

# FEHLING INSTRUMENTS

PART OF STILLE GROUP



Neuro

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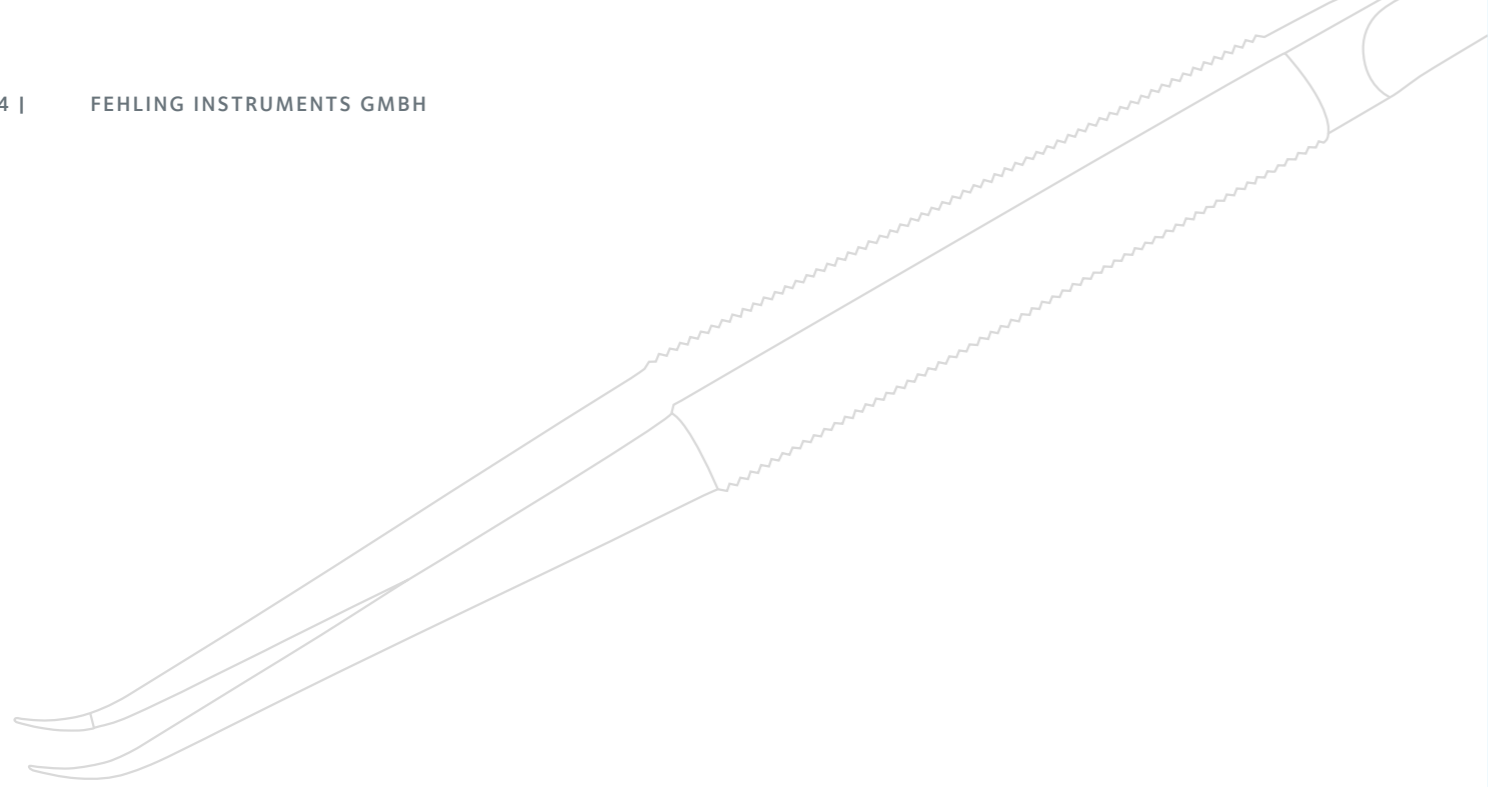
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**FEHLING INSTRUMENTS GmbH**  
**Neuro**

Art. no: ZYE-ON; 05/26  
Photos: Art acta werbeagentur  
Printing: Druckerei Hohl

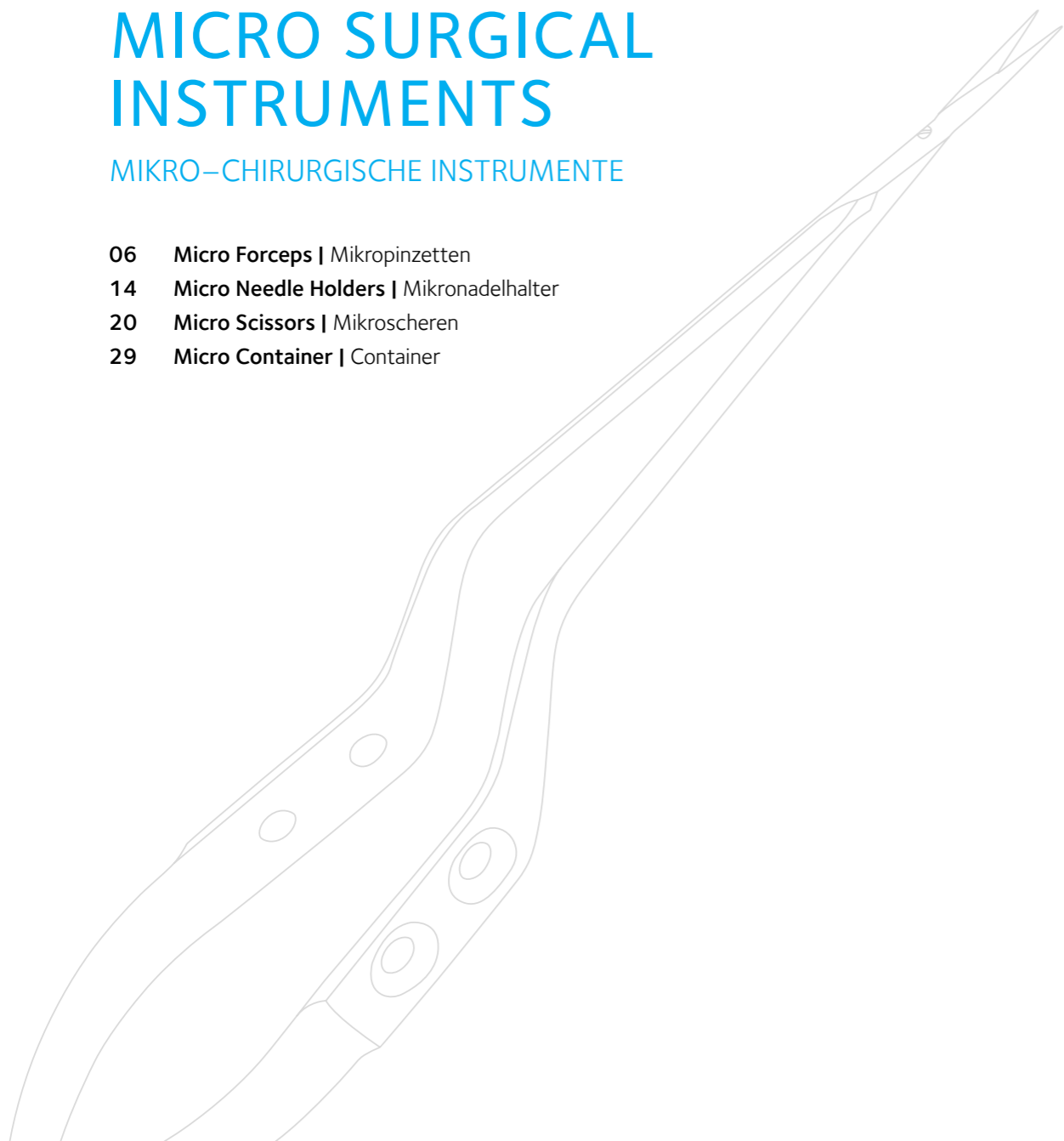
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# MICRO SURGICAL INSTRUMENTS

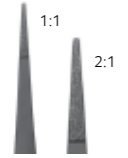

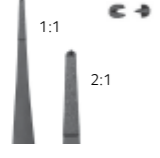
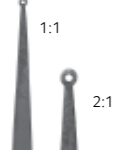
MIKRO-CHIRURGISCHE INSTRUMENTE

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- 20 **Micro Scissors** | Mikroscheren
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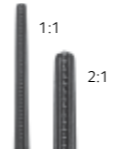


Titanium Titan

CERAMO® RONDO MICRO FORCEPS | CERAMO® RONDO MIKROPINZETTEN

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



1:1

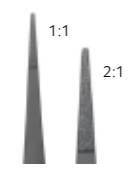
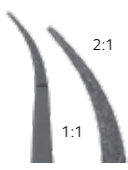
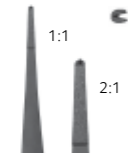

