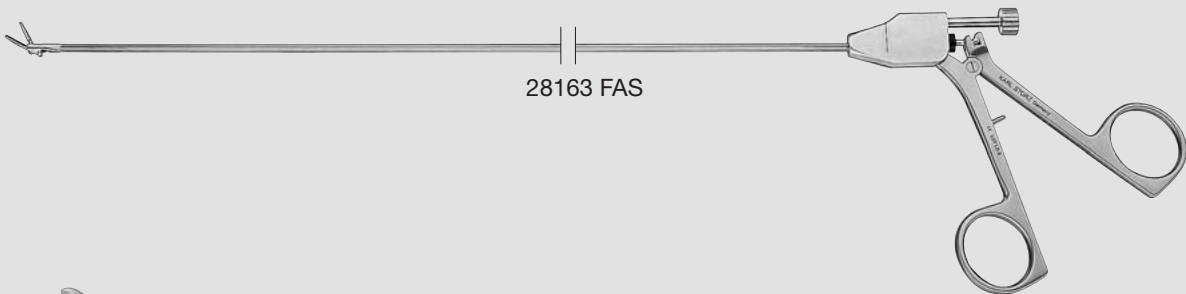
28163 FZI



28163 FZI

CLICKline Raven's Beak Forceps, rotating, dismantling, insulated, with connector pin for unipolar coagulation, with LUER-Lock irrigation connector for cleaning, single action jaws, diameter 3.5 mm, working length 36 cm including:

Plastic Handle, without ratchet
Forceps Insert, with raven's beak



28163 FAS



28163 FAS

Grasping Forceps, bendable, single action jaws, diameter 3.5 mm, working length 36 cm



28163 FAP

Punch, bendable, single action jaws, diameter 3.5 mm, working length 36 cm

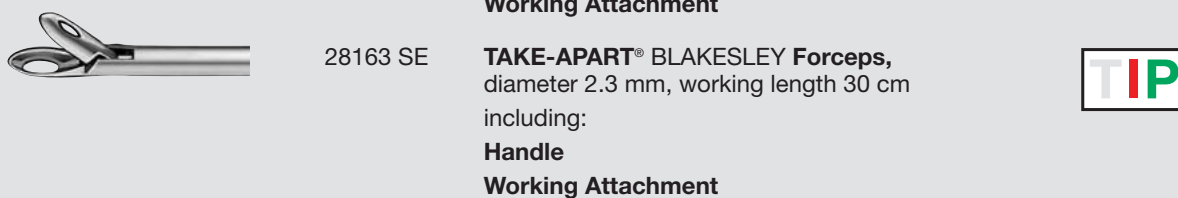
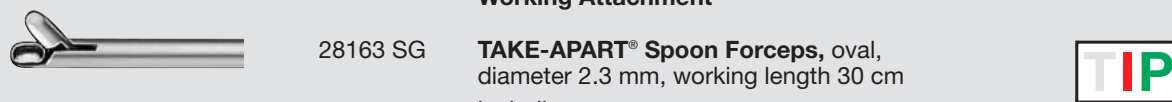
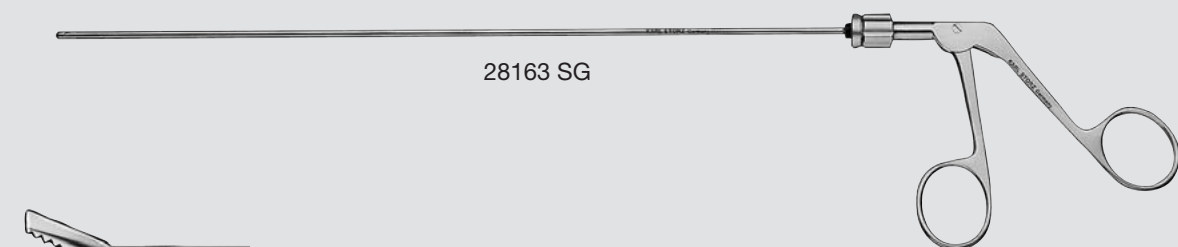
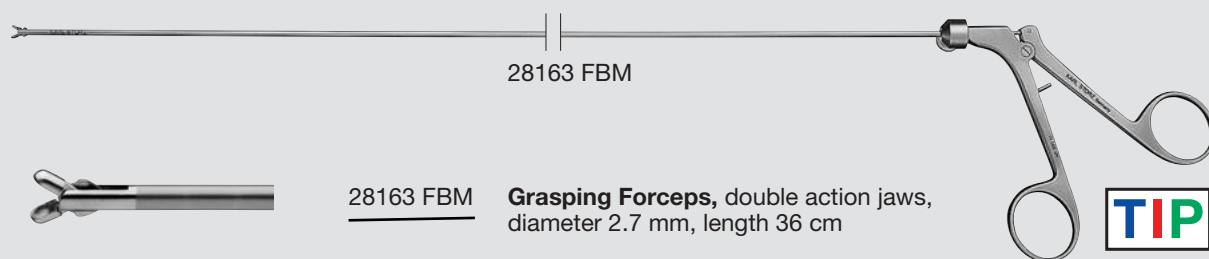
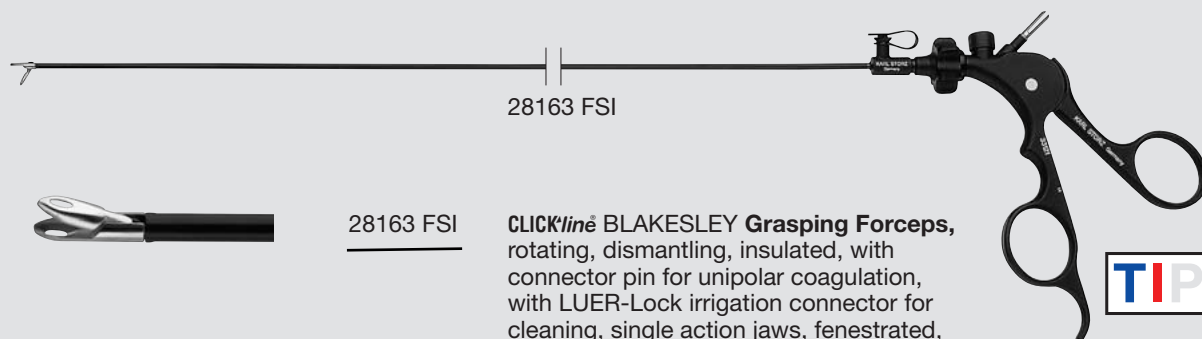


