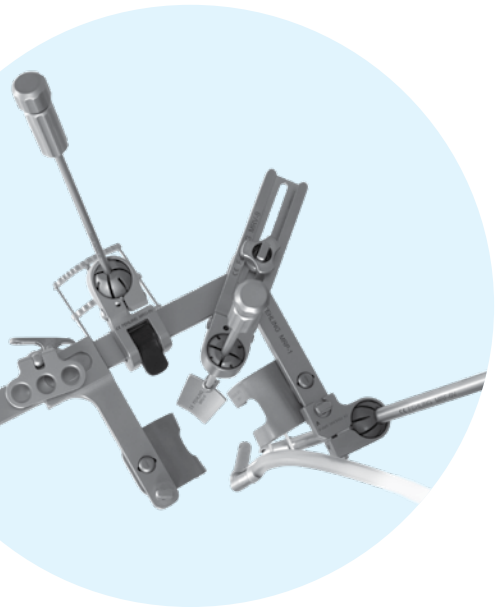




Cardiac Vascular Thoracic

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FEHLING INSTRUMENTS GmbH
CVT: Cardiac Vascular Thoracic

Art. no: ZYE-OC; 02/26
Photos: Art acta werbeagentur
Printing: Druckerei Hohl

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MICRO SURGICAL INSTRUMENTS

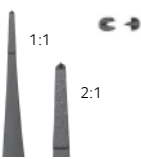
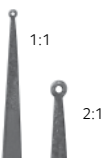
MIKRO-CHIRURGISCHE INSTRUMENTE

- 06 **Micro Forceps** | Mikropinzetten
- 11 **Micro Needle Holders** | Mikronadelhalter
- 16 **Micro Scissors** | Mikroscheren
- 21 **Micro Container** | Container



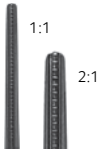
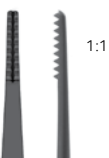
Titanium Titan

CERAMO® RONDO MICRO FORCEPS | CERAMO® RONDO MIKROPINZETTEN

	JAW WIDTH MAUL BREITE	TOTAL LENGTH / GESAMTLÄNGE				
		150 mm	180 mm	210 mm	230 mm	250 mm
 TCM	0.15 mm	COV-6				
	0.3 mm	COV-2	COV-4			
	0.5 mm	COA-3	COA-4	COA-5	COA-6	
	0.7 mm		COC-2	COC-3		
	1.0 mm		COY-6 COY-2	COY-7	COY-8	
 TCM	0.3 mm		COV-3			
	0.5 mm				COE-4	
 TCM 1 x 2 TEETH/ZÄHNE	0.35 mm	COS-1	COS-2	COS-3		
	0.7 mm		COX-2	COX-3		
 TCM	1.0 mm		COB-1 COF-1	COB-3 COF-3	COB-5 COF-5	COB-9
	2.0 mm		COB-2	COB-4	COB-6	



1:1

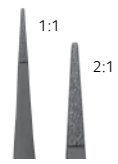
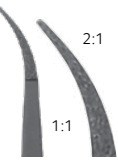
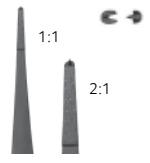
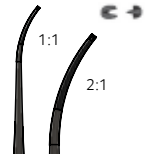
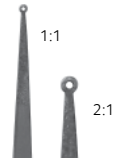
	JAW WIDTH MAUL BREITE	TOTAL LENGTH / GESAMTLÄNGE				
		150 mm	180 mm	210 mm	230 mm	250 mm
 TCM	1.0 mm			COX-7		
	1.2 mm	COD-0	COD-1 COD-4	COD-2 COD-5	COD-3 COD-6	COF-0
 NON-TRAUMATIC ATRAUMATISCH	1.5 mm		COE-5	COD-9	COE-7	
	1.8 mm		COE-9			
 NON-TRAUMATIC ATRAUMATISCH	1.2 mm		COC-6	COD-8		
	1.0 mm		COS-0			
 BOULITO VALVE KLASPE	1.5 mm		COS-7	COS-8		

TCM stands for **Tungsten Carbide Melt**. This is an additional layer applied to the surface of an instrument, which has a fine, rough surface structure.

TCM steht für **Tungsten Carbide Melt**. Dabei handelt es sich um eine flächig aufgetragene Zusatzschicht auf einem Instrument, die eine feine, raue Oberflächenstruktur aufweist.

Titanium Titan

CERAMO® RONDO TORLOCK® MICRO FORCEPS | CERAMO® RONDO TORLOCK® MIKROPINZETTEN

	JAW WIDTH MAUL BREITE	TOTAL LENGTH / GESAMTLÄNGE				
		150 mm	180 mm	210 mm	230 mm	250 mm
 TCM	0.15 mm	COV-6T				
	0.3 mm	COV-2T	COV-4T			
	0.5 mm	COA-3T	COA-4T	COA-5T	COA-6T	COA-9T
	0.7 mm				COC-4T	
	1.0 mm	COY-5T	COY-6T	COY-7T COY-3T	COY-8T	COY-9T
	1.2 mm		CZA-4T			
	1.5 mm	CZA-6T				
 TCM	0.15 mm	COV-5T				
	0.3 mm	COV-1T	COV-3T			
	0.5 mm	COE-1T	COE-2T	COE-3T	COE-4T	
 TCM 1 x 2 TEETH/ZÄHNE	0.35 mm	COS-1T	COS-2T	COS-3T	COS-4T	
	0.7 mm	COX-1T	COX-2T	COX-3T	COX-4T	
 TCM 1 x 2 TEETH/ZÄHNE	0.7 mm		COX-5T			
 TCM	1.0 mm	COB-7T	COB-1T	COB-3T	COB-5T	COB-9T
	2.0 mm	COB-8T	COB-2T	COB-4T	COB-6T	

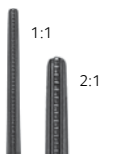
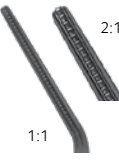
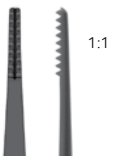


1:1

TOR - Torsion | LOCK - Stop

The purpose of the TORLOCK® mechanism is to guide the forceps earlier to ensure parallel alignment of the working ends as well as to prevent misalignment of the jaws during rotation when the forceps are closed. TORLOCK® mechanism consists of a tongue and groove at the distal end of the branch.

Der Zweck des TORLOCK® Mechanismus ist es die Pinzette frühzeitig zu führen, um das parallele Schließen der Arbeitsenden sicherzustellen sowie beim Drehen der Pinzette im geschlossenen Zustand das Überwerfen der Maulteile zu verhindern. Der TORLOCK® Mechanismus besteht aus einer Feder und einer Nut am distalen Ende des Griffs.

	JAW WIDTH MAUL BREITE	TOTAL LENGTH / GESAMTLÄNGE				
		150 mm	180 mm	210 mm	230 mm	250 mm
 TCM	1.0 mm		COA-7T	COX-7T		
	1.2 mm			COH-9T		
	2.0 mm		COA-8T	COX-8T		
 NON-TRAUMATIC ATRAUMATISCH	1.2 mm	COD-0T	COD-1T	COD-2T COD-5T	COD-3T COD-6T	COF-0T
	1.5 mm		COE-5T	COD-9T	COE-7T	
	1.8 mm		COE-9T	COE-6T	COE-8T	
	2.5 mm			COV-0T		
 NON-TRAUMATIC ATRAUMATISCH	1.2 mm		COC-6T	COD-8T		
 BOULITO VALVE Klappe	1.0 mm		COS-0T			
	1.5 mm		COS-7T	COS-8T	COR-0T	

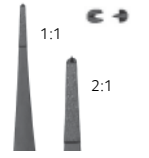
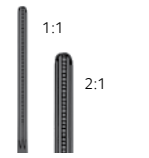
TCM stands for **Tungsten Carbide Melt**. This is an additional layer applied to the surface of an instrument, which has a fine, rough surface structure.

TCM steht für **Tungsten Carbide Melt**. Dabei handelt es sich um eine flächig aufgetragene Zusatzschicht auf einem Instrument, die eine feine, raue Oberflächenstruktur aufweist.

Developed in cooperation with / Entwickelt in Zusammenarbeit mit:
Prof. Dr. med. Alexander Assmann
Universitätsklinikum Düsseldorf | Klinik für Herzchirurgie
Moorenstr. 5 | 40225 Düsseldorf | Germany

Titanium Titan

CERAMO® PLANO MICRO FORCEPS | CERAMO® PLANO MIKROPINZETTEN

	JAW WIDTH MAUL BREITE	TOTAL LENGTH / GESAMTLÄNGE			
		150 mm	180 mm	210 mm	230 mm
 TCM 1 x 2 TEETH/ZÄHNE	0.7 mm	COJ-4		COJ-6	COJ-7
 NON-TRAUMATIC ATRAUMATISCH	1.2 mm		COL-2	COL-3	COL-8

TCM stands for **Tungsten Carbide Melt**. This is an additional layer applied to the surface of an instrument, which has a fine, rough surface structure.

TCM steht für **Tungsten Carbide Melt**. Dabei handelt es sich um eine flächig aufgetragene Zusatzschicht auf einem Instrument, die eine feine, raue Oberflächenstruktur aufweist.



1:1

CERAMO® PLANO MICRO NEEDLE HOLDERS | CERAMO® PLANO MIKRONADELHALTER

Grasping surface: TCM
Greifflächen: TCM

		TOTAL LENGTH / GESAMTLÄNGE			
		150 mm	180 mm	210 mm	230 mm
 1.0 mm Max. 7x0	WITH LOCK MIT SPERRE	KOC-3	KOC-4	KOC-7 KOM-3	KOC-5
 2.0 mm Max. 5x0	WITH LOCK MIT SPERRE		KOZ-2	KOZ-3	KOZ-4

Max. Suture size
Max. Fadenstärke



1:1

CERAMO® RONDO MICRO NEEDLE HOLDERS | CERAMO® RONDO MIKRONADELHALTER

Grasping surface: TCM
Greifflächen: TCM



Titanium Titan

	JAW WIDTH MAUL BREITE	TOTAL LENGTH / GESAMTLÄNGE				
		150 mm	180 mm	210 mm	230 mm	250 mm
 1:1 0.5 mm Max. 9x0	With lock Mit sperre		KOD-9	KOE-9		
	Without lock Ohne sperre	KOD-6	KOE-0			
 1:1 0.5 mm Max. 9x0	With lock Mit sperre	KOD-7	KOE-1			
	Without lock Ohne sperre	KOD-8	KOE-2			
 1:1 1.0 mm Max. 7x0	With lock Mit sperre	KOA-1	KOA-3 KOB-3	KOA-5 KOB-5	KOA-7 KOB-7	KOA-0
	Without lock Ohne sperre			KOA-6 KOB-6	KOA-8	KOA-9
 1:1 1.0 mm Max. 7x0	With lock Mit sperre		KOL-3	KOL-5	KOL-7	
	Without lock Ohne sperre		KOL-4		KOL-8	
 1:1 1.5 mm Max. 6x0	With lock Mit sperre	KOT-8	KOT-5	KOT-6	KOT-7	KOS-9
	Without lock Ohne sperre				KOU-0	
 1:1 1.5 mm Max. 6x0	With lock Mit sperre					
	Without lock Ohne sperre		KOY-0	KOY-9		
 1:1 2.0 mm Max. 5x0	With lock Mit sperre	KOT-2	KOD-1	KOD-3	KOT-3	KOT-0
	Without lock Ohne sperre		KOD-2	KOD-4	KOT-4	

Max. Suture size
Max. Fadenstärke

TCM stands for **Tungsten Carbide Melt**. This is an additional layer applied to the surface of an instrument, which has a fine, rough surface structure.

TCM steht für **Tungsten Carbide Melt**. Dabei handelt es sich um eine flächig aufgetragene Zusatzschicht auf einem Instrument, die eine feine, raue Oberflächenstruktur aufweist.

CERAMO® MICRO NEEDLE HOLDERS | CERAMO® MIKRONADELHALTER

Grasping surface: TCM. Strong model, with lock.
Greifflächen: TCM. Starkes modell, mit Sperre.

	HANDLE GRIFF	TOTAL LENGTH / GESAMTLÄNGE			
		190 mm	230 mm	250 mm	300 mm
 1:1 2.5 mm Max. 3x0	RONDO	KOV-9	KOU-4	KOU-5	KOU-3
			KOU-4H	KOU-5T	
 1:1 2.5 mm Max. 3x0	RONDO				KOU-6
 1:1 2.0 mm Max. 3x0	PLANO			KOW-0	

Max. Suture size
Max. Fadenstärke

TCM stands for **Tungsten Carbide Melt**. This is an additional layer applied to the surface of an instrument, which has a fine, rough surface structure.

TCM steht für **Tungsten Carbide Melt**. Dabei handelt es sich um eine flächig aufgetragene Zusatzschicht auf einem Instrument, die eine feine, raue Oberflächenstruktur aufweist.

TC stands for **Tungsten Carbide**. These are conventional carbide inserts with a pyramid-shaped milled surface structure.

TCM steht für **Tungsten Carbide**. Dabei handelt es sich um konventionelle Hartmetallplättchen mit pyramidenförmig gefräster Oberflächenstruktur.



PLANO



RONDO

CERAMO® RONDO MICRO SCISSORS |
CERAMO® RONDO MIKROSCHEREN



		TOTAL LENGTH / GESAMTLÄNGE				
		120 mm	150 mm	180 mm	210 mm	230 mm
 10 mm	Pointed Spitz		BSN-5	BSN-3		
 10 mm	Pointed Spitz	BSL-3	BSN-6	BSN-4		
 14 mm	Pointed Spitz				BRK-6	
 14 mm	Serrated Gezahnt		BRL-2			
 14 mm	Pointed Spitz		BRK-1	BRK-3	BRK-5	BRK-7
 14 mm	Blunt Stumpf			BSI-2	BSI-3	

CERAMO® PLANO MICRO SCISSORS |
CERAMO® PLANO MIKROSCHEREN



		TOTAL LENGTH / GESAMTLÄNGE			
		150 mm	180 mm	210 mm	230 mm
 10 mm	Pointed Spitz		BRV-6		
 10 mm	Blunt Stumpf		BRV-8		
 14 mm	Pointed Spitz	BRC-2	BRC-4	BRC-6	BRC-8
 14 mm	Serrated Gezahnt		BRE-2		
 14 mm	Pointed Spitz		BRC-3	BRC-5	

CERAMO® RONDO VASCULAR SCISSORS |
CERAMO® RONDO GEFÄSS-SCHEREN

		TOTAL LENGTH / GESAMTLÄNGE	 1:1 7 MM	 1:1 10 MM
 1:1 45°	Pointed Spitz	180 mm		BSM-2
		210 mm		BSI-6
		250 mm		BSL-6
	Ballpointed Mit Knopf	180 mm		BSD-2
 1:1 60°	Pointed Spitz	180 mm		BSM-3
		210 mm		BSI-7
 1:1 125°	Pointed Spitz	170 mm	BSP-5	BSM-5
		210 mm		BSI-9
		250 mm		BSL-9



CERAMO® PLANO VASCULAR SCISSORS |
CERAMO® PLANO GEFÄSS-SCHEREN

		TOTAL LENGTH / GESAMTLÄNGE	 1:1 7 MM	 1:1 10 MM
 1:1 25°	Pointed Spitz	180 mm	BSM-6	
		250 mm		BSK-6
 1:1 45°	Pointed Spitz	180 mm	BSM-7	BSK-2
		250 mm		BSK-7
 1:1 60°	Pointed Spitz	180 mm		BSK-3
		250 mm		BSN-0
 1:1 125°	Pointed Spitz	170 mm		BSK-5



CERAMO® PLANO VASCULAR SCISSORS |
CERAMO® PLANO GEFÄSS-SCHEREN

	 7 MM	 10 MM
 25°		BRA-OL
 45°		BRA-6L
 125°		BRA-8



PLASTIC CONTAINER WITH SILICONE MAT |
KUNSTSTOFFCONTAINER MIT SILIKONMATTEN

For straight instruments
Für gerade Instrumente

TOTAL LENGTH / GESAMTLÄNGE	ART. NUMBER
250 x 150 x 20 mm	UCA-4
381 x 254 x 19 mm	UCA-1



PLASTIC CONTAINER WITH SILICONE MAT |
KUNSTSTOFFCONTAINER MIT SILIKONMATTEN

For bayonet-shaped instruments
Für bajonettförmige Instrumente

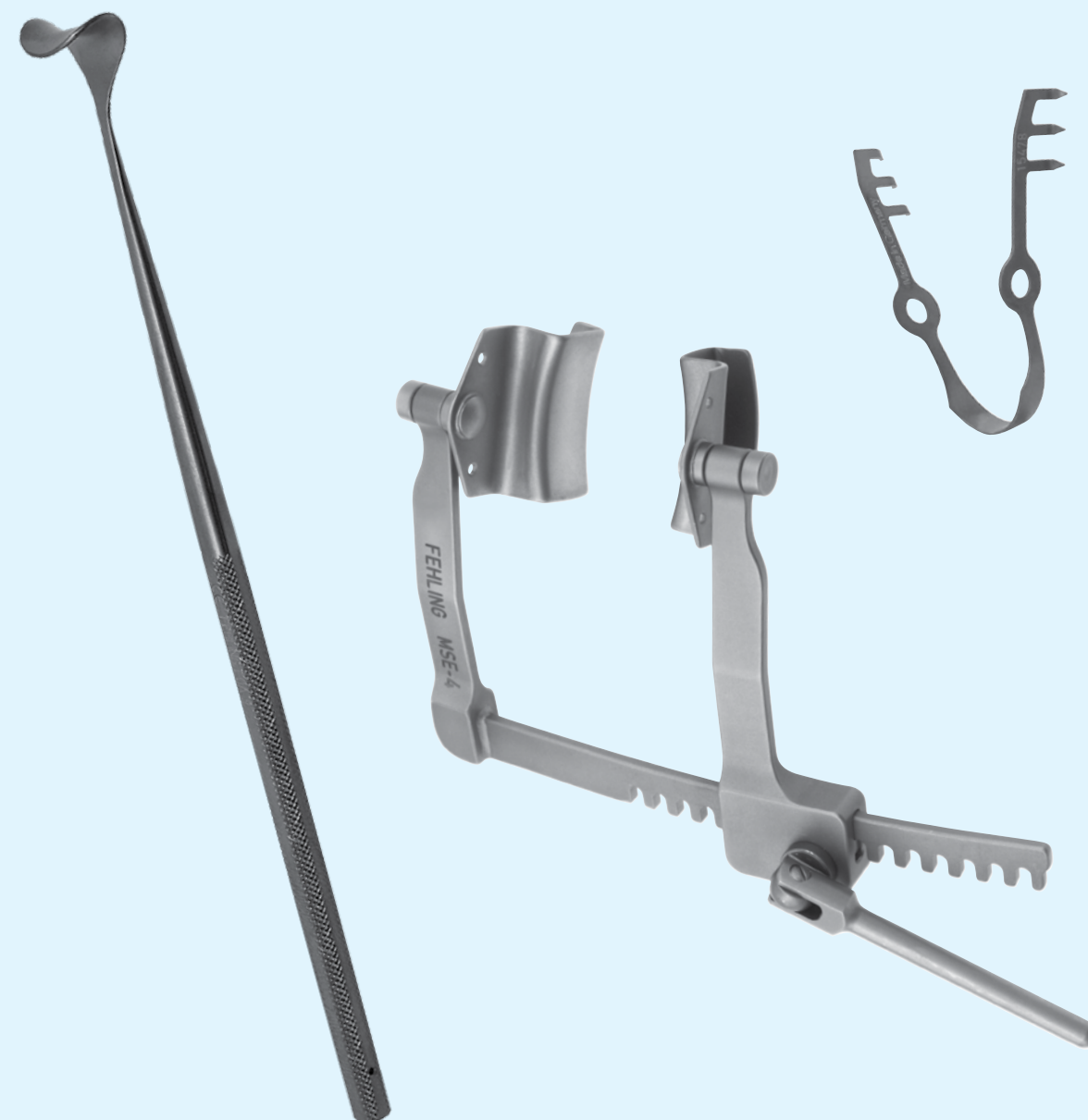
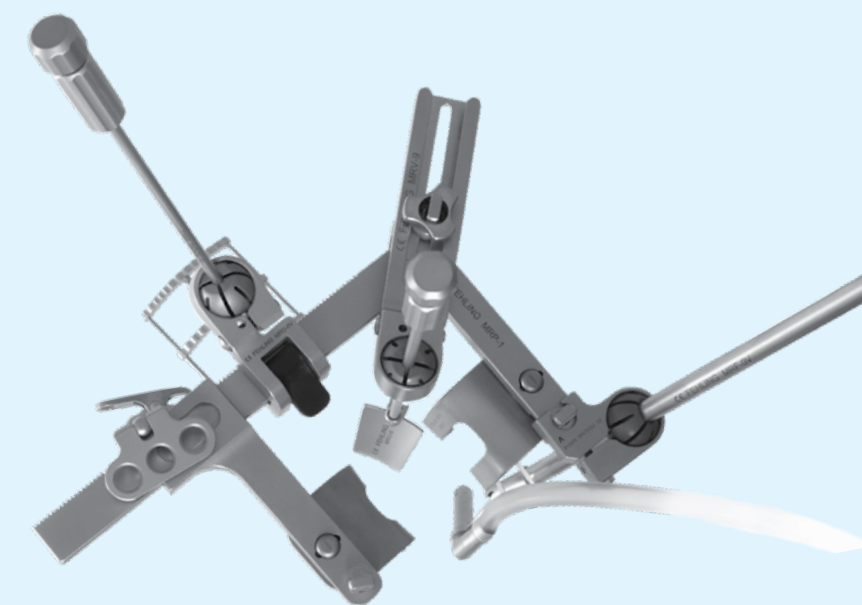
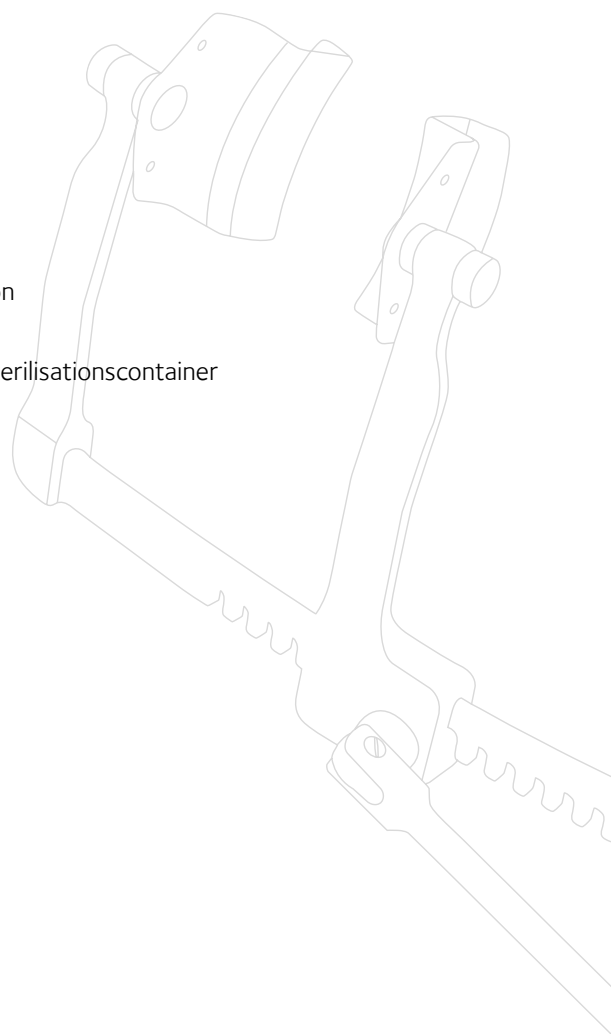
TOTAL LENGTH / GESAMTLÄNGE	ART. NUMBER
250 x 150 x 43 mm	UCA-9
381 x 254 x 43 mm	UCA-8



SPREADING AND RETRACTING INSTRUMENTS

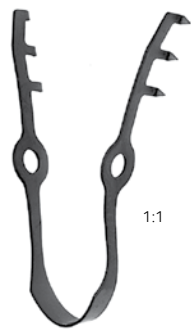
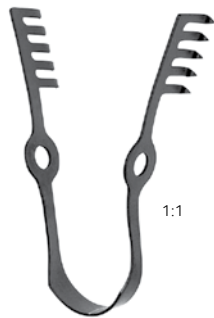
INSTRUMENTE ZUM SPREIZEN UND HALTEN

- 24 **Retractors** | Spreizer
- 27 **Sternum / Rib Retractors for Pediatric Surgery** | Sternum- / Rippenspreizer für Kinderherzchirurgie
- 32 **Sternum Retractors** | Sternumspreizer
- 33 **Universal Sternum Retractors** | Universal Sternotomiespreizer
- 41 **Sternum / Rib Retractors** | Sternum- / Rippenspreizer
- 44 **Accessories For Retractors** | Zubehör für Spreizer
- 45 **Sternal / IMA Retractors** | Sternum- / IMA-Spreizer
- 46 **Atrial Retractors** | Vorhofspreizer
- 52 **MICS Retractors** | MICS Spreizer
- 63 **Accessories** | Zubehör
- 65 **MIDCAB Stabilisator** | Midcab Stabilisator
- 69 **Thoracic Retractors** | Thoraxspreizer
- 72 **Atrium Retractors** | Vorhofspreizer
- 74 **Hooks** | Wundhaken
- 77 **Retractor for AV-Exposure** | Retraktor für AK-Exposition
- 78 **MIDCAB/IMA Retractors** | MIDCAB/IMA Spreizer
- 83 **Storage and Sterilisation Tray** | Aufbewahrungs- und Sterilisationscontainer



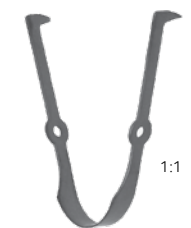
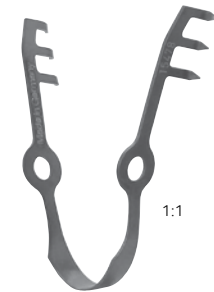
CERAMO® SUPERFLEX
CORONARY RETRACTORS |
CERAMO® SUPERFLEX FETTSPREIZER

PRESSURE SPREIZDRUCK	ART. NUMBER
0,6 N	MNE-2
1,2 N	MNE-1



SMALL / KLEIN	
PRESSURE SPREIZDRUCK	ART. NUMBER
0,6 N	MNE-3

2x3 TEETH / ZÄHNE	
PRESSURE SPREIZDRUCK	ART. NUMBER
0,6 N	MNE-3V



1-PONGED / 1-ZAHNIG	
PRESSURE SPREIZDRUCK	ART. NUMBER
0,6 N	MNE-4

SUPERFLEX instruments are made of shapememory metal. These instruments are super-elastic in normal O.R. temperatures. Their shape conforms to soft external pressure, yet the instruments regain their normal shape once the pressure is removed. No long-term alteration of shape is possible.

SUPERFLEX-Instrumente sind aus Metall mit Formgedächtnis. Sie sind bei normaler OP-Temperatur superelastisch. Ihre Form folgt jedem von außen kommenden Druck und sie gewinnen ihre ursprüngliche Form wieder, sobald der Druck entfällt. Ergebnis: Es wird keine bleibende Verformung verursacht.

SUPERFLEX SOFT TISSUE
RETRACTOR | SUPERFLEX
WEICHGEWEBERETRAKTOR

SIZE GRÖSSE	ART. NUMBER
200 x 25 mm	MTI-0



STERILISATION AND STORAGE TRAY SOFT
TISSUE RETRACTOR | STERILISIER- UND
LAGERSIEB WEICHGEWEBERETRAKTOR

For MTI-0
Für MTI-0

SIZE GRÖSSE	ART. NUMBER
220 x 51,2 x 19,5 mm	MTK-0S



SOMOHA RETRACTOR |
SOMOHA SPREIZER

SPREADING WIDTH SPREIZWEITE	WIDTH BREITE	LENGTH LÄNGE	ART. NUMBER
D 19-21 mm	14 mm	87 mm	MTJ-1
D 21-23 mm	14 mm	93 mm	MTJ-2
D 23-25 mm	14 mm	100 mm	MTJ-3



SOMOHA 2 RETRACTOR |
SOMOHA 2 SPREIZER

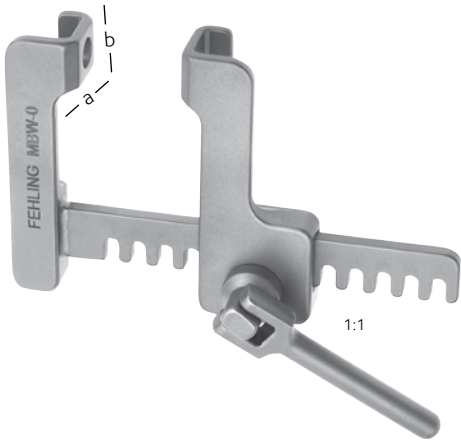
SPREADING WIDTH SPREIZWEITE	WIDTH BREITE	LENGTH LÄNGE	ART. NUMBER
D 20-27 mm	14 mm	100 mm	MTJ-4
D 20-27 mm	10 mm	100 mm	MTJ-5
D 20-28 mm	14 mm	105 mm	MTJ-6
D 20-28 mm	10 mm	105 mm	MTJ-7
D 20-30 mm	14 mm	111 mm	MTJ-8
D 20-30 mm	10 mm	111 mm	MTJ-9



Titanium Titan

TITANIUM STERNUM / RIB RETRACTORS |
TITAN STERNUM- / RIPPENSPEIZER

SPREADING WIDTH SPREIZWEITE	BLADE SIZE BLATTGRÖSSE a x b	ART. NUMBER
30 mm	10 x 7 mm	MBW-0

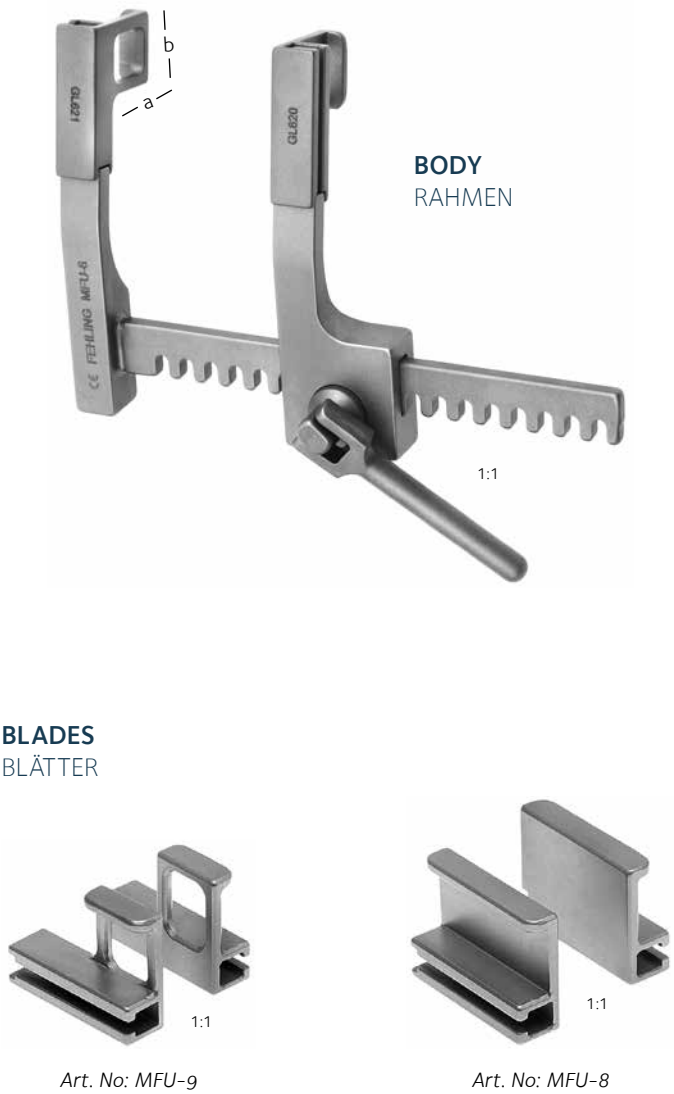


Titanium Titan

TITANIUM STERNUM / RIB RETRACTORS |
TITAN STERNUM- / RIPPENSPREIZER

Complete set / Komplettes Set
MFU-6

SPREADING WIDTH SPREIZWEITE	BLADE SIZE (PAIR) BLATTGRÖSSE (PAAR)	ART. NUMBER
52 mm		MFU-6R
	10 x 20 mm	MFU-8
	10 x 10 mm	MFU-9

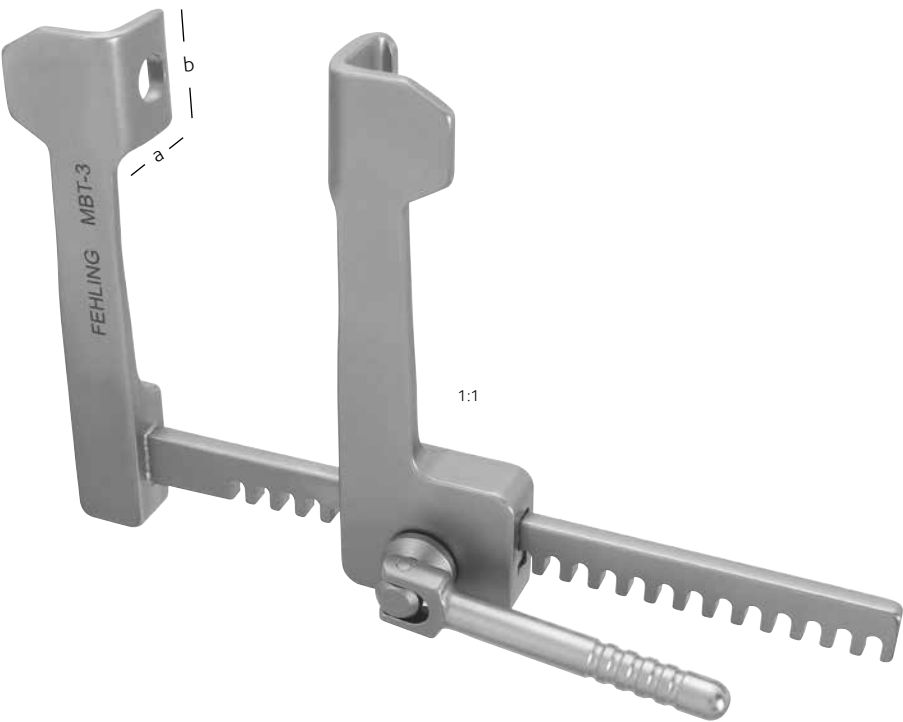


FINOCHIETTO STERNUM / RIB RETRACTORS |
FINOCHIETTO STERNUM- / RIPPENSPREIZER

For pediatric surgery
Für Kinderchirurgie

SPREADING WIDTH SPREIZWEITE	BLADE SIZE BLATTGRÖSSE a x b	ART. NUMBER
75 mm	16 x 15 mm	MBT-3
75 mm	21 x 21 mm	MBT-4
90 mm	31.5 x 35 mm	MBT-5

All patterns also available in CERAMO®.
Alle Modelle auch in CERAMO® erhältlich.