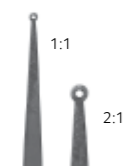
	JAW WIDTH MAUL BREITE	TOTAL LENGTH / GESAMTLÄNGE				
		150 mm	180 mm	210 mm	230 mm	250 mm
 <p>TCM</p>	1.0 mm			COX-7		
	1.2 mm	COD-0	COD-1	COD-2	COD-3	COF-0
 <p>NON-TRAUMATIC ATRAUMATISCH</p>	1.5 mm		COE-5	COD-9	COE-7	
	1.8 mm		COE-9			
 <p>NON-TRAUMATIC ATRAUMATISCH</p>	1.2 mm		COC-6	COD-8		
	1.0 mm		COS-0			
 <p>BOULLITO VALVE KLAPPE</p>	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
 <p>TCM</p>	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				
 <p>TCM</p>	0.15 mm	COV-5T				
	0.3 mm	COV-1T	COV-3T			
	0.5 mm	COE-1T	COE-2T	COE-3T	COE-4T	
 <p>TCM 1 x 2 TEETH/ZÄHNE</p>	0.35 mm	COS-1T	COS-2T	COS-3T	COS-4T	
	0.7 mm	COX-1T	COX-2T	COX-3T	COX-4T	
 <p>TCM 1 x 2 TEETH/ZÄHNE</p>	0.7 mm		COX-5T			
 <p>TCM</p>	1.0 mm	COB-7T	COB-1T	COB-3T	COB-5T	COB-9T
	2.0 mm	COB-8T	COB-2T	COB-4T	COB-6T	


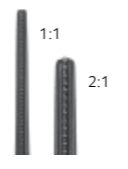
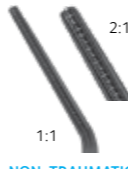



1:1

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
 <p>TCM</p>	1.0 mm		COA-7T	COX-7T		
	1.2 mm			COH-9T		
	2.0 mm		COA-8T	COX-8T		
 <p>NON-TRAUMATIC ATRAUMATISCH</p>	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		
 <p>NON-TRAUMATIC ATRAUMATISCH</p>	1.2 mm		COC-6T	COD-8T		
	1.0 mm		COS-0T			
 <p>BOULITO VALVE KLASPE</p>	1.0 mm		COS-7T	COS-8T	COR-0T	
	1.5 mm					

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

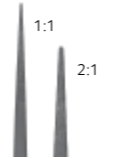
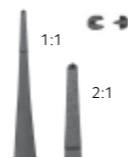

**TCM** stands for **Tungsten Carbide Melt**. This is an additional layer applied to the surface of an instrument, which has a fine, rough surface structure.

**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-S MICRO FORCEPS |**  
CERAMO® PLANO-S MIKROPINZETTEN

	JAW WIDTH MAUL BREITE	TOTAL LENGTH / GESAMTLÄNGE		
		200 mm	225 mm	240 mm
 MICRO ROUGH MIKORAU	0.4 mm	COT-1		COT-2
	0.9 mm	COT-3	COT-8	COT-4
 1 x 2 TEETH 1 x 2 ZÄHNE	1.0 mm	COT-5	COT-9	
	1.0 mm		CPA-1	
			COU-0	CZE-1
 NON-TRAUMATIC ATRAUMATISCH	1.2 mm		COM-5	



1:1

**CERAMO® PLANO-S TUMOR AND TISSUE GRASPING FORCEPS | CERAMO® PLANO-S TUMOR- UND GEWEBEFASSPINZETTEN**

	JAW Ø MAUL Ø	TOTAL LENGTH / GESAMTLÄNGE	
		220 mm	240 mm
 2:1 SPOONSHAPED LÖFFELFÖRMIG	2.0 mm	COG-0	
 1:1 SERRATED, FLAT GEZAHNT, FLACH	5.0 mm		CON-8



**CERAMO® MICRO FORCEPS BY ORTLER | CERAMO® MIKROPINZETTEN NACH ORTLER**

LENGTH LÄNGE	JAW WIDTH / MAULBREITE	
	0.4 mm	0.7 mm
240 mm	CBI-2	CBI-1
260 mm	CBI-4	CBI-3










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CERAMO® RONDO MICRO NEEDLE HOLDERS | CERAMO® RONDO MIKRONADELHALTER

Grasping surface: TCM  
Greifflächen: TCM






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-4H	KOU-5 KOU-5T	KOU-3
 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® PLANO MICRO NEEDLE HOLDERS |**  
**CERAMO® PLANO MIKRONADELHALTER**

Grasping surface: TCM  
 Greifflächen: TCM

		TOTAL LENGTH / GESAMTLÄNGE			
		150 mm	180 mm	210 mm	230 mm
 1:1 1.0 mm Max. 7x0	WITH LOCK MIT SPERRE	KOC-3	KOC-4	KOC-7 KOM-3	KOC-5
			KOZ-2	KOZ-3	KOZ-4
 1:1 2.0 mm Max. 5x0	WITH LOCK MIT SPERRE				

Max. Suture size  
 Max. Fadenstärke



1:1

**CERAMO® PLANO-S MICRO NEEDLE HOLDERS |**  
**CERAMO® PLANO-S MIKRONADELHALTER**

Grasping surface: Micro rough  
 Greifflächen: Mikrorau

	TOTAL LENGTH / GESAMTLÄNGE	
	225 mm	240 mm
 1:1 0.4 mm Max. 9x0	KOV-3	KOV-5
 1:1 1.0 mm Max. 7x0	KOM-5	
 1:1 1.0 mm Max. 7x0	KOM-7	KON-5
 1:1 2.0 mm Max. 5x0	KOM-0	
 1:1 2.0 mm Max. 5x0	KRA-0	

All PLANO-S patterns are also available with lock  
 Alle PLANO-S Modelle auch mit Sperre erhältlich

Max. Suture size  
 Max. Fadenstärke






1:1

**CERAMO® RONDO MICRO SCISSORS |**  
 CERAMO® RONDO MIKROSCHEREN







**CERAMO® PLANO MICRO SCISSORS |**  
 CERAMO® PLANO MIKROSCHEREN



		TOTAL LENGTH / GESAMTLÄNGE					
		120 mm	150 mm	180 mm	210 mm	230 mm	250 mm
 1:1 10 mm	Pointed Spitz	BSL-2	BSN-5	BSN-3			BSK-9
	Pointed Spitz	BSL-3	BSN-6	BSN-4			
 1:1 14 mm	Pointed Spitz		BRK-2	BRK-4	BRK-6	BRK-8	
	Serrated Gezahnt		BRL-2				
 1:1 14 mm	Pointed Spitz		BRK-1	BRK-3	BRK-5	BRK-7	
	Serrated Gezahnt		BRL-1				
	Blunt Stumpf			BSI-2	BSI-3		

		TOTAL LENGTH / GESAMTLÄNGE				
		120 mm	150 mm	180 mm	210 mm	230 mm
 1:1 10 mm	Pointed Spitz	BRV-2	BRV-4	BRV-6		
	Blunt Stumpf		BRV-7	BRV-8		
 1:1 10 mm	Pointed Spitz	BRV-1	BRV-3	BRV-5		
	Pointed Spitz		BRC-2	BRC-4	BRC-6	BRC-8
 1:1 14 mm	Serrated Gezahnt			BRE-2		
	Pointed Spitz			BRC-3	BRC-5	
 1:1 14 mm	Serrated Gezahnt			BRE-1		

**CERAMO® PLANO S MICRO SCISSORS |**  
 CERAMO® PLANO S MIKROSCHEREN

		TOTAL LENGTH / GESAMTLÄNGE				
		165 mm	200 mm	225 mm	240 mm	250 mm
 1:1	Standard	BRF-8	BRD-8	BRD-6		BSN-2
	Strong * Stark *			BRF-4		
 1:1	Standard	BRF-9	BRD-7	BRD-5		
	Strong * Stark *			BRF-5		
 1:1	Full blade blunt Volles blatt stumpf		BSH-2	BSH-4	BSH-6	
 1:1	Full blade blunt Volles blatt stumpf		BSH-1	BSH-3	BSH-5	

\*Serrated blades  
 \*Gezahnte Blätter



1:1


**CERAMO® DELICATE PLANO S MICRO SCISSORS |**  
 CERAMO® SEHR FEIN PLANO S MIKROSCHEREN

		TOTAL LENGTH / GESAMTLÄNGE
		225 mm
 1:1		BRW-1
 1:1		BRW-2




1:1

**CERAMO® DELICATE MICRO SCISSORS |**  
**CERAMO® SEHR FEIN MIKROSCHEREN**

		TOTAL LENGTH / GESAMTLÄNGE				
		165 mm	185 mm	200 mm	225 mm	240 mm
 1:1	Pointed Spitz	BSA-0	BRZ-3	BRZ-5	BRZ-7	BRZ-9
 1:1	Pointed Spitz	BRZ-0	BRZ-2	BRZ-4	BRZ-6	BRZ-8
 1:1	Half-pointed Halbspitz	BSA-8				
 1:1	Half-pointed Halbspitz	BSA-9	BRZ-1	BSZ-4		