Components/Spare Parts see chapter 13

Percutaneous Lumbar **Transforaminal**, ^{NEW} **Interlaminar** and **Posterolateral** Endoscopy System

Grasping Forceps

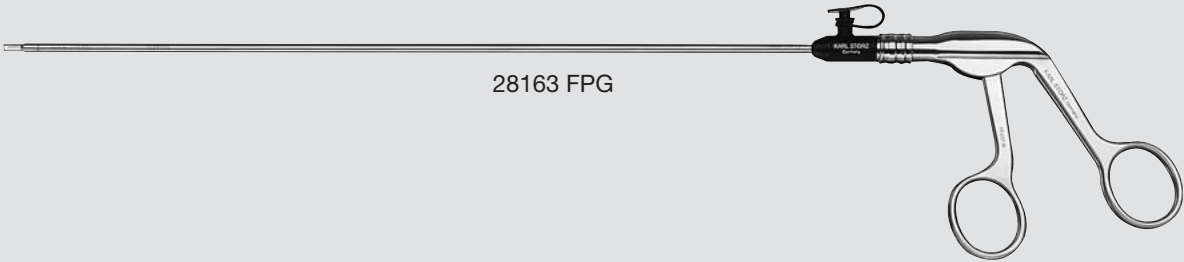
STORZ
KARL STORZ — ENDOSKOPE



Components/Spare Parts see chapter 13

Percutaneous Lumbar **Transforaminal**, ^{NEW}
Interlaminar and **Posterolateral**
Endoscopy System

Sidebiting Punches, Trephines and Retractable Knife



28163 FPG



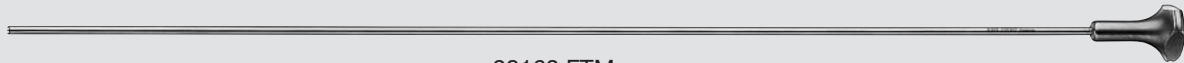
28163 FPW

SpinoFIT® Punch, dismantling, 45° downbiting, not through-cutting, working length 30 cm including:
Punch Insert
Outer Sheath
Handle



28163 FPG

SpinoFIT® Punch, dismantling, 90° downbiting, not through-cutting, working length 30 cm including:
Punch Insert
Outer Sheath
Handle