Titanium Titan

MORSE STERNUM / RIB RETRACTORS |
MORSE STERNUM- / RIPPENSPREIZER

For pediatric surgery
Für Kinderchirurgie

SPREADING WIDTH SPREIZWEITE	BLADE SIZE BLATTGRÖSSE a x b	ART. NUMBER
40 mm	14 x 12 mm	MSB-1
65 mm	14 x 12 mm	MSB-2
90 mm	20 x 15 mm	MSB-6
110 mm	20 x 15 mm	MSB-7
160 mm	23 x 20 mm	MSB-5

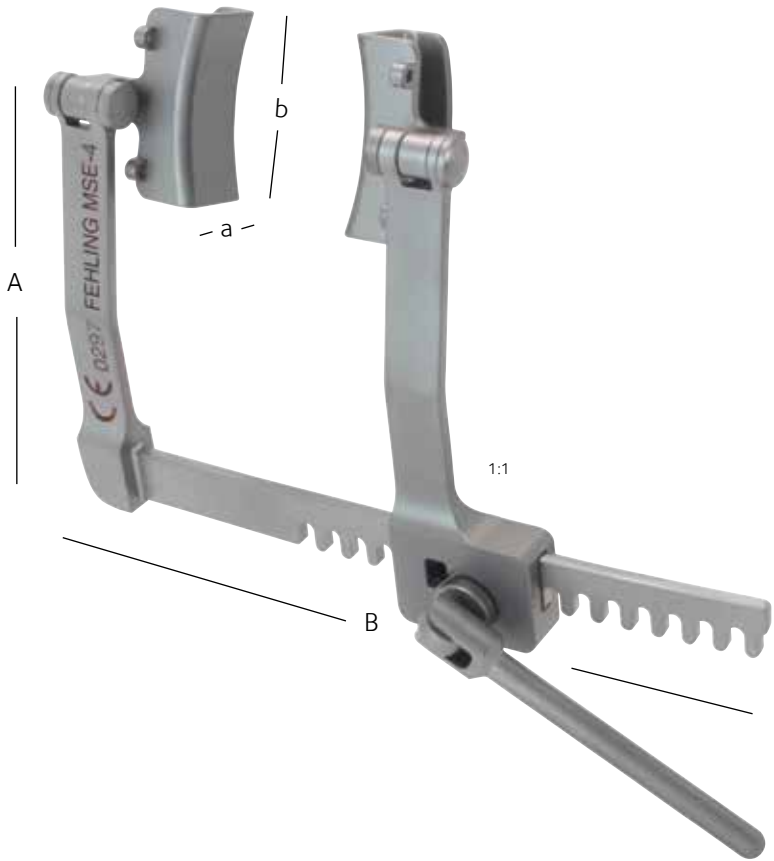


BOULITO STERNUM / RIB RETRACTORS |
BOULITO STERNUM- / RIPPENSPREIZER

For pediatric surgery
Für Kinderchirurgie

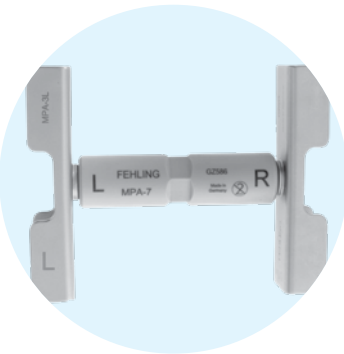
BODY SIZE RAHMENGROSSE A / B	BLADE SIZE BLATTGRÖSSE a x b	SPREADING WIDTH SPREIZWEITE	PATIENT WEIGHT KÖRPERGEWICHT	ART. NUMBER
60 / 100 mm	12 x 25 mm	50 mm	≤ 5 kg	MSE-4
75 / 120 mm	18 x 35 mm	70 mm	5 - 15 kg	MSE-5
100 / 140 mm	21 x 55 mm	90 mm	15 - 30 kg	MSE-6
150 / 280 mm	30 x 100 mm	150 mm	30 - 60 kg	MSE-9 *

* Stainless steel
* Rostfreier Stahl



CALAFIORE STERNAL RETAINER |
CALAFIORE STERNUMOFFENHALTER

			
	STERNUM BLADE STERNUMBLATT		SCREW NUT MUTTER SINGLE USE
	LEFT LINKS	RIGHT RECHTS	
NEONATAL			MPA-5 25-35 mm Ø 8
PEDIATRIC			MPA-6 45-65 mm Ø 12
ADULT	MPA-3L 15-70 mm	MPA-3R 15-70 mm	MPB-3
ADIPOSIS	MPA-4L 20-100 mm		
OSTEOPOROSIS	MPB-5L 15 x 30 mm	MPB-5R 15 x 30 mm	
	MPB-6L 20 x 30 mm*	MPB-6R 20 x 30 mm	



Exemplary configuration
Konfigurationsbeispiel
Adult - Adiposis

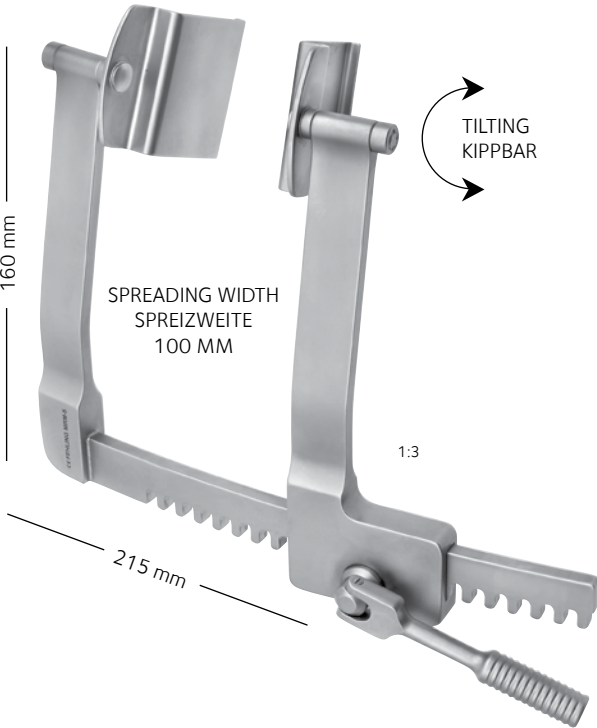


Exemplary configuration
Konfigurationsbeispiel
Osteoporosis

MARJAN RETRACTORS |
MARJAN SPREIZER

For partial sternotomy
Für partielle Sternotomie

BLADE SIZE BLATTGRÖSSE a x b	ART. NUMBER
35 x 50 mm	MRM-5



MARJAN MGH UNIVERSAL STERNUM RETRACTORS |
MARJAN MGH UNIVERSAL STERNOTOMIESPREIZER

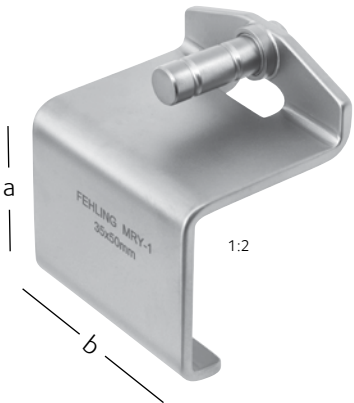


MARJAN MGH UNIVERSAL BODY |
MARJAN MGH UNIVERSAL RAHMEN
MRY-6

MARJAN MGH RETRACTING BLADES |
MARJAN MGH HALTEBLÄTTER

For partial sternotomy / L-Cut (pair)
Für partielle Sternotomie / L-Schnitt (Paar)

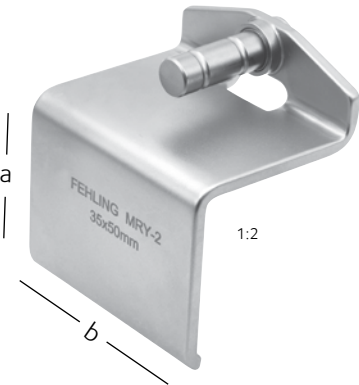
BODY SIZE RAHMENGROSSE a x b	ART. NUMBER
35 x 50 mm	MRY-1



MARJAN MGH RETRACTING BLADES |
MARJAN MGH HALTEBLÄTTER

For partial sternotomy / Z-Cut (pair)
Für partielle Sternotomie / Z-Schnitt (Paar)

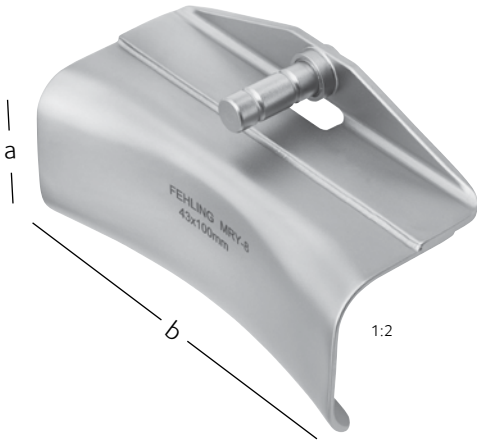
BODY SIZE RAHMENGROSSE a x b	ART. NUMBER
35 x 50 mm	MRY-2



MARJAN MGH RETRACTING BLADES |
MARJAN MGH HALTEBLÄTTER

For total sternotomy, convex (pair)
Für totale Sternotomie, konvex (paar)

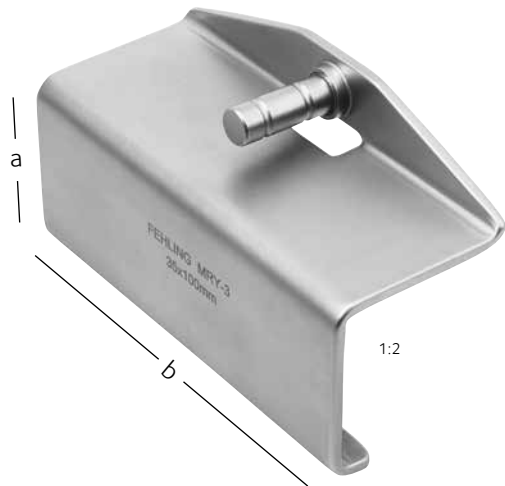
BODY SIZE RAHMENGROSSE a x b	ART. NUMBER
34 x 100 mm	MRY-7
43 x 100 mm	MRY-8
50 x 100 mm	MRY-9



MARJAN MGH RETRACTING BLADES |
MARJAN MGH HALTEBLÄTTER

For total sternotomy
Für totale Sternotomie

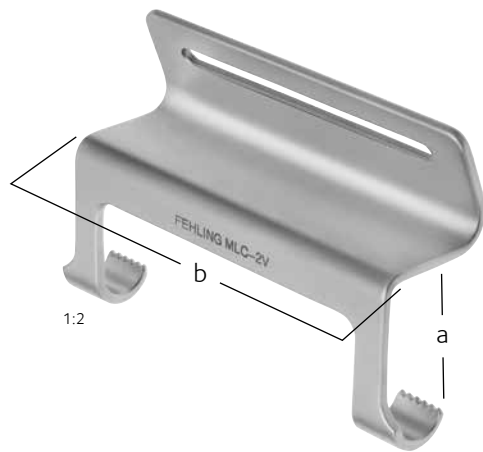
BODY SIZE RAHMENGROSSE a x b	ART. NUMBER
35 x 70 mm	MRY-3K
35 x 100 mm	MRY-3
45 x 100 mm	MRY-4



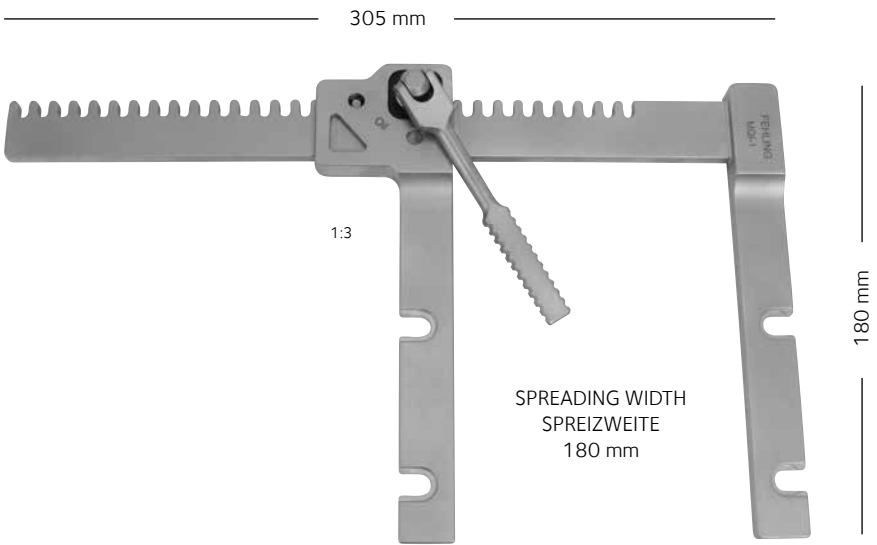
BAYKUT RETRACTING BLADES |
BAKYUT HALTEBLÄTTER

IMA retracting blade
IMA Halteblatt

BODY SIZE RAHMENGROSSE a x b	ART. NUMBER
15 x 90 mm	MLC-2V
15 x 120 mm	MLM-3V

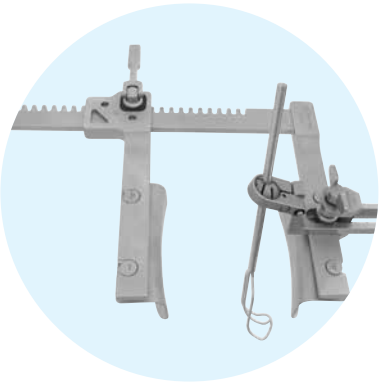
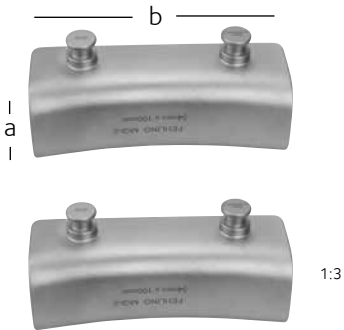


FALK BODY |
FALK RAHMEN
MQI-1



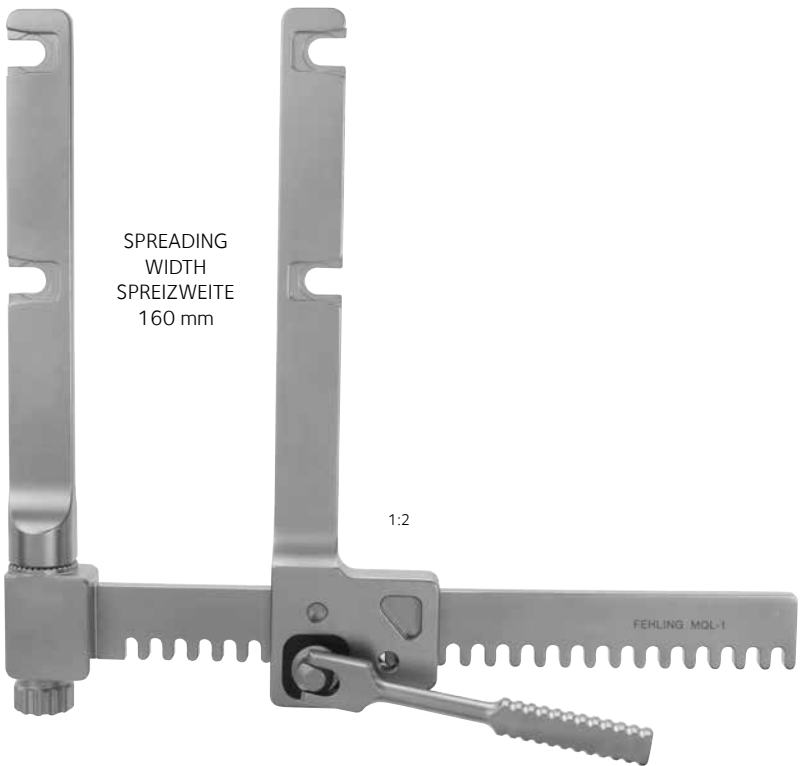
FALK RETRACTOR BLADES (PAIR) |
FALK SPREIZERBLATT (PAAR)

BLADE SIZE BLATTGRÖSSE a x b	ART. NUMBER
34 x 100 mm	MQI-2
43 x 100 mm	MQI-3



Exemplary configuration
Konfigurationsbeispiel

CEBOTARI UNIVERSAL STERNAL RETRACTOR |
CEBOTARI UNIVERSAL STERNUMSPREIZER
MQL-1

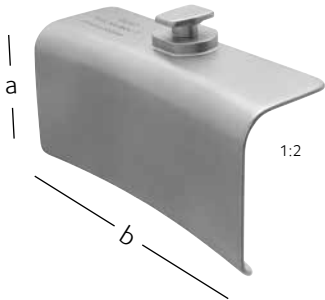


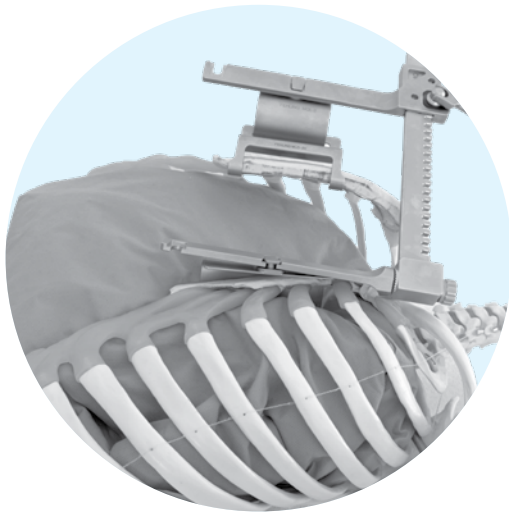
CEBOTARI IMA BLADE |
CEBOTARI IMA-BLATT
MQL-3



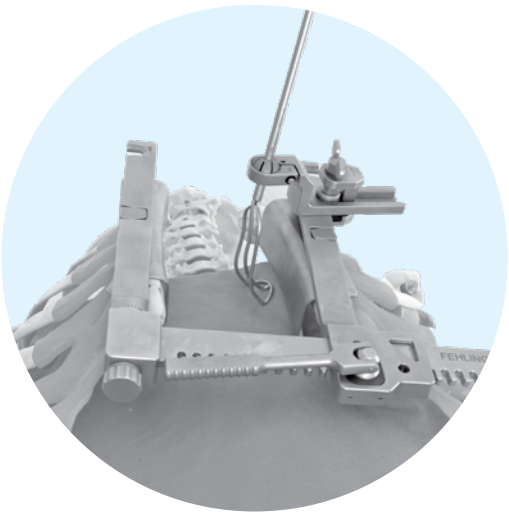
CEBOTARI STERNOTOMY BLADE (PAIR) |
CEBOTARI STERNUMBLATT (PAAR)

BLADE SIZE BLATTGRÖSSE a x b	ART. NUMBER
34 x 50 mm	MQL-4
43 x 50 mm	MQL-5
34 x 100 mm	MQL-6
43 x 100 mm	MQL-2
50 x 100 mm	MQL-7
43 x 120 mm	MQM-1





Exemplary configuration for
IMA exposure ¹
Konfigurationsbeispiel als
IMA-Spreizer ¹



Exemplary configuration with
atrial retractor ²
Konfigurationsbeispiel mit
atrialem Haken ²

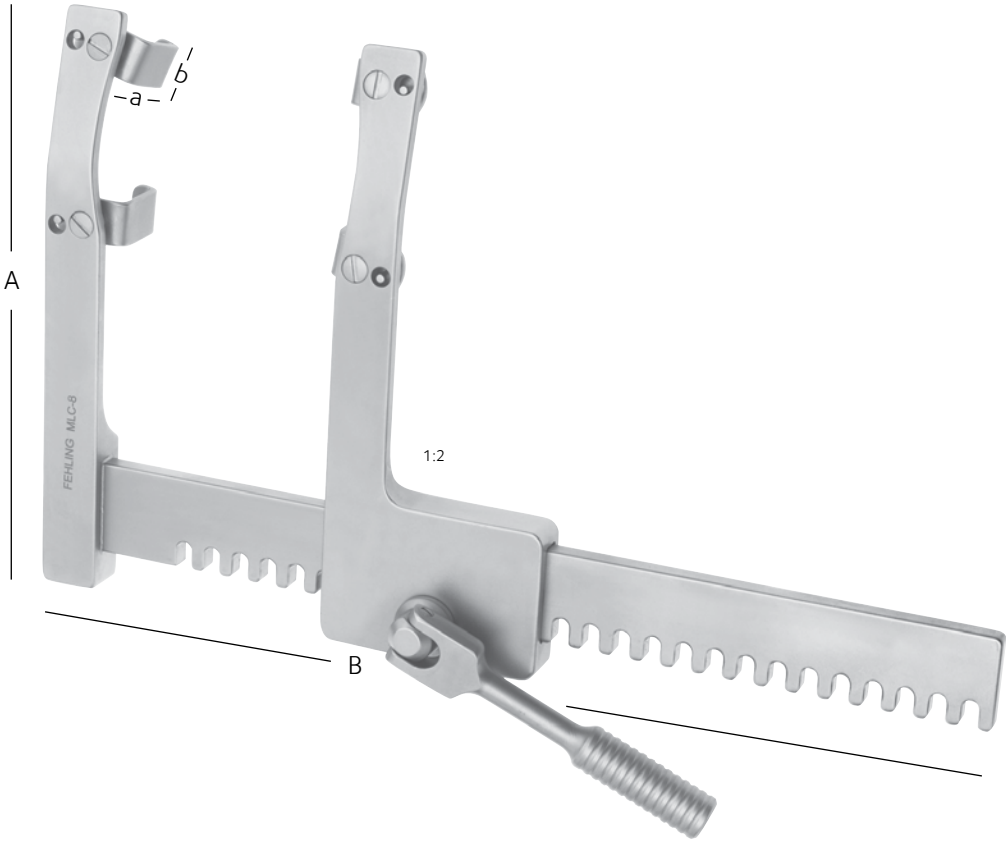
ACCESSORIES / ZUBEHÖR

¹ for IMA exposure / zur Darstellung der IMA
Baykut-IMA blade / Baykut-IMA-Blatt
MLC-2V
see page 36 / siehe Seite 36

² for atrial retraction / zur Vorhofretraktion
Ball adapter / Kugeladapter +
Atrial retractor / Vorhofhaken
see page 46 / siehe Seite 46

MORSE STERNUM / RIB RETRACTOR |
MORSE STERNUM- / RIPPENSPREIZER

BODY SIZE RAHMENGROSSE A / B	BLADE SIZE BLATTGRÖSSE a x b	SPREADING WIDTH SPREIZWEITE	ART. NUMBER
180 / 275 mm	40 x 35 mm	210 mm	MMZ-4

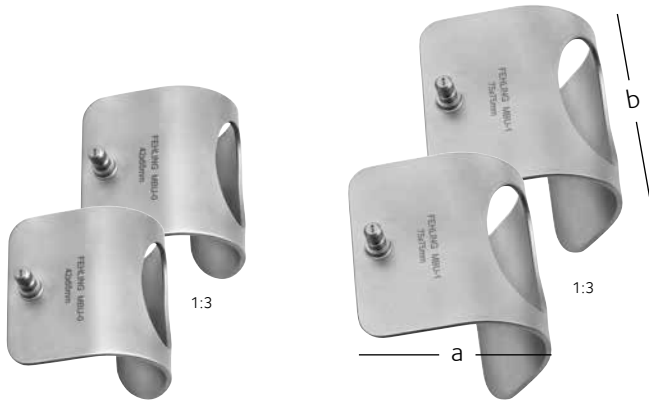


MERCEDES BODY |
MERCEDES RAHMEN
MBU-5



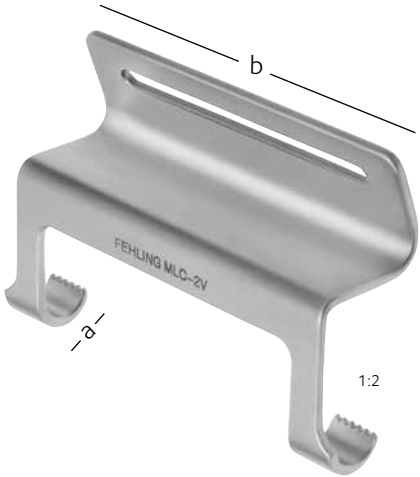
MERCEDES RETRACTING BLADES |
MERCEDES HALTEBLATT

BLADE SIZE BLATTGRÖSSE a x b	ART. NUMBER
48 x 65 mm	MBU-0
75 x 75 mm	MBU-1



BAYKUT IMA RETRACTING BLADES |
BAYKUT IMA HALTEBLATT

BLADE SIZE BLATTGRÖSSE a x b	ART. NUMBER
15 x 90 mm	MLC-2V
15 x 120 mm	MLM-3V



Exemplary configuration
Konfigurationsbeispiel



Exemplary configuration
Konfigurationsbeispiel

BLADE GUIDE | HAKENFÜHRUNG

MRF-0V
200 mm



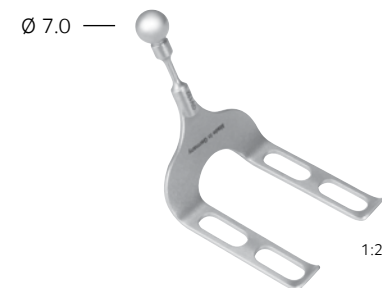
BALL JOINT ADAPTER* | KUGELGELENKADAPTER*

MRF-1V
For blade guide MRF-0V
Für Hakenführung MRF-0V

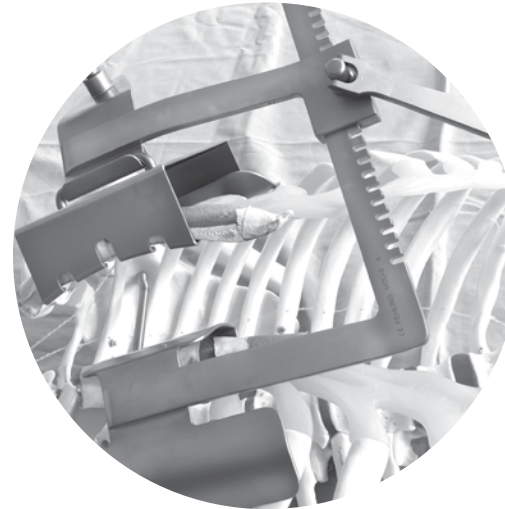


MYOCARDIAL STABILIZER | HERZMUSKELSTABILISATOR

MRR-3V



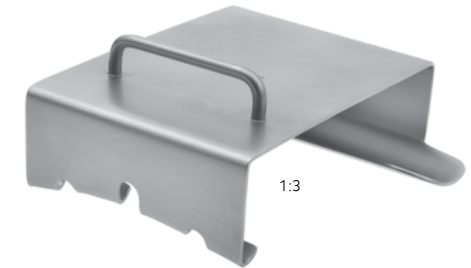
* Adaptable to most sternal retractors
* Verwendbar für die meisten Sternumspreizer



Exemplary configuration
Konfigurationsbeispiel

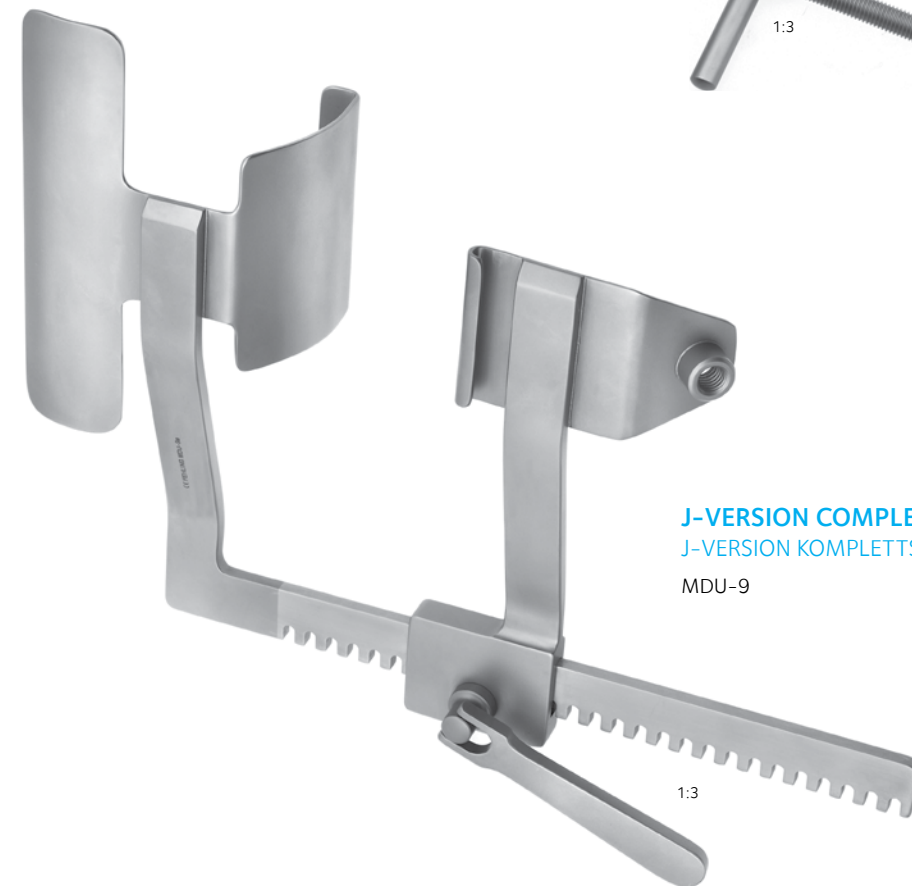
J-VERSION IMA-BLADE | J-VERSION IMA-BLATT

MDU-9B



J-VERSION ADJUSTMENT SCREW | J-VERSION EINSTELLSCHRAUBE

MDU-9C



J-VERSION COMPLETE SET | J-VERSION KOMPLETTSET

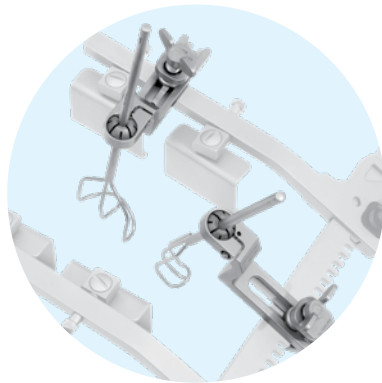
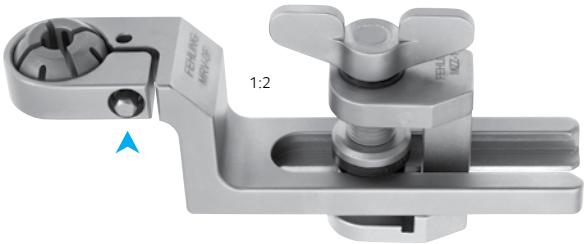
MDU-9

J-VERSION BODY | J-VERSION RAHMEN

MDU-9R

BALL JOINT ADAPTER BAYONET* + CLAMPING ELEMENT | KUGELADAPTER, BAYONETT* + BEFESTIGUNGSELEMENT

MRV-OF
MZZ-1N



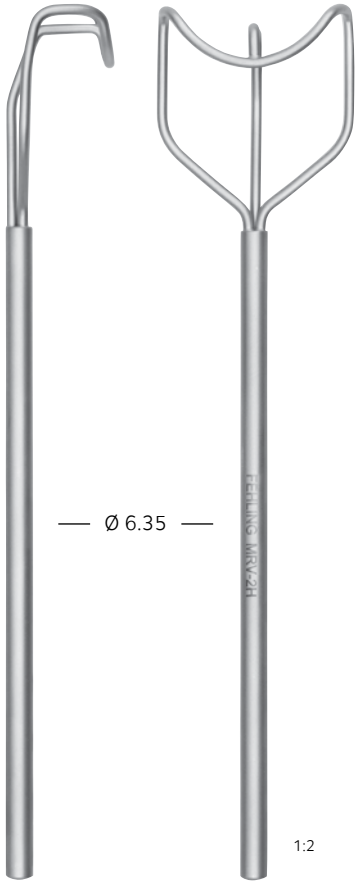
Exemplary configuration
Konfigurationsbeispiel

* Additional suitable adapters and clamping elements *see page 63*
* Weitere passende Adapter und Befestigungselemente *siehe Seite 63*

HOHE ATRIAL RETRACTORS TRICUSPID | HOHE VORHOFHAKEN TRICUSPID

Malleable
Biegsam

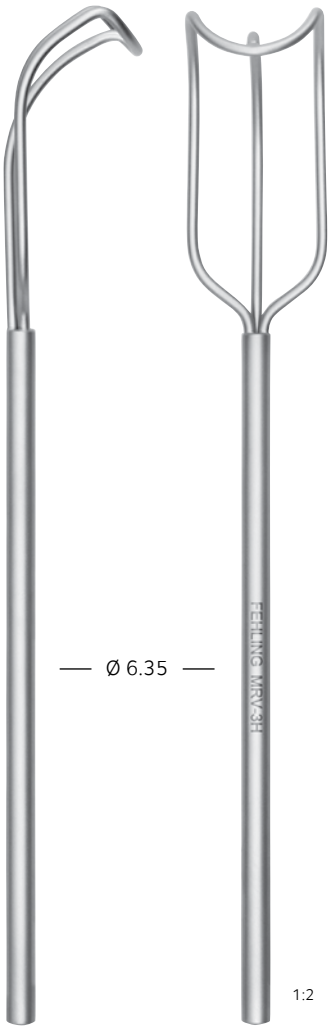
LENGTH LÄNGE	BLADE SIZE BLATTGRÖSSE a x b	ART. NUMBER
200 mm	45 x 45 mm	MRV-2L



HOHE ATRIAL RETRACTORS | HOHE VORHOFHAKEN

Malleable
Biegsam

LENGTH LÄNGE	BLADE SIZE BLATTGRÖSSE a x b	ART. NUMBER
150 mm	65 x 30 mm	MRV-3H
200 mm	65 x 30 mm	MRV-3L



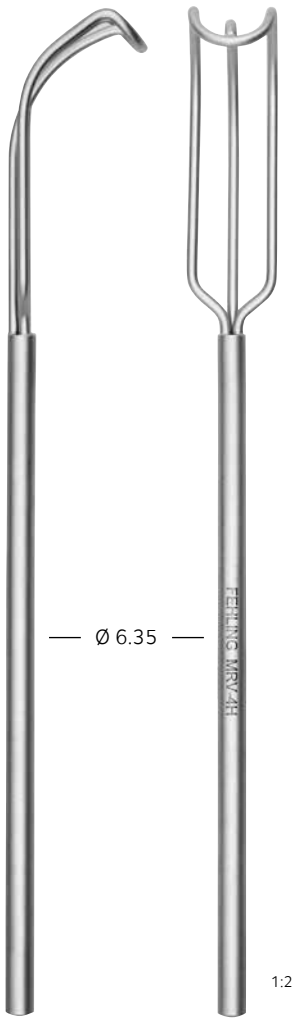
► Inside screw prevents jammed sutures and is space saving; **cardan screwdriver LMT-4** required for tightening.
For adapters with wing screw no screwdriver required.
► Innenliegende Schraube verhindert Einklemmen von Fäden und spart Platz; **Kardan Schraubendreher LMT-4** zum Anziehen erforderlich.
Für Adapter mit Flügelschraube kein Schraubendreher erforderlich.