**CERAMO® VANNAS PLANO-S MICRO SCISSORS |**  
**CERAMO® VANNAS PLANO-S MIKROSCHEREN**

		TOTAL LENGTH / GESAMTLÄNGE	
		200 mm	225 mm
 1:1		BSG-4	BSG-2
 1:1		BSG-3	BSG-1

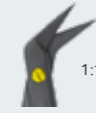




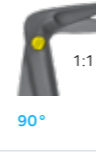




**CERAMO® RONDO VASCULAR SCISSORS |**  
 CERAMO® RONDO GEFÄSS-SCHEREN

		TOTAL LENGTH / GESAMTLÄNGE	 1:1 7 MM	 1:1 10 MM
 1:1 25°	Pointed Spitz	180 mm	BSP-1	BSM-1
		210 mm		BSI-5
		250 mm		BSL-4
	Ballpointed Mit Knopf	180 mm		BSD-1
 1:1 45°	Pointed Spitz	180 mm	BSP-2	BSM-2
		210 mm		BSI-6
		250 mm		BSL-6
	Ballpointed Mit Knopf	180 mm		BSD-2
 1:1 60°	Pointed Spitz	180 mm	BSP-3	BSM-3
		210 mm		BSI-7
	Ballpointed Mit Knopf	180 mm		BSD-3
 1:1 90°	Pointed Spitz	170 mm	BSP-4	BSM-4
		210 mm		BSI-8
	Ballpointed Mit Knopf	170 mm		BSD-4
 1:1 125°	Pointed Spitz	170 mm	BSP-5	BSM-5
		210 mm		BSI-9
		250 mm		BSL-9
 1:1 140°	Pointed Spitz	250 mm		BSL-0




**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	BSM-8	BSK-3
		250 mm		BSN-0
 1:1 90°	Pointed Spitz	170 mm	BSM-0	BSK-4
 1:1 125°	Pointed Spitz	170 mm	BSM-9	BSK-5
		250 mm		BSK-8
 1:1 140°	Pointed Spitz	250 mm		BSL-8



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

100 mm

	 1:1 7 MM	 1:1 10 MM
 1:1 25°		BRA-OL
 1:1 45°	BRA-6	BRA-6L
 1:1 60°	BRA-7	BRA-7L
 1:1 90°	BRA-9	BRA-9L
 1:1 125°	BRA-8	BRA-8L



**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

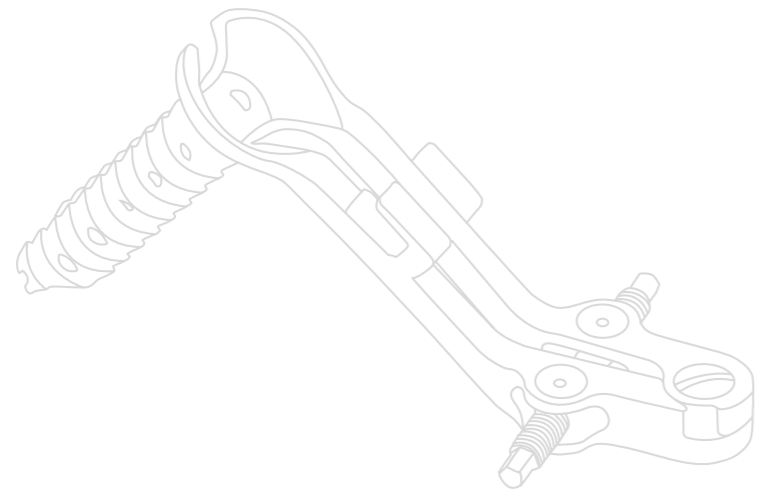


**PLASTIC CONTAINER WITH SILICONE MAT |**  
**KUNSTSTOFFCONTAINER MIT SILIKONMATTEN**

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

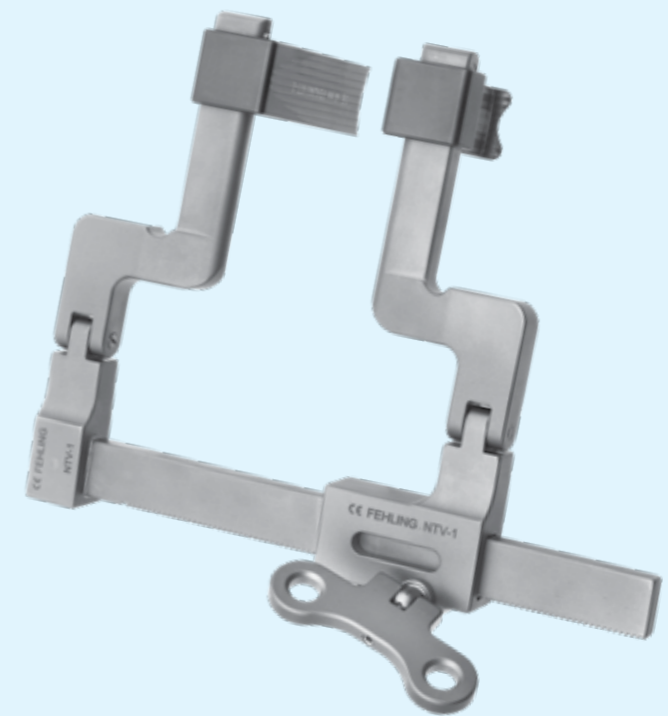
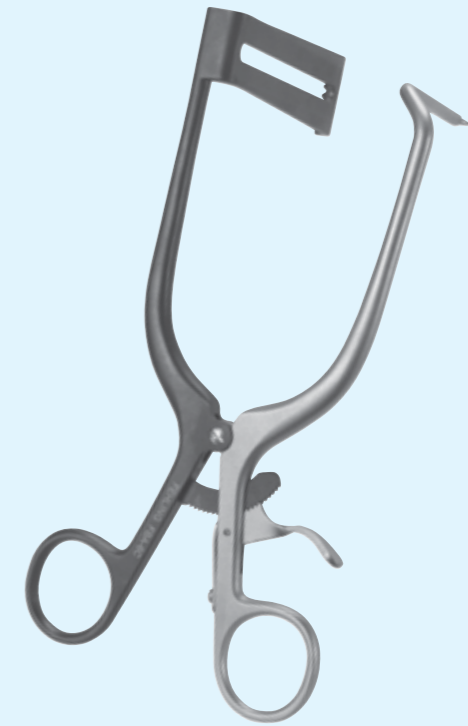
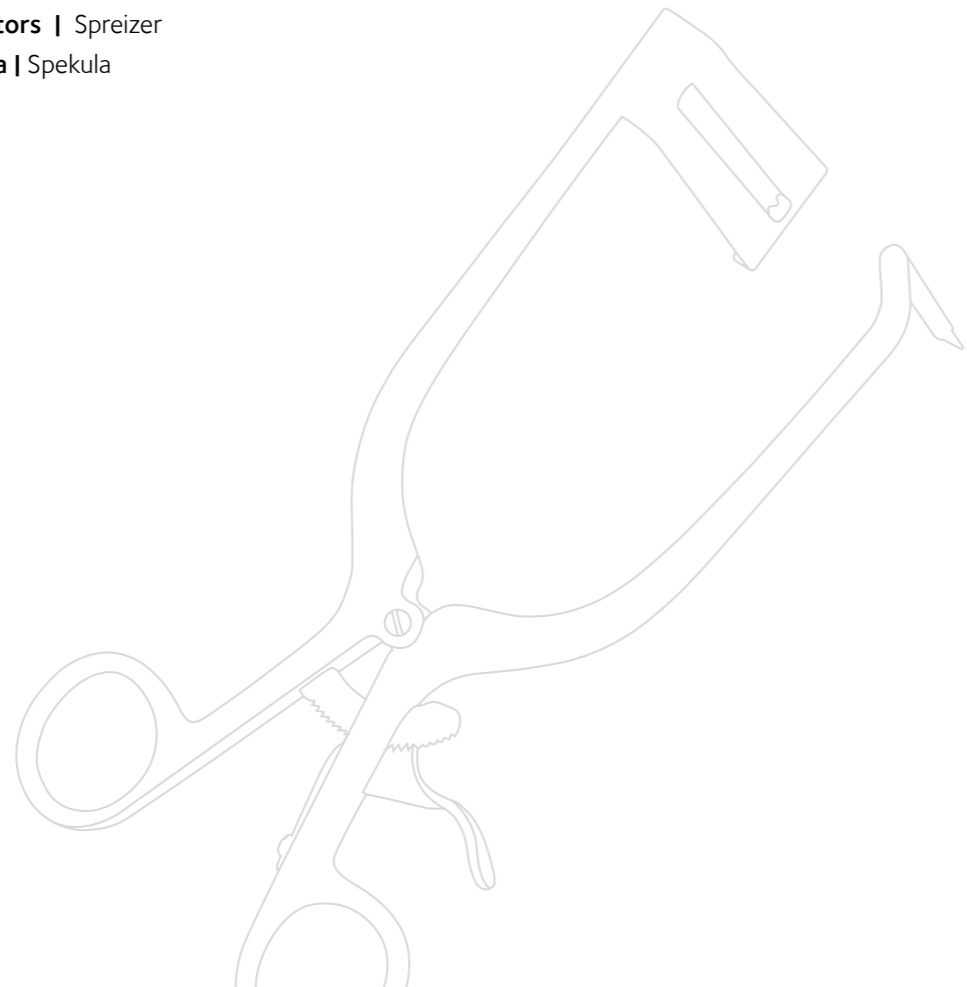