28163 FTM



28163 FTM

Trephine, with pyramidal handle, inner diameter 1.6 mm, outer diameter 2.7 mm, working length 30 cm



28163 FTK



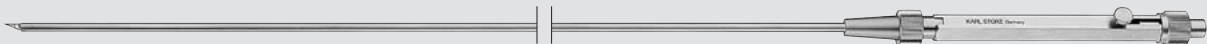
28163 FTK

Trephine, with round handle, inner diameter 3.2 mm, outer diameter 4.2 mm, working length 22 cm



28163 FTG

Trephine, with round handle, inner diameter 7 mm, outer diameter 8 mm, working length 17.5 cm



28163 FM



28163 FM

Knife, retractable, diameter 3.5 mm, working length 36 cm



Components/Spare Parts see chapter 13

Skull Base and Endoscopic Pituitary Surgery






Accessories, High Frequency Cords,
for use with TAKE-APART® bipolar forceps

Bipolar High Frequency Cords

KARL STORZ
Instrument

High Frequency
Surgical Units



	26176 LE	Bipolar High Frequency Cord , for AUTOCON® II 400 SCB system (111, 113, 115, 122, 125), AUTOCON® II 200, AUTOCON® II 80, KARL STORZ Coagulator 26021 B/C/D, 860021 B/C/D, 27810 B/C/D, 28810 B/C/D, AUTOCON® system (50, 200, 350), Erbe-Coagulator, T and ICC series, length 300 cm
	26176 LM	Bipolar High Frequency Cord , for Martin and Berchtold coagulators, length 300 cm
	26176 L	Bipolar High Frequency Cord , with 2 x 4 mm banana plug for KARL STORZ Coagulator 26020 XA/XB and Ellman, length 300 cm
	26176 LA	Bipolar High Frequency Cord , with 2 x 4 mm banana plug for KARL STORZ Coagulator 26020 XA/XB and Valleylab, length 300 cm
	26176 LV	Bipolar High Frequency Cord , for KARL STORZ AUTOCON® II 400 SCB system (112, 114, 116, 122, 125) and Valleylab coagulators, length 300 cm

High Frequency Surgical Units AUTOCON® see chapter 12

Percutaneous Lumbar **Transforaminal**, ^{NEW} **Interlaminar** and **Posterolateral** Endoscopy System

HOPKINS® II Telescope and Operating Sheaths

STORZ
KARL STORZ — ENDOSKOPE

For the **interlaminar** approach



28163 BFA

28163 BFA **HOPKINS® II Wide Angle Telescope 25°**, angled eyepiece, outer diameter 6.6 mm, working channel diameter 3.6 mm, length 18 cm, **autoclavable**, fiber optic light transmission incorporated, color code: red



28163 FSG



28163 FSG **Operating Sheath**, graduated, distal straight, with clamp mechanism for fixation, integrated irrigation connector, inner diameter 7.2 mm, outer diameter 7.9 mm, length 17 cm, for use with HOPKINS® II Telescope 25° 28163 BFA, color code: red



28163 FSN **Operating Sheath**, graduated, with distal beak, with clamp mechanism for fixation, integrated irrigation connector, inner diameter 7.2 mm, outer diameter 7.9 mm, length 17 cm, for use with HOPKINS® II Telescope 25° 28163 BFA, color code: red



28163 FSW **Operating Sheath**, graduated, distal oblique, with clamp mechanism for fixation, integrated irrigation connector, inner diameter 7.2 mm, outer diameter 7.9 mm, length 17 cm, for use with HOPKINS® II Telescope 25° 28163 BFA, color code: red



28163 FWO



28163 FWO **Operating Sheath**, distal 45° oblique, integrated irrigation connector, inner diameter 6.8 mm, outer diameter 7.5 mm, length 17 cm, for use with HOPKINS® II Telescope 25° 28163 BFA, color code: red



For creating a surgical approach using HOPKINS® II Telescope 28163 BFA, Suction Burr 41201 FD with DrillCut-X® II handpiece is recommended

Percutaneous Lumbar **Transforaminal**, ^{NEW}
Interlaminar and **Posterolateral**
Endoscopy System