HOHE ATRIAL RETRACTORS |
HOHE VORHOFHAKEN

Malleable
Biegsam

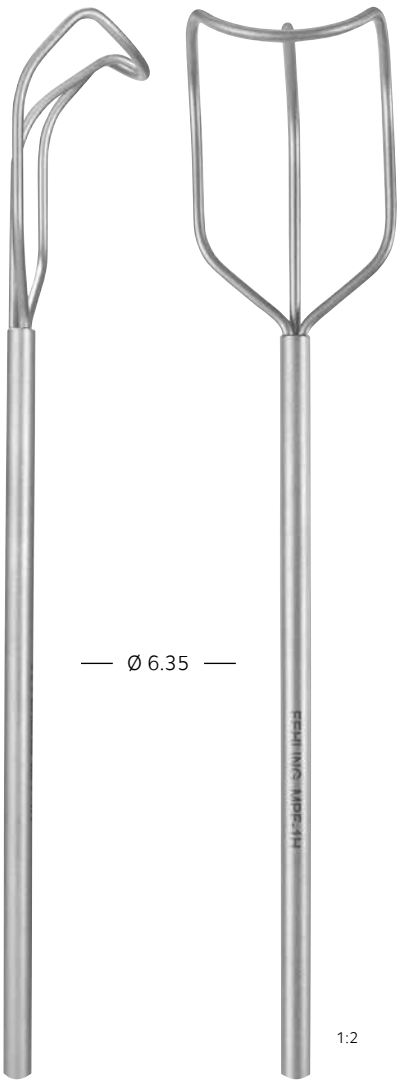
LENGTH LÄNGE	BLADE SIZE BLATTGRÖSSE a x b	ART. NUMBER
150 mm	65 x 20 mm	MRV-4H
200 mm	65 x 20 mm	MRV-4L



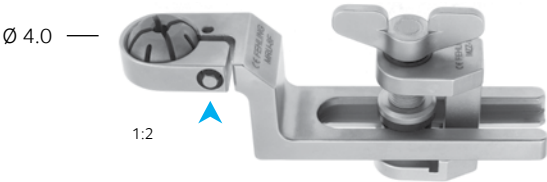
HOHE ATRIAL RETRACTORS |
HOHE VORHOFHAKEN

Malleable
Biegsam

LENGTH LÄNGE	BLADE SIZE BLATTGRÖSSE a x b	ART. NUMBER
200 mm	65 x 40 mm	MPF-1H



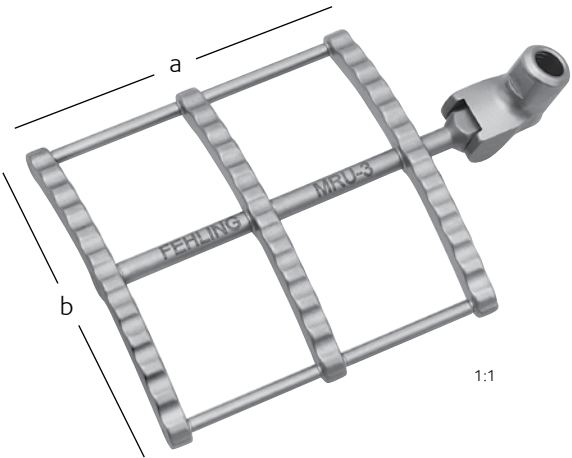
BALL JOINT ADAPTER BAYONET*
LENGTH AND HEIGHT VARIABLE +
CLAMPING ELEMENT | CLAMPING ELEMENT
KUGELADAPTER, BAYONETT* LÄNGE UND HÖHE
VARIABLE + BEFESTIGUNGSELEMENT
MRU-8F
MZZ-1N



- Inside screw prevents jammed sutures and is space saving; **cardan screwdriver LMT-4** required for tightening.
- Innenliegende Schraube verhindert Einklemmen von Fäden und spart Platz; **Kardan Schraubendreher LMT-4** zum Anziehen erforderlich.

ATRIAL BLADE |
VORHOFBÜGEL

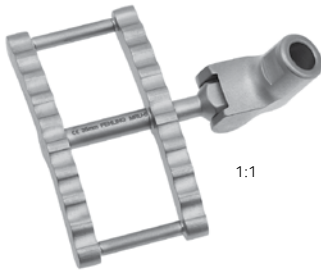
BLADE SIZE BLATTGRÖSSE a x b	ART. NUMBER
45 x 30 mm	MRU-1
60 x 30 mm	MRU-2
45 x 45 mm	MRU-3
60 x 45 mm	MRU-4



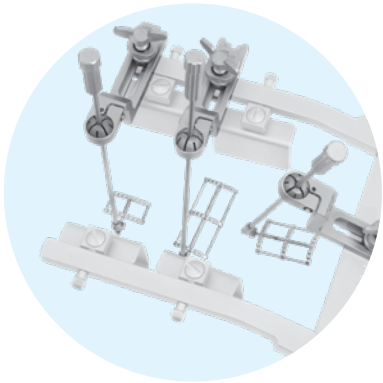
ATRIAL BLADE |
VORHOFBÜGEL

For tricuspidal valve
Für Trikuspidalklappe

BLADE SIZE BLATTGRÖSSE a x b	ART. NUMBER
18 x 35 mm	MRU-5



- * Additional suitable adapters and clamping elements *see page 63*
- * Weitere passende Adapter und Befestigungselemente *siehe Seite 63*



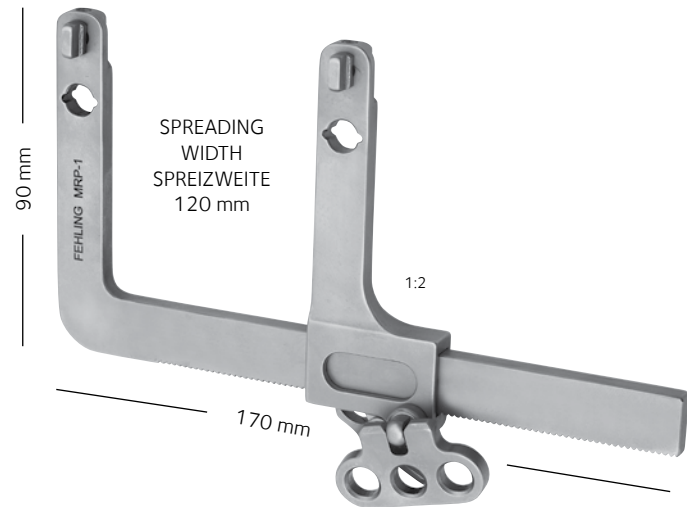
Exemplary configuration
Konfigurationsbeispiel

BLADE GUIDE |
HAKENFÜHRUNG

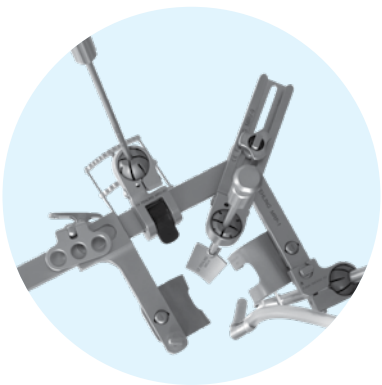
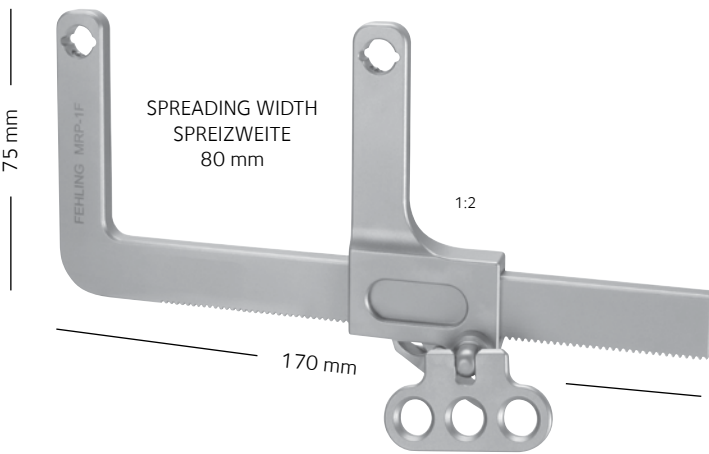
LENGTH LÄNGE	ART. NUMBER
220 mm	MRN-3



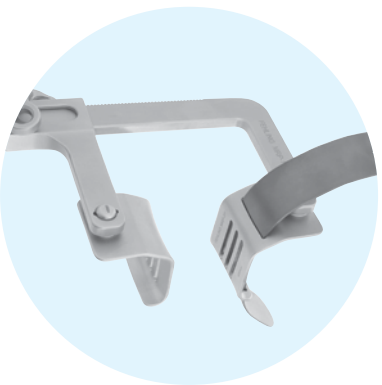
INTERCOSTAL RETRACTOR |
INTERCOSTALSPREIZER
MRP-1



INTERCOSTAL RETRACTOR SHORT ARM |
INTERCOSTALSPREIZER KURZARM
MRP-1F



Exemplary configuration
Konfigurationsbeispiel



Exemplary configuration
Konfigurationsbeispiel

RETRACTING BLADES (PAIR)* |
HALTEBLÄTTER (PAAR)*

BLADE SIZE BLATTGRÖSSE a x b				
	MRP-2	MRP-2V	MRP-2F	MRP-2K
40 x 35 mm	MRP-2	MRP-2V	MRP-2F	MRP-2K
50 x 35 mm	MRP-3	MRP-3V	MRP-3F	
60 x 35 mm	MRP-4	MRP-4V	MRP-4F	MRP-4K
70 x 35 mm	MRO-7	MRO-7V		

CERAMO® SPATULA (WAISTED) |
CERAMO® SPATEL (TALLIERT)

LENGTH x WIDTH LÄNGE x BREITE	TURNING & SWINGING SCHWENKBARKEIT	ART. NUMBER
24 x 250 mm	60°	EOJ-8
	40°	EOJ-9



1:2

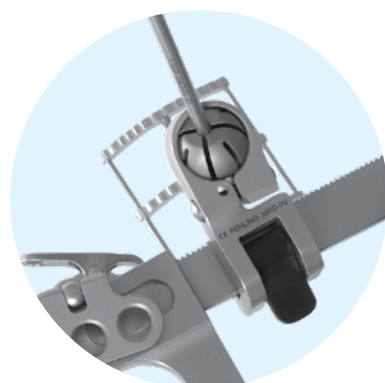
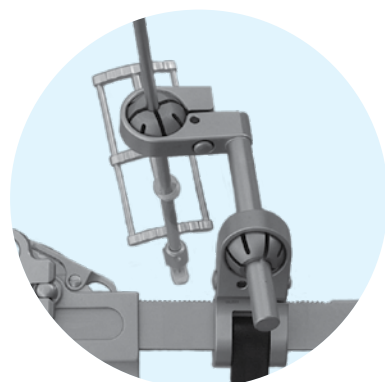
MVR RETRACTOR ACCESSORIES

MKR SPREIZER ZUBEHÖR

**BLADE GUIDE |
HAKENFÜHRUNG**

MRN-3

220 mm

**RETRACTION OF THE AORTIC ROOF
RETRAKTION DES VORHOFDACHS**Exemplary configuration
KonfigurationsbeispielExemplary configuration
Konfigurationsbeispiel

- Inside screw prevents jammed sutures and is space saving; **cardan screwdriver LMT-4** required for tightening.

For adapters with wing screw no screwdriver required.

- Innenliegende Schraube verhindert Einklemmen von Fäden und spart Platz; **Kardan Schraubendreher LMT-4** zum Anziehen erforderlich.

Für Adapter mit Flügelschraube kein Schraubendreher erforderlich.

**BALL ADAPTER |
KUGELADAPTER**

MRO-OV

* With wing screw: MRO-0

* Mit Flügelschraube: MRO-0

**BALL ADAPTER FOR MRR-2V/L |
KUGELADAPTER FÜR MRR-2V/L**

MRR-1V

* With wing screw: MRR-1

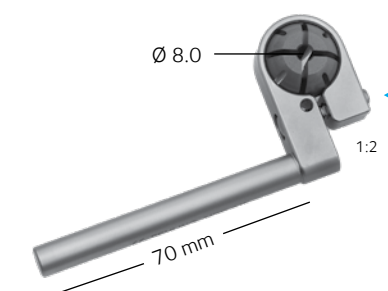
* Mit Flügelschraube: MRR-1

**BALL ADAPTER WITH DISTANCE ELEVATOR |
KUGELADAPTER MIT DISTANZHEBEL**

MRR-2V

* With wing screw: MRR-2

* Mit Flügelschraube: MRR-2

**FIXATION DEVICE FOR MRN-3 |
FIXIERVORRICHTUNG FÜR MRN-3**

MRO-9

For external stab incision

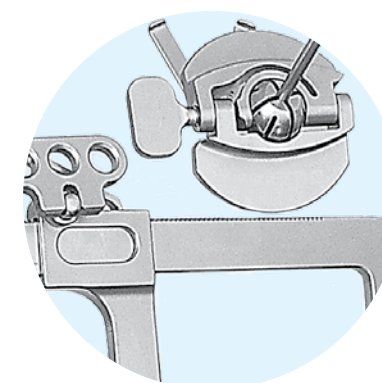
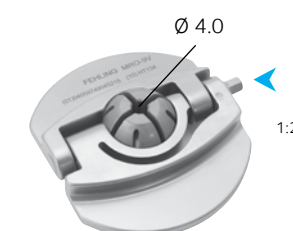
Für separate Stichinzision

**FIXATION DEVICE FOR MRN-3 |
FIXIERVORRICHTUNG FÜR MRN-3**

MRO-9V

For external stab incision

Für separate Stichinzision

Exemplary configuration
Konfigurationsbeispiel

MVR RETRACTOR ACCESSORIES
MKR SPREIZER ZUBEHÖR

TREEDE MAXPOSITION BLADE* |
TREEDE MAXPOSITION BLATT*

Size adjustable
Größenverstellbar

LENGTH x WIDTH LÄNGE x BREITE	SPREADING WIDTH SPREIZWEITE	ART. NUMBER
44 x 30 mm	D 40	MMZ-8
44 x 40 mm	D 60	MMZ-7

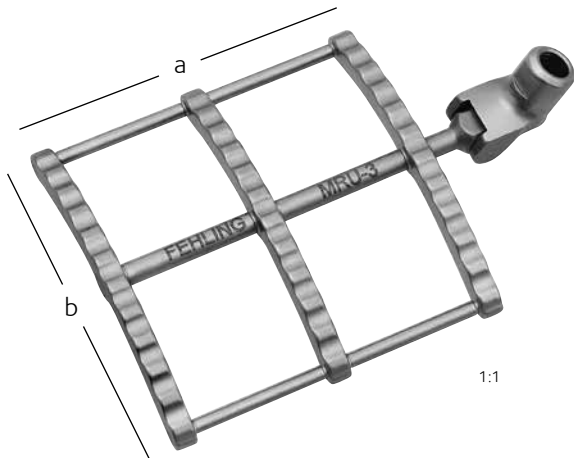


1:1

*Cardan screw driver Torx LMT-4T required
*Kardanschraubendreher Torx LMT-4T erforderlich

ATRIAL BLADE |
VORHOFBÜGEL

BLADE SIZE BLATTGRÖSSE a x b	ART. NUMBER
30 x 30 mm	MRX-2
30 x 45 mm	MRX-3
45 x 30 mm	MRU-1
60 x 30 mm	MRU-2
45 x 45 mm	MRU-3
60 x 45 mm	MRU-4

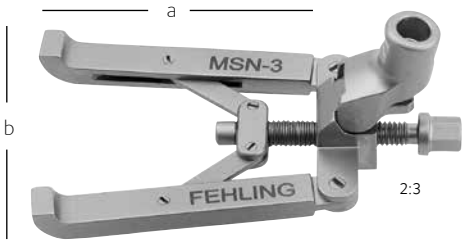


1:1

ATRIAL RETRACTOR |
VORHOFGABEL

Expandable*
Aufspreizbar*

BLADE SIZE BLATTGRÖSSE a x b	ART. NUMBER
35 x 25 mm	MSN-2
55 x 30 mm	MSN-3

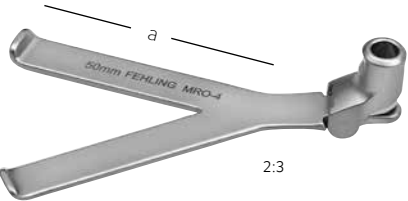


2:3

*Cardan screw driver LMT-4 required
*Kardanschraubendreher LMT-4 erforderlich

ATRIAL HOOK |
VORHOFGABEL

BLADE SIZE BLATTGRÖSSE a	ART. NUMBER
40 mm	MRO-3
50 mm	MRO-4
60 mm	MRO-5



2:3

REHMAN AORTIC LIFT ANGLE ADJUSTABLE |
REHMAN AORTIC LIFT WINKELVERSTELLBAR

Blade for lifting the aorta during minimally invasive procedures
Blatt zum Anheben der Aorta bei minimalinvasiven Eingriffen

WIDTH BREITE	LENGTH LÄNGE	ART. NUMBER
25 mm	35 mm	MSN-6
25 mm	45 mm	MSN-7
25 mm	55 mm	MSN-4
25 mm	65 mm	MSN-5



1:1

**GUIDING CLAMPS FOR THE INSERTION OF
ATRIAL BLADES / SEPTUM HOLDERS**
FÜHRUNGSZANGEN ZUM EINSpanNEN VON
VORHOFBLÄTTERN / SEPTUMNIEDERHALTERN



GUIDING CLAMP |
FÜHRUNGSKLEMME
MRU-9

2:3

GUIDING FORCEPS |
FÜHRUNGSZANGE

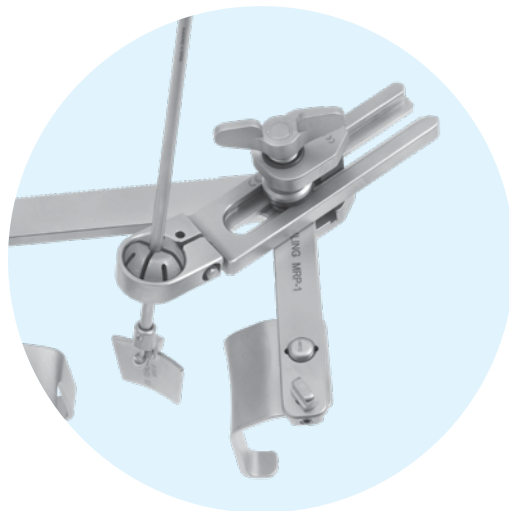
LENGTH LÄNGE	ART. NUMBER
260 mm	MRN-7



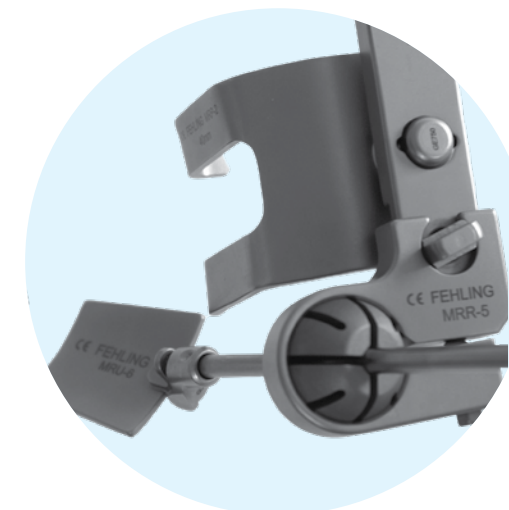
2:3

MVR RETRACTOR ACCESSORIES

MKR SPREIZER ZUBEHÖR

**HOLDING THE SEPTAL FOLD DOWN
NIEDERHALTEN DER SEPTUMFALTE***Exemplary configuration
Konfigurationsbeispiel***BALL JOINT ADAPTER
+ CLAMPING ELEMENT |
KUGELADAPTER, GERADE
+ BEFESTIGUNGSELEMENT**MRV-9F
MZZ-1N* Additional suitable adapters and clamping elements *see page 63** Weitere passende Adapter und Befestigungselemente *siehe Seite 63***RETAINER FOR SEPTAL FOLD
AND DIAPHRAGM |
NIEDERHALTER FÜR SEPTUMFALTE
UND ZWERCHFELL**

MRU-6

*Exemplary configuration
Konfigurationsbeispiel***BALL ADAPTER |
KUGELADAPTER**Left / Links
MRR-5Right / Rechts
MRR-6

► Inside screw prevents jammed sutures and is space saving; **cardan screwdriver LMT-4** required for tightening.

For adapters with wing screw no screwdriver required.

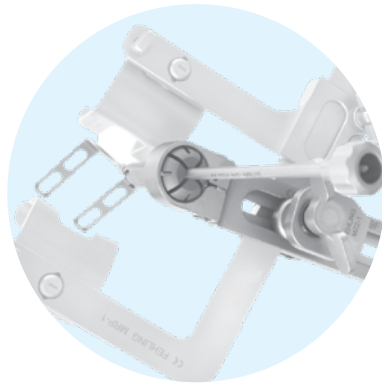
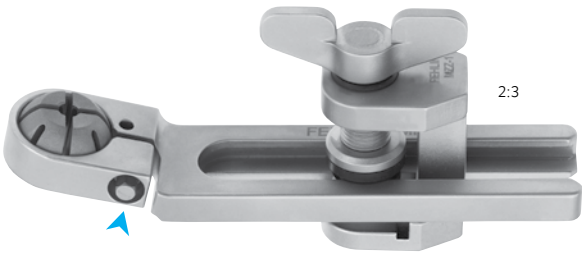
► Innenliegende Schraube verhindert Einklemmen von Fäden und spart Platz; **Kardan Schraubendreher LMT-4** zum Anziehen erforderlich.

Für Adapter mit Flügelschraube kein Schraubendreher erforderlich.

MIDCAB/OPCAB RETRACTOR ACCESSORIES
MIDCAB/OPCAB SPREIZER ZUBEHÖR

**BALL JOINT ADAPTER
+ CLAMPING ELEMENT |**
KUGELADAPTER, GERADE
+ BEFESTIGUNGSELEMENT

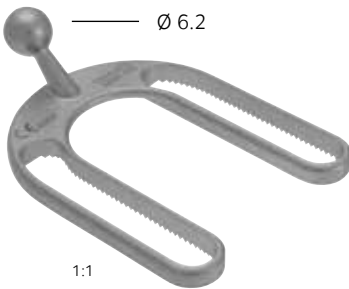
MRV-9F
MZZ-1N



Exemplary configuration
Konfigurationsbeispiel

MYOCARDIAL MUSCLE STABILIZER |
HERZMUSKELSTABILISATOR

MRR-3M



BLADE GUIDE |
HAKENFÜHRUNG

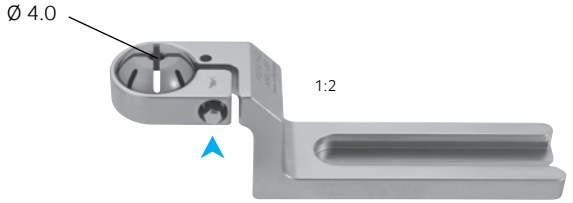
LENGTH LÄNGE	ART. NUMBER
120 mm	MRI-OS
200 mm	MRI-OL



ADAPTERS ADJUSTABLE IN HEIGHT AND LENGTH
HÖHEN- UND LÄNGENVERSTELLBARE ADAPTER

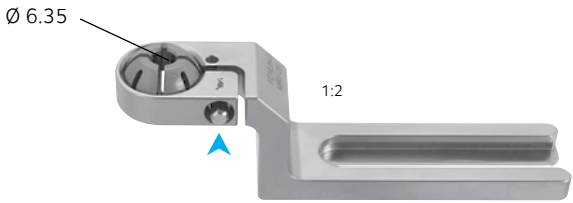
WITH INSIDE SCREW |
MIT INNENLIEGENDER SCHRAUBE

MRU-8F



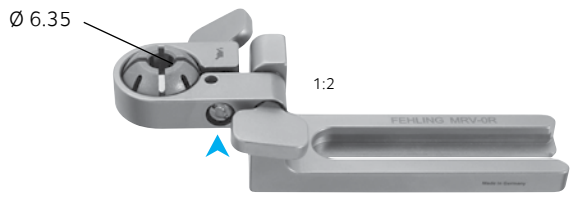
WITH INSIDE SCREW |
MIT INNENLIEGENDER SCHRAUBE

MRV-0F



WITH JOINT AND WING SCREW |
MIT GELENK UND FLÜGELSCHRAUBEN

MRV-OR



- Inside screw prevents jammed sutures and is space saving; **cardan screwdriver LMT-4** required for tightening.
For adapters with wing screw no screwdriver required.
- Innenliegende Schraube verhindert Einklemmen von Fäden und spart Platz; **Kardan Schraubendreher LMT-4** zum Anziehen erforderlich.
Für Adapter mit Flügelschraube kein Schraubendreher erforderlich.

ADAPTERS ADJUSTABLE IN HEIGHT AND LENGTH
HÖHEN- UND LÄNGENVERSTELLBARE ADAPTER

WITH INSIDE SCREW |
MIT INNENLIEGENDER SCHRAUBE

MRV-1F



WITH INSIDE SCREW |
MIT INNENLIEGENDER SCHRAUBE

MRV-9F



SUITABLE CLAMPING ELEMENTS
PASSENDE BEFESTIGUNGSELEMENTE

SUITABLE TO RETRACTOR |
PASSEND ZU SPREIZER

MZZ-1N

Bar height / Balkenhöhe 3.0-13.0



MYOCARDIAL MUSCLE STABILIZER
HERZMUSKELSTABILISATOR



Exemplary configuration
Konfigurationsbeispiel



Exemplary configuration
Konfigurationsbeispiel

BLADE GUIDE (Ø8) |
HAKENFÜHRUNG (Ø8)

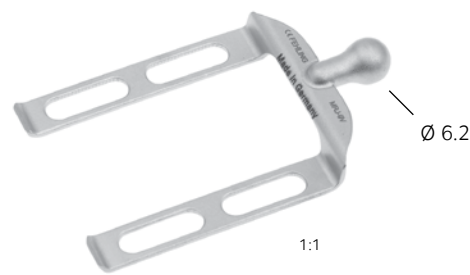
MTI-1

300 mm



MYOCARDIAL MUSCLE STABILIZER |
HERZMUSKELSTABILISATOR

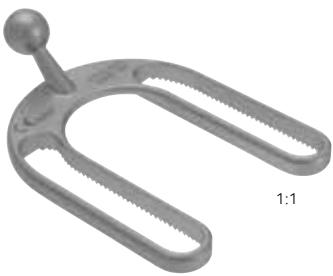
MRJ-9V
90°



REQUIRED ACCESSORIES
ERFORDERLICHES ZUBEHÖR

MYOCARDIAL STABILIZER WITH BALL
JOINT CONNECTOR (D 6,2) |
HERZMUSKELSTABILISATOR MIT
KUGELKONNEKTOR (D 6,2)

MRR-3M



GUIDING PROBE |
FÜHRUNGSSONDE

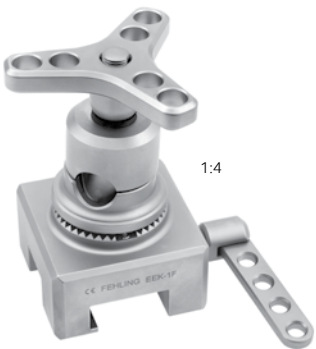
MTI-2V



OR-TABLE ADAPTING CLAMP |
OP-TISCHHALTEKLAUE

EEK-1F

Adjustable (Ø16) for MICS endoscope
holding system
Winkelverstellbar (Ø16) für MICS En-
doskophaltesystem



ACCESSORIES
ZUBEHÖR

CONCEPT INSTRUMENT ATTACHMENT WITH SOCKET |
CONCEPT INSTRUMENTEN-HALTERUNG OHNE SOCKEL

L-rod / L-Säule

TOTAL LENGTH GESAMTLÄNGE	ART. NUMBER
913 mm	EEP-6H



The instrument holder is designed for securing shaft instruments
with a minimum diameter of 4 mm.

Die Instrumenten-Halterung ist zum Fixieren von
Schaftinstrumenten mit einem Mindestdurchmesser von 4mm.

CONCEPT INSTRUMENT ATTACHMENT WITH SOCKET |
CONCEPT INSTRUMENTEN-HALTERUNG OHNE SOCKEL

TOTAL LENGTH GESAMTLÄNGE	ART. NUMBER
843 mm	EEP-7H



The instrument holder is designed for securing shaft instruments with a minimum diameter of 4 mm.

Die Instrumenten-Halterung ist zum Fixieren von Schaftinstrumenten mit einem Mindestdurchmesser von 4mm.

1:6



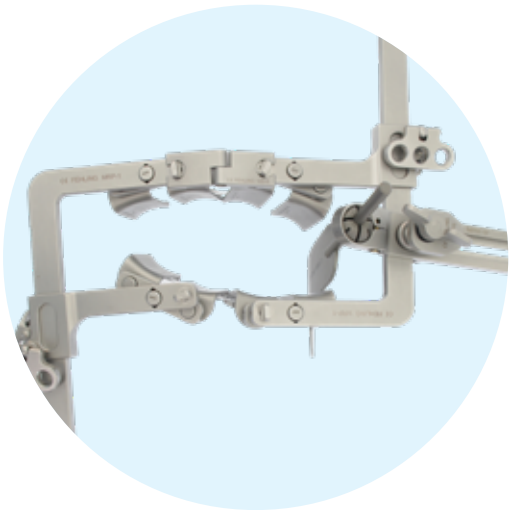
1:1

MINI THORACOTOMY
RETRACTOR (PEDIATRIC) |
MINI-THORAKOTOMIESPREIZER
(PÄDIATRISCH)

MSD-5
For minimally invasive surgery
Für minimalinvasive Chirurgie

a x b	LENGTH LÄNGE
12 x 7,5 mm	115 mm

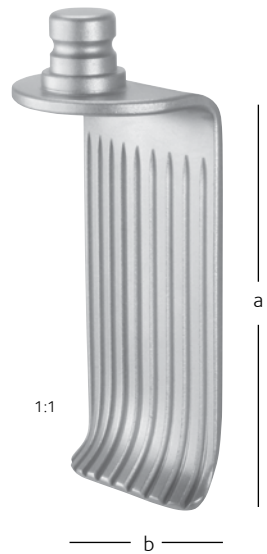
RETRACTOR FOR MILUTX
RETRAKTOR FÜR MILUTX



Exemplary configuration
Konfigurationsbeispiel

RETRACTING BLADES* |
HALTEBLÄTTER*

DEPTH TIEFE a	WIDTH / BREITE b	
	15 mm	24 mm
23 mm		MRE-4M
33 mm	MRI-1M	MRE-5M
43 mm	MRI-2M	MRE-6M
53 mm	MRI-3M	MRE-7M
63 mm	MRI-4M	MRE-8M
73 mm	MRI-5M	MRE-9M
83 mm	MRI-6M	MRI-8M
93 mm	MRI-7M	MRI-9M



HINGE CONNECTOR |
GELENKVERBINDER

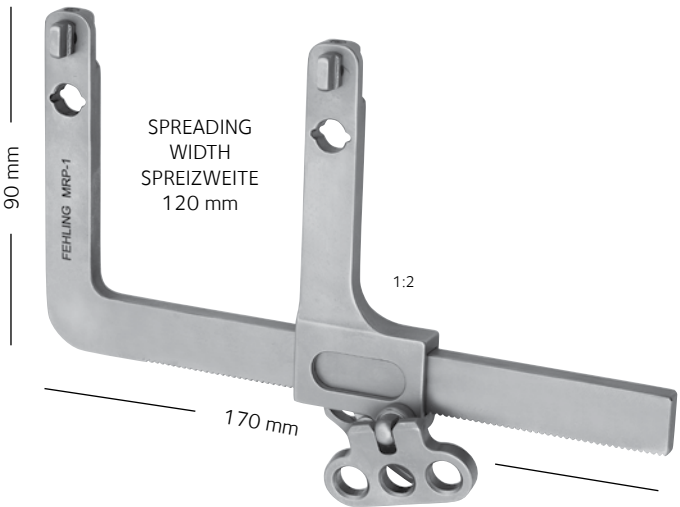
MZI-5



1:1

INTERCOSTAL RETRACTOR |
INTERCOSTALSPREIZER

MRP-1



FANTASMICS CROSS BRACKET
FOR BLADES | FANTASMICS
QUERBÜGEL FÜR HALTEBLÄTTER

For minimally invasive surgery
Für minimalinvasive Chirurgie

LENGTH LÄNGE	ART. NUMBER
35 mm	MRD-8V



1:1

FANTASMICS CROSS BRACKET
FOR BLADES | FANTASMICS
QUERBÜGEL FÜR HALTEBLÄTTER

For minimally invasive surgery
Für minimalinvasive Chirurgie

LENGTH LÄNGE	ART. NUMBER
60 mm	MRD-9V



1:1

COOLEY ATRIUM RETRACTOR |
COOLEY VORHOFSPREIZER

Left
Links

a x b	LENGTH / LÄNGE 240 MM
25 x 35 mm	MFW-6
25 x 45 mm	MFW-5



COOLEY ATRIUM RETRACTOR |
COOLEY VORHOFSPREIZER

Right
Rechts

a x b	LENGTH / LÄNGE 240 MM
25 x 20 mm	MFV-6
40 x 30 mm	MFV-7
40 x 35 mm	MFV-3



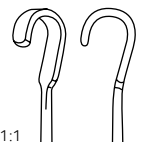
ZENKER HOOK |
ZENKER WUNDHAKEN

275 mm

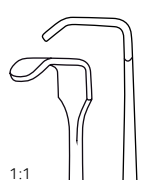
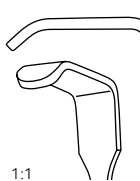
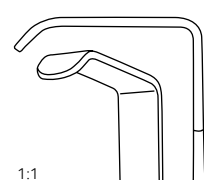
BLADE SIZE BLATTGRÖSSE a x b	ART. NUMBER
75 x 12 mm	ECB-6



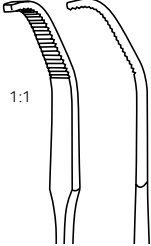
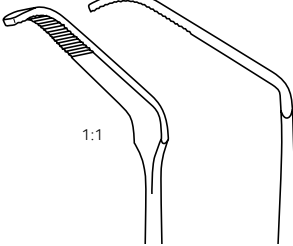
CERAMO® DEFECTRETRACTOR |
CERAMO® HERZDEFEKTHAKEN

 1:1	BLADE SIZE a x b BLATTGRÖSSE a x b	ART. NUMBER
	3 x 5 mm	EOB-7

CERAMO® LANGENBECK HOOK |
CERAMO® LANGENBECK WUNDHAKEN

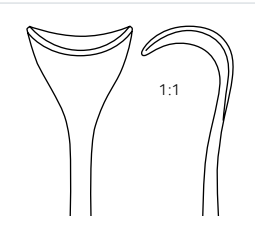
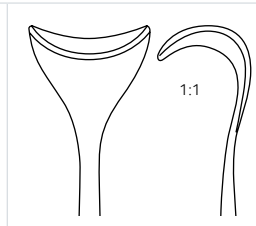
 1:1	 1:1	 1:1		
	BLADE SIZE a x b BLATTGRÖSSE a x b	12 x 5 MM	20 x 6 MM	25 x 6 MM
ART. NUMBER		EOB-1	EOB-2	EOB-3

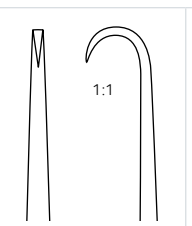
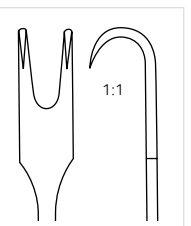
CERAMO® ZENKER VESSEL HOOK |
CERAMO® ZENKER WUNDHAKEN

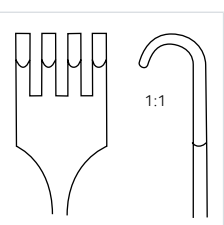
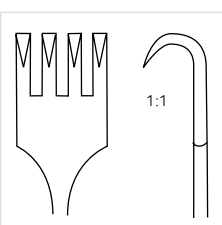
 1:1	 1:1	
BLADE SIZE a x b BLATTGRÖSSE a x b	10 x 3 MM	25 x 3 MM
ART. NUMBER	EOB-5	EOB-6