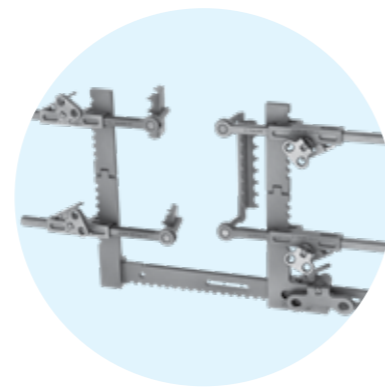
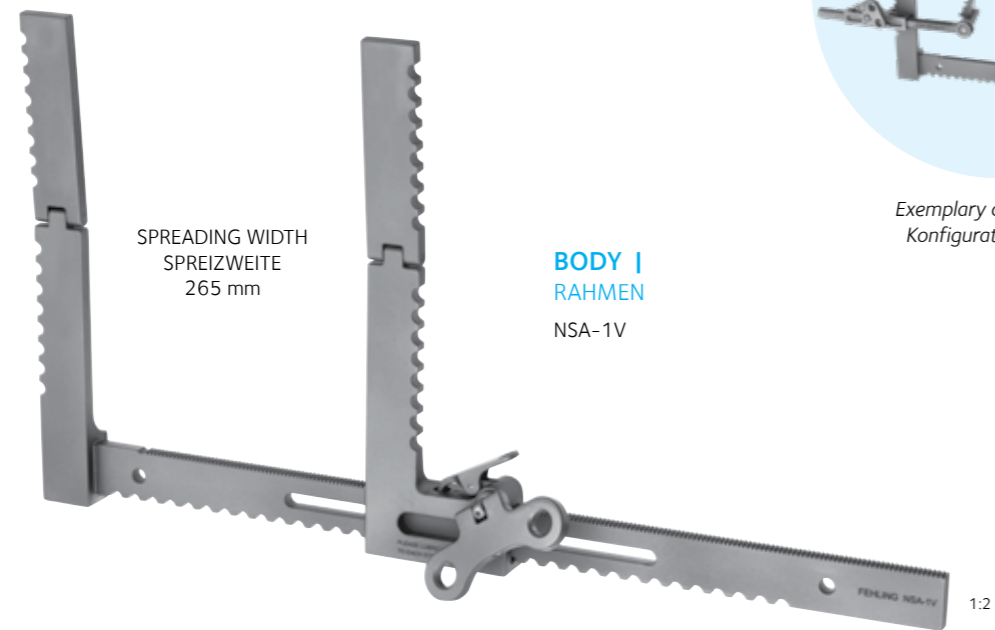
## SPREADING AND RETRACTING INSTRUMENTS

INSTRUMENTE ZUM SPREIZEN UND HALTEN

- 32 Spinal Retractors | Wirbelsäulenspreizer
- 48 Nerve Root Retractors | Nervwurzelhaken
- 50 Retractors | Spreizer
- 53 Specula | Spekula



**POLYTEL TITANIUM**  
POLYTEL TITAN



**COUPLING RYDER |**  
**FIXIERSCHLITTEN**  
NSA-2V



**BLADE GUIDE |**  
**HAKENFÜHRUNG**  
NSA-3V  
140 mm



**BODY JOINT STABILIZER |**  
**RAHMENGelenkstabilisator**  
NSA-5



**BLADE EJECTOR |**  
**BLATTENTFERNER**  
NGM-6  
115 mm



**ATLAS LONGITUDINAL**  
**CERVICAL RETRACTOR | ATLAS**  
**LÄNGSVERSION HWS-SPREIZER**  
NHL-1

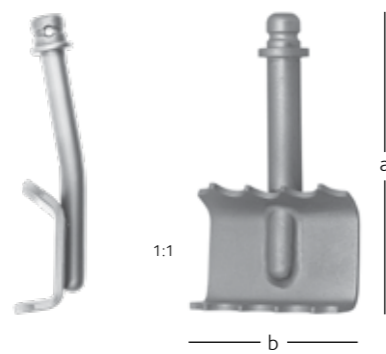


**ATLAS TRANSVERSAL**  
**CERVICAL RETRACTOR | ATLAS**  
**QUERVERSION HWS-SPREIZER**  
NHK-9



**POLYTEL/ATLAS TITANIUM  
PARAFASCIAL BLADES |  
POLYTEL/ATLAS TITAN PARAFASCIAL-BLÄTTER**

DEPTH a TIEFE a	ROTATABLE / DREHBAR	
	b = 25 mm	b = 40 mm
40 mm	NSS-6	NSM-6
60 mm	NSS-7	
80 mm	NSS-8	NSM-8
100 mm	NSS-9	NSM-9
120 mm	NSU-9	



**POLYTEL/ATLAS TITANIUM  
RETRACTING BLADES |  
POLYTEL/ATLAS TITAN HALTEBLÄTTER\***



DEPTH a TIEFE a	WIDTH / BREITE b					
	15 MM		20 MM		24 MM	
	POINTED SCHARF	BLUNT STUMPF	POINTED SCHARF	BLUNT STUMPF	POINTED SCHARF	BLUNT STUMPF
30 mm		NSN-0				
35 mm	NSB-0	NSN-1		NST-0		NSH-0
40 mm		NSN-2	NSP-1	NSY-5		NSH-9
45 mm	NSB-1	NSN-3		NST-1		NSH-1
50 mm		NSN-4	NSP-2	NSY-6	NSM-2	NSQ-8
55 mm	NSB-2	NSN-5		NST-2		NSH-2
60 mm		NSN-6		NSQ-7		NSQ-9
65 mm		NSN-7		NST-3		NSH-3
70 mm		NSN-8				
75 mm				NST-4		NSH-4
85 mm					NSF-5	
105 mm					NSF-7	

\* Auxiliary tool: Blade ejector NGM-6 see page 32  
 \* Hilfsmittel: Blattentferner NGM-6 siehe Seite 32

**POLYTEL/ATLAS TITANIUM  
SPINOUS PINS | POLYTEL/ATLAS  
TITAN WIRBELDORNE**

DEPTH a TIEFE a	ART. NUMBER
30 mm	NSC-9
35 mm	NSC-1
40 mm	NSC-2
45 mm	NSC-3
50 mm	NSC-4
55 mm	NSC-5



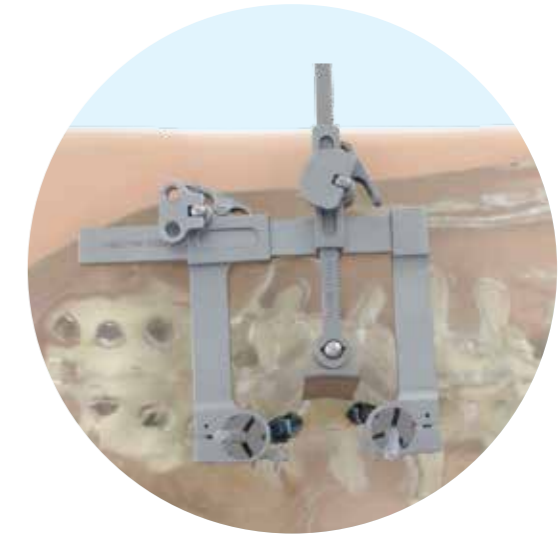
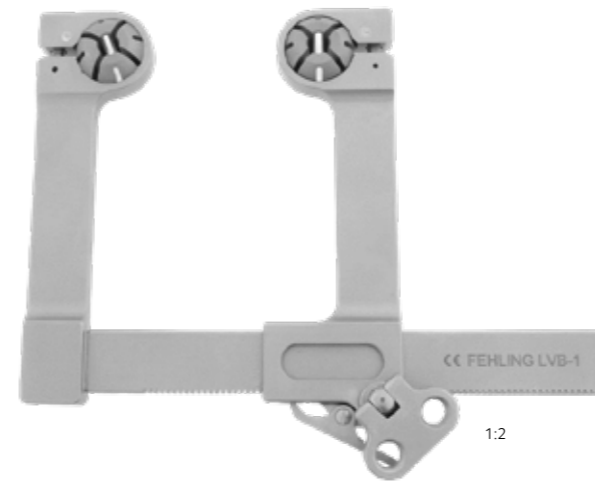
**POLYTEL/ATLAS TITANIUM  
CONIC | POLYTEL/ATLAS  
TITAN KONISCH**

DEPTH a TIEFE a	WIDTH / BREITE b
	15 MM
35 mm	NSG-0
45 mm	NSG-1
55 mm	NSG-2
65 mm	NSG-3
75 mm	NSG-4
95 mm	NSG-6