HOPKINS® II Telescope and Operating Sheaths



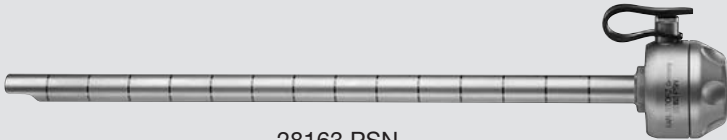
For the posterolateral approach



28163 FFA

28163 FFA

HOPKINS® II Wide Angle Telescope 15°, angled eyepiece, outer diameter 6.1 mm, working channel diameter 2.9 mm, length 18 cm, **autoclavable**, fiber optic light transmission incorporated, color code: green



28163 PSN



28163 PSG

Operating Sheath, graduated, distal straight, integrated irrigation connector, inner diameter 6.2 mm, outer diameter 6.9 mm, length 17 cm, for use with HOPKINS® II Telescope 15° 28163 FFA, color code: green



28163 PSN

Operating Sheath, graduated, distal beak, integrated irrigation connector, inner diameter 6.2 mm, outer diameter 6.9 mm, length 17 cm, for use with HOPKINS® II Telescope 15° 28163 FFA, color code: green



28163 PSW








Operating Sheath, graduated, distal oblique, integrated irrigation connector, inner diameter 6.2 mm, outer diameter 6.9 mm, length 17 cm, for use with HOPKINS® II Telescope 15° 28163 FFA, color code: green



The DRILLCUT-X® II-35 Shaver Handpiece

Detail	Order No.	Description
	40712035	DRILLCUT-X® II-35 , shaver handpiece, for use with UNIDRIVE® S III ENT/NEURO
	40712535	DRILLCUT-X® II-35 N , shaver handpiece, with adaptation possibilities for Optical Shaver Tracker 40800122, for use with UNIDRIVE® S III ENT/NEURO and NAV1® PICO or NAV1® OPTICAL
	40712090	Handle , adjustable, for use with all DRILLCUT-X® II shaver handpieces

Accessories

Detail	Order No.	Description
	<u>280053</u>	Universal Spray , 6x 500 ml bottles, including spray nozzle
	280053C	Spray Nozzle , for the reprocessing of INTRA burr handpieces, for use with Universal Spray 280053B
	031131-10*	Tubing Set , sterile, STERILE  , for single use, package of 10, for use with UNIDRIVE® ENT/ECO/NEURO, UNIDRIVE® S III ENT/ECO/NEURO
	20711621	Clip Set , autoclavable, for use with Silicone Tubing Set 20711640, for fastening the silicone tube to Connecting Cable 20711072
	41250RA	Cleaning Adaptor , LUER-Lock, for cleaning DRILLCUT-X®/DRILLCUT-X® II handpieces
	39550A	Wire Tray , provides safe storage of accessories for KARL STORZ paranasal sinus shaver systems during cleaning and sterilization for storage of: – Up to 7 shaver attachments – Connecting cable

Accessories for Maintenance and Cleaning



27655

Oil Dropper, for Instrument Oil



27656 S

Oil Dropper, for maintenance of instruments, silicone-free



27656 B

Instrument Oil, 50 ml, silicone-free



27657

Special Lubricant, for stopcocks



27658

Wadding Silver Polish "duraglit"



27661

Cleaning Agent, for distal or proximal lenses and fiber optic surface of endoscopes, content 5 g

Accessories for Maintenance and Cleaning



27652



27650 A – G



27651 AL – UB

Order No.	Flat	Round/rigid	Round/flexible	Length	Outer diameter	Channel diameter	Notes
27652	●	–	–	–	–	–	cleaning of jaws
27648 A	–	●	–	55 cm	16 mm	4 – 14 mm	
27650 A	–	●	–	35 cm	11 mm	3 – 9 mm	
27650 B	–	●	–	35 cm	7 mm	2.5 – 5 mm	
27650 C	–	●	–	35 cm	2.5 mm	2 – 2.4 mm	
27650 D	–	●	–	50 cm	11 mm	3 – 9 mm	
27650 E	–	●	–	50 cm	7 mm	2.5 – 5 mm	
27650 F	–	●	–	50 cm	2.5 mm	2 – 2.4 mm	
27650 G	–	●	–	50 cm	2.5 mm	–	for CLICKline and ROBI ®
27651 AL	–	–	●	150 cm	2 mm	1.2 – 1.8 mm	
27651 B	–	–	●	100 cm	3 mm	1.8 – 2.6 mm	
27651 UA	–	–	●	60 cm	2 mm	1.4 – 1.8 mm	
27651 UB	–	–	●	60 cm	2.2 mm	0.8 – 2 mm	