CERAMO® MOBERG RETRACTOR |
CERAMO® MOBERG WUNDHAKEN

			
BLADE SIZE a x b BLATTGRÖSSE a x b		12 x 14 MM	
ART. NUMBER		EOA-8	

			
BLADE SIZE a x b BLATTGRÖSSE a x b		a = 7 MM	
ART. NUMBER		EOF-1	

			
BLADE SIZE a x b BLATTGRÖSSE a x b		7 x 12 MM	
ART. NUMBER		EOF-3	



175 mm

1:1

RETRACTOR FOR AV-EXPOSURE |
RETRAKTOR FÜR AK-EXPOSITION

LENGTH LÄNGE	ART. NUMBER
180 mm	MSB-0



2:3

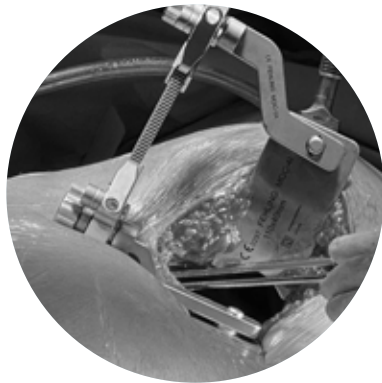


1:1

MIDCAB/IMA RETRACTOR
MIDCAB/IMA SPREIZER



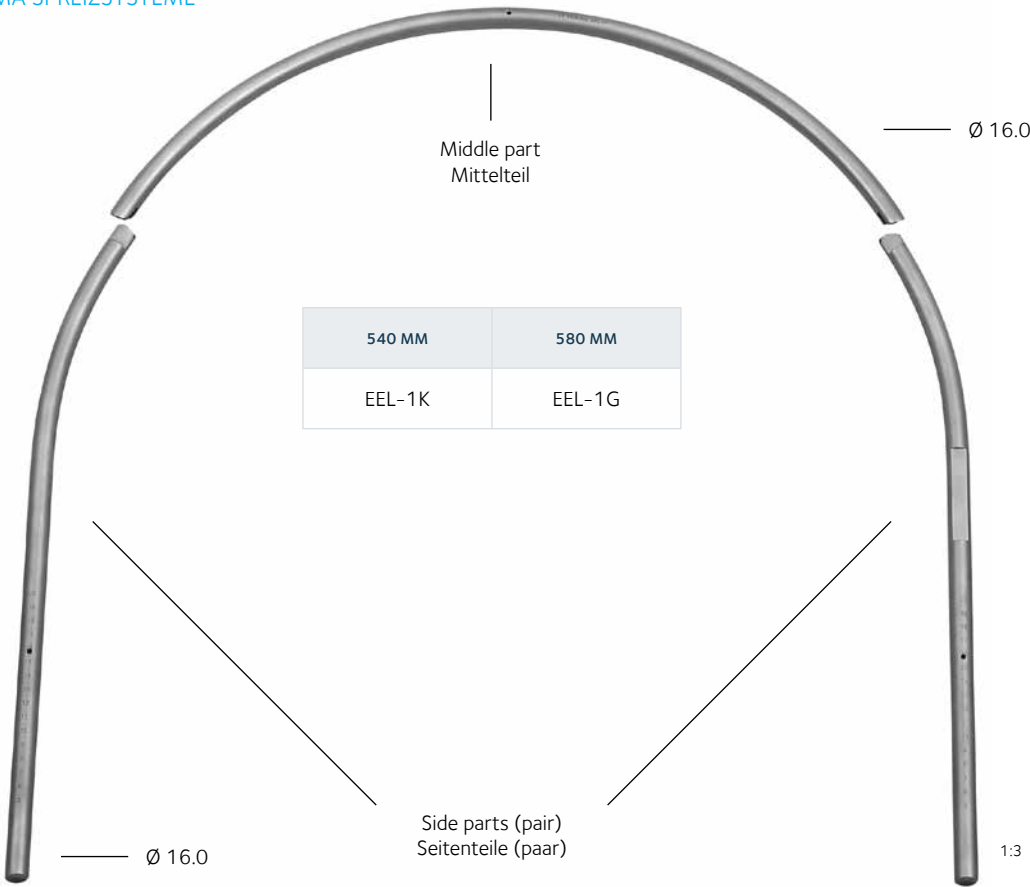
Exemplary configuration
Konfigurationsbeispiel



Exemplary configuration
Konfigurationsbeispiel

MIDCAB/IMA RETRACTING SYSTEMS |
MIDCAB/IMA SPREIZSYSTEME

EEL-1S



THOREXPO BLADE GUIDE |
THOREXPO HAKENFÜHRUNG

LENGTH	ART. NUMBER
300 mm	EEL-4F

THOREXPO COUPLING RIDER |
THOREXPO VERBINDUNGSSCHLITTEN

EEP-0



2:3

2:3



Exemplary configuration
Konfigurationsbeispiel



Exemplary configuration
Konfigurationsbeispiel



ANGULATED ROD |
WINKELSTAB

BLADE SIZE BLATTGRÖßE	ART. NUMBER
16 x 16 x 1000 x 600 mm	EEJ-2

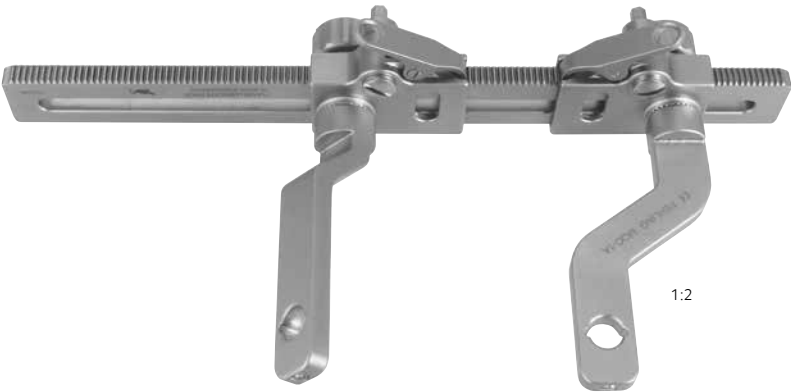
OR-TABLE ADAPTING CLAMP |
OP-TISCH HALTEKLAUE

EEJ-1
Angle adjustable (16x16 mm)
Winkelverstellbar (16x16 mm)



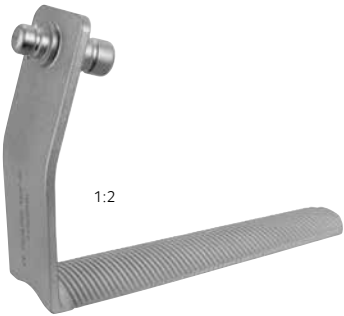
IMA RETRACTOR |
IMA SPREIZER

MQC-1I
Complete with two rotatable arms
Komplett mit zwei drehbaren Armen



IMA BLADE |
IMA BLATT

BLADE SIZE BLATTGRÖßE	ART. NUMBER
70 X 40 mm	MQC-2I
90 X 40 mm	MQC-3I
110 X 40 mm	MQC-4I
70 X 30 mm	MQC-6I
90 X 30 mm	MQC-7I
110 X 30 mm	MQC-8I
130 X 30 mm	MQC-9I



XIPHOID BLADE |
XIHOID BLATT

BLADE SIZE BLATTGRÖÖE	ART. NUMBER
40 x 30 x 20 mm	MQE-3I
40 x 45 x 20 mm	MQE-2I
40 x 60 x 20 mm	MQE-1I



IMA COUNTERBLADE |
IMA GEGENBLATT

BLADE SIZE BLATTGRÖÖE	ART. NUMBER
30 x 35 x 60 mm	MQF-0
40 x 35 x 60 mm	MQF-1
50 x 35 x 60 mm	MQF-2



CARDAN SCREWDRIVER |
KARDAN SCHRAUBENDREHER
LMT-4



CERAMO HEXAGONAL
WRENCH | CERAMO
SECHSKANTSCHLÜSSEL
NVG-9



STORAGE AND STERILIZATION CONTAINER |
AUFBEWAHRUNGS- UND STERILISATIONSBEHÄLTER

500x245x90mm

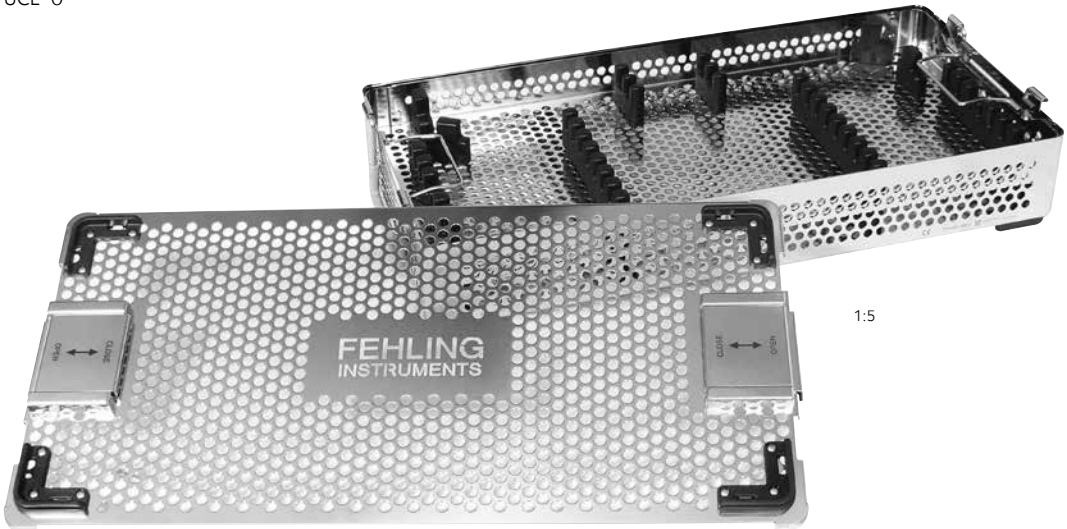
Configured available (exemplary configuration)
Konfiguriert verfügbar (Konfigurationsbild)

CONTAINER SIZES BEHÄLTERGRÖßEN	LENGTH LÄNGE	WIDTH BREITE	HEIGHT HÖHE
Nr. 1	400 mm	245 mm	65 mm
Nr. 2			85 mm
Nr. 3 *	500 mm		90 mm
Nr. 4			153 mm

Storage and sterilization containers can be customized to suit individual requirements. Please contact customer service for assistance.

Aufbewahrungs- und Sterilisationsbehälter können individuell für den jeweiligen Bedarf konfiguriert werden. Bitte wenden Sie sich hierfür an den Kundenservice.

For HCR MICS instruments e.g. /
Für HCR MICS instrumente z.b:
UCE-0 *



SCISSORS

SCHEREN

- 86 **Dissecting Scissors** | Präparierscheren
- 95 **Vascular Scissors** | Gefäß-Scheren
- 97 **Surgical Scissors** | Chirurgische Scheren
- 101 **Scissors** | Scheren



TOENNIS ADSON DISSECTING SCISSORS |
TOENNIS ADSON PRÄPARIERSCHEREN

	LENGTH LÄNGE	CURVED GEBOGEN	
		CERAMO TC	TC
	180 mm	BOB-0	BBJ-8



CERAMO® TC TOENNIS DISSECTING SCISSORS |
CERAMO® TC TOENNIS PRÄPARIERSCHEREN

	LENGTH LÄNGE	STRONG PATTERN STARKES MODELL
	180 mm	BRM-5



TOENNIS DISSECTING SCISSORS |
TOENNIS PRÄPARIERSCHEREN

	LENGTH LÄNGE	CURVED GEBOGEN
	180 mm	CERAMO TC BOB-1



CERAMO® DELICATE DISSECTING SCISSORS |
CERAMO® FEIN PRÄPARIERSCHEREN

S-shape handle
S-Form Griff

	LENGTH LÄNGE	S-SHAPE HANDLE S-FORM GRIFF
	180 mm	BOB-1B



MAYO DISSECTING SCISSORS |
MAYO PRÄPARIERSCHEREN

 1:1	 1:1		 1:1	
	CURVED GEBOGEN		STRAIGHT GERADE	
	CERAMO TC		CERAMO TC	
LENGTH LÄNGE				
170 mm	BOA-3		BOA-4	
230 mm	BOA-5		BOA-6	



MAYO-STILLE DISSECTING SCISSORS |
MAYO-STILLE PRÄPARIERSCHEREN

 1:1	 1:1		 1:1	
	CURVED GEBOGEN		STRAIGHT GERADE	
	CERAMO TC	TC	CERAMO TC	
LENGTH LÄNGE				
170 mm	BOA-7	BBC-9	BOA-8	



METZENBAUM STANDARD DISSECTING SCISSORS |
METZENBAUM STANDARD PRÄPARIERSCHEREN

 1:1	LENGTH LÄNGE	CURVED GEBOGEN	
		CERAMO TC	TC
145 mm		BOE-1	BBD-3
180 mm		BOE-2	BBD-6
200 mm		BOE-3	BBD-7
230 mm		BOE-4	BBD-8
260 mm		BOE-5	BBD-9



METZENBAUM FINO DISSECTING SCISSORS |
METZENBAUM FINO PRÄPARIERSCHEREN

 1:1	 1:1	 1:1
LENGTH LÄNGE	BLUNT / STUMPF	
	CURVED* / GEBOGEN*	
	CERAMO TC	TC
	STRAIGHT / GERADE	
CERAMO TC		
145 mm	BOC-1	
180 mm	BOC-2	BBF-2
200 mm	BOC-3	BBF-3
230 mm	BOC-4	BBF-4
280 mm	BOC-6	



* Also available with serrated blades
* Auch mit Wellenschliff erhältlich

METZENBAUM FINO DISSECTING SCISSORS |
METZENBAUM FINO PRÄPARIERSCHEREN

 1:1	LENGTH LÄNGE	POINTED / SPITZ	
		CURVED GEBOGEN	STRAIGHT GERADE
		CERAMO TC	CERAMO TC
	145 mm	BOO-0	BOF-0
	180 mm	BOO-1	
	230 mm	BOO-3	



METZENBAUM FINO DISSECTING SCISSORS |
METZENBAUM FINO PRÄPARIERSCHEREN

S-shape handle
S-Form Griff

 1:1	LENGTH LÄNGE	BLUNT STUMPF
		CERAMO TC
	145 mm	BOD-5
	180 mm	BOD-6
	200 mm	BOD-7
	230 mm	BOD-8



LEXER FINO DISSECTING SCISSORS |
LEXER FINO PRÄPARIERSCHEREN

 1:1	LENGTH LÄNGE	CURVED GEBOGEN
		CERAMO TC
	160 mm	BOB-3
	210 mm	BOB-4



CERAMO® THOREK DISSECTING SCISSORS |
CERAMO® THOREK PRÄPARIERSCHEREN

 1:1	LENGTH LÄNGE	CURVED * GEBOGEN *
	200 mm	BOV-1W
	230 mm	BOV-2W

*Also available with serrated blades
*Auch mit Wellenschliff erhältlich



CERAMO® THOREK DISSECTING SCISSORS | CERAMO® THOREK PRÄPARIERSCHEREN

S-shape handle
S-Form Griff



LENGTH LÄNGE	CURVED GEBOGEN
230 mm	BOV-5W
280 mm	BOV-6W



CERAMO® TC DELICATE BLUNT DISSECTING SCISSORS | CERAMO® FEIN STUMPF PRÄPARIERSCHEREN



LENGTH LÄNGE	CURVED GEBOGEN
115 mm	BON-1



DELICATE POINTED DISSECTING SCISSORS | FEIN SPITZ PRÄPARIERSCHEREN

			
LENGTH LÄNGE	CURVED GEBOGEN		STRAIGHT GERADE
	CERAMO TC	CERAMO TC	TC
115 mm	BON-3	BON-4	BBA-8
145 mm		BON-6	
180 mm		BOT-6	



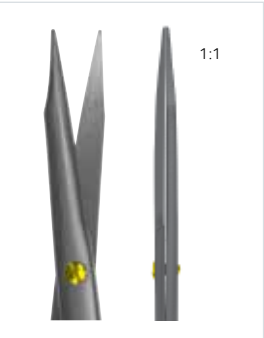
CERAMO® TC RAGNELL DISSECTING SCISSORS | CERAMO® TC RAGNELL PRÄPARIERSCHEREN



LENGTH LÄNGE	CURVED GEBOGEN
125 mm	BOT-3
150 mm	BOT-4



CERAMO® TC STEVENS DISSECTING SCISSORS |
CERAMO® TC STEVENS PRÄPARIERSCHEREN

			
LENGTH LÄNGE	CURVED GEBOGEN	STRAIGHT GERADE	
110 mm	BOS-5		
125 mm	BOS-7		
150 mm	BOT-1	BOT-8	



CERAMO® TC REYNOLDS DISSECTING SCISSORS |
CERAMO® TC REYNOLDS PRÄPARIERSCHEREN

	
LENGTH LÄNGE	ART. NUMBER
175 mm	BOT-2



POTTS VASCULAR SCISSORS |
POTTS GEFÄSS-SCHEREN

	LENGTH LÄNGE	CERAMO TC	TC
	190 mm	BOP-2	
	230 mm	BOP-5	
	185 mm	BOP-3	BCJ-6
	225 mm	BOP-6	



DE BAKEY VASCULAR SCISSORS |
DE BAKEY GEFÄSS-SCHEREN

	LENGTH LÄNGE	CERAMO TC
	190 mm	BOM-5
	230 mm	BOM-8
	185 mm	BOM-6



CERAMO® TC HYPERION VASCULAR SCISSORS |
CERAMO® TC HYPERION GEFÄSS-SCHEREN

	LENGTH LÄNGE	BLADE LENGTH BLATTLÄNGE	
		 1:1 10 MM	 1:1 14 MM
 1:1 25°	180 mm	BOP-7	BOR-1
 1:1 45°	180 mm	BOR-7	BOR-2
 1:1 60°	175 mm	BOP-8	BOR-3
 1:1 90°	170 mm	BOR-8	BOR-4
 1:1 125°	170 mm	BOP-9	BOR-5



STANDARD SURGICAL SCISSORS |
STANDARD CHIRURGISCHE SCHEREN

 1:1	LENGTH LÄNGE	STRAIGHT GERADE
		CERAMO
	145 mm	BOJ-3
	165 mm	BOJ-4
	185 mm	BOJ-5



DOYEN SURGICAL SCISSORS |
DOYEN CHIRURGISCHE SCHEREN

 1:1	STRAIGHT GERADE
	UNCOATED
180 mm	BAJ-5



TC SIMS SURGICAL SCISSORS |
TC SIMS CHIRURGISCHE SCHEREN

	LENGTH LÄNGE	CURVED GEBOGEN
		CERAMO
	200 mm	BOL-4
	230 mm	BOL-5



WERTHEIM SURGICAL SCISSORS |
WERTHEIM CHIRURGISCHE SCHEREN

	LENGTH LÄNGE	CURVED GEBOGEN
		CERAMO TC
	230 mm	BOL-6



LIGATUR SURGICAL SCISSORS |
LIGATUR CHIRURGISCHE SCHEREN

1 blade serrated
1 Blatt gezahnt

LENGTH LÄNGE	
	CURVED GEBOGEN
	CERAMO TC
180 mm	BOZ-2



CERAMO® PARAMETRIUM SCISSORS |
CERAMO® PARAMETRIUM SCHEREN

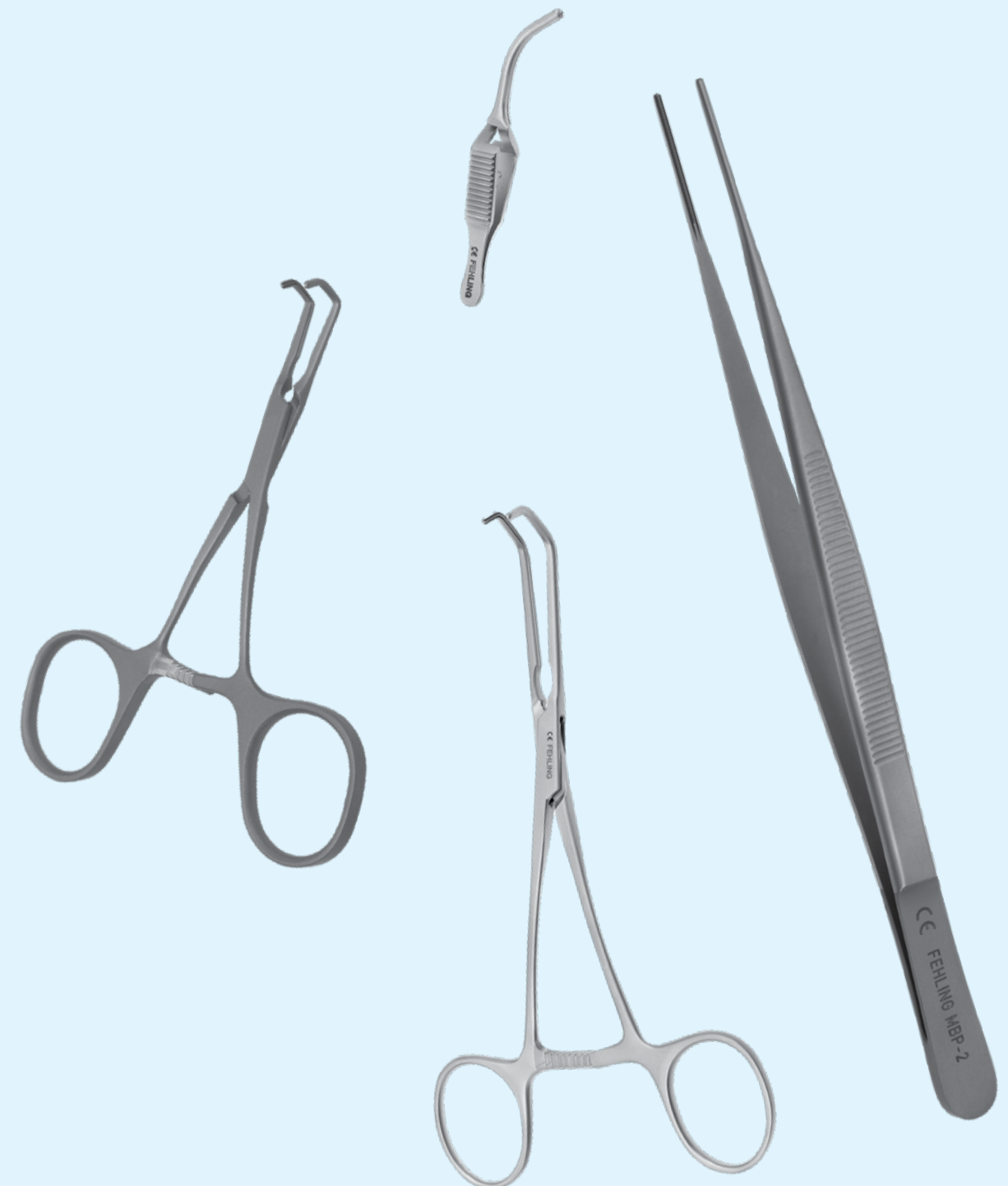
LENGTH LÄNGE	
	CURVED GEBOGEN
	BOW-9
215 mm	



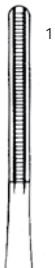
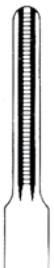
FORCEPS, CLAMPS AND CLIPS

PINZETTEN, KLEMMEN UND CLIPS

- 104 **Non-Traumatic Forceps** | Atraumatische Pinzetten
- 109 **Dissecting Forceps** | Anatomische Pinzetten
- 112 **Tissue Forceps** | Chirurgische Pinzetten
- 114 **Chordae Clip** | Chordae Clip
- 115 **Bulldog Clamps** | Bulldogklemmen
- 124 **Non-Traumatic Pediatric Forceps** | Atraumatische pädiatrische Klemmen
- 134 **Non-Traumatic Clamps** | Atraumatische Klemmen
- 147 **Loop Clamps** | Umführungsklemme
- 148 **Dissecting Clamps** | Präparierklemmen
- 158 **Organ Grasping Forceps** | Organfasszangen
- 160 **Sponge and Dressing Forceps** | Korn- und Tupferzangen
- 161 **Tubing Clamps** | Schlauchklemmen
- 162 **Towel Clamps** | Tuchklemmen



DE BAKEY NON-TRAUMATIC FORCEPS |
DE BAKEY ATRAUMATISCHE PINZETTEN

						
			STRAIGHT GERADE	STEPPED GESTUFT	STRAIGHT GERADE	STEPPED GESTUFT
	1.5 mm	2.0 mm	2.8 mm		3.5 mm	
150 mm	MBL-2	MBL-5	MBK-2			
195 mm	MBL-3	MBL-6	MBK-3		MBM-5	
200 mm				MBM-9		
240 mm	MBL-4	MBL-7	MBK-4	MBN-1		MBM-6
300 mm			MBL-8			MBM-7



DE BAKEY NON-TRAUMATIC FORCEPS |
DE BAKEY ATRAUMATISCHE PINZETTEN

	
	2.0 mm
195 mm	MBM-1
240 mm	MBM-2
300 mm	MBM-3F (30°)

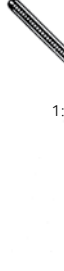


TC DE BAKEY NON-TRAUMATIC FORCEPS |
TC DE BAKEY ATRAUMATISCHE PINZETTEN

	 1:1	 1:1	 1:1	 1:1
	1.5 mm	2.0 mm	2.7 mm	3.5 mm
195 mm	MDZ-1	MEJ-5	MEJ-8	MEK-1
240 mm	MEJ-3	MEJ-6	MEJ-9	MEK-2



DE BAKEY DIETHRICH NON-TRAUMATIC FORCEPS |
DE BAKEY DIETHRICH ATRAUMATISCHE PINZETTEN

	 1:1	 1:1
	1.5 mm	1.5 mm
195 mm	MBK-8	MBL-1
240 mm	MBK-9	



Titanium Titan

DIETHRICH NON-TRAUMATIC FORCEPS |
DIETHRICH ATRAUMATISCHE PINZETTEN

	 1:1	 1:1
	1.5 mm	1.8 mm
150 mm	MBP-1	MED-3
195 mm	MBP-2	

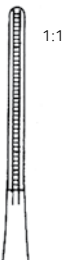


DE BAKEY ULTRA LIGHT NON-TRAUMATIC FORCEPS |
DE BAKEY ULTRA LIGHT ATRAUMATISCHE PINZETTEN

	 1:1
	1.0 mm
195 mm	CDK-7

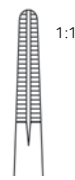


DIETHRICH NON-TRAUMATIC FORCEPS |
DIETHRICH ATRAUMATISCHE PINZETTEN

	 1:1
	2.0 mm
195 mm	MFG-9
240 mm	MFH-1



HEART VALVE FORCEPS |
HERZKLAPPENPINZETTE

	 1:1	 1:1
	2.5 MM	3.0 MM
200 mm	CDP-5	
230 mm	CDP-2	CDP-7
250 mm	CDP-3	

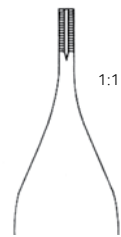


1:2

ADSON-BRAUN NON-TRAUMATIC FORCEPS |
ADSON-BRAUN ATRAUMATISCHE PINZETTEN



2:3

	 1:1
	120 MM
CERAMO®	COX-0
UNCOATED UNBESCHICHTET	CAK-9

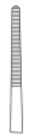
JEWELLER FORCEPS |
UHRMACHERPINZETTEN

	 1:1	 1:1
UNCOATED UNBESCHICHTET	0.1 MM	0.4 MM
110 mm	CAY-7	CAY-9



1:1

GERALD DISSECTING FORCEPS |
GERALD ANATOMISCHE PINZETTEN

	 1:1	 1:1
	CERAMO® TCM 1.0 MM	UNCOATED UNBESCHICHTET 1.0 MM
180 mm	COK-1	CAE-8
210 mm	COK-2	CAF-0
230 mm	COK-3	



1:2

STANDARD DISSECTING FORCEPS |
STANDARD ANATOMISCHE PINZETTEN

CERAMO®		1:1
160 mm	COR-4	



TC POTTS-SMITH DISSECTING FORCEPS |
TC POTTS-SMITH ANATOMISCHE PINZETTEN

		1:1
180 mm	CBA-8	
230 mm	CBB-1	



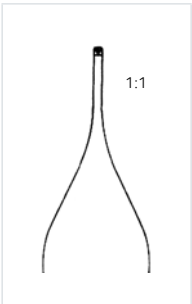
MICRO ADSON DISSECTING FORCEPS |
MIKRO ADSON ANATOMISCHE PINZETTEN

		1:1
UNCOATED UNBESCHICHTET	0.8 MM	
120 mm	CAA-5	



CERAMO® MICRO ADSON TISSUE FORCEPS |
CERAMO® MIKRO ADSON CHIRURGISCHE PINZETTEN

1x2 teeth
1x2 Zähne

	
1:1	
0.8 MM	
120 mm	COW-4



2:3



RUSSIAN PATTERN TISSUE FORCEPS |
RUSSISCHES MODELL CHIRURGISCHE PINZETTEN

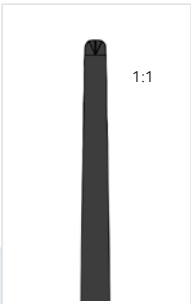
Uncoated
Unbeschichtet

200 mm	CAU-4
250 mm	CAU-5

2:3

STANDARD TISSUE FORCEPS |
STANDARD CHIRURGISCHE PINZETTEN

1x2 teeth
1x2 Zähne

	
1:1	
UNCOATED UNBESCHICHTET	
145 mm	CAL-8



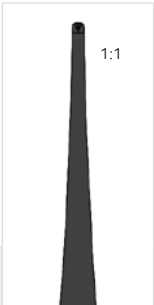
2:3



2:3

TISSUE FORCEPS DELICATE |
CHIRURGISCHE PINZETTEN SCHLANK

1x2 teeth
1x2 Zähne

	
1:1	
UNCOATED UNBESCHICHTET	
160 mm	CAP-3

CEBOTARI CHORDAE CLIP DE BAKEY TOOTHING |
CEBOTARI CHORDAE CLIP DE BAKEY ZAHNUNG

TOTAL LENGTH GESAMTLÄNGE	JAW LENGTH MAULLÄNGE	ART. NUMBER
24 mm	9 mm	MIC-2



CERAMO® HCR VALVE APPLYING FORCEPS |
CERAMO® HCR KLAPPENPINZETTE/ANLEGEZANGE

Double action, serrated, lock, 3.0x15mm
Beidseits öffnend, gezahnt, Sperre, 3.0x15mm

350 mm	MQW-1
--------	-------



Titanium Titan

BULLDOG CLAMPS |
BULLDOGGKLEMMEN

IDENTIFICATION KENNZEICHNUNG	A = Arteria
ART. NUMBER	MKS-9
TOTAL LENGTH GESAMTLÄNGE	30 mm
LENGTH OF JAW MAULLÄNGE	9 mm
WEIGHT GEWICHT	1 gr.



A (Arteria) = high pressure A
(Arteria) = starker Druck 2 N ± 20%

Titanium Titan

BULLDOG CLAMPS |
BULLDOGGKLEMMEN

					
IDENTIFICATION KENNZEICHNUNG	V = Vena	A = Arteria	A = Arteria	A = Arteria	V = Vena
ART. NUMBER	MMF-8	MMA-9	MMB-1	MMB-2	MMF-3
TOTAL LENGTH GESAMTLÄNGE	30 mm		35 mm	40 mm	48 mm
LENGTH OF JAW MAULLÄNGE	9 mm		13 mm	14 mm	22 mm
WEIGHT GEWICHT	1 gr.		1 gr.	1 gr.	1.5 gr.

BULLDOG CLAMPS |
BULLDOGGKLEMMEN

				
IDENTIFICATION KENNZEICHNUNG	V = Vena	A = Arteria	A = Arteria	A = Arteria
ART. NUMBER	MMM-2	MMM-1	MMM-3	MKT-2
TOTAL LENGTH GESAMTLÄNGE	30 mm		40 mm	45 mm
LENGTH OF JAW MAULLÄNGE	10 mm		15 mm	21 mm
WEIGHT GEWICHT	1 gr.		1 gr.	1.5 gr.