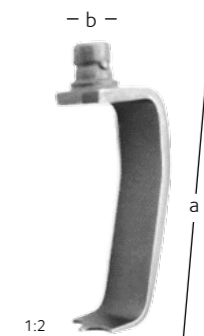
**MI TLIF MULTIFUNCTIONAL RETRACTOR  
MI TLIF MULTIFUNKTIONSSPREIZER**

**BODY ONLY | RAHMEN ALLEIN**  
LVB-1



Exemplary configuration  
Konfigurationsbeispiel

**COUPLING RIDER + BLADE GUIDE |  
FIXIERSCHLITTEN + HAKENFÜHRUNG**  
NWA-1B  
NWA-1C



**TITAN MEDIAL BLADE |  
TITAN MEDIALES BLATT**

DEPTH a TIEFE a	WIDTH b BREITE b
	15 mm
50 mm	LVG-1
65 mm	LVG-2
80 mm	LVG-3
95 mm	LVG-4

**MI TLIF MULTIFUNCTIONAL RETRACTOR**  
MI TLIF MULTIFUNKTIONSSRPEIZER

**MI PARAFASCIAL BLADE |**  
MI PARAFASCIALBLATT

PEDICLE SCREW RETAINER PEDIKELSCHRAUBEN AUFNAHME			
WIDTH a BREITE a	∅	TOTAL LENGTH GESAMTLÄNGE	ART. NUMBER
11 mm	4.75 mm	111 mm	LVG-5
12.5 mm	4.75 mm	111 mm	LVG-5A
11 mm	5.5 mm	111 mm	LVG-5B
12.5 mm	5.5 mm	111 mm	LVG-5C
11 mm	6.5 mm	111 mm	LVG-5D
12.5 mm	6.5 mm	111 mm	LVG-5E
11 mm	4.75 mm	171 mm	LVG-6
12.5 mm	4.75 mm	171 mm	LVG-6A
11 mm	5.5 mm	171 mm	LVG-6B
12.5 mm	5.5 mm	171 mm	LVG-6C
11 mm	6.5 mm	171 mm	LVG-6D
12.5 mm	6.5 mm	171 mm	LVG-6E



The pins attached to the leaves for securing the pedicle screws are available in various sizes in terms of diameter and length.

The pins are available in diameters of 4.75 and 5.5 mm and lengths of 11 and 12.2 mm.

Die an den Blättern angebrachten Zapfen zur Aufnahme der Pedikelschrauben gibt es in unterschiedlichen Ausführungen bzgl. Durchmesser und Länge.

Dabei gibt es Zapfendurchmesser von 4,75 und 5,5mm sowie Zapfenlängen von 11 und 12,2mm.

**MI MICRO BLADE |**  
MI MIKROBLATT

PEDICLE SCREW RETAINER PEDIKELSCHRAUBEN AUFNAHME			
WIDTH a BREITE a	∅	TOTAL LENGTH GESAMTLÄNGE	ART. NUMBER
11 mm	4.75 mm	108 mm	LVG-7
12.5 mm	4.75 mm	108 mm	LVG-7A
11 mm	5.5 mm	108 mm	LVG-7B
12.5 mm	5.5 mm	108 mm	LVG-7C
11 mm	6.5 mm	108 mm	LVG-7D
12.5 mm	6.5 mm	108 mm	LVG-7E
11 mm	4.75 mm	168 mm	LVG-8
12.5 mm	4.75 mm	168 mm	LVG-8A
11 mm	5.5 mm	168 mm	LVG-8B
12.5 mm	5.5 mm	168 mm	LVG-8C
11 mm	6.5 mm	168 mm	LVG-8D
12.5 mm	6.5 mm	168 mm	LVG-8E



**ACCESSORIES**  
ZUBEHÖR

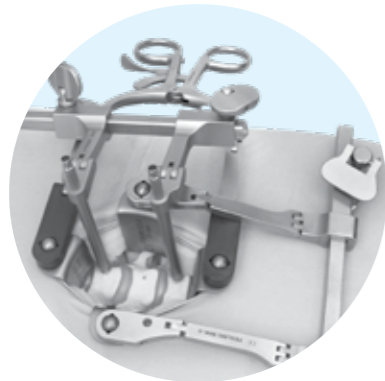
**CARDAN SCREWDRIVER |**  
KARDAN SCHRAUBENDREHER  
LMT-4



**CERAMO HEXAGONAL WRENCH | CERAMO SECHSKANTSCHLÜSSEL**  
NVG-9



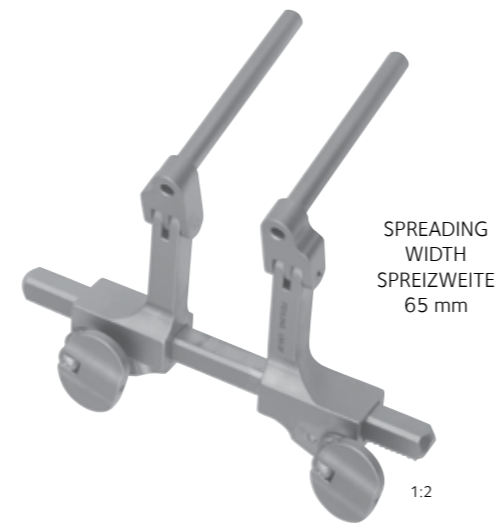
**INTERVERTEBRAL DISTRACTOR SYSTEM**  
 INTERVERTEBRALES SPREIZERSYSTEM



Exemplary configuration  
 Konfigurationsbeispiel

**DISTRACTOR | DISTRAKTOR**

LMI-9F



**SCHUL MICRO DISCECTOMY RETRACTOR |**  
 SCHUL MIKRODISSEKTOMIESPREIZER

BLADE SIZE BLATTGRÖSSE a x b	LEFT LINKS	RIGHT RECHTS
40 x 10 mm	NDM-1	NDM-2
50 x 10 mm	NDM-3	NDM-4
60 x 10 mm	NDM-5	NDM-6
70 x 10 mm	NDM-7	NDM-8
50 x 20 mm	NDP-1	NDP-2
60 x 20 mm	NDP-3	NDP-4
70 x 20 mm	NDP-5	NDP-6

**LOCK NUT FOR PIN |**  
 FIXIERMUTTER FÜR PIN

LMJ-0F



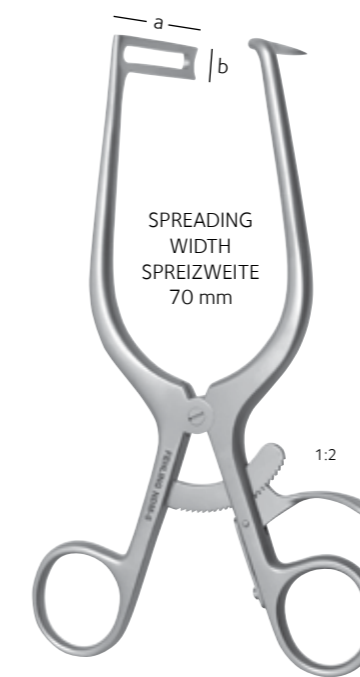
**DISTRACTION PINS |**  
 DISTRAKTIONSPINS

THREAD LENGTH GEWINDELÄNGE	ART. NUMBER
12 mm	LMI-3F
14 mm	LMI-4F
16 mm	LMI-5F
18 mm	LMH-0F

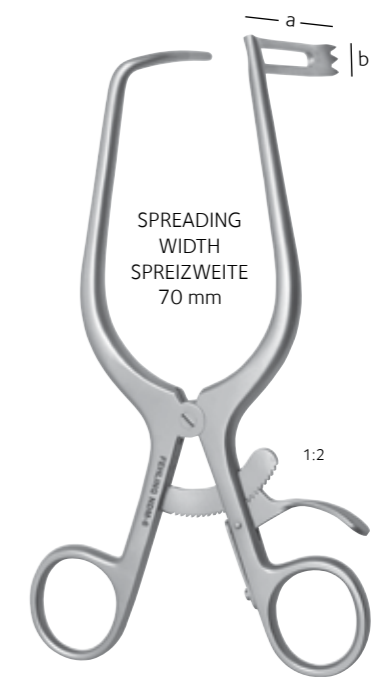


**PIN DRIVER |**  
 PINDREHER

LMI-6F



LEFT TYPE  
 LINKSMODELL  
 170 mm

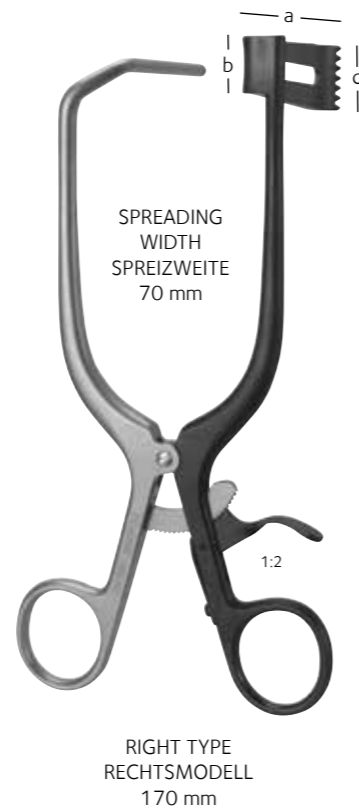
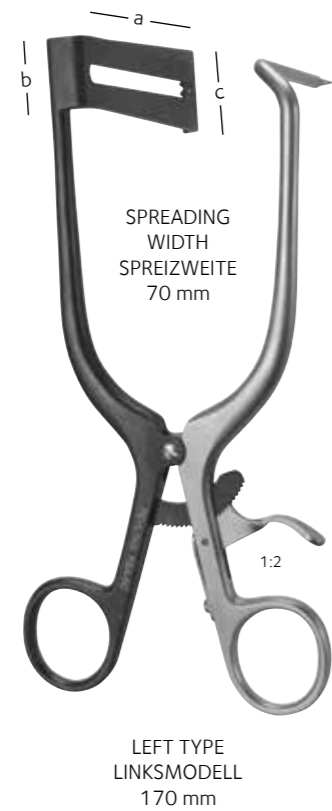