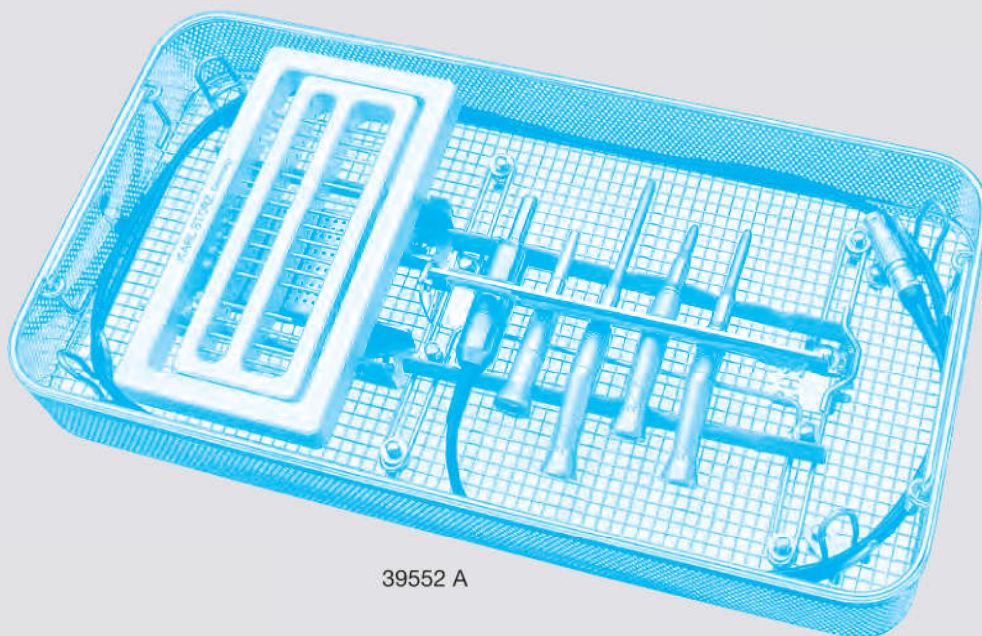


27657

27657

Special Lubricant, for stopcocks

For further information see catalog HYGIENE



39552 A

39552 A

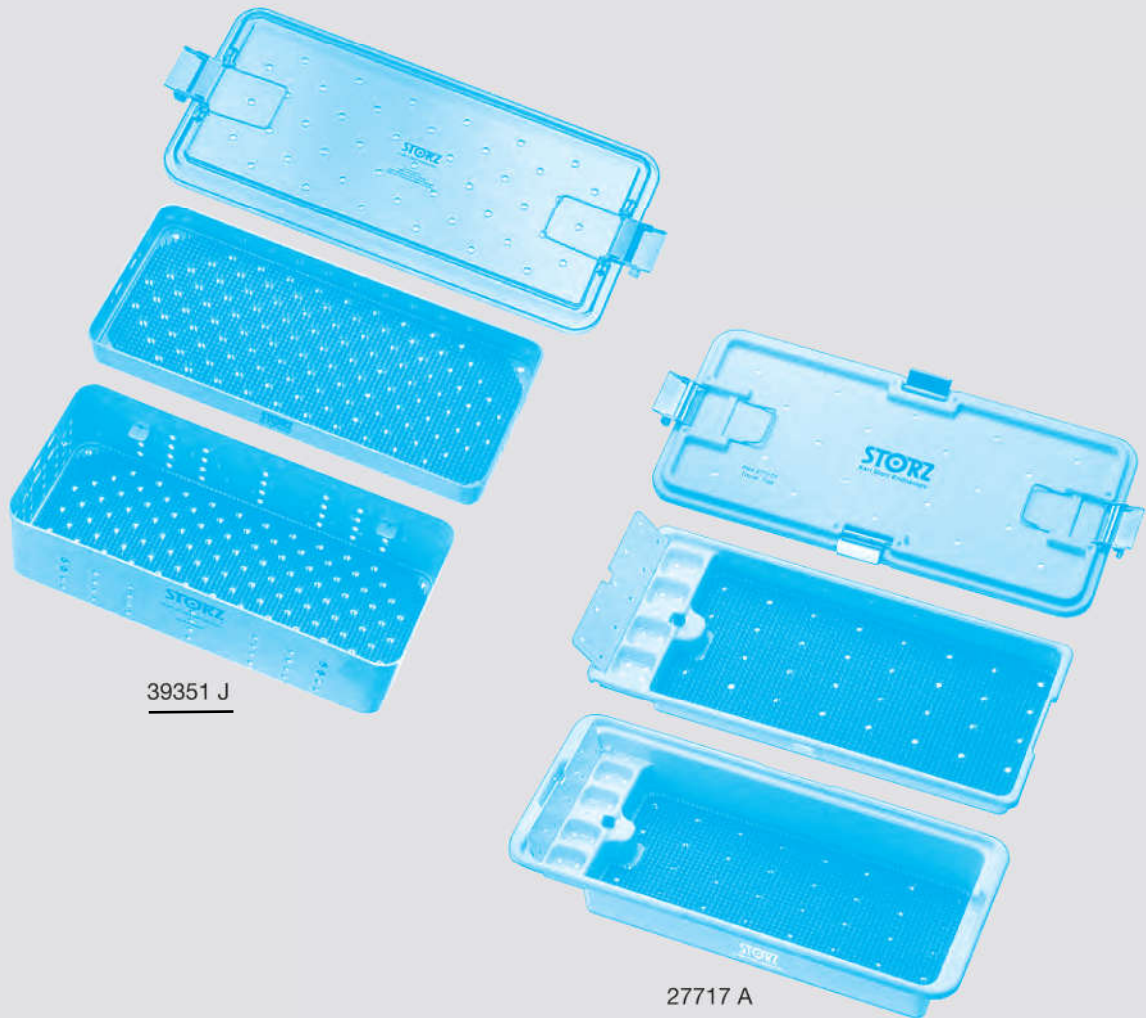
Wire Tray, provides safe storage of accessories for KARL STORZ drilling/grinding systems during cleaning and sterilization, includes tray for small parts, for use with Rack 280030, rack **not** included