WELDON BULLDOG CLAMPS |
WELDON BULLDOCKLEMMEN

35 mm

	
STRAIGHT GERADE	CURVED GEBOGEN
MAZ-7	MAZ-9



WELDON BULLDOG CLAMPS |
WELDON BULLDOCKLEMMEN

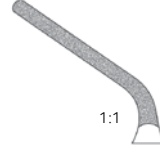
45 mm


CURVED GEBOGEN
MBA-1



TCM IMA BULLDOG CLAMPS |
TCM IMA BULLDOCKLEMMEN

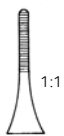
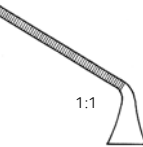
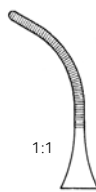
55 mm

		
STRAIGHT GERADE	CURVED GEBOGEN	ANGLED GEWINKELT
MRK-1	MRK-2	MRK-3



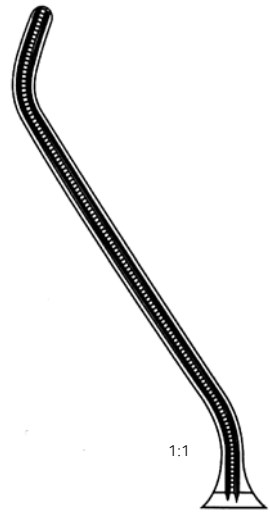
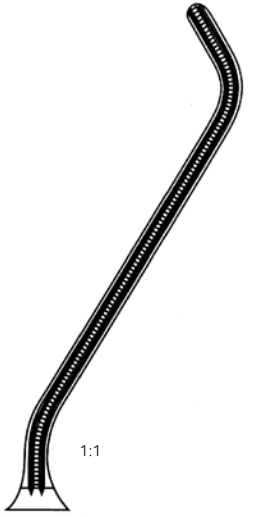
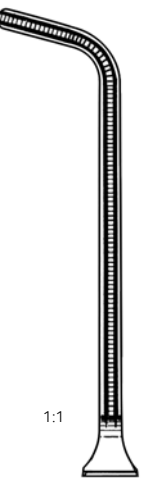
DIETHRICH BULLDOG CLAMPS |
DIETHRICH BULLDOGGKLEMMEN

55 mm

							
JAW LENGTH MAULLÄNGE	8 MM	12 MM	20 MM	8 MM	12 MM	20 MM	20 MM
PRESSURE: 0.8 N DRUCK: 0.8 N	MEF-1	MEC-2	MAW-6	MAW-7	MAW-8	MAX-1	MAW-5



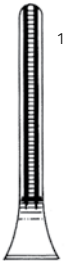
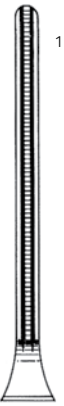
GREGORY "SOFT" CAROTID CLAMPS |
GREGORY "SOFT" CAROTIS KLEMMEN

			
JAW LENGTH MAULLÄNGE	60 MM		
TOTAL LENGTH GESAMTLÄNGE	110 MM		
	MNI-7	MNI-6	MNJ-4



DE BAKEY BULLDOG CLAMPS |
DE BAKEY BULLDOGGKLEMMEN

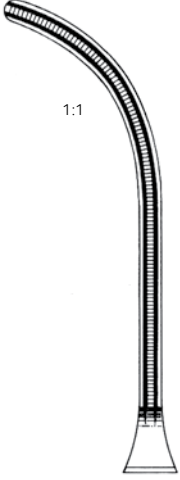
Non-traumatic
Atraumatisch

			
TOTAL LENGTH GESAMTLÄNGE	55 MM	90 MM	105 MM
PRESSURE / DRUCK: 1.8 N	MAM-5	MAM-7	MAM-8



DE BAKEY BULLDOG CLAMPS |
DE BAKEY BULLDOGGKLEMMEN

Non-traumatic
Atraumatisch

						
TOTAL LENGTH GESAMTLÄNGE	55 MM	55 MM	75 MM	85 MM	105 MM	120 MM
PRESSURE / DRUCK: 1.8 N	MAM-4	MAN-2	MAN-3	MAN-4	MAN-5	MAN-6
PRESSURE / DRUCK: 2.8 N	MAO-3					

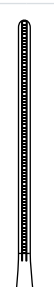
Titanium Titan

DE BAKEY NON-TRAUMATIC
PEDIATRIC CLAMPS | DE BAKEY
ATRAUMATISCHE PÄDIATRISCHE KLEMMEN

			
105 MM	60°	6 MM	9 MM
ART. NUMBER	MHN-1	MHN-2	MHN-4



NON-TRAUMATIC PEDIATRIC
CLAMPS | ATRAUMATISCHE
PÄDIATRISCHE KLEMMEN

	1:1
125 MM	145 MM
MAC-2	MAE-7

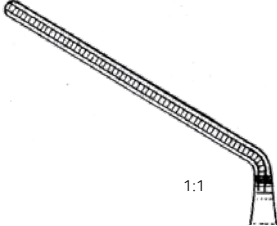


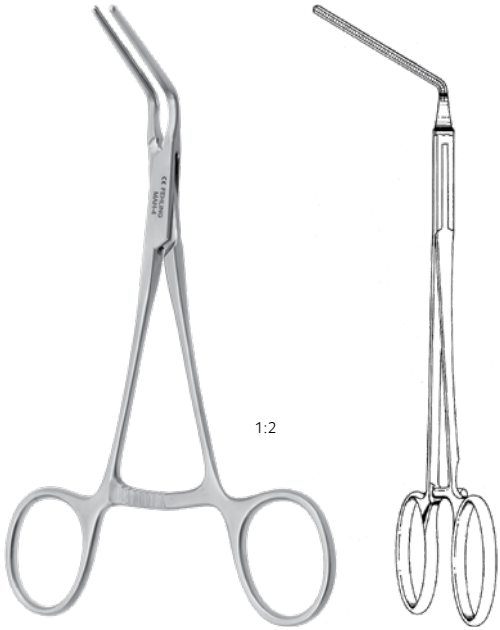
SEBENING NON-TRAUMATIC
PEDIATRIC CLAMPS | SEBENING
ATRAUMATISCHE PÄDIATRISCHE KLEMMEN

		
105 MM	6 MM	9 MM
ART. NUMBER	MHO-3	MHO-4



NON-TRAUMATIC PEDIATRIC CLAMPS |
ATRAUMATISCHE PÄDIATRISCHE KLEMMEN
60°

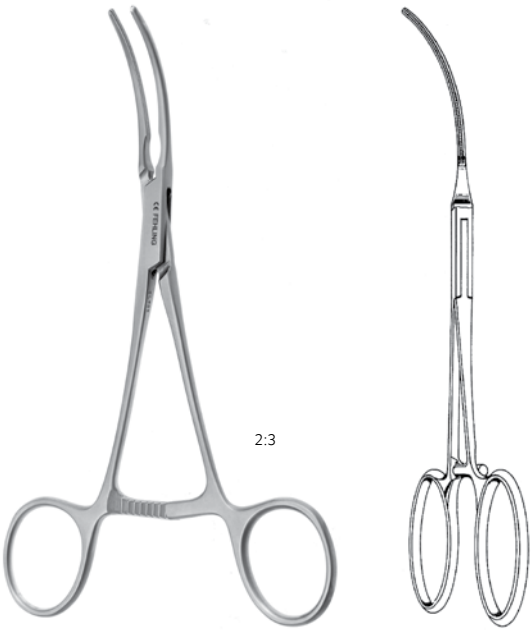
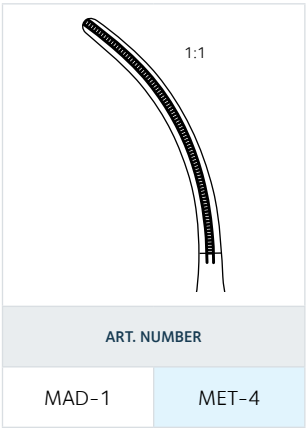
		
125 MM	145 MM	165 MM
MAC-4	MAE-9	MAH-4



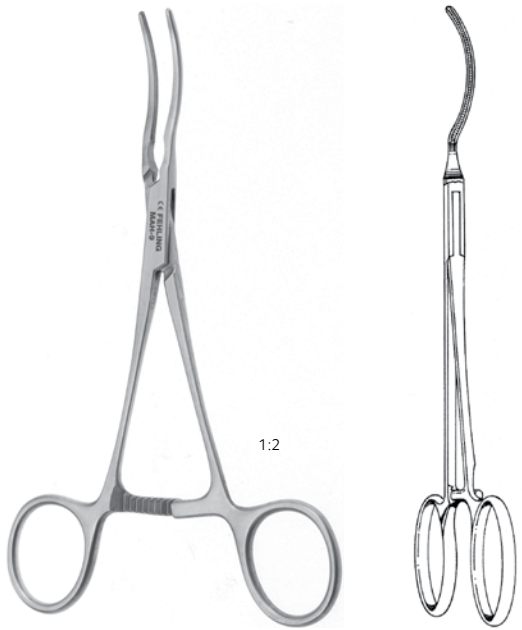
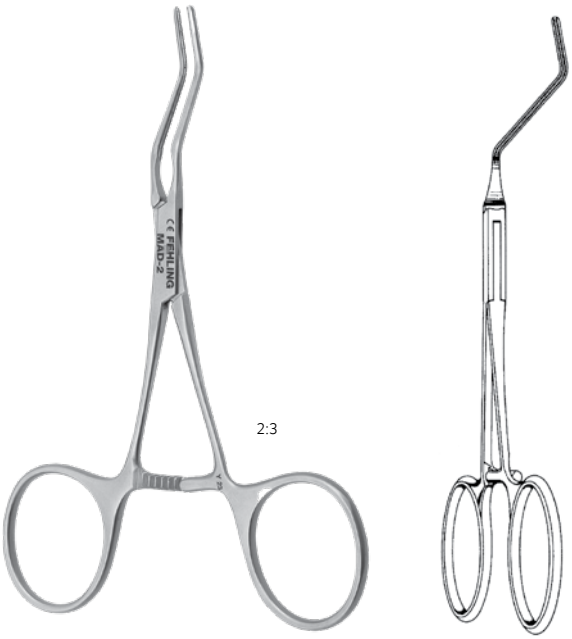
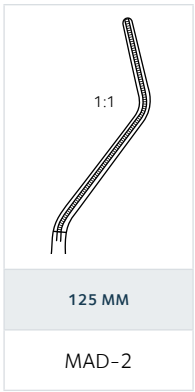
Titanium Titan

NON-TRAUMATIC PEDIATRIC CLAMPS | ATRAUMATISCHE PÄDIATRISCHE KLEMMEN

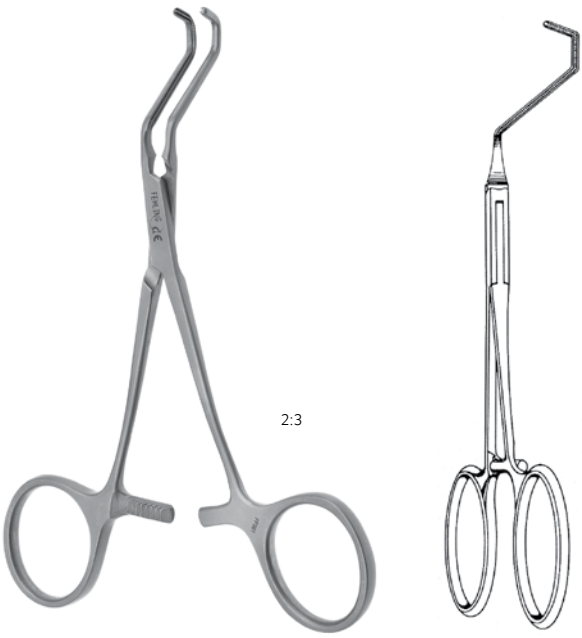
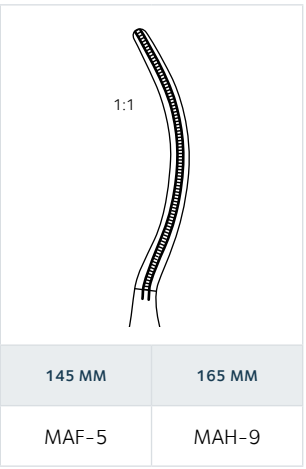
125 mm



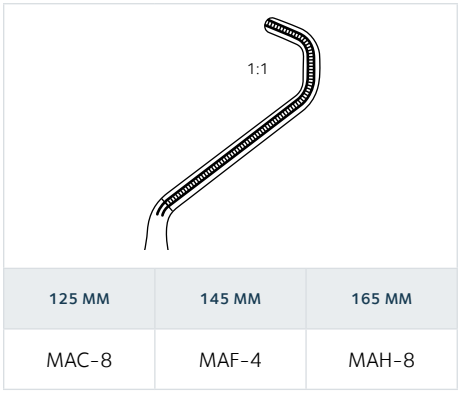
NON-TRAUMATIC PEDIATRIC CLAMPS | ATRAUMATISCHE PÄDIATRISCHE KLEMMEN



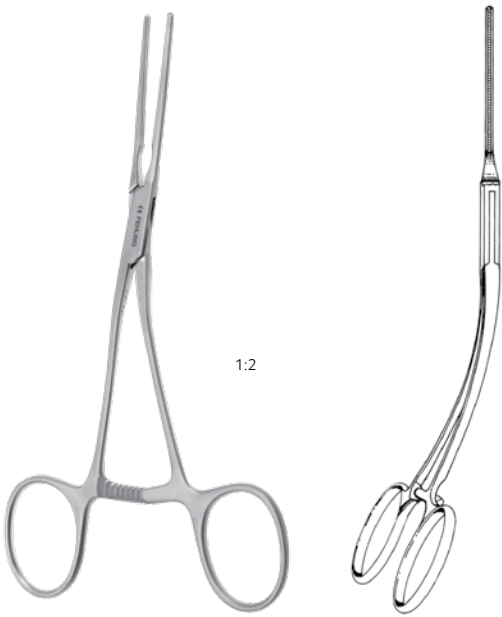
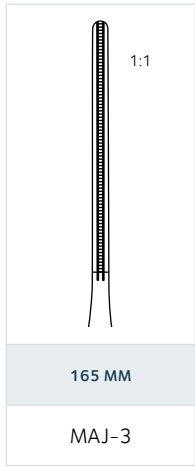
NON-TRAUMATIC PEDIATRIC CLAMPS | ATRAUMATISCHE PÄDIATRISCHE KLEMMEN



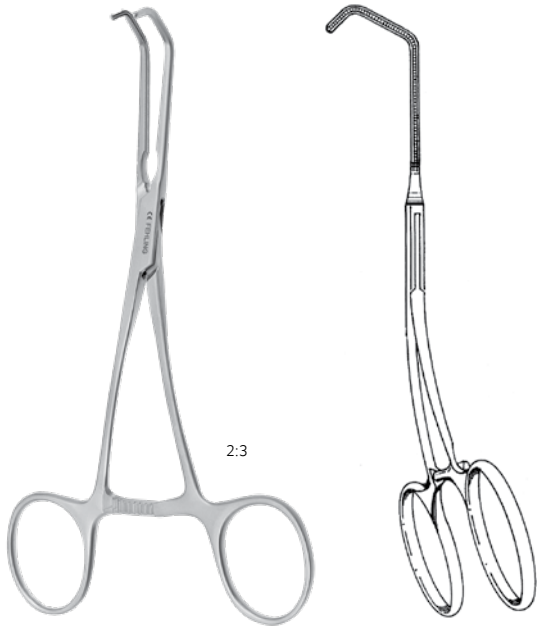
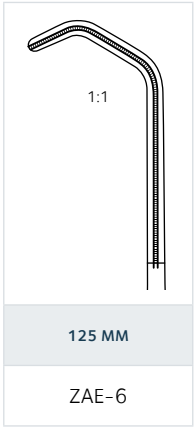
NON-TRAUMATIC PEDIATRIC CLAMPS | ATRAUMATISCHE PÄDIATRISCHE KLEMMEN



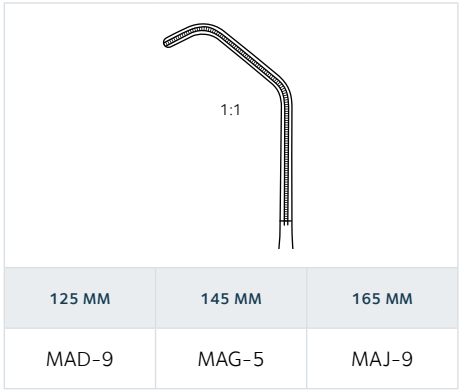
NON-TRAUMATIC PEDIATRIC CLAMPS | ATRAUMATISCHE PÄDIATRISCHE KLEMMEN



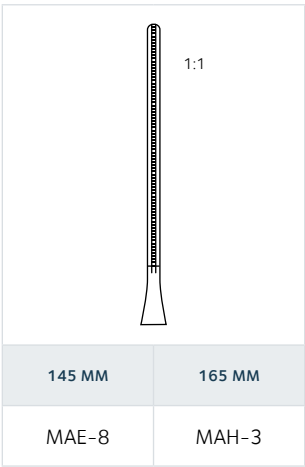
NON-TRAUMATIC PEDIATRIC CLAMPS | ATRAUMATISCHE PÄDIATRISCHE KLEMMEN



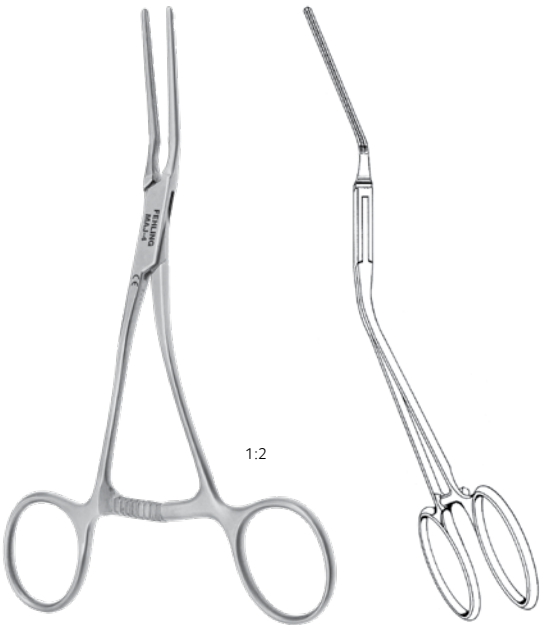
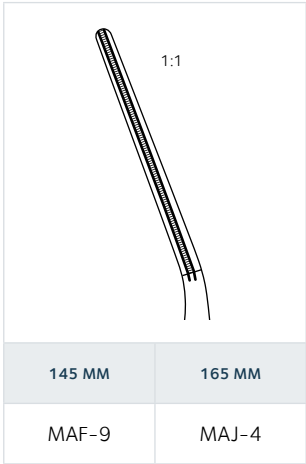
NON-TRAUMATIC PEDIATRIC CLAMPS | ATRAUMATISCHE PÄDIATRISCHE KLEMMEN



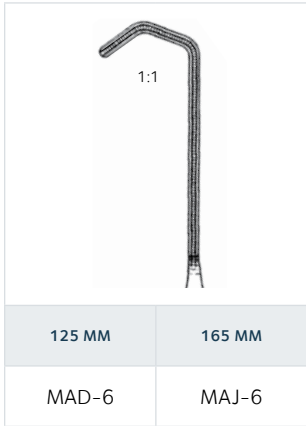
NON-TRAUMATIC PEDIATRIC CLAMPS | ATRAUMATISCHE PÄDIATRISCHE KLEMMEN



NON-TRAUMATIC PEDIATRIC CLAMPS |
ATRAUMATISCHE PÄDIATRISCHE KLEMMEN



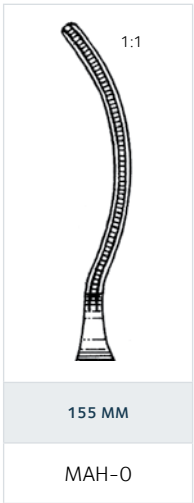
NON-TRAUMATIC PEDIATRIC CLAMPS |
ATRAUMATISCHE PÄDIATRISCHE KLEMMEN



NON-TRAUMATIC PEDIATRIC CLAMPS |
ATRAUMATISCHE PÄDIATRISCHE KLEMMEN

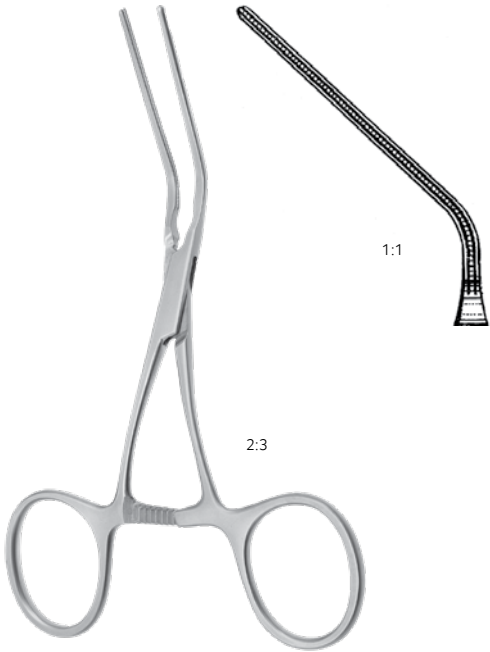


NON-TRAUMATIC
PEDIATRIC CLAMPS |
ATRAUMATISCHE
PÄDIATRISCHE KLEMMEN



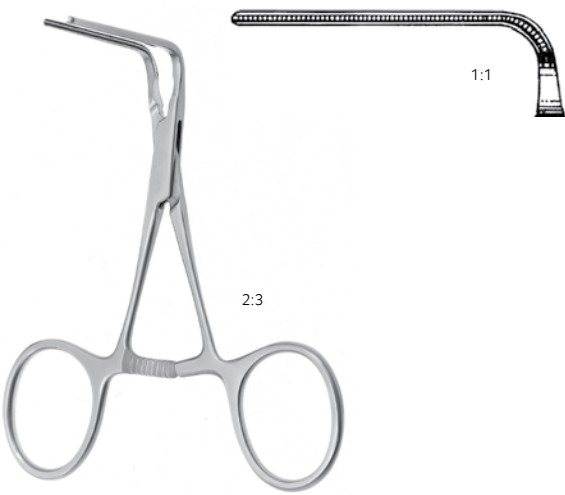
NON-TRAUMATIC PEDIATRIC CLAMPS |
ATRAUMATISCHE PÄDIATRISCHE KLEMMEN

130 MM
MAE-5

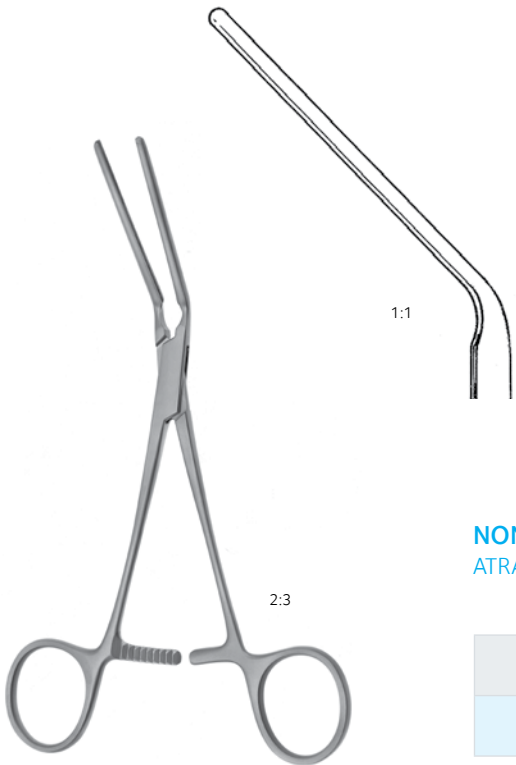


DE BAKEY NON-TRAUMATIC PEDIATRIC
FORCEPS | DE BAKEY ATRAUMATISCHE
PÄDIATRISCHE KLEMMEN

100 MM
MED-9



Titanium Titan

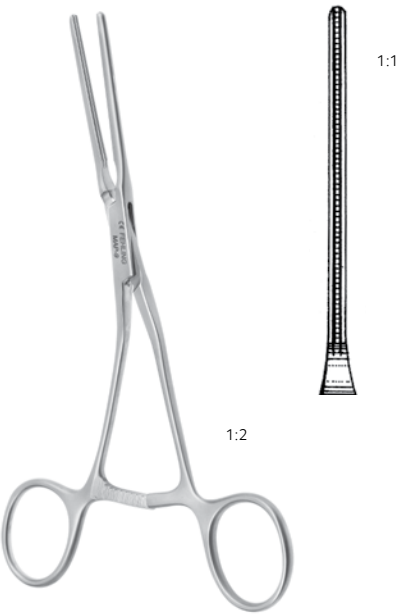
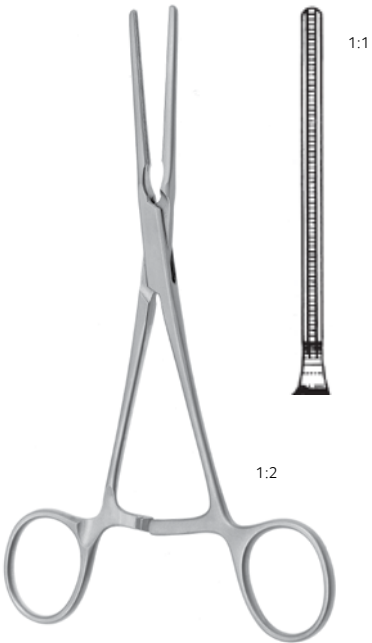


NON-TRAUMATIC PEDIATRIC CLAMPS |
ATRAUMATISCHE PÄDIATRISCHE KLEMMEN

175 MM
MDU-7

DE BAKEY NON-TRAUMATIC CLAMPS |
DE BAKEY ATRAUMATISCHE KLEMMEN

170 MM
MAP-8

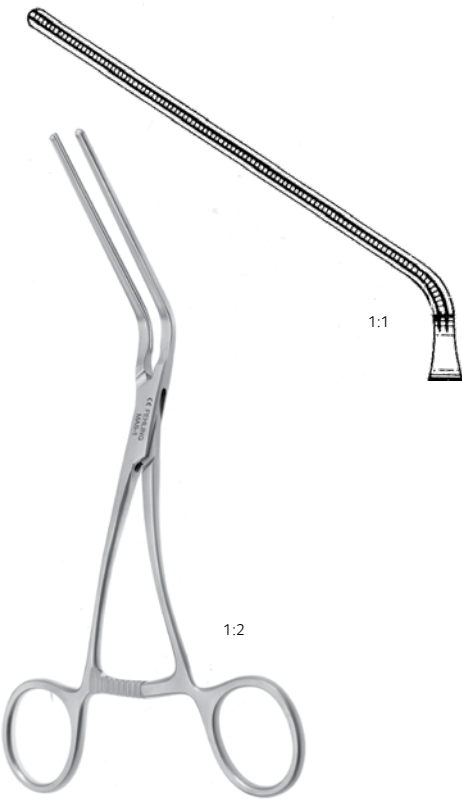
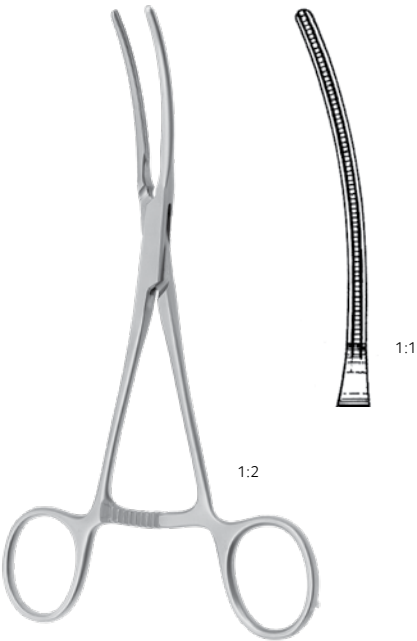


DE BAKEY NON-TRAUMATIC CLAMPS |
DE BAKEY ATRAUMATISCHE KLEMMEN

165 MM
MAP-9

DE BAKEY NON-TRAUMATIC CLAMPS |
DE BAKEY ATRAUMATISCHE KLEMMEN

170 MM
MAC-1



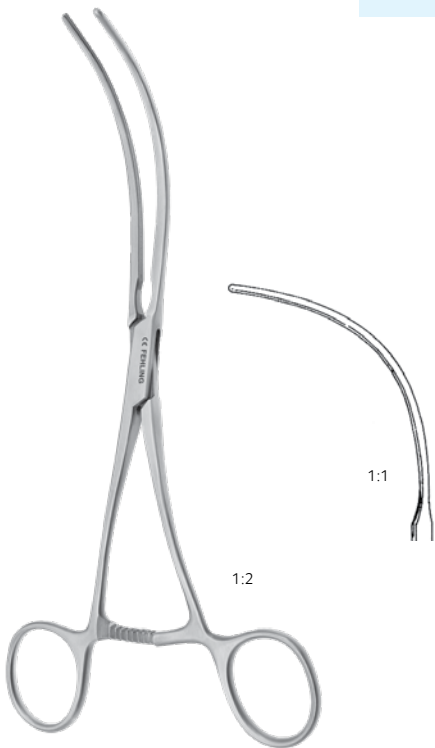
DE BAKEY NON-TRAUMATIC CLAMPS |
DE BAKEY ATRAUMATISCHE KLEMMEN

180 MM
MAS-1

Titanium Titan

DE BAKEY NON-TRAUMATIC
CLAMPS | DE BAKEY
ATRAUMATISCHE KLEMMEN

185 MM
MAR-2
MEP-4

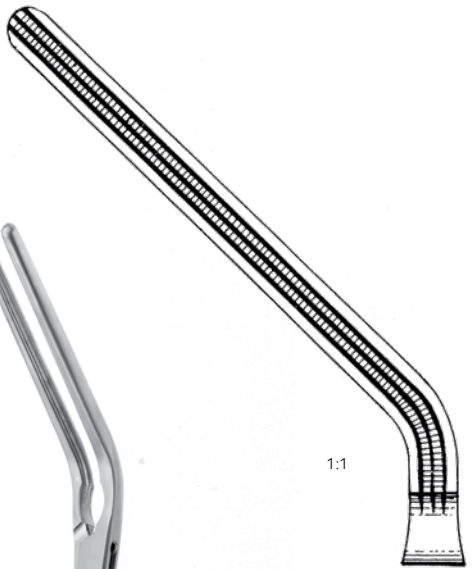


DE BAKEY NON-TRAUMATIC CLAMPS |
DE BAKEY ATRAUMATISCHE KLEMMEN

225 MM	235 MM	280 MM	310 MM
MHD-5	MAS-9	MHD-7	MAT-1

DE BAKEY NON-TRAUMATIC CLAMPS |
DE BAKEY ATRAUMATISCHE KLEMMEN

190 MM
MDV-7

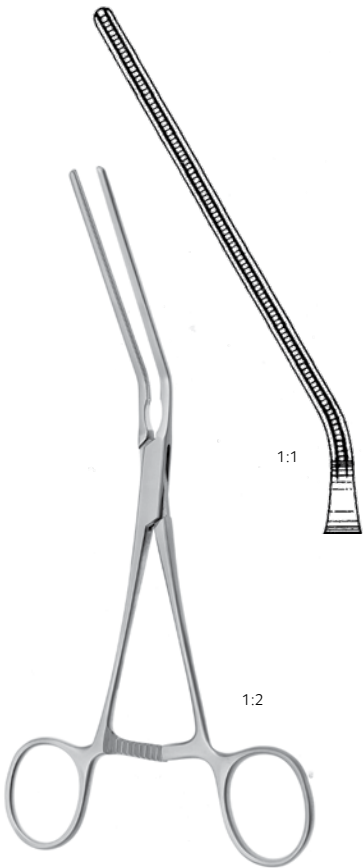
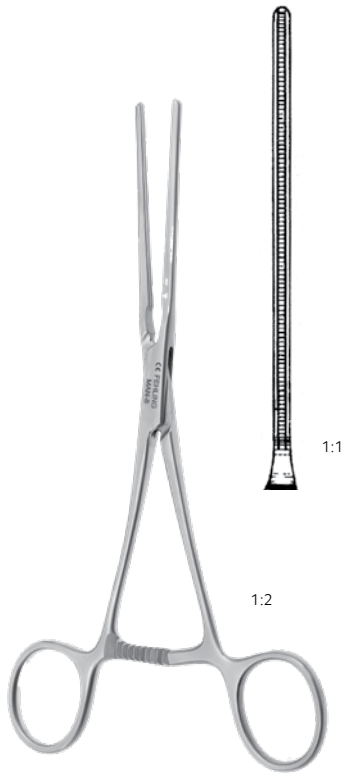


DE BAKEY BORST NON-TRAUMATIC
CLAMPS | DE BAKEY BORST
ATRAUMATISCHE KLEMMEN

200 MM	230 MM	250 MM
MAU-3	MHF-6	MAU-4

DE BAKEY BAINBRIDGE NON-TRAUMATIC
CLAMPS | DE BAKEY BAINBRIDGE
ATRAUMATISCHE KLEMMEN

180 MM
MAN-8



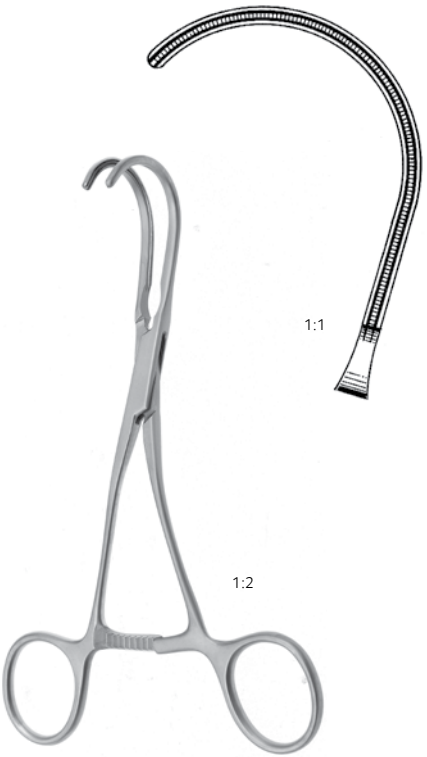
LELAND-JONES NON-TRAUMATIC
CLAMPS | LELAND-JONES
ATRAUMATISCHE KLEMMEN

190 MM	
MAZ-5	MAZ-6



DE BAKEY NON-TRAUMATIC
CLAMPS | DE BAKEY
ATRAUMATISCHE KLEMMEN

170 MM
MAX-8



DE BAKEY NON-TRAUMATIC CLAMPS |
DE BAKEY ATRAUMATISCHE KLEMMEN

 90° 150 MM MHC-7	 60° 160 MM MHC-9	 30° 170 MM MHC-8
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DE BAKEY NON-TRAUMATIC PEDIATRIC FORCEPS |
DE BAKEY ATRAUMATISCHE PÄDIATRISCHE KLEMMEN

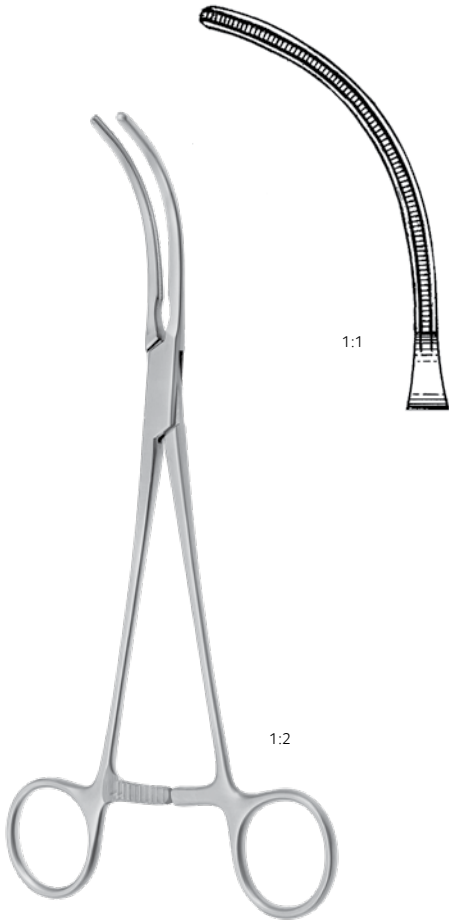
255 MM	265 MM	300 MM	310 MM	2X3 TEETH / ZÄHNE 320 MM
MAA-9	MAB-1	MAB-2	MAB-3	MFR-6



Titanium Titan

GLOVER ANEURYSM AND ANASTOMOSIS CLAMPS | GLOVER ANEURYSMA- UND ANASTOMOSENKLEMMEN

215 MM
MAY-1



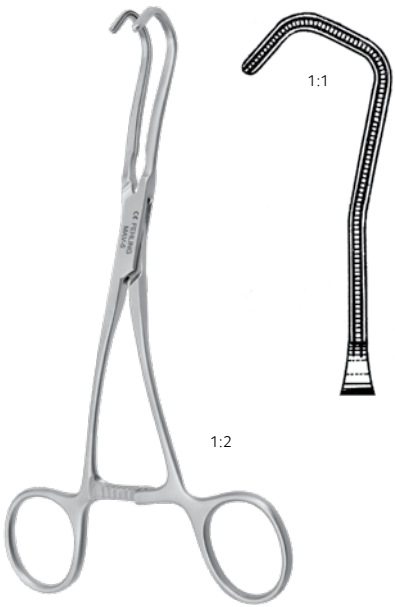
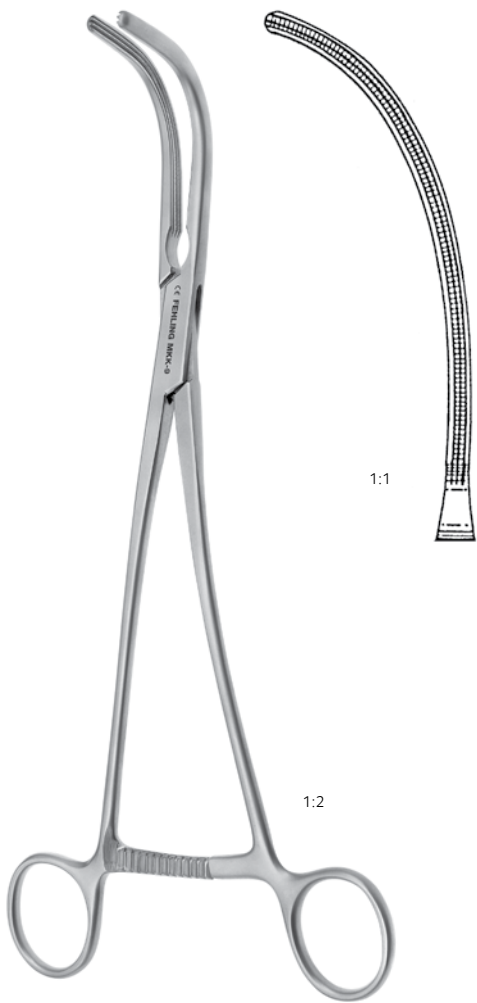
LAMBERT-KAY ANEURYSM AND ANASTOMOSIS CLAMPS | LAMBERT-KAY ANEURYSMA- UND ANASTOMOSENKLEMMEN