RIGHT TYPE  
 RECHTSMODELL  
 170 mm

**CERAMO® FEIGL MICRO DISCECTOMY RETRACTOR |**  
**CERAMO® FEIGL MIKRODISSEKTOMIESPREIZER**

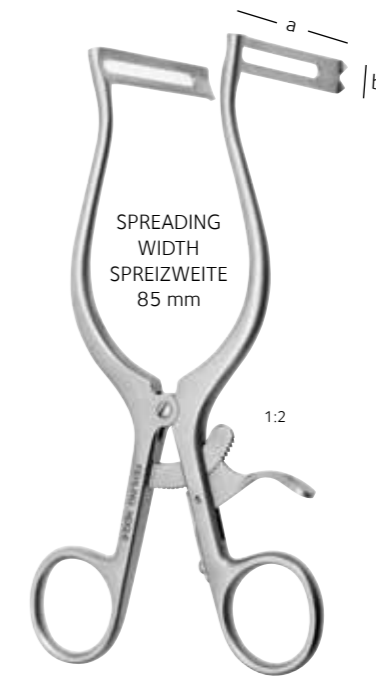
BLADE SIZE BLATTGRÖSSE a x b/c	LEFT TYPE LINKS	RIGHT TYPE RECHTS
50 x 10/15 mm		FBB-2C
60 x 10/15 mm	FBA-3C	
70 x 15/20 mm		FBB-4C
100 x 20/25 mm	FBA-7C	FBB-7C

\* All patterns also available in full CERAMO® coating.  
 \* Alle Modelle auch in kompletter CERAMO®-Beschichtung erhältlich.



**WINKING FOR TRANSMUSCULAR ACCESS |**  
**WINKING FÜR TRANSMUSKULÄREN ZUGANG**

BLADE SIZE BLATTGRÖSSE a x b	170 MM
50 x 10 mm	NDQ-8
60 x 10 mm	NDQ-6



**SPINAL RETRACTORS |**  
**WIRBELSÄULENSPREIZER**



ECO-1  
190 mm  
SPREADING WIDTH  
SPREIZWEITE  
90 mm



ECO-2  
170 mm  
SPREADING WIDTH  
SPREIZWEITE  
85 mm



ECO-3  
150 mm  
SPREADING WIDTH  
SPREIZWEITE  
80 mm

**CERAMO® CONCEPT MICRO DISCECTOMY SPECULUM**  
 CERAMO® CONCEPT MIKRODISSEKTOMIESPEKULUM



Exemplary configuration  
 Konfigurationsbeispiel



**MICRO DISCECTOMY SPECULUM |**  
 MIKRODISSEKTOMIESPEKULUM

DEPTH TIEFE	ART. NUMBER
45 mm	NVH-1V
55 mm	NVH-2V
65 mm	NVH-3V
75 mm	NVH-4V
85 mm	NVH-5V
95 mm	NVH-6V



**COUNTER RETRACTOR |**  
 GEGENSPERRER  
 NVH-9V

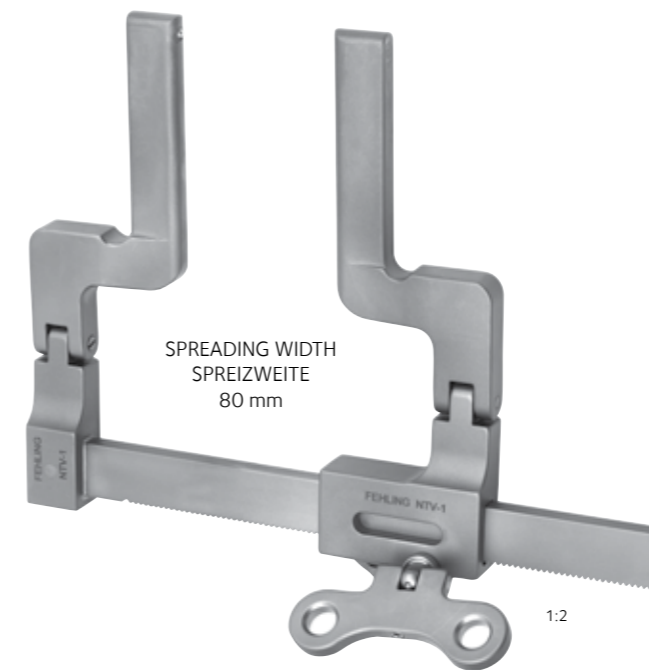
**LATERAL BLADES FOR COUNTER**  
 RETRACTOR\* | LATERAL BLÄTTER  
 FÜR GEGENSPERRER\*

DEPTH a TIEFE a	b = 15 mm
45 mm	NVI-1V
55 mm	NVI-2V
65 mm	NVI-3V
75 mm	NVI-4V
85 mm	NVI-5V
95 mm	NVI-8V



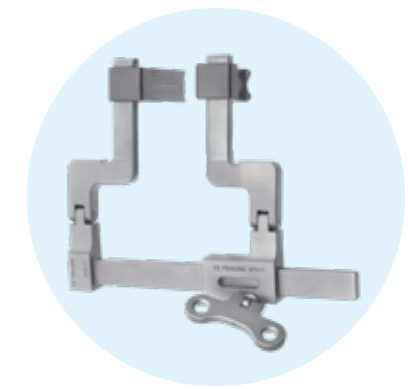
\* Auxiliary tool: Blade ejector  
 NGM-6 see page 32  
 \* Hilfsmittel: Blättentferner  
 NGM-6 siehe Seite 32

**DOERNER TITANIUM**  
 DOERNER TITAN



**CERAMO® BLADES (PAIR) |**  
 CERAMO® BLÄTTER (PAAR)

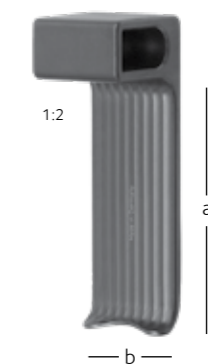
DEPTH TIEFE a	WIDTH / BREITE b	
	20 MM	30 MM
40 mm	NTT-0	NTT-6
50 mm	NTT-1	NTT-7
60 mm	NTT-2	NTT-8
70 mm	NTT-3	NTT-9
80 mm	NTT-4	NTU-0
100 mm	NTT-5	NTU-1
120 mm	NTU-3	NTU-2



Exemplary configuration  
 Konfigurationsbeispiel

**BODY | RAHMEN**

FOR SEGMENTS FÜR SEGMENTE	ART. NUMBER
1-2	NTV-1
1-4	NTV-0



**DOERNER TITANIUM**  
DOERNER TITAN

**CERAMO® SPINOUS PINS |**  
CERAMO® WIRBELDORNE

DEPTH a TIEFE a	ART. NUMBER
20 mm	NTR-9
30 mm	NTS-0
40 mm	NTS-1
50 mm	NTS-2
60 mm	NTS-4
70 mm	NTS-6
80 mm	NTS-8



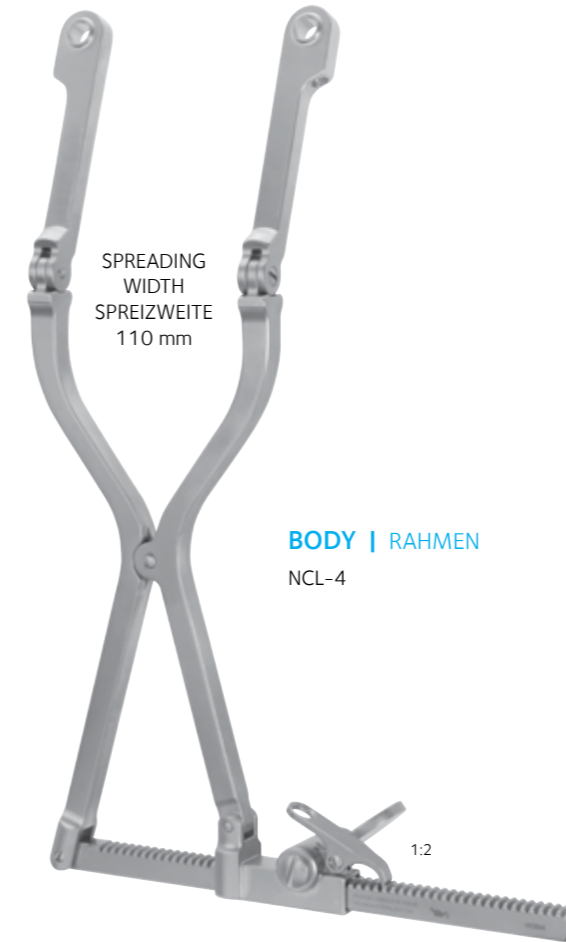
2:3

DEPTH a TIEFE a	ART. NUMBER
30 mm	NTV-2
40 mm	NTV-3
50 mm	NTS-3
60 mm	NTS-5
70 mm	NTS-7
80 mm	NTS-9