for storage of:

- Up to 6 drill handpieces
- Connecting cable
- EC micro motor
- Small parts

Please note: The instruments displayed are not included in the wire tray.

Plastic Containers for Sterilization and Storage of Instruments



39351 J

27717 A

39351 J

Plastic Container for Sterilization and Storage, perforated, with transparent lid, **for two-level storage**, for use with forceps and instruments, external dimensions (w x d x h): 530 x 250 x 145 mm

27717 A

Plastic Container for Sterilization and Storage, perforated, with transparent lid and silicone mat, **for two-level storage**, external dimensions (w x d x h): 543 x 255 x 112 mm

Plastic Containers for Sterilization and Storage of Camera Heads



39301 Z3TS

- 39301 ACTS** **Plastic Container for Sterilization and Storage** of camera heads **IMAGE1, TRICAM®** and **TELECAM**, suitable for steam, gas, and hydrogen peroxide sterilization, Sterrad® compatible, external dimensions (w x d x h): 385 x 255 x 75 mm
- 39301 HCTS** **Plastic Container for Sterilization and Storage** of **HD camera heads**, suitable for steam, gas, and hydrogen peroxide sterilization, Sterrad® compatible, external dimensions (w x d x h): 385 x 255 x 75 mm
- 39301 Z3TS** **Plastic Container for Sterilization and Storage** of camera heads **IMAGE1 H3-Z, H3-ZA and H3-FA, autoclavable**, suitable for use with steam, gas and hydrogen peroxide sterilization, Sterrad® compatible, external dimensions (w x d x h): 385 x 255 x 75 mm
- 39301 PHTS** **Plastic Container for Sterilization and Storage** of camera heads **IMAGE1 H3-P and H3-ZI, autoclavable**, suitable for use with steam, gas and hydrogen peroxide sterilization, Sterrad® compatible, external dimensions (w x d x h): 385 x 255 x 75 mm

Please note: The instruments displayed are not included in the plastic container.

Accessories for Oto-Rhino-Laryngoscopy

Antifog Solution

STORZ
KARL STORZ — ENDOSKOPE



15006 B



15006 C



15006 D

- | | |
|---------|---|
| 15006 B | "ULTRA STOP" Antifog Solution , 25 ml,
pipette bottle |
| 15006 C | "ULTRA STOP" Antifog Solution , 30 ml,
sterile, pierce bottle |
| 15006 D | "ULTRA STOP" Antifog Solution , 15 ml,
atomizer bottle |