200 MM	255 MM
MAU-5	MBA-8
MBF-5	

Titanium Titan

DERRA ANEURYSM AND ANASTOMOSIS CLAMPS |
DERRA ANEURYSMA- UND ANASTOMOSENKLEMMEN

160 MM	170 MM	180 MM
MAV-5	MAV-4	MAB-9



DE BAKEY ANEURYSM AND ANASTOMOSIS CLAMPS |
DE BAKEY ANEURYSMA- UND ANASTOMOSENKLEMMEN

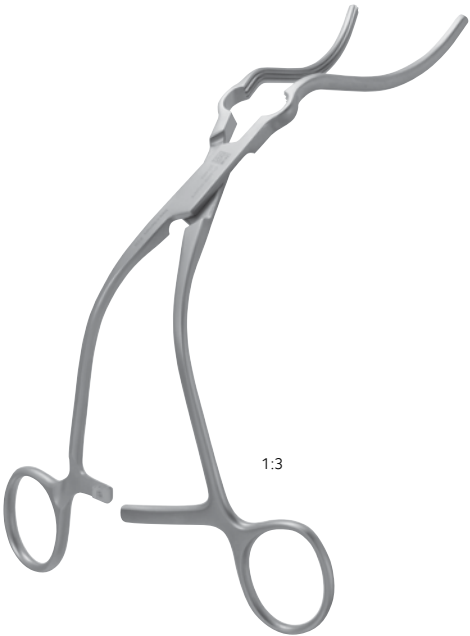
2X3 TEETH / ZÄHNE 265 MM
MKK-8

SATINSKY NON-TRAUMATIC CLAMPS |
SATINSKY ATRAUMATISCHE KLEMMEN



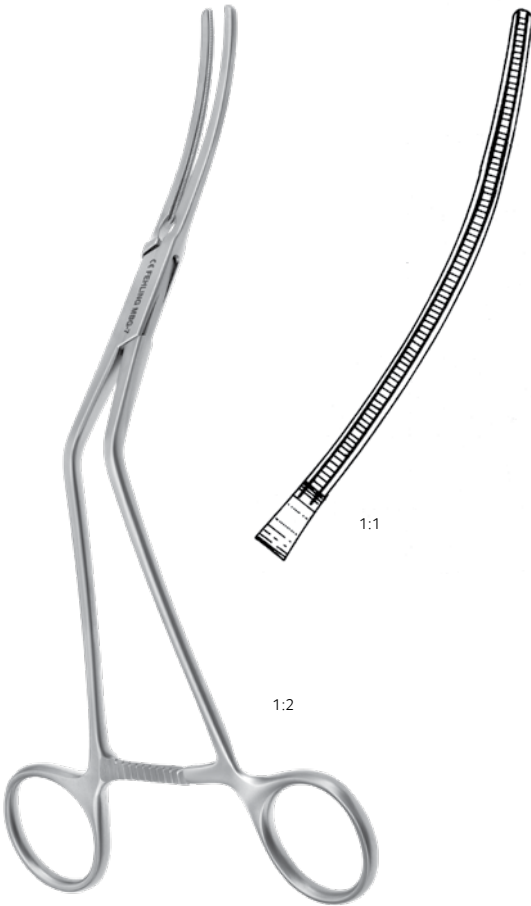
HANNOVER PROXIMAL ARCH CLAMP |
HANNOVER PROXIMALE BOGENKLEMME

TOTAL LENGTH GESAMTLÄNGE	JAW LENGTH MAULLÄNGE	ART. NUMBER
225 mm	82 mm	MNN-7
250 mm	103 mm	MNN-8
260 mm	112 mm	MNN-9



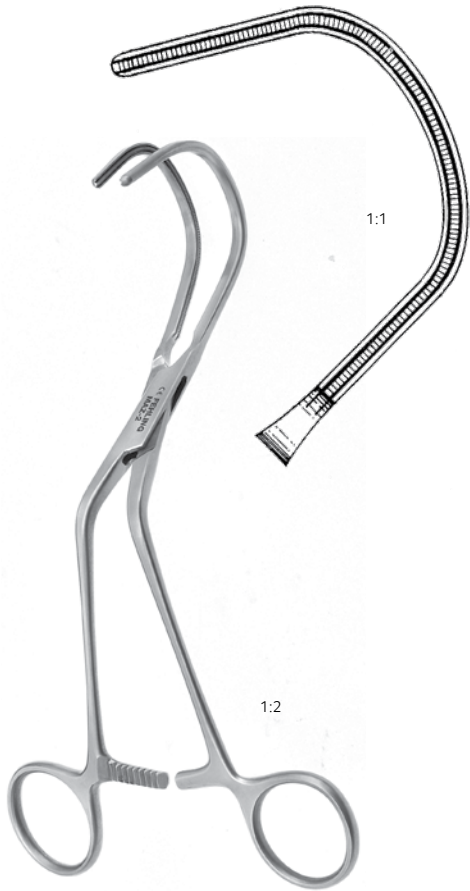
WYLIE AORTIC CLAMPS |
WYLIE AORTENKLEMMEN

240 MM
MBG-7



DE BAKEY PATENT-DUCTUS-
CLAMPS | DE BAKEY PATENT-
DUCTUS-KLEMMEN

210 MM
MEE-3



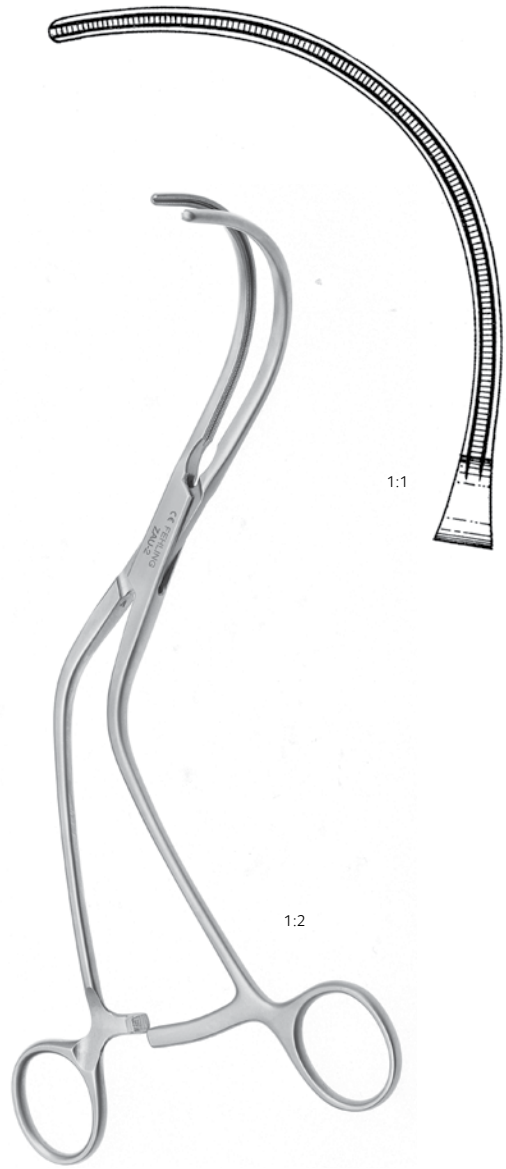
KAY AORTIC CLAMPS |
KAY AORTENKLEMMEN

200 MM
MAZ-2

WEBER VENA CAVA CLAMPS |
WEBER VENA CAVA KLEMMEN

Left Pattern
Linksmodell

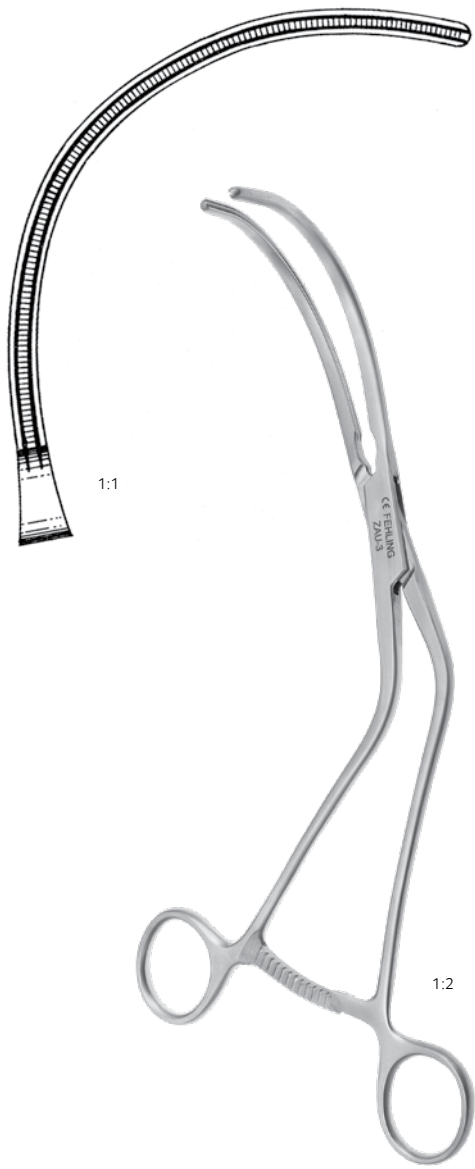
260 MM
ZAU-2



WEBER VENA CAVA CLAMPS |
WEBER VENA CAVA KLEMMEN

Right Pattern
Rechtsmodell

260 MM
ZAU-3



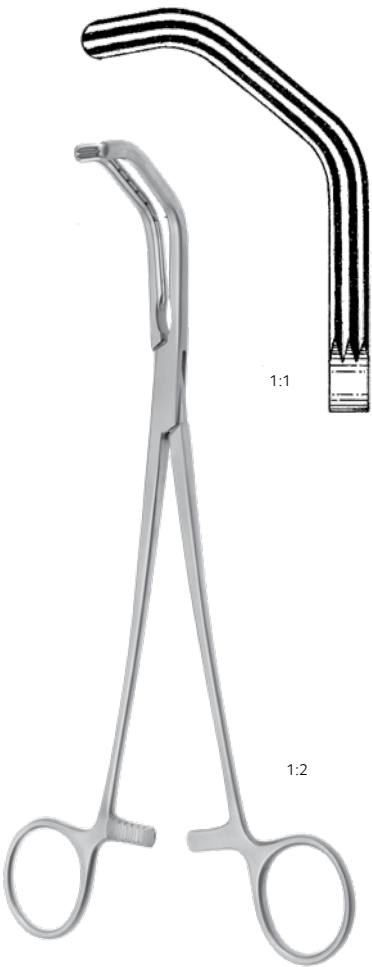
HACKELSTOCK LOOP CLAMPS |
HACKELSTOCK UMFÜHRUNGSKLEMME

240 MM
ZBZ-0S



PRICE THOMAS BRONCHUS
CLAMPS | PRICE THOMAS
BRONCHUSKLEMMEN

220 MM
MEX-7



WATERSTON DISSECTING CLAMPS |
WATERSTON PRÄPARIERKLEMMEN

SLIGHTLY ANGLED / LEICHT GEWINKELT		ANGLED / GEWINKELT: 90°	
180 MM	210 MM	170 MM	200 MM
DAY-7	DAY-9	DAY-6	DAY-8

BABY-ADSON DISSECTING CLAMPS |
BABY-ADSON PRÄPARIERKLEMMEN

TIP / SPITE: 1.25 MM		
185 MM		140 MM
DAZ-8	DCG-8	DAZ-7

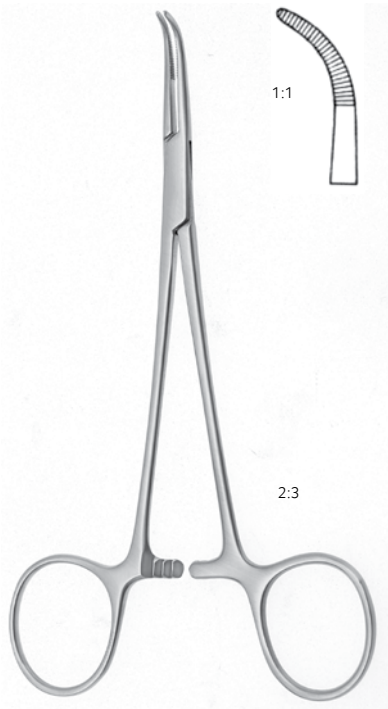


BABY-OVERHOLT DISSECTING CLAMPS |
BABY-OVERHOLT PRÄPARIERKLEMMEN

135 MM
DAV-1

BABY-MIXTER DISSECTING CLAMPS |
BABY-MIXTER PRÄPARIERKLEMMEN

140 MM	180 MM
DBA-1	DBA-2



OVERHOLT-MIXTER DISSECTING CLAMPS |
OVERHOLT-MIXTER PRÄPARIERKLEMMEN

230 MM
DAX-9



HEISS DISSECTING CLAMPS |
HEISS PRÄPARIERKLEMMEN

200 MM
DAG-1

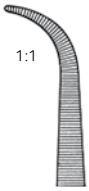
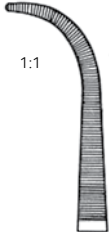
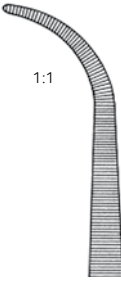
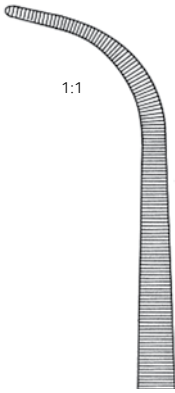
NISSEN DISSECTING CLAMPS |
NISSEN PRÄPARIERKLEMMEN

190 MM
DAL-6

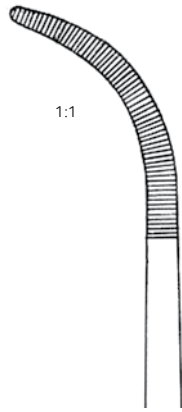
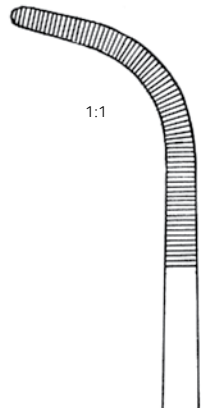


GEMINI DISSECTING CLAMPS |
GEMINI PRÄPARIERKLEMMEN



 1:1	 1:1	 1:1	 1:1	 1:1
140 MM	180 MM	200 MM	230 MM	280 MM
DAV-2	DAV-3	DAV-4	DAV-5	DAV-6

RUMEL DISSECTING CLAMPS |
RUMEL PRÄPARIERKLEMMEN

 1:1	 1:1
240 MM	240 MM
DBL-1	DBL-2



MICRO MOSQUITO DISSECTING
CLAMPS | MIKRO MOSQUITO
PRÄPARIERKLEMMEN

100 MM	120 MM
DBF-4	DBF-9



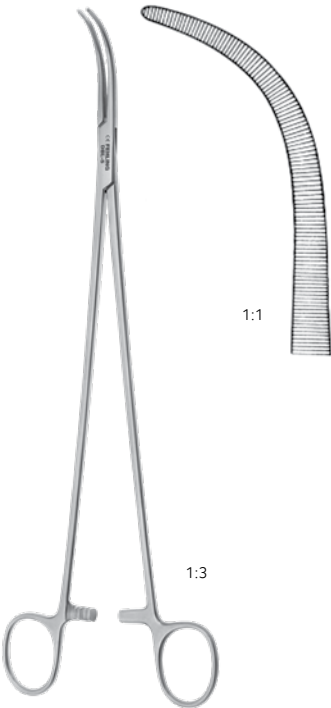
MICRO MOSQUITO DISSECTING CLAMPS | MIKRO MOSQUITO PRÄPARIERKLEMMEN

100 MM	120 MM
DBF-5	DBG-1

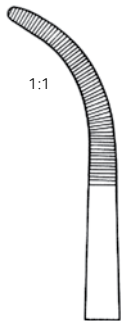


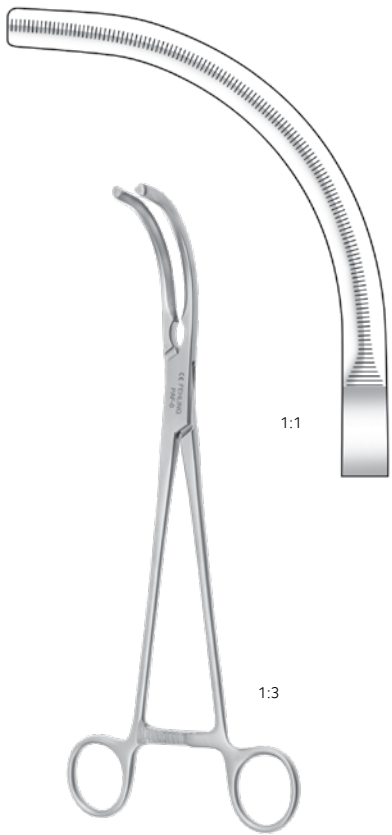
ZENKER DISSECTING CLAMPS | ZENKER PRÄPARIERKLEMMEN

285 MM
DBL-5



OVERHOLT-GEISSENDOERFER DISSECTING CLAMPS | OVERHOLT-GEISSENDOERFER PRÄPARIERKLEMMEN

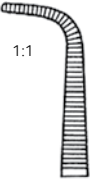
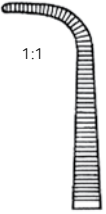
 1:1	 1:1	 1:1
190 MM	225 MM	215 MM
DAW-3	DAW-9	ZAL-7

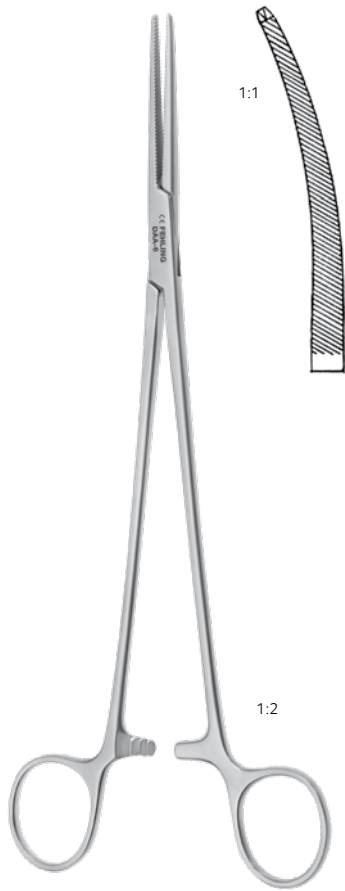


LIVERCLAMP | LEBERKLEMME

260 MM
PAF-0

HEISS DISSECTING CLAMPS |
HEISS PRÄPARIERKLEMMEN

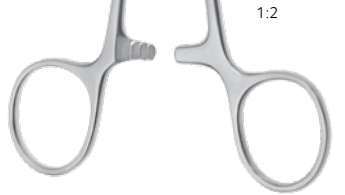
 1:1	 1:1
140 MM	180 MM
DAD-6	DAD-7



BENGOLEA DISSECTING CLAMPS |
BENGOLEA PRÄPARIERKLEMMEN

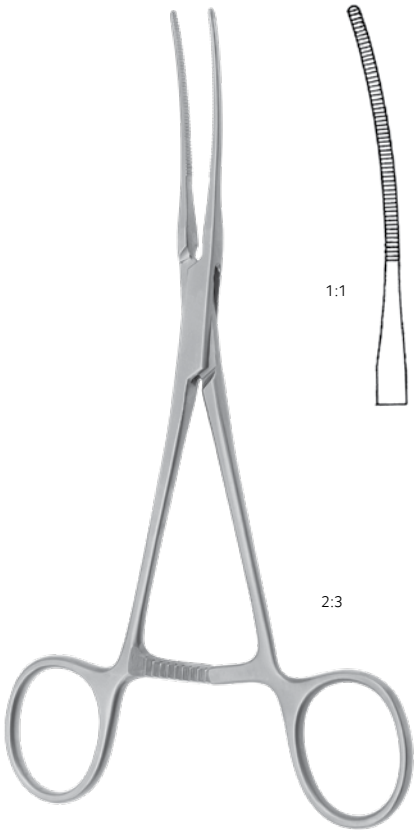
1x2 teeth / Zähne

240 MM
DAB-2



MILLS DISSECTING CLAMPS |
MILLS PRÄPARIERKLEMMEN

165 MM
MFF-8



RUMEL DISSECTING CLAMPS |
RUMEL PRÄPARIERKLEMMEN

230 MM
ZAH-5



ALLIS ORGAN GRASPING FORCEPS |
ALLIS ORGANFASSZANGEN

 1:1	 1:1	 1:1
5X6 TEETH / ZÄHNE		
155 MM	190 MM	255 MM
PAF-2	PAF-3	PAF-4



ALLIS NON TRAUMATIC ORGAN
GRASPING FORCEPS | ALLIS
ATRAUMATISCH ORGANFASSZANGEN

230 MM
PAG-2



SCHEIBE ORGAN GRASPING
FORCEPS | SCHEIBE
ORGANFASSZANGEN

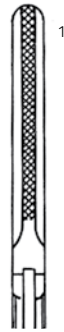
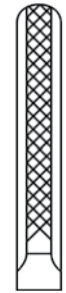
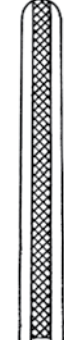
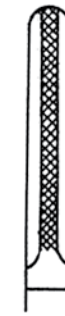
230 MM
PAJ-5

GROSS-MAIER SPONGE AND DRESSING FORCEPS | GROSS-MAIER KORN- UND TUPFERZANGEN

260 MM
DBV-9



TUBING CLAMPS | SCHLAUCHKLEMMEN

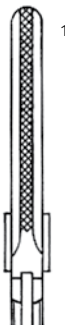
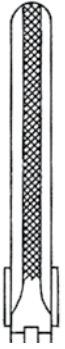
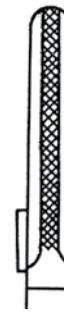
			
1:1	1:1	1:1	1:1
STANDARD		STRONG / STARK	
150 MM	180 MM	200 MM	200 MM
ZAM-4	ZAM-3	DBM-2	DCN-6



TUBING CLAMPS | SCHLAUCHKLEMMEN

With safety guard
Mit Schutzbügel



			
1:1	1:1	1:1	1:1
STANDARD		STRONG / STARK	
155 MM	180 MM	200 MM	190 MM
DCB-6	DCB-7	DCB-8	DCH-1

TOWEL CLAMPS |
TUCHKLEMMEN

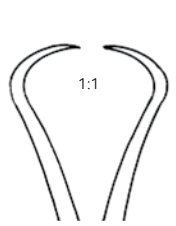
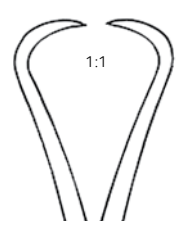
For paper towels
Für Papiertücher

		
1:1	1:1	1:1
135 MM	145 MM	
DBP-5	DCM-7	DCM-8 *

* For 1/2 inch tube
* Für 1/2 Zoll-Schlauch



BACKHAUS TOWEL CLAMPS |
BACKHAUS TUCHKLEMMEN

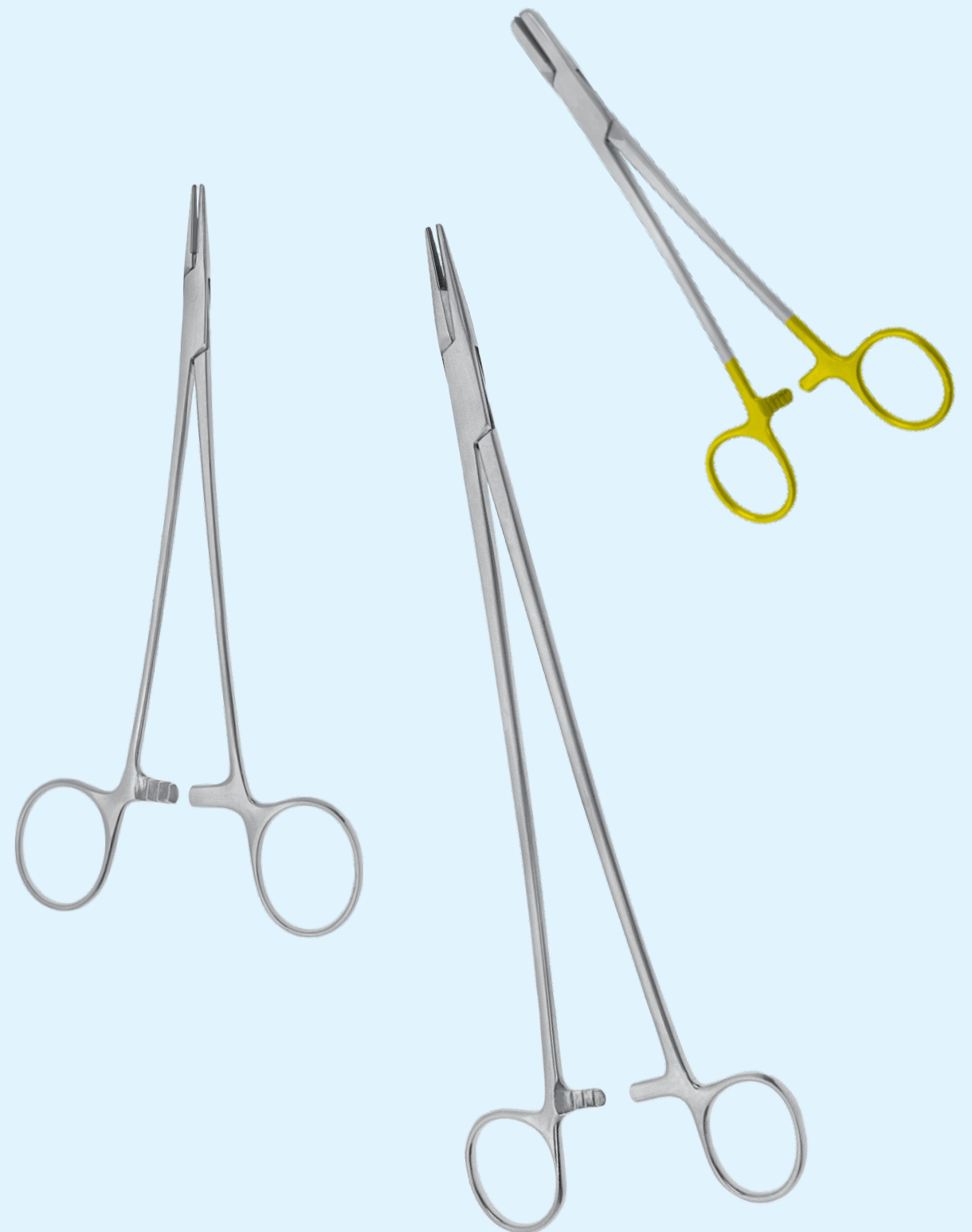
	
1:1	1:1
110 MM	130 MM
DBM-6	DBM-7

NEEDLE HOLDERS

NADELHALTER

166 Needle Holders | Nadelhalter

169 Suture Hooks | Fadenfänger





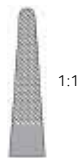
TC DE BAKEY NEEDLE HOLDERS |
TC DE BAKEY NADELHALTER
Max. 4x0

LENGTH LÄNGE	ART. NUMBER
165 mm	KAG-8
180 mm	KAG-9
200 mm	KAH-1
230 mm	KAH-2
260 mm	KAH-3
310 mm	KAH-4

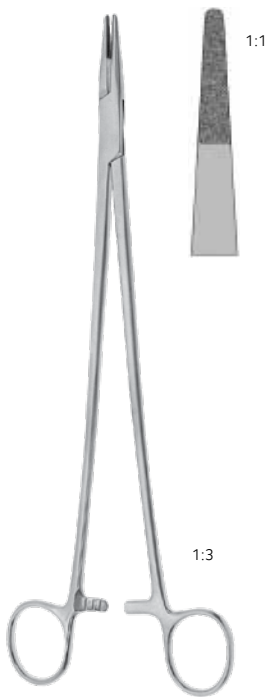
Max. suture size / max. Fadenstärke



TC MAYO-HEGAR NEEDLE HOLDERS |
TC MAYO-HEGAR NADELHALTER
Max. 1x0
Unlimited *

LENGTH LÄNGE	 1:1  1:1	
	STANDARD	STRONG PATTERNS STARKE MODELLE
160 mm	KAP-5	
180 mm	KAP-6	KAL-0 *
200 mm	KAP-7	
240 mm	KAP-8	KCP-5 *
280 mm	KAP-9	
300 mm	KAR-1	

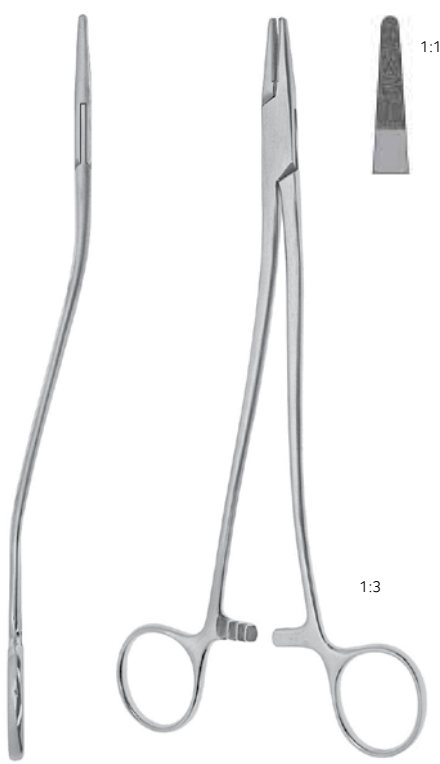
Max. suture size / max. Fadenstärke



TC WANGENSTEEN NEEDLE HOLDERS |
TC WANGENSTEEN NADELHALTER
Max. 1x0

LENGTH LÄNGE	ART. NUMBER
275 mm	KAV-5

Max. suture size / max. Fadenstärke



TC WERTHEIM NEEDLE HOLDERS |
TC WERTHEIM NADELHALTER
Max. 1x0

LENGTH LÄNGE	ART. NUMBER
300 mm	KBG-0



TC WIRE TWISTING FORCEPS |
TC DRAHTSPINNZANGE

 1:1	 1:1
155 MM	185 MM
KAJ-6	KAJ-5



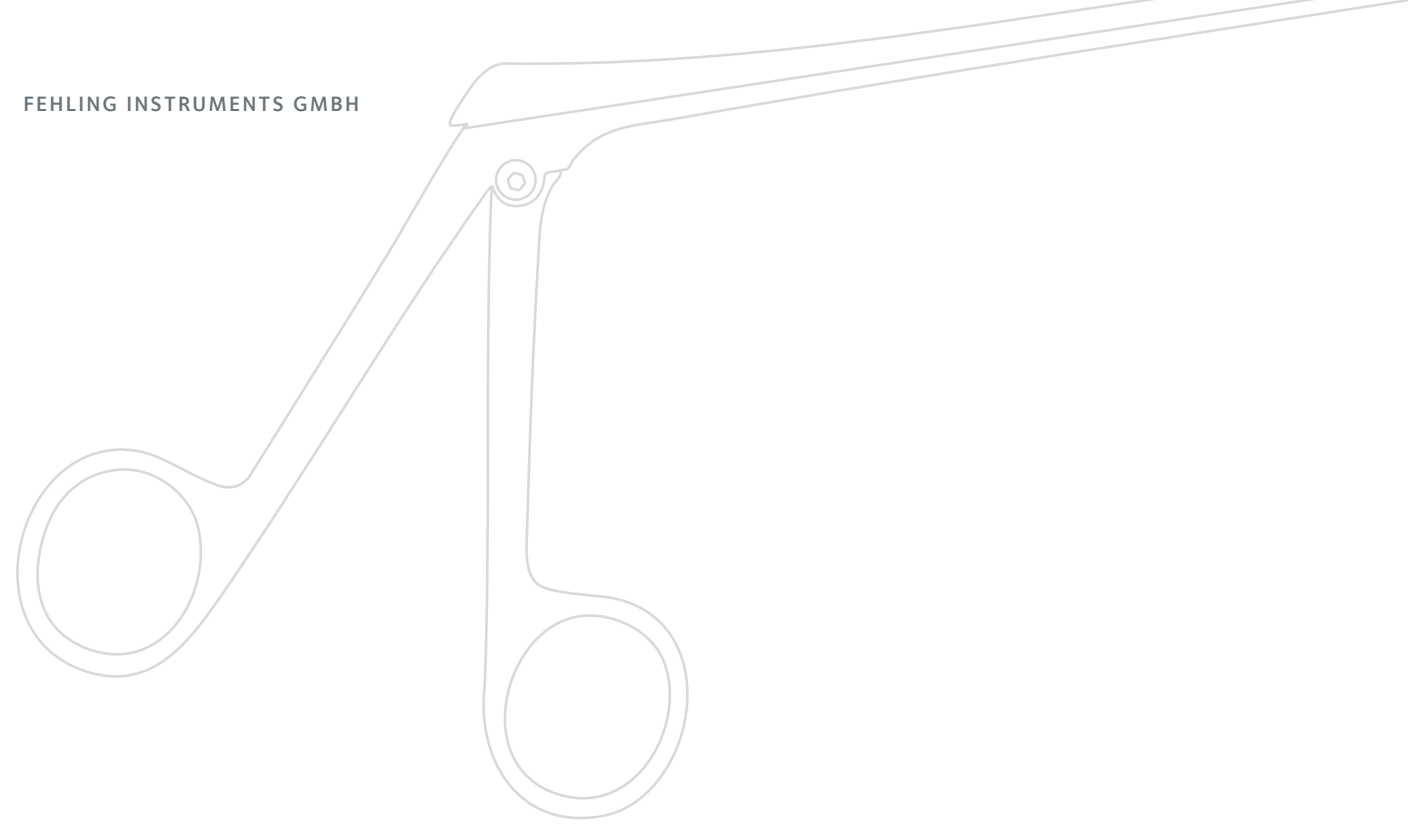
TC FORTISSIMO NEEDLE HOLDERS |
TC FORTISSIMO NADELHALTER

 1:1	200 MM
	KBW-2

SUTURE HOOK |
FADENFÄNGER

	 1:1	 1:1	 1:1	 1:1	 1:1
LENGTH LÄNGE	1.2 MM	1.5 MM	2.0 MM	2.5 MM	3.0 MM
150 mm		KCC-1			
260 mm	KAA-4	KAA-6	KAA-7	KCA-7	KAA-8
280 mm				KCB-9	