2:3

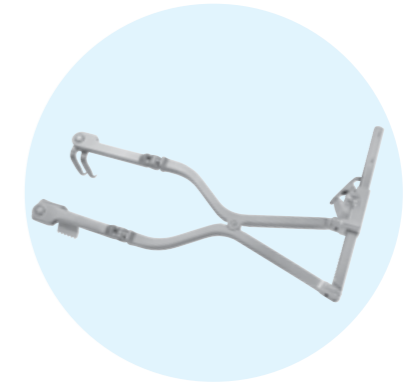
**HEY DISCECTOMY RETRACTOR**  
HEY DISKEKTOMIESPREIZER



SPREADING  
WIDTH  
SPREIZWEITE  
110 mm

**BODY | RAHMEN**  
NCL-4

1:2



*Exemplary configuration  
Konfigurationsbeispiel*

**BLADES, POINTED\* |**  
BLÄTTER, SCHARF\*

DEPTH a TIEFE a	b = 20 mm
60 mm	NCL-6
70 mm	NCL-7



1:2

\* Auxiliary tool: Blade ejector NGM-6 see page 32  
\* Hilfsmittel: Blattentferner NGM-6 siehe Seite 32

Ceramo®

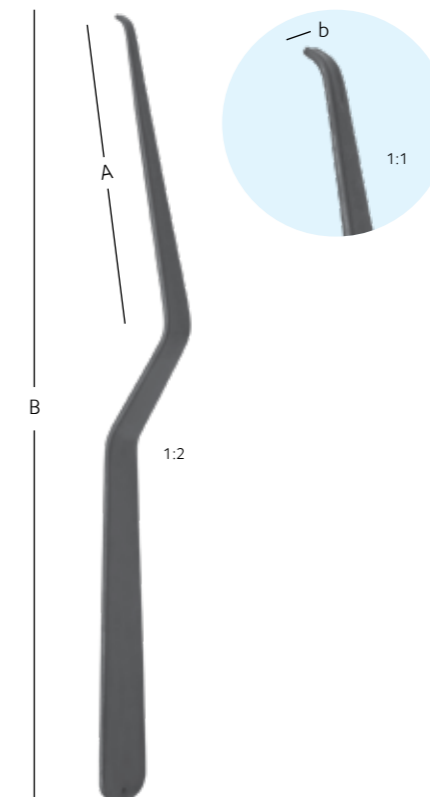
**LOVE (MODIF.) NERVE ROOT RETRACTOR |**  
 LOVE (MODIF.) NERVWURZELHAKEN

WIDTH BREITE	DEPTH / TIEFE a			
	65 MM	100 MM	120 MM	160 MM
3 mm		NDW-2	NEH-1	NEH-0
5 mm	NDH-3	NDW-3	NEH-2	NEH-4
7 mm			NEH-3	
			NOV-9	



**LOVE CERAMO® NERVE ROOT RETRACTOR |**  
 LOVE CERAMO® NERVWURZELHAKEN

WIDTH b BREITE b	LENGTH / LÄNGE A/B	
	210 MM	160/290 MM
3 mm	NDH-1	
5 mm	NDH-0	NDJ-0
7 mm	NDI-1	
9 mm	NDI-2	



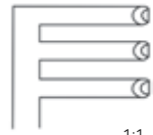
**GELPI RETRACTOR |**  
GELPI SPREIZER

ECD-4  
180 mm



**DIETZ RETRACTORS |** DIETZ SPREIZER

3x3 Teeth / Zähne  
Semi-sharp / Halbscharf

LENGTH LÄNGE	ART. NUMBER	
160 mm	ECP-5H	1:1





**CONCEPT CEREBELLAR  
RETRACTOR BODY |** CONCEPT  
CEREBELLUM SPREIZER RAHMEN

NDN-4  
190 mm

**CONCEPT CEREBELLAR RETRACTOR  
FLEXIBLE ARM WITH SPATULA ADAPTER |**  
CONCEPT CEREBELLUM SPREIZER SPANNARM MIT  
SPATELHALTER

SEGMENTS GLIEDER	LENGTH LÄNGE	ART. NUMBER
8	145 mm	NDN-6
11	175 mm	NDN-9
15	215 mm	NDO-0



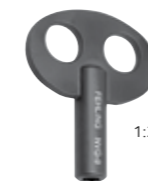
**CERAMO® TRANSNASAL SPECULUM |**  
CERAMO® TRANSNASALES SPECULUM

SIZE GRÖSSE	ART. NUMBER
70 x 12 mm	NVG-1V
90 x 12 mm	NVG-3V
100 x 12 mm	NVG-4V



**CERAMO® HEXAGONAL WRENCH  
FOR SPECULUM |** CERAMO®  
SECHSKANTSCHLÜSSEL FÜR SPEKULUM

NVG-9



# SCISSORS

## SCHEREN

- 56 **Dissecting Scissors** | Präparierscheren
- 65 **Vascular Scissors** | Gefäß-Scheren
- 67 **Surgical Scissors** | Chirurgische Scheren
- 71 **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



**TOENNIS DISSECTING SCISSORS |**  
TOENNIS PRÄPARIERSCHEREN

LENGTH LÄNGE	CURVED GEBOGEN
	CERAMO TC
180 mm	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

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



**MAYO-STILLE DISSECTING SCISSORS |**  
MAYO-STILLE PRÄPARIERSCHEREN

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



**METZENBAUM STANDARD DISSECTING SCISSORS |**  
METZENBAUM STANDARD PRÄPARIERSCHEREN

	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

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



**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



**METZENBAUM FINO DISSECTING SCISSORS |**  
**METZENBAUM FINO PRÄPARIERSCHEREN**


S-shape handle  
 S-Form Griff

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




**CERAMO® THOREK DISSECTING SCISSORS |**  
**CERAMO® THOREK PRÄPARIERSCHEREN**

S-shape handle  
 S-Form Griff

 1:1	LENGTH LÄNGE	CURVED GEBOGEN
	230 mm	BOV-5W
	280 mm	BOV-6W



**LEXER FINO DISSECTING SCISSORS |**  
LEXER FINO PRÄPARIERSCHEREN

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




**DELICATE POINTED DISSECTING SCISSORS |**  
FEIN SPITZ PRÄPARIERSCHEREN

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



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

	CURVED GEBOGEN
	BON-1
LENGTH LÄNGE	115 mm



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

	CURVED GEBOGEN
	BOT-3
LENGTH LÄNGE	125 mm
	150 mm



**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
 1:1 45°	190 mm	BOP-2	
	230 mm	BOP-5	
 1:1 60°	185 mm	BOP-3	BCJ-6
	225 mm	BOP-6	