PUNCHES AND RONGEURS

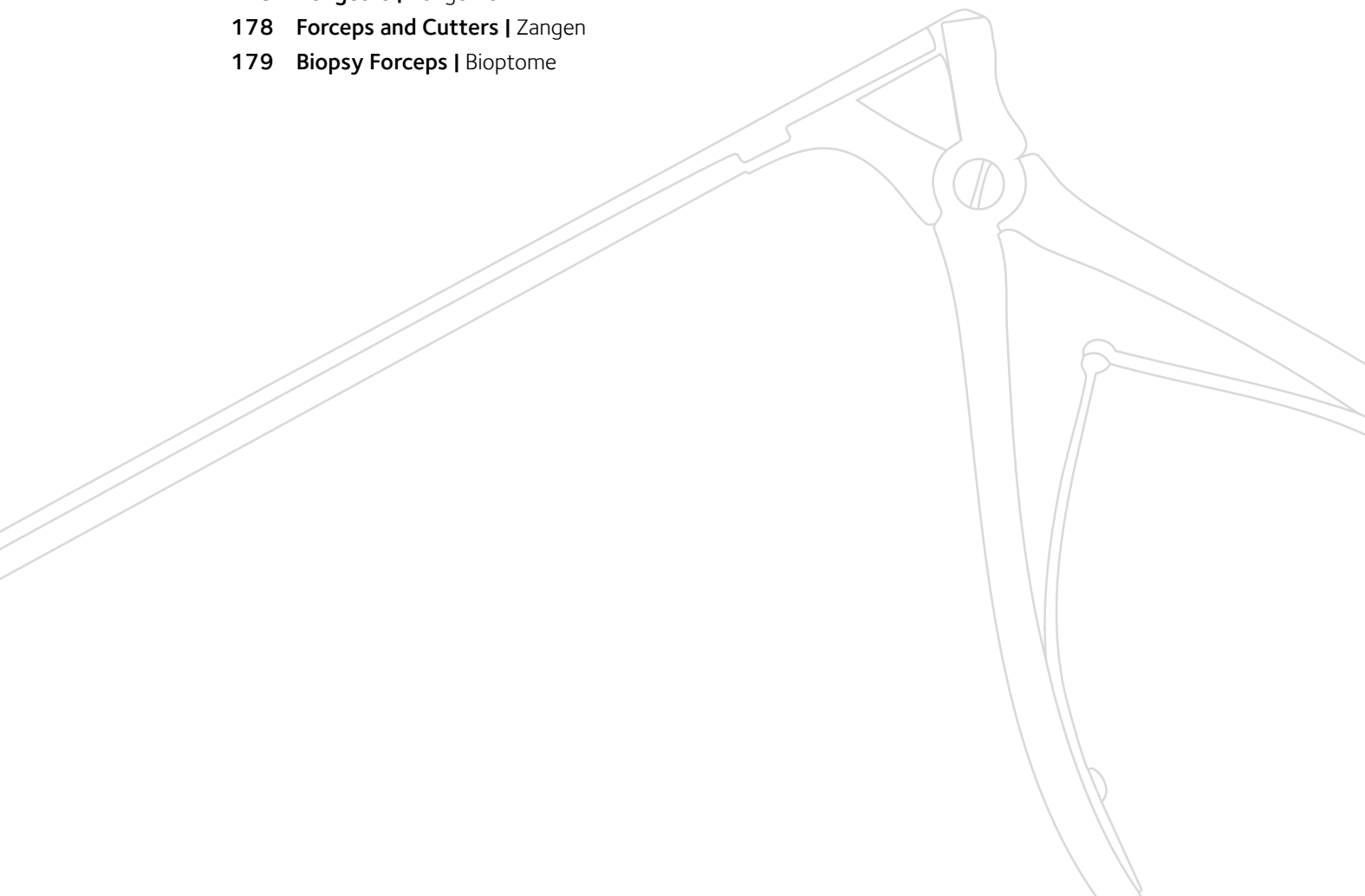
STANZEN UND RONGEURE

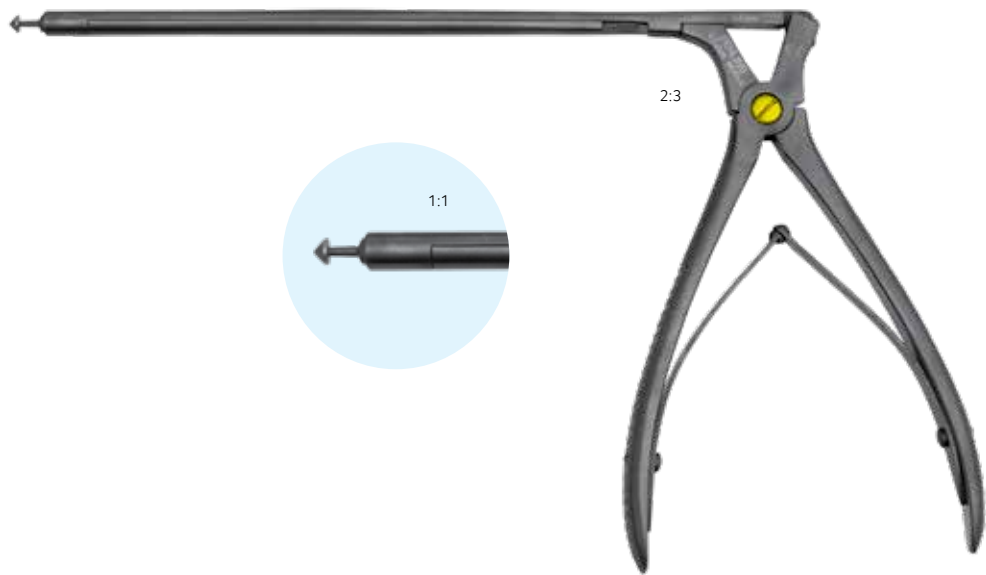
172 Aortic Punches | Aortenstanzen

173 Rongeurs | Rongeurs

178 Forceps and Cutters | Zangen

179 Biopsy Forceps | Biopptome



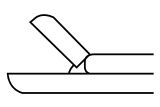
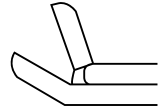


CERAMO® AORTIC PUNCH |
CERAMO® AORTENSTANZE

Ø BLADE / MESSER	LENGTH LÄNGE	
	130 MM	195 MM
3.5 MM	MOE-2	MOD-2
4.0 MM	MOE-3	MOD-3
4.5 MM	MOE-4	MOD-4
5.0 MM		MOD-5

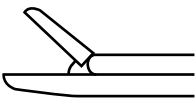
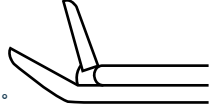
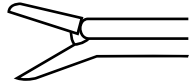


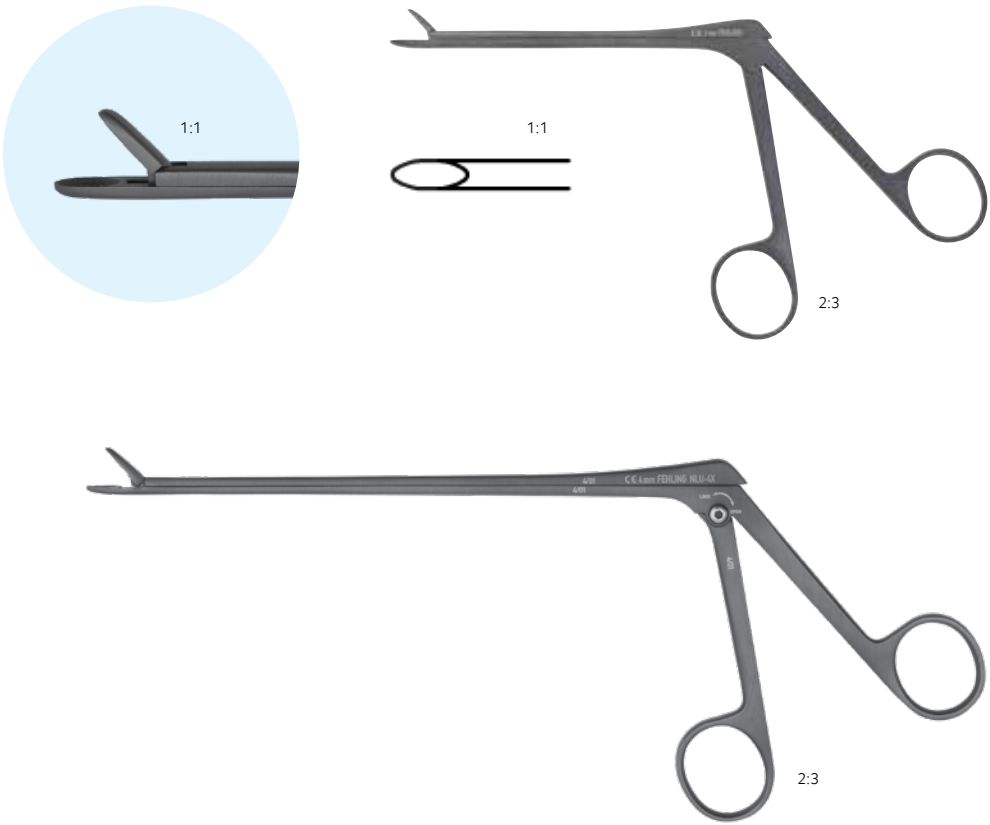
CERAMO® FERRIS-SMITH RONGEUR |
CERAMO® FERRIS-SMITH RONGEURE

WIDTH BREITE	LENGTH LÄNGE		
		ART. NUMBER	
3.0 mm	200 mm	TOG-1	TOH-1
4.0 mm	200 mm	TOG-2	TOH-2
5.0 mm	200 mm	TOG-3	TOH-3

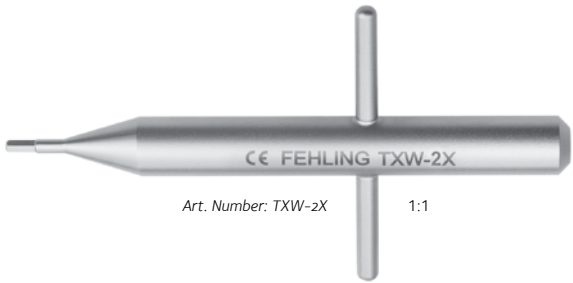
CERAMO® GRUMME AND GRUMME X RONGEURS | CERAMO® GRUMME UND GRUMME X RONGEURE

Grumme X is detachable.
Grumme X ist zerlegbar.

JAW WIDTH MAULBREITE	LENGTH LÄNGE						
		GRUMME	GRUMME X	GRUMME	GRUMME X	GRUMME	GRUMME X
2.0 mm	120 mm		NLO-2X				
	160 mm	NLT-2	NLT-2X	NLT-6	NLT-6X	NLV-2	NLV-2X
	180 mm	NLU-2	NLU-2X	NLU-6	NLU-6X	NLV-6	NLV-6X
	200 mm	NLX-2	NLX-2X	NLX-6	NLX-6X		
	250 mm	NLW-2	NLW-2X				
3.0 mm	120 mm		NLO-3X				
	160 mm	NLT-3	NLT-3X	NLT-7	NLT-7X	NLV-3	NLV-3X
	180 mm	NLU-3	NLU-3X	NLU-7	NLU-7X	NLV-7	NLV-7X
	200 mm	NLX-3	NLX-3X	NLX-7			
	250 mm	NLW-3	NLW-3X		NMJ-9X		
4.0 mm	120 mm		NLO-4X				
	160 mm	NLT-4	NLT-4X	NLT-8	NLT-8X	NLV-4	
	180 mm	NLU-4	NLU-4X	NLU-8	NLU-8X	NLV-8	NLV-8X
	200 mm	NLX-4	NLX-4X	NLX-8	NLX-8X		
	250 mm	NLW-4	NLW-4X				
5.0 mm	120 mm		NLO-5X				
	160 mm	NLT-5	NLT-5X				
	180 mm	NLU-5	NLU-5X	NLU-9	NLU-9X	NLV-9	NLV-9X
	200 mm	NLX-5	NLX-5X	NLX-9	NLX-9X		
	250 mm	NLW-5	NLW-5X				
6.0 mm	120 mm		NLO-0X				
	250 mm	NLW-6	NLW-6X				



ACCESSORIES FOR GRUMME X RONGEURS
ZUBEHÖR FÜR GRUMME X RONGEURE

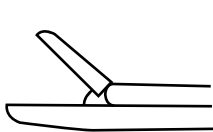
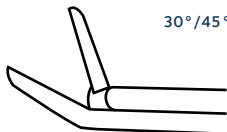
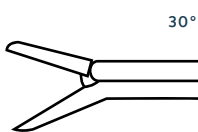


SCREWDRIVER STERILISABLE | SCHRAUBENDREHER STERILISIERBAR

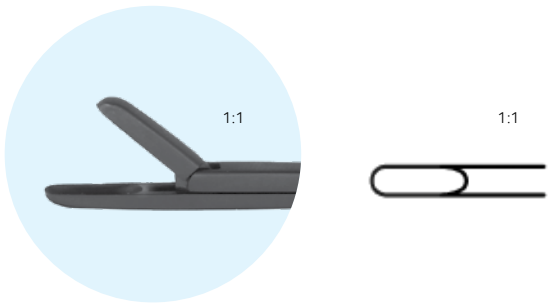
ART. NUMBER
TXW-2X

CERAMO® LOVE-GRUENWALD AND LOVE-GRUENWALD X RONGEURS | CERAMO® LOVE-GRUENWALD UND LOVE-GRUENWALD X RONGEURE

Love-Gruenwald X is detachable.
Love-Gruenwald X ist zerlegbar.

JAW WIDTH MAULBREITE	LENGTH LÄNGE			 30°/45°	 30°/45°	
		LOVE-GRUENWALD	LOVE-GRUENWALD X	LOVE-GRUENWALD	LOVE-GRUENWALD	LOVE-GRUENWALD X
1.0 mm	180 mm	NMM-1		NMN-1	NMO-1	
	200 mm	NLP-1				
2.0 mm	160 mm	NMJ-2		NMK-2		
	180 mm	NMM-2		NMN-2	NMO-2	
	250 mm	NMP-2	NMP-2X	NMQ-2	NMR-2	
	300 mm	NMW-9		NMW-7 ^{45°}	NMW-8 ^{45°}	
	400 mm			NMT-6 ^{45°}	NMT-8 ^{45°}	
3.0 mm	160 mm	NMJ-3		NMK-3		
	180 mm	NMM-3		NMN-3	NMO-3	
	250 mm	NMP-3	NMP-3X	NMQ-3	NMR-3	
	300 mm	NMW-3		NMW-1 ^{45°}	NMW-2 ^{45°}	
	400 mm			NMT-7 ^{45°}	NMT-9 ^{45°}	
4.0 mm	160 mm	NMJ-4		NMK-4		
	180 mm	NMM-4	NMM-4X	NMN-4	NMO-4	
	250 mm	NMP-4	NMP-4X	NMQ-4	NMR-4	
	300 mm	NMU-5		NMU-1 ^{45°}	NMU-2 ^{45°}	
	400 mm			NMU-3 ^{45°}	NMU-4 ^{45°}	
5.0 mm	160 mm	NMJ-5		NMK-5		
	180 mm	NMM-5	NMM-5X	NMN-5	NMO-5	
	250 mm	NMP-5	NMP-5X	NMQ-5	NMR-5	
	300 mm	NMW-6		NMW-4 ^{45°}	NMW-5 ^{45°}	
	400 mm			NMU-8 ^{45°}	NMU-9 ^{45°}	NMU-9X ^{45°}

All rongeurs with length 300 and 400 mm are graduated.
Alle rongeurs in den Längen 300 und 400 mm sind graduert.



TC WIRE CUTTING FORCEPS |
TC DRAHTKNEIFZANGE

LAF-1
175 mm

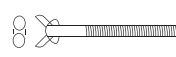
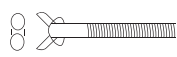
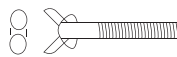


STERNUM WIRE AND STRIP CUTTER |
STERNUMDRAHT- UND BANDZANGE

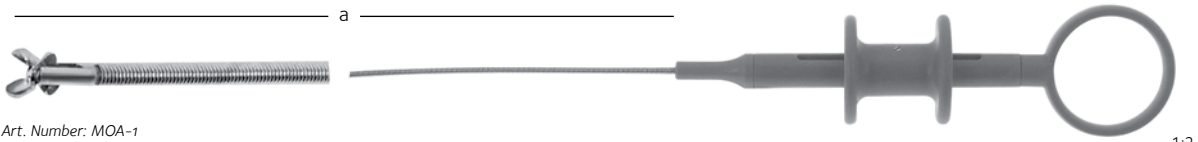
LGJ-5
155 mm



STERILE SINGLE USE BIOPSY FORCEPS |
STERILE EINMALBIOPTOME

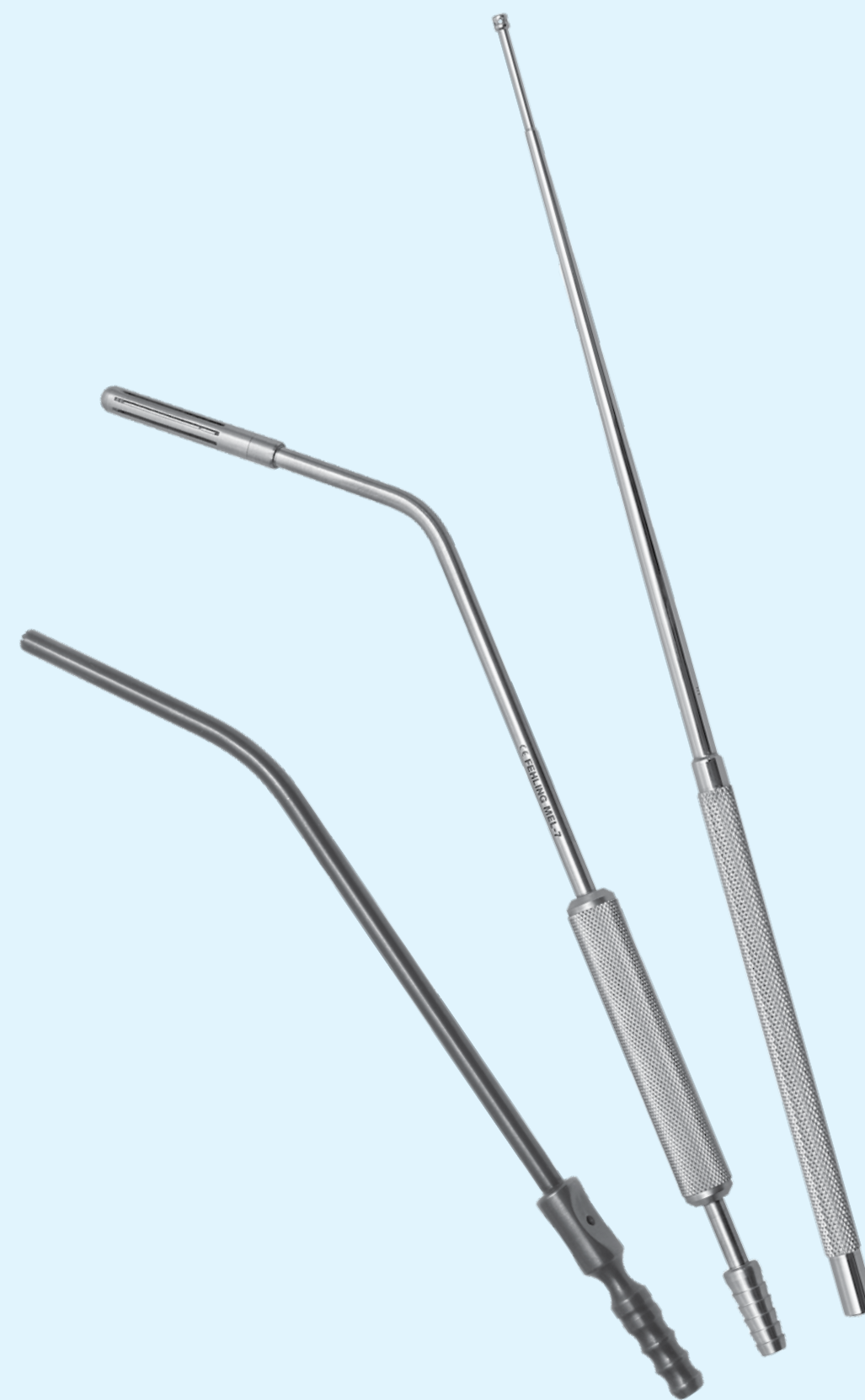
	 1.6 MM	 1.8 MM	 2.2 MM
LENGTH OF SHAFT (a) SCHAFTLÄNGE "a"	ART. NUMBER		
510 mm	MOA-1	MOA-5	MOA-9
800 mm	MOA-2		
1000 mm	MOA-3	MOA-7	
1200 mm	MOA-4	MOA-8	MOB-1
		MOB-5 *	

* Soft shaft
* Weicher Schaft

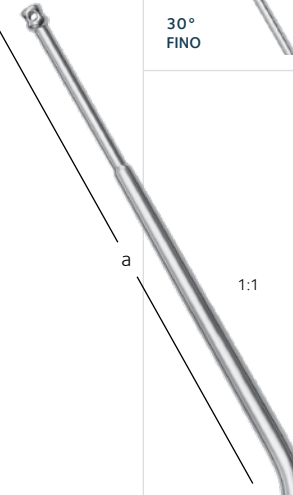


SUCTION INSTRUMENTS

SAUGINSTRUMENTE



JAMIESON DISSECTION CANNULAS |
JAMIESON DISSEKTIONSSAUGER

	Ø HOLE / BALL LOCH / KUGEL	LENGTH LÄNGE		
 1:1	0.5 mm	270 mm		MMT-1
	1.0 mm	210 mm		MNF-0
		270 mm		MNF-6
	1.5 mm	270 mm		MMA-7
 60° 1:1	1.0 mm	260 mm		MMC-0
 - 10 mm - 90° 1:1	1.5 mm	270 mm		MME-5
 2:1 1:1 FINO	1.5 mm	290 mm		MME-1
 2:1 1:1 30° FINO	1.5 mm	290 mm		MME-2
 1:1 a	0.5 mm	a = 70 mm 270 mm	15°	MME-3
			30°	MMJ-0
	1.0 mm	a = 60 mm 270 mm	30°	MMJ-6
	1.0 mm	a = 70 mm 270 mm	15°	MME-4
			30°	MMB-0



2:3

VALVULAR SUCTION TUBE |
SAUGER FÜR KLAPPENCHIRURGIE

350 MM*
MNO-8

* Particularly for MICS MVR
* Speziell für MICS MKR/MKE



1:2

CERAMO® SUCTION CANNULA
FOR VALVE DECALCIFICATION |
CERAMO® ENTKALKUNGSSAUGER

Ø 6.0 mm

240 MM
MNF-5



1:3

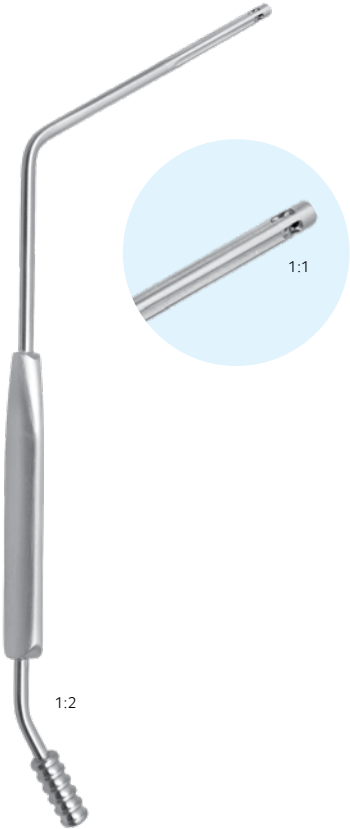
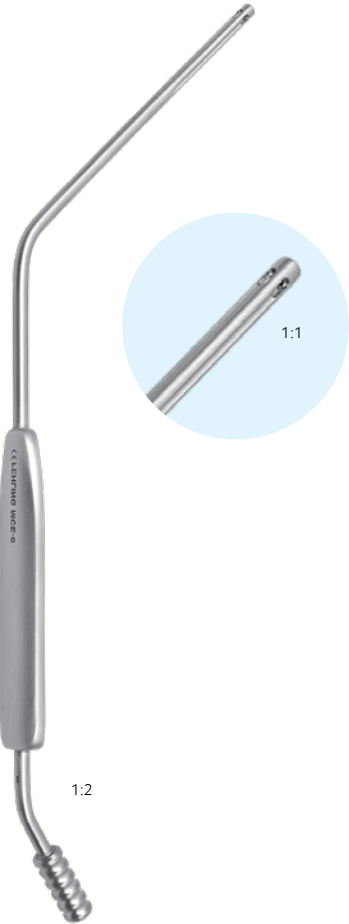


HLM-ASPIRATOR |
HLM-SAUGER

280 MM
MEL-7

SUCTION INSTRUMENT
PEDIATRIC |
OP-SAUGER KIND
40°

Ø MM	245 MM
4.0	MCE-8



SUCTION INSTRUMENT
PEDIATRIC |
OP-SAUGER KIND
65°

Ø MM	225 MM
4.0	MCE-9

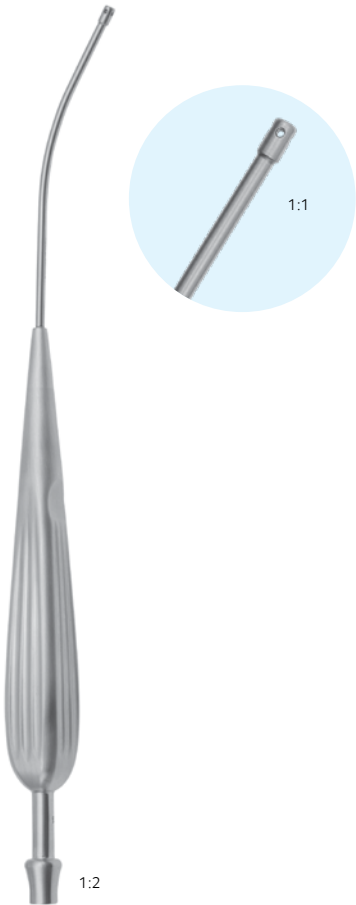
PEDIATRIC ASPIRATOR |
PÄDIATRISCHER SAUGER
60°

Ø MM	210 MM
3.0	MNE-5



ANDREWS PYNCHON SUCTION PEDIATRIC |
ANDREWS PYNCHON SAUGER PÄDIATRISCH

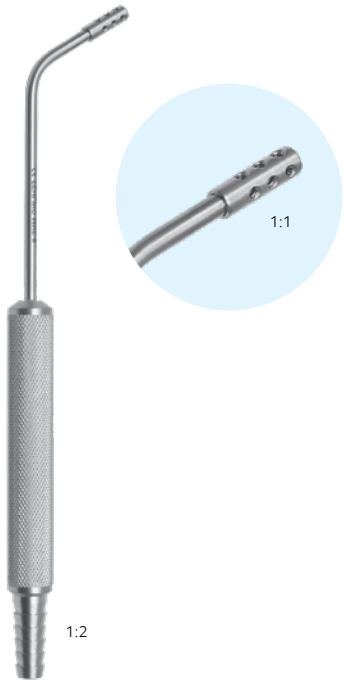
LENGTH LÄNGE	Ø MM	ART. NUMBER
240 mm	3.0	MNO-4
	4.2	MNO-5



SEBENING PEDIATRIC ASPIRATOR |
SEBENING PÄDIATRISCHER SAUGER

60°
Detachable basket
Korb abnehmbar

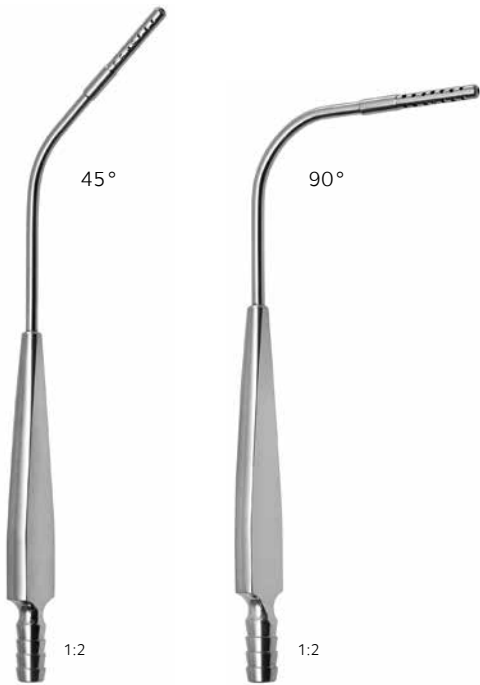
Ø MM	180 MM
3.3	MNE-8



GRECO PEDIATRIC ASPIRATOR |
GRECO PÄDIATRISCHER SAUGER

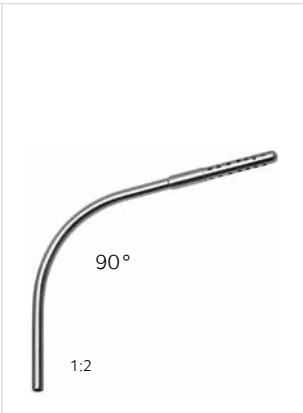
Basket detachable
Korb abnehmbar

Ø TUBE / ROHR	180 MM	160 MM
3.3 mm	MNM-1	MNM-2
5.0 mm	MNM-3	



GRECO HLM-CANNULA |
GRECO HLM-KANÜLE

Basket detachable
Korb abnehmbar

		
Ø TUBE / ROHR	95 MM	80 MM
3.3 mm		MNM-6
5.0 mm	MNM-7	

GRECO PEDIATRIC ASPIRATOR |
GRECO PÄDIATRISCHER SAUGER

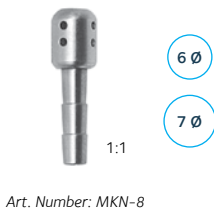
45°

Ø TUBE / ROHR	210 MM
3.3 mm	MNL-2
5.0 mm	MNL-5



PEDIATRIC VENTRICULAR SUCTION
CANNULA | KINDER-VENTRIKELSAUGER

LENGTH LÄNGE	Ø MM	ART. NUMBER
23 mm	6.0	MKN-8
25 mm	7.0	MKK-5



VENTRICULAR SUCTION CANNULA FOR 1/4" TUBE |
VENTRIKELSAUGER FÜR 1/4" SCHLAUCH

1:1	1:1
Ø 16 MM	9 X 12 MM
MCC-0	MCC-1

HEPARIN CANNULA | HEPARIN KANÜLE

Ø TUBE / ROHR	LENGTH / LÄNGE		
	48 MM	55 MM	160 MM
1.2 mm	HAH-9	HAJ-2	
2.0 mm			HAJ-3



AORTIC DEAIRING CANNULA |
AORTEN-ENTLÜFTUNGSKANÜLE

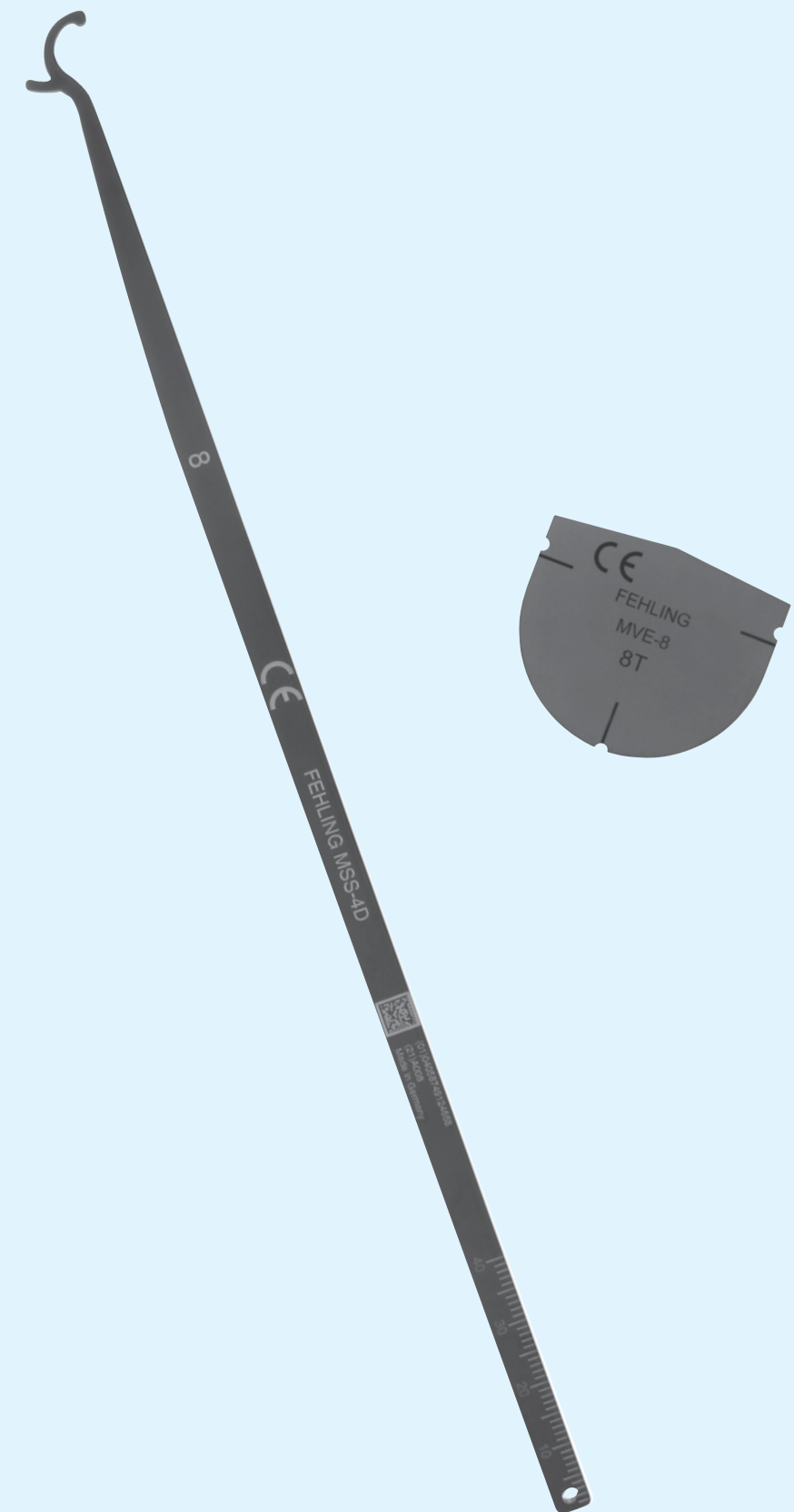
ART. NUMBER
MBR-2



PROBES AND GAUGES

SONDEN UND LEHREN

- 194 Probes | Sonden
- 195 Gauges | Lehren
- 198 AVR-set | AKR-Set



SUPERPLAST VASCULAR PROBES |
SUPERPLAST GEFÄSSSONDEN

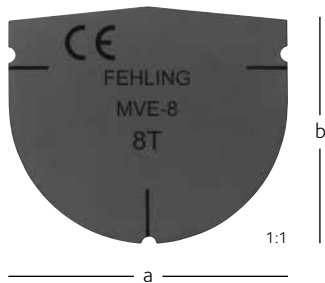
Ø OLIVE	LENGTH LÄNGE		
	140 mm	180 mm	210 mm
0.5 mm	MNG-0N	MNH-0N	
0.75 mm		MNK-7N	
1.0 mm	MNG-1N	MNH-1N	MIH-1N
1.25 mm	MNK-3N	MNK-5N	
1.5 mm	MNG-2N	MNH-2N	MIH-2N
1.75 mm	MNK-4N	MNK-6N	
2.0 mm	MNG-3N	MNH-3N	MIH-3N
2.25 mm	MNK-8N	MNK-9N	
2.5 mm	MNG-4N	MNH-4N	MIH-4N
3.0 mm	MNG-5N	MNH-5N	MIH-5N
3.5 mm	MNG-6N	MNH-6N	MIH-6N
4.0 mm	MNG-7N	MNH-7N	MIH-7N
4.5 mm	MNG-8N	MNH-8N	MIH-8N
5.0 mm	MNG-9N	MNH-9N	MIH-9N



1:1

TRIKUSPID SUPERPLAST AV-CUSP
GAUGE | TRIKUSPID SUPERPLAST AK-
SEGELIMPLANTAT-LEHRE

SIZE GRÖSSE	WIDTH X HEIGHT BREITE X HÖHE a x b	ART. NUMBER
1T	19 x 20 mm	MVE-1
3T	25 x 24 mm	MVE-3
4T	28 x 26 mm	MVE-4
7T	37 x 32 mm	MVE-7
9T	43 x 36 mm	MVE-9



SUPERPLAST instruments are constructed of shape-memory metal. This metal has unique qualities under different thermal conditions. The instruments are malleable in normal OR temperatures. Soft pressure allows “permanent” deformation of shape according to the surgeon’s needs. However in higher temperature, such as those found in the autoclave, the instruments regain their initial shape.

SUPERPLAST Instrumente sind aus Metall mit Formgedächtnis. Sie bieten bestimmte Eigenschaften entsprechend den thermischen Bedingungen. Sie sind bei normaler OP-Temperatur biegsam und können durch sanften Druck in die gewünschte Form gebracht werden. Unter höheren Temperaturen, wie bei der Sterilisation, nehmen sie ihre ursprüngliche Form wieder an.

CERAMO® GAUGE FOR EFFECTIVE HEIGHT | CERAMO® MESSLEHRE FÜR EFFEKTIVE HÖHE

230 mm

SIZE GRÖSSE	WIDTH X HEIGHT BREITE X HÖHE a x b	ART. NUMBER
5	5 x 5 mm	MSS-4A
6	6 x 6 mm	MSS-4B
7	7 x 7 mm	MSS-4C
8	8 x 8 mm	MSS-4D
9	9 x 9 mm	MSS-4E
10	10 x 10 mm	MSS-4F
11	11 x 11 mm	MSS-4G
12	12 x 12 mm	MSS-4H



1:1

CERAMO® HOLUBEC ANTERIOR LEAFLET GAUGE | CERAMO® HOLUBEC SEGELLEHRE

MSS-5

360 mm

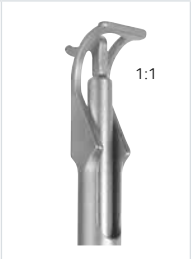
a x b
6 x 30 mm



2:3

SCHÄFERS AVR-SET
SCHÄFERS AKR-SET

CALLIPER FOR AORTIC VALVE CUSP |
LEHRE FÜR AORTENKLAPPENSEGEL
200 mm

			
	1:1	1:1	1:1
SIZE GRÖSSE	LARGE GROSS	MEDIUM MITTEL	SMALL KLEIN
ART. NUMBER	MSS-1V	MSS-3	MSS-2V



2:3

RULER |
MESSSTAB
MNV-0
160 mm



1:1

MICS INSTRUMENTS

MICS INSTRUMENTE



CHORDAE GAUGE AND KNOT
ASSISTANT CHORDAE | CHORDAE
LEHRE UND KNOTENASSISTENT

230 MM	350 MM
MNV-4	MNV-7



2:3

CHORDAE TYING AND
MEASUREMENT ASSISTANT |
CHORDAE MESS- UND KNOTENASSISTENT

240 MM
MNV-1



2:3

CHORDAE / CUSP RETRACTOR, FLAT |
CHORDAE- / SEGELRETRAKTOR, FLACH

240 MM	350 MM
MNV-6	MNV-8



2:3



1:1

CERAMO® HCR FORCEPS |
CERAMO® HCR PINZETTEN



 1:1 1.2 x 8 MM		 1:1 1 x 10 MM		 1:1 3 x 15 MM		
SUTURE / NAHT				VALVE / Klappe		
280 MM	350 MM	345 MM	400 MM	280 MM	350 MM	400 MM
Ø 3.5 MM	Ø 3.4 MM	Ø 5.0 MM				
MRC-1	MSP-7	MRA-5	MRA-5L	MQZ-8	MRA-0 MRQ-3 *	MRA-OL MRQ-3L *

	 1:1			 1:1 DISC / TELLER 1 MM		 80° 1,5 x 1,5 MM 1:1
	RUSSIAN / RUSSISCH			TISSUE / GEWEBE		ANATOMIC / ANATOMISCH DOUBLE ACTION / BEIDSEITIG ÖFFNEND
TOTAL LENGTH GESAMTLÄNGE	280 MM	350 MM	400 MM	350 MM	350 MM	
SHAFT DIAMETER SCHAFTDURCHMESSER	Ø 5.0 MM			Ø 3.0 MM	Ø 5.0 MM	
ART. NUMBER	MQZ-5	MRQ-5	MRQ-5L	MSQ-4	MUA-1	

* With lock / Mit Sperre

CERAMO® HCR FORCEPS |
CERAMO® HCR PINZETTEN

 1:1  1:1					
NON-TRAUMATIC / ATRAUMATISCH					
TOTAL LENGTH GESAMTLÄNGE	350 MM	400 MM	280 MM	350 MM	400 MM
SHAFT DIAMETER SCHAFTDURCHMESSER	Ø 5.0 MM				
ART. NUMBER	MRG-7	MRG-7L	MSO-6	MRG-6	MRG-6L

 1:1  1:1						
NON-TRAUMATIC / ATRAUMATISCH						
SIZE GRÖSSE	1.5 x 15 MM		2.8 x 15 MM			
TOTAL LENGTH GESAMTLÄNGE	290 MM	350 MM	280 MM	350 MM	400 MM	430 MM
SHAFT DIAMETER SCHAFTDURCHMESSER	Ø 3.0 MM		Ø 5.0 MM			
ART. NUMBER	MRC-2D	MSP-8D	MRN-0 MRN-OB *	MRA-3 MRA-3B * MRA-3U **	MQZ-2 * MRA-3L	MRD-4

* With lock / Mit Sperre
** No CERAMO® / Kein CERAMO®

CERAMO® HCR FORCEPS |
CERAMO® HCR PINZETTEN

 1:1  1:1		
NON-TRAUMATIC / ATRAUMATISCH		
TOTAL LENGTH GESAMTLÄNGE	350 MM	400 MM
SHAFT DIAMETER SCHAFTDURCHMESSER	Ø 5.0 MM	
ART. NUMBER	MRA-4	MRA-4L

 1:1			
NON-TRAUMATIC / ATRAUMATISCH			
TOTAL LENGTH GESAMTLÄNGE	280 MM	350 MM	400 MM
SHAFT DIAMETER SCHAFTDURCHMESSER	Ø 5.0 MM		
ART. NUMBER	MQY-7K	MQY-7	MQY-7L



CERAMO® HCR FORCEPS |
CERAMO® HCR PINZETTEN

	 1:1 1.5 x 15 MM	 1:1 45° 1.4 x 12 MM	 1:1 45° 1.5 x 12 MM	
NON-TRAUMATIC / ATRAUMATISCH				
TOTAL LENGTH GESAMTLÄNGE	240 MM	290 MM	280 MM	
SHAFT DIAMETER SCHAFTDURCHMESSER	Ø 3.4 MM	Ø 3.5 MM		
ART. NUMBER	MRC-2K	MRC-2	MRC-0	MRC-3

 1:1 45° DELICATE / FEIN 1.2 x 12 MM  DELICATE / FEIN 1.2 x 12 MM  1:1 2.8 x 15 MM			
NON-TRAUMATIC / ATRAUMATISCH			
TOTAL LENGTH GESAMTLÄNGE	350 MM		400 MM
SHAFT DIAMETER SCHAFTDURCHMESSER	Ø 3.0 MM		Ø 3.4 MM
ART. NUMBER	MSP-9D	MSQ-3	MRB-7



CERAMO® HCR NEEDLE HOLDERS |
CERAMO® HCR NADELHALTER

With lock / Mit Sperre

 1:1 1 x 10 MM MAX. 5x0  1:1 2 x 10 MM MAX. 5x0  1:1 3 x 10 MM MAX. 3x0								
TCM								
TOTAL LENGTH GESAMTLÄNGE	340 MM	400 MM	340 MM	400 MM	280 MM	340 MM	400 MM	430 MM
SHAFT DIAMETER SCHAFTDURCHMESSER	Ø 5.0 MM							
ART. NUMBER	MRB-3	MRB-3L	MRB-2	MRB-2L	MRG-8	MRB-1	MRB-1L	MRD-5

 1:1 1 x 10 MM MAX. 6x0  1:1 2 x 10 MM MAX. 5x0						
TCM						
TOTAL LENGTH GESAMTLÄNGE	250 MM	280 MM	350 MM	240 MM	280 MM	360 MM
SHAFT DIAMETER SCHAFTDURCHMESSER	Ø 3.5 MM	Ø 3.4 MM		Ø 3.5 MM		
ART. NUMBER	MRM-4	MRC-5	MSP-6	MRC-4K	MRC-4	MRC-4L



CERAMO® HCR NEEDLE HOLDERS |
CERAMO® HCR NADELHALTER

With lock / Mit Sperre

	 1.5 MM MAX. 5x0 1:1		 2.5 x 10 MM MAX. 4x0 1:1		 3 x 10 MM MAX. 2x0 1:1		
	TC RYDER		TC				
TOTAL LENGTH GESAMTLÄNGE	350 MM	400 MM	340 MM	400 MM	280 MM	340 MM	400 MM
SHAFT DIAMETER SCHAFTDURCHMESSER	Ø 5.0 MM						
ART. NUMBER	MSO-1	MSO-1L	MRT-1	MRT-1L	MRT-6	MRG-9 MRD-0 *	MRG-9L

	 3 x 10 MM MAX. 2x0 1:1				
	TC				
TOTAL LENGTH GESAMTLÄNGE	280 MM	400 MM	340 MM	350 MM	440 MM
SHAFT DIAMETER SCHAFTDURCHMESSER	Ø 5.0 MM				
ART. NUMBER	MSO-5	MSO-5L	MRG-2S	MRG-2	MRG-2L *

* Without lock / Ohne Sperre



CERAMO® HCR NEEDLE HOLDERS |
CERAMO® HCR NADELHALTER

With lock / Mit Sperre

	 3.5 x 9 MM MAX. 2x0 1:1			 4 x 9 MM MAX. 2x0 1:1		
	TCM					
TOTAL LENGTH GESAMTLÄNGE	280 MM	350 MM	400 MM	280 MM	350 MM	400 MM
SHAFT DIAMETER SCHAFTDURCHMESSER	Ø 5.0 MM					
ART. NUMBER	MQX-4	MQY-1	MQX-1	MQX-5	MQY-2	MQX-2

	 4.5 x 9 MM MAX. 2x0 1:1		
	TCM		
TOTAL LENGTH GESAMTLÄNGE	280 MM	350 MM	400 MM
SHAFT DIAMETER SCHAFTDURCHMESSER	Ø 5.0 MM		
ART. NUMBER	MQX-6	MQY-3	MQX-3

CERAMO® HCR NEEDLE HOLDERS |
CERAMO® HCR NADELHALTER

With lock / Mit Sperre
Curved / Gebogen

	 OPS 3.5 x 9 mm MAX. 2x0			 OPS 4 x 9 mm MAX. 2x0		
	TCM					
TOTAL LENGTH GESAMTLÄNGE	280 MM	350 MM	400 MM	280 MM	350 MM	400 MM
SHAFT DIAMETER SCHAFTDURCHMESSER	Ø 5.0 MM					
ART. NUMBER	MQX-4G	MQY-1G	MQX-1G	MQX-5G	MQY-2G	MQX-2G

	 OPS 4.5 x 9 mm MAX. 2x0		
	TCM		
TOTAL LENGTH GESAMTLÄNGE	280 mm	350 mm	400 mm
SHAFT DIAMETER SCHAFTDURCHMESSER	Ø 5.0 mm		
ART. NUMBER	MQX-6G	MQY-3G	MQX-3G



CERAMO® HCR SCISSORS |
CERAMO® HCR SCISSORS

	 1:1		 1:1		 1:1		
	VALVE / Klappe						
TOTAL LENGTH GESAMTLÄNGE	280 MM	350 MM	280 MM	350 MM	280 MM	350 MM	450 MM
SHAFT DIAMETER SCHAFTDURCHMESSER	Ø 5.0 MM						
ART. NUMBER	MQZ-7	MRT-2	MSO-2	MRT-3	MSO-3	MRD-7	MRD-7L

	 1:1		 1:1		 1:1		
	VALVE / Klappe						
TOTAL LENGTH GESAMTLÄNGE	350 MM	280 MM	350 MM	400 MM	280 MM	350 MM	400 MM
SHAFT DIAMETER SCHAFTDURCHMESSER	Ø 5.0 MM						
ART. NUMBER	MRA-7	MSO-4	MRT-5	MRT-5L	MQZ-6	MSO-8	MSO-8L

CERAMO® HCR SCISSORS | CERAMO® HCR SCISSORS

	 1:1			 1:1		
	ROBUST			ROBUST		
	SLIGHTLY CURVED / LEICHT ABGEBOGEN BLUNT / STUMPF			STRONG CURVED / STARK ABGEBOGEN BLUNT / STUMPF		
	VALVE / Klappe					
TOTAL LENGTH GESAMTLÄNGE	280 MM	350 MM	400 MM	280 MM	350 MM	400 MM
SHAFT DIAMETER SCHAFTDURCHMESSER	Ø 4.5 MM					
ART. NUMBER	MSP-2K	MSP-2	MSP-2L	MSP-3K	MSP-3	MSP-3L



CERAMO® HCR SCISSORS | CERAMO® HCR SCISSORS

	 1:1			 1:1		 1:1	
	DISSECTION PRÄPARATION			MICRO DISSECTION MIKRO PRÄPARATION			
TOTAL LENGTH GESAMTLÄNGE	280 MM	350 MM	430 MM	280 MM	350 MM	280 MM	350 MM
SHAFT DIAMETER SCHAFTDURCHMESSER	Ø 5.0 MM			Ø 3.4 MM		Ø 3.5 MM	Ø 3.4 MM
ART. NUMBER	MRQ-0	MRA-6	MRD-6	MSP-1D	MRC-6D	MRC-6	MSP-1

	 1:1 45°	 1:1 125°	 1:1 45°	 1:1 90°	 1:1 45°	 1:1 45°			
	VASCULAR / GEFÄSS								
	TOTAL LENGTH GESAMTLÄNGE			280 MM	335 MM	345 MM	400 MM		
	SHAFT DIAMETER SCHAFTDURCHMESSER			Ø 3.5 MM				Ø 5.0 MM	
ART. NUMBER			MRC-7	MRC-8	MRM-0	MRA-9	MRA-8B	MRA-8	MRA-8L



CERAMO® HCR SCISSORS |
CERAMO® HCR SCISSORS

						
	25°	45°	60°	VASCULAR / GEFÄSS		
TOTAL LENGTH GESAMTLÄNGE	290 MM	320 MM	290 MM	320 MM	290 MM	320 MM
SHAFT DIAMETER SCHAFTDURCHMESSER	Ø 3.0 MM					
ART. NUMBER	TOZ-0	TOZ-0L	TOZ-1	TOZ-1L	TOZ-2	TOZ-2L

				
	90°	120°	VASCULAR / GEFÄSS	
TOTAL LENGTH GESAMTLÄNGE	290 MM	320 MM	290 MM	320 MM
SHAFT DIAMETER SCHAFTDURCHMESSER	Ø 3.0 MM			
ART. NUMBER	TOZ-3	TOZ-3L	TOZ-4	TOZ-4L



					
	25°	45°	60°	90°	120°
	VASCULAR AND DELICATE / GEFÄSS UND FEIN				
TOTAL LENGTH GESAMTLÄNGE	290 MM				
SHAFT DIAMETER SCHAFTDURCHMESSER	Ø 3.0 MM				
ART. NUMBER	TPA-1	TPA-2	TPA-3	TPA-4	TPA-5



CERAMO® MICS NON-TRAUMATIC GRASPING FORCEPS |
CERAMO® MICS ATRAUMATISCHE ORGANFASSZANGE

2x3 teeth / Zähne

 1:1 5 x 30 MM	TOTAL LENGTH GESAMTLÄNGE	370 MM		
	SHAFT DIAMETER SCHAFTDURCHMESSER	Ø 5.0 MM		
	ART. NUMBER	MRL-8	MRL-8L *	

* With lock / Mit Sperre

CERAMO® HCR KNOT PUSHER |
CERAMO® HCR KNOTENSCHIEBER

 1:1 25°	TOTAL LENGTH GESAMTLÄNGE	280 MM	340 MM	400 MM	280 MM	340 MM
	SHAFT DIAMETER SCHAFTDURCHMESSER	Ø 5.0 MM			Ø 3.0 MM	
	ART. NUMBER	MRQ-2	MRB-6 MRB-6B *	MRB-6L	MSQ-2	MSQ-1

 1:1 70°	TOTAL LENGTH GESAMTLÄNGE	280 MM	350 MM	400 MM
	SHAFT DIAMETER SCHAFTDURCHMESSER	Ø 3.4 MM		
	ART. NUMBER	MQY-5K	MQY-5	MQY-5L

* With lock / Mit Sperre



HCR CLIP APPLIER |
HCR CLIPANLEGEZANGE

 1:1	TOTAL LENGTH GESAMTLÄNGE	370 MM		365 MM	375 MM
	SIZE GRÖSSE	SMALL	MEDIUM		
	SHAFT DIAMETER SCHAFTDURCHMESSER	Ø 5.0 MM			
	ART. NUMBER	MRG-3T	MRG-4T	MRG-4 *	MRG-4C *

* With CERAMO® / Mit CERAMO®



CERAMO® HCR NERVE HOOK |
CERAMO® HCR NERVHAKEN

	TOTAL LENGTH GESAMTLÄNGE	280 MM	340 MM
	SHAFT DIAMETER SCHAFTDURCHMESSER	Ø 4.5 MM	
	ART. NUMBER	MRQ-1	MRB-4



2:3

CERAMO® MICS KNOT PUSHER |
CERAMO® MICS KNOTENSCHIEBER

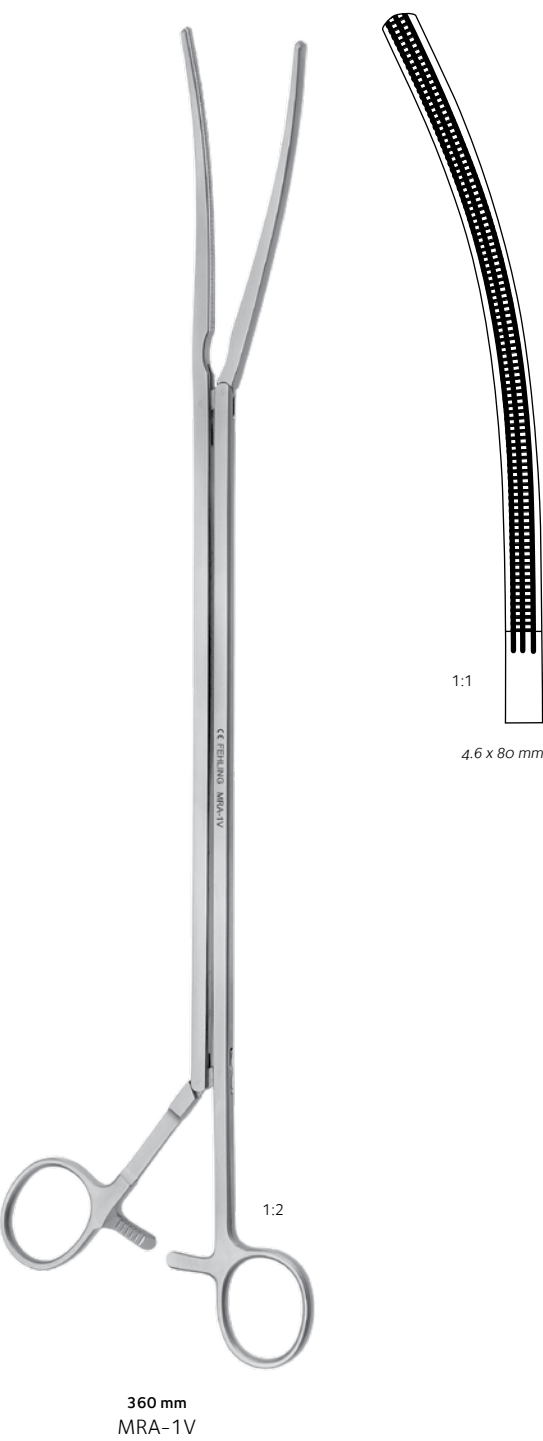
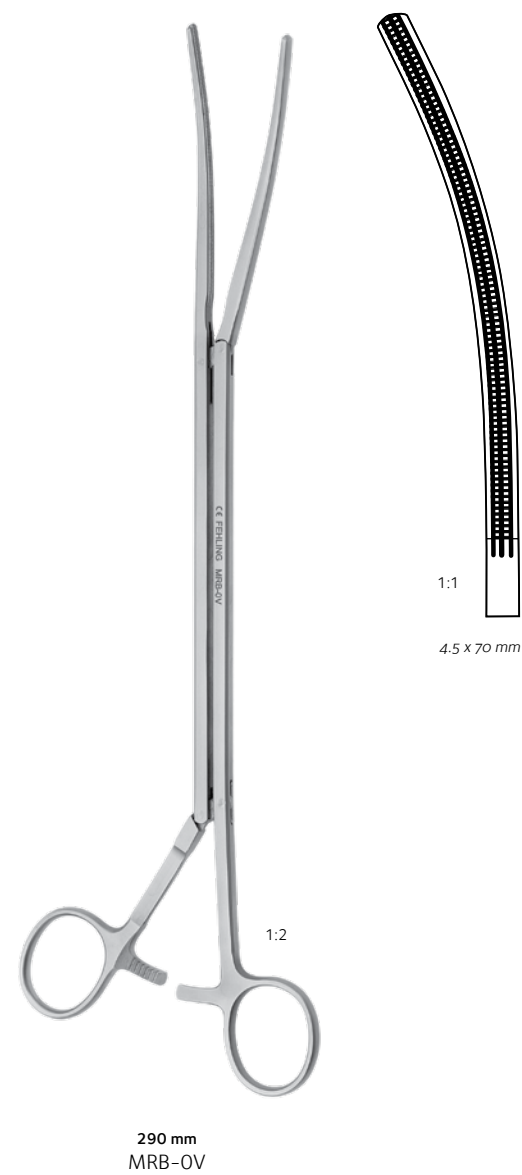
	TOTAL LENGTH GESAMTLÄNGE	280 MM	340 MM
	SHAFT DIAMETER SCHAFTDURCHMESSER	Ø 5.0 MM	
	ART. NUMBER	MRK-9K	MRK-9P



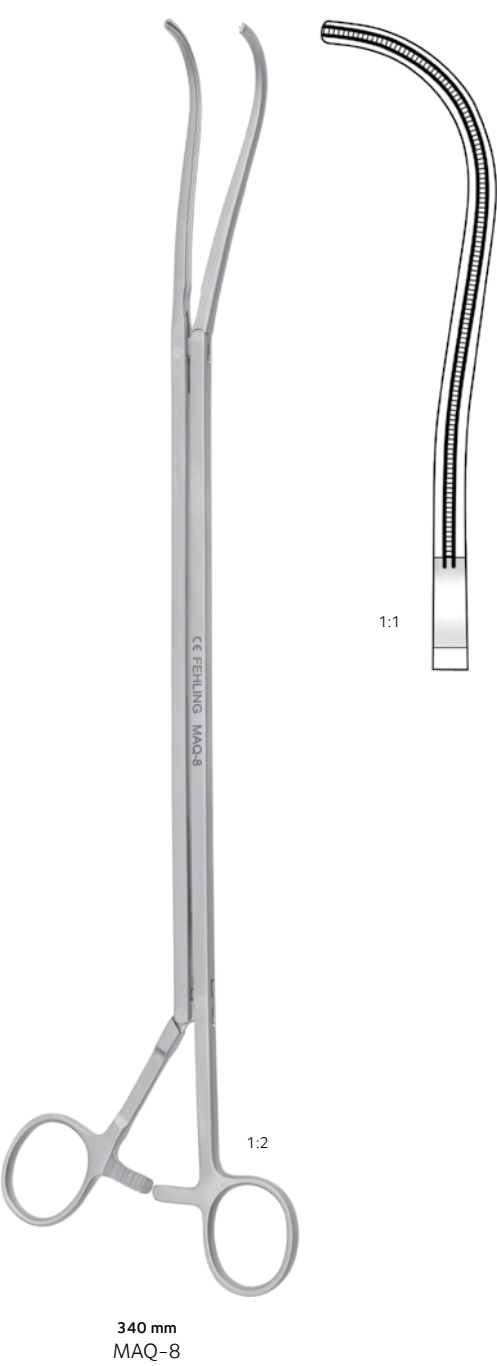
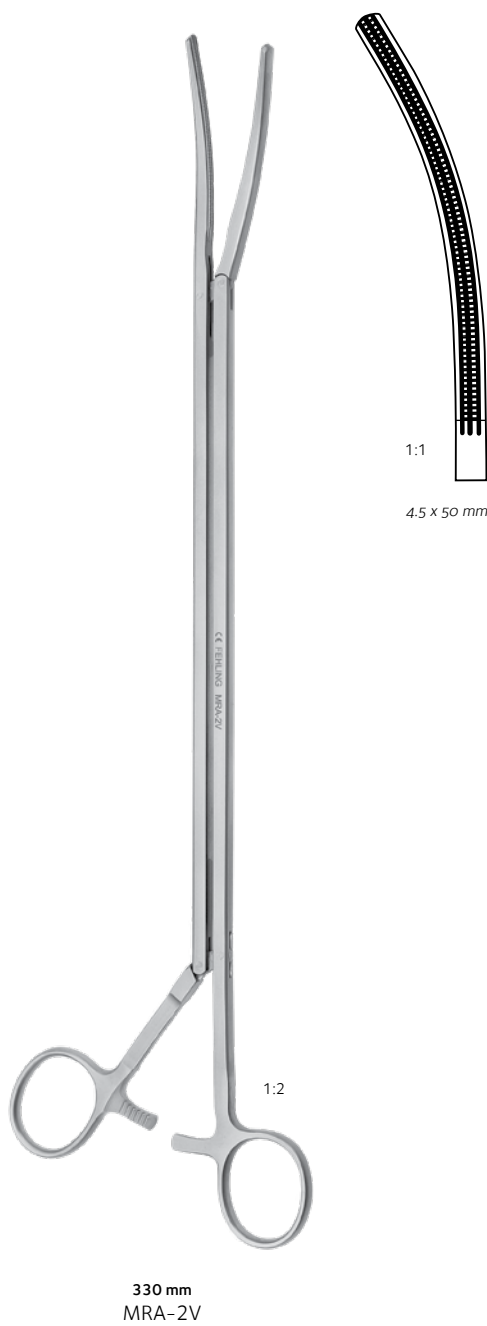
2:3

Storage and sterilization container for
HCR MICS Instruments *see page 83*
Aufbewahrungs- und
Sterilisationsbehälter *siehe Seite 83*

NON-TRAUMATIC FORCEPS |
ATRAUMATISCHE KLEMMEN



NON-TRAUMATIC FORCEPS |
ATRAUMATISCHE KLEMMEN



SATINSKY NON-TRAUMATIC FORCEPS |
SATINSKY ATRAUMATISCHE KLEMMEN

MBF-0

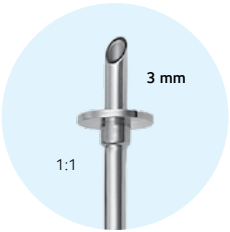
350 mm



CARDIOPLEGIA CANNULA |
KARDIOPLEGIEKANÜLE

MRL-0

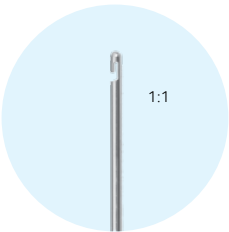
270 mm



SUTURE HOOK |
FADENFÄNGER

KCC-0

350 mm



CERAMO® HANDLE FOR KCC-0 |
CERAMO® GRIFF FÜR KCC-0

ABB-1

110 mm



1:1

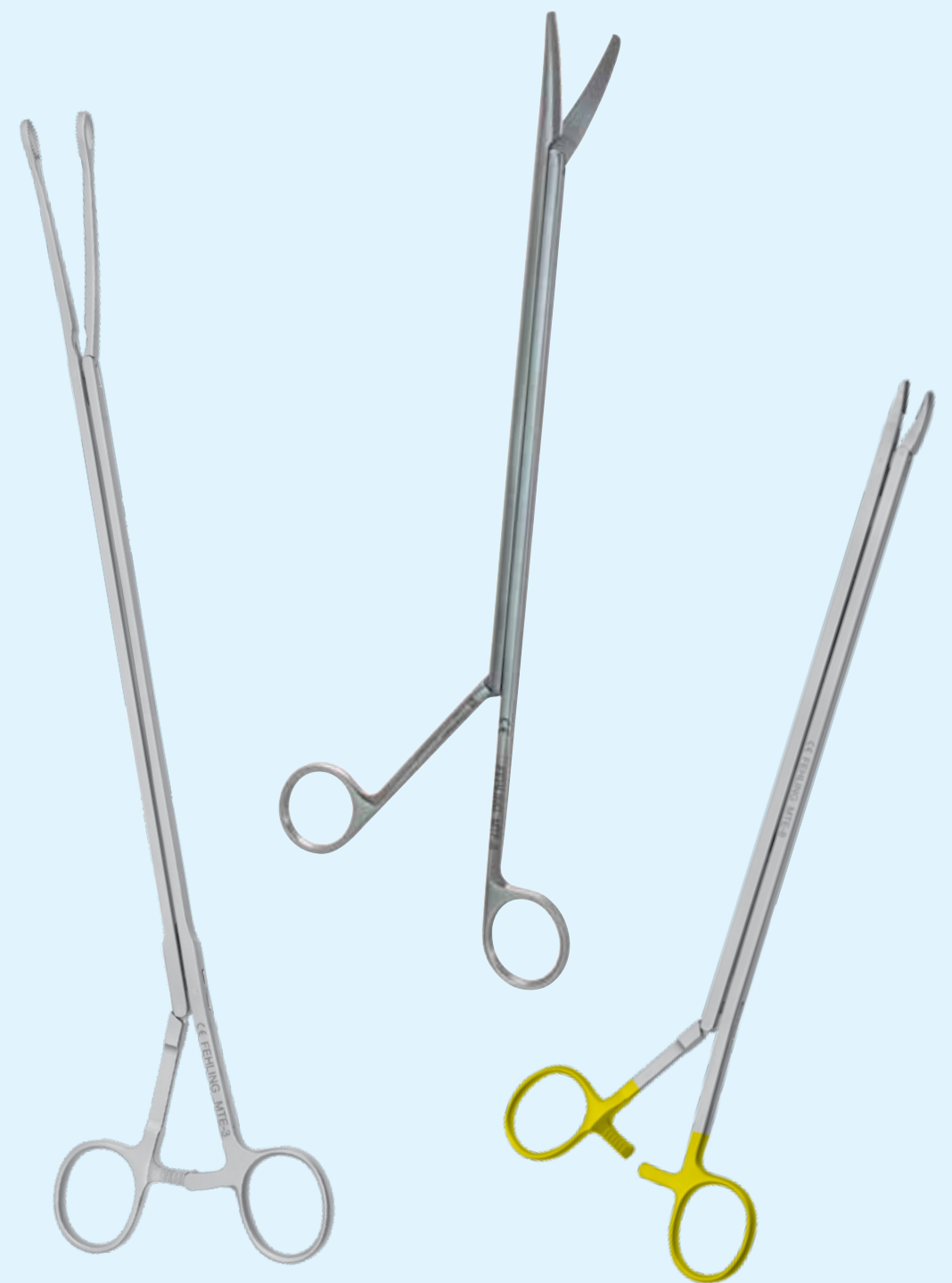
VIDEO-ASSISTED THORACIC SURGERY

VIDEOASSISTIERTE THORAKOSKOPISCHE CHIRURGIE

228 Scissors | Scheren

230 Needleholders | Nadelhalter

231 Clamps | Klemmen



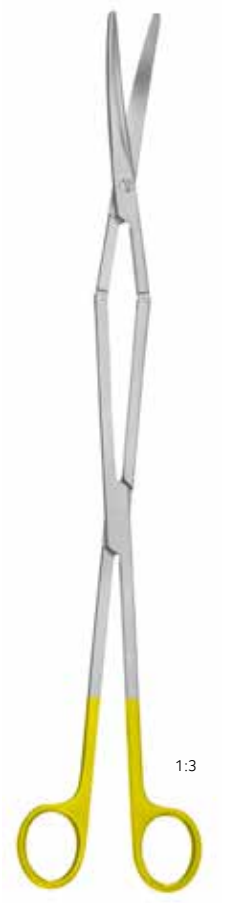
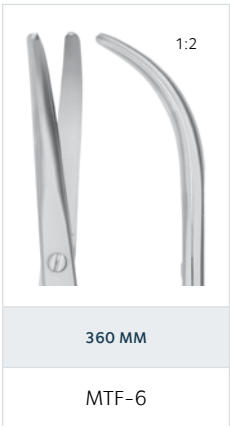
MITHOS SCISSORS I
MITHOS SCHEREN

Closed/open
Geschl./offen
10 mm/12 mm



MITHOS SCISSORS DOUBLE ACTION I
MITHOS SCHEREN
BEIDSEITIG ÖFFNEND

Closed/open (max.)
Geschl./offen (max.)
11 mm/30 mm



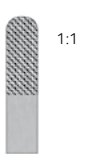
MITHOS SCISSORS I
MITHOS SCHEREN

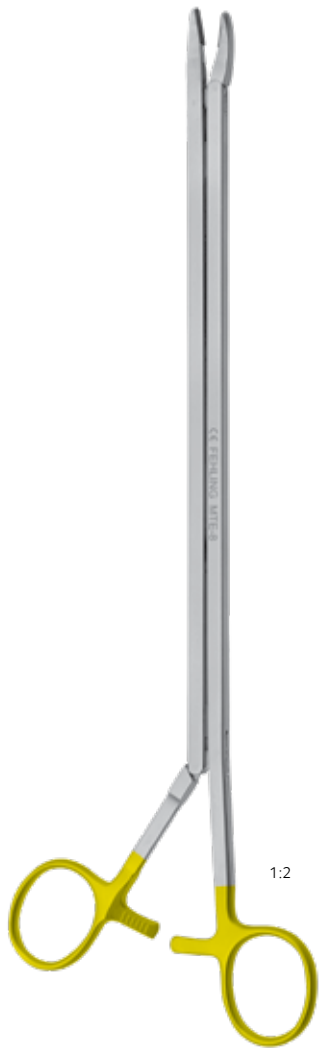
Blunt, curved, shaft 10 mm
Gebogen, stumpf, Schaft 10 mm



MITHOS TC NEEDLEHOLDERS |
MITHOS TC NADELHALTER

Closed/open
Geschl./offen
10 mm/12 mm

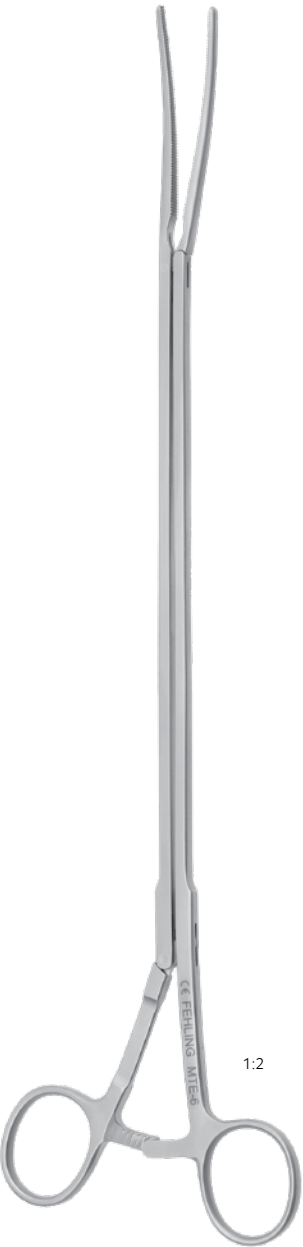
 3 MM 1:1	 4 MM 1:1	 4 MM 1:1
285 MM		340 MM
MTE-9	MTE-8	MTF-5



MITHOS DISSECTING CLAMP |
MITHOS DISSEKTIONSKLEMME

Closed/open
Geschl./offen
7 mm/8 mm

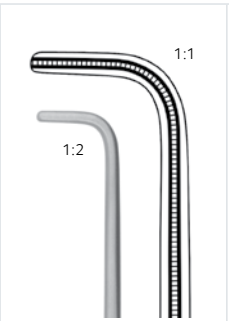
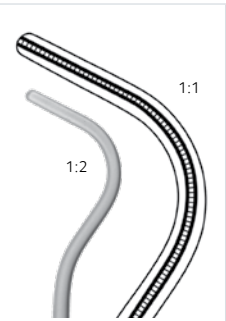
 1:1 1:2	330 MM
MTE-6	

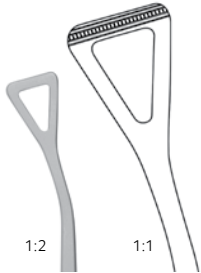
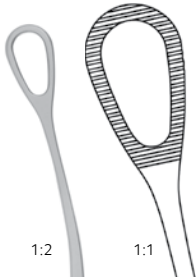
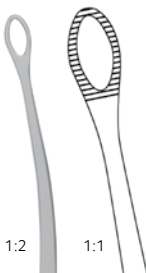


MITHOS CLAMPS |
MITHOS KLEMMEN

Closed/open
Geschl./offen
10 mm/12 mm



	
NON-TRAUMATIC ATRAUMATISCH	
330 MM	350 MM
WITHOUT LOCK OHNE SPERRE	
MTE-7	MTF-3

 1:2 1:1 14 MM	 1:2 1:1 20 MM	 1:2 1:1 12 MM
GRASPING FORCEPS FASSZANGE	LUNG GRASPING FORCEPS LUNGENFASSZANGE	
340 MM	350 MM	
WITH LOCK MIT SPERRE		
MTE-1	MTE-2	MTE-3 *

* Closed 7 mm/open 8 mm
* Geschl. 7 mm/offen 8 mm

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