**DE BAKEY VASCULAR SCISSORS |**  
 DE BAKEY GEFÄSS-SCHEREN

	LENGTH LÄNGE	CERAMO TC
 1:1 45°	190 mm	BOM-5
	230 mm	BOM-8
 1:1 60°	185 mm	BOM-6



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

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



**STANDARD SURGICAL SCISSORS |**  
**STANDARD CHIRURGISCHE SCHEREN**

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



**DOYEN SURGICAL SCISSORS |**  
**DOYEN CHIRURGISCHE SCHEREN**

LENGTH LÄNGE	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

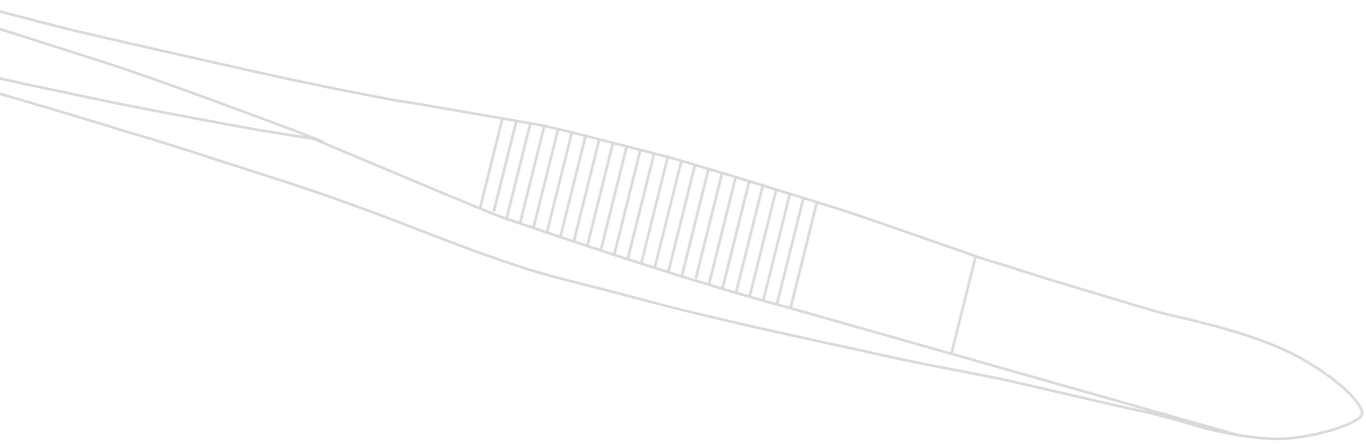


**CERAMO® PARAMETRIUM SCISSORS |**  
**CERAMO® PARAMETRIUM SCHEREN**



LENGTH LÄNGE	CURVED GEBOGEN
215 mm	BOW-9

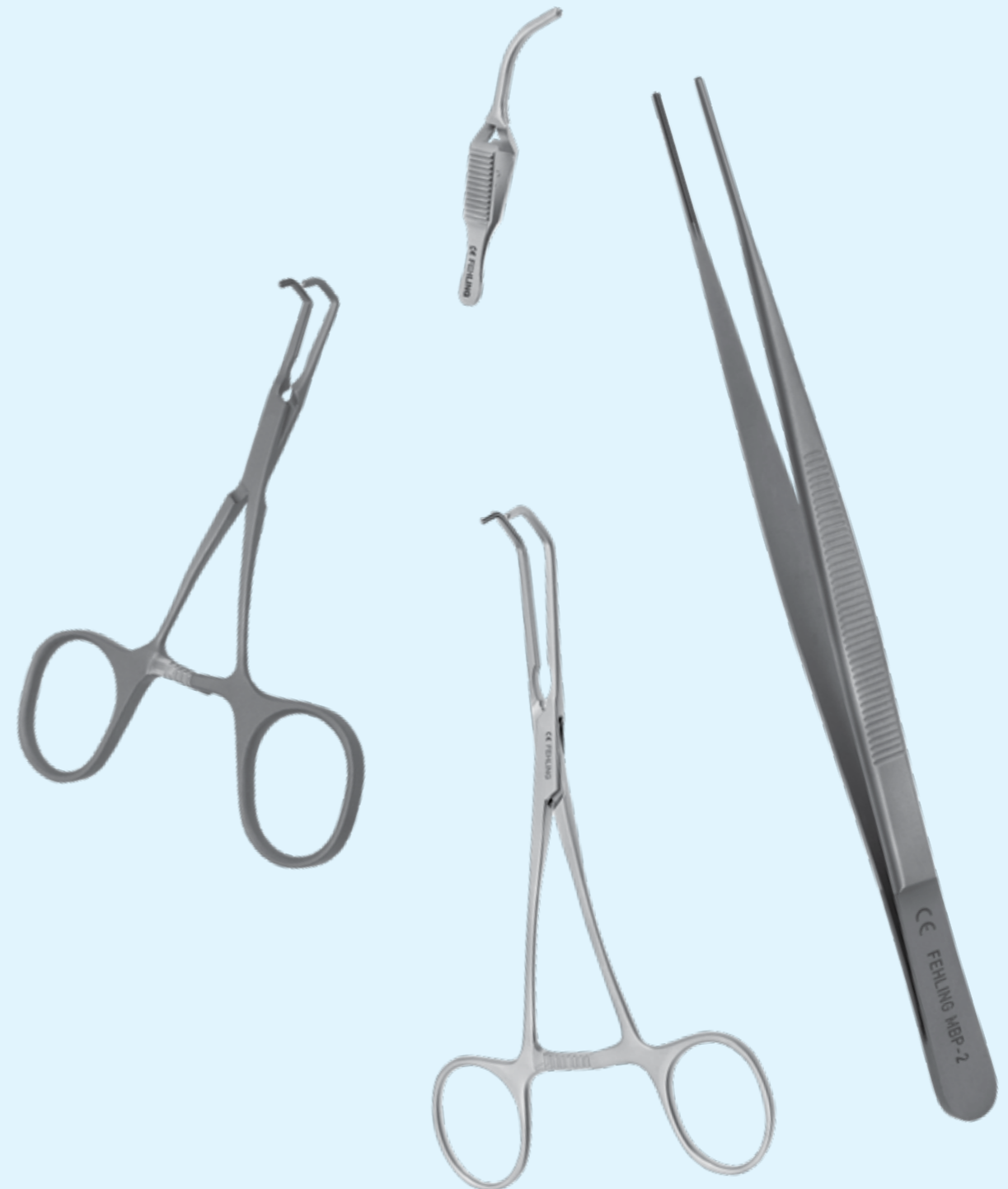
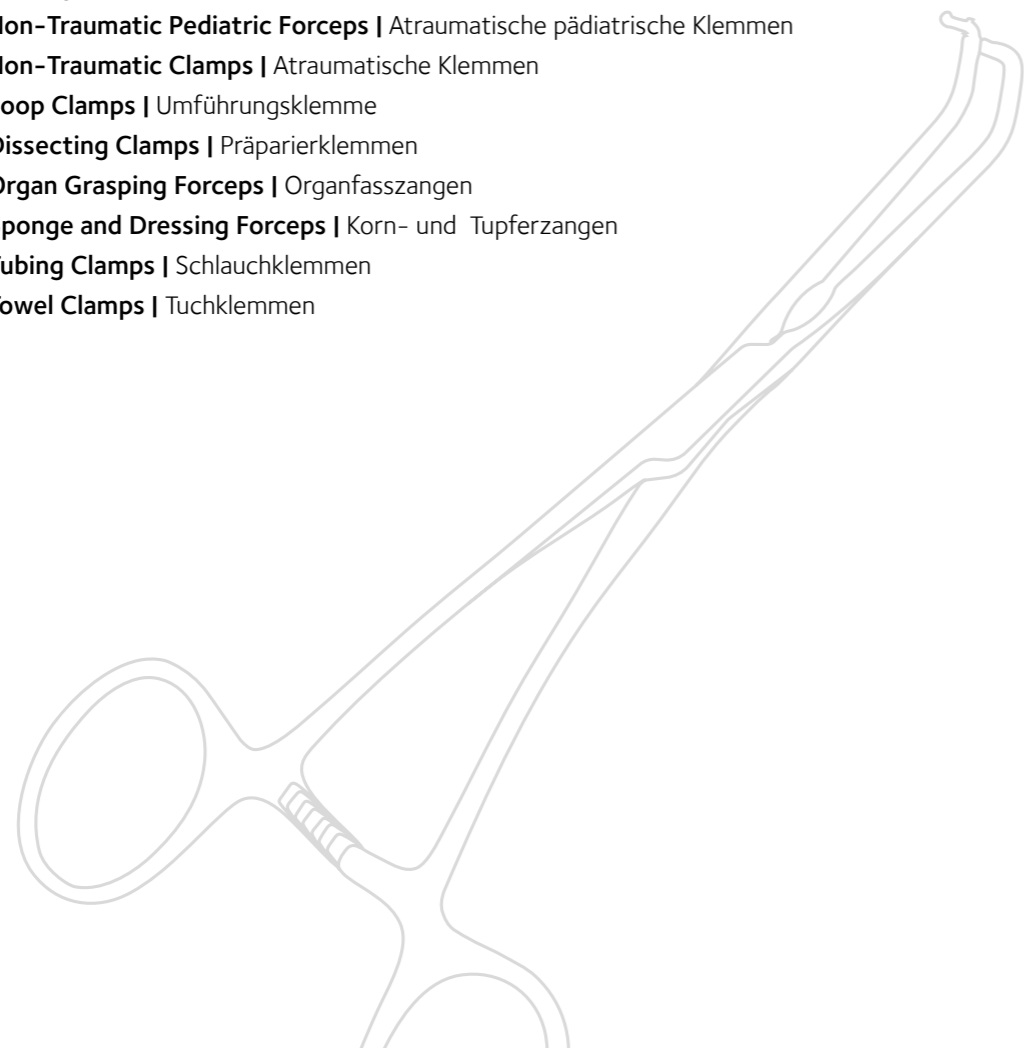




## FORCEPS, CLAMPS AND CLIPS

PINZETTEN, KLEMMEN UND CLIPS

- 72 **Non-Traumatic Forceps** | Atraumatische Pinzetten
- 77 **Dissecting Forceps** | Anatomische Pinzetten
- 80 **Tissue Forceps** | Chirurgische Pinzetten
- 82 **Chordae Clip** | Chordae Clip
- 83 **Bulldog Clamps** | Bulldogklemmen
- 92 **Non-Traumatic Pediatric Forceps** | Atraumatische pädiatrische Klemmen
- 102 **Non-Traumatic Clamps** | Atraumatische Klemmen
- 115 **Loop Clamps** | Umführungsklemme
- 116 **Dissecting Clamps** | Präparierklemmen
- 126 **Organ Grasping Forceps** | Organfasszangen
- 128 **Sponge and Dressing Forceps** | Korn- und Tupferzangen
- 129 **Tubing Clamps** | Schlauchklemmen
- 130 **Towel Clamps** | Tuchklemmen



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

						
	1.5 mm	2.0 mm	STRAIGHT GERADE	STEPPE GESTUFT	STRAIGHT GERADE	STEPPE GESTUFT
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



2:3

**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°)



2:3

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

				
	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



1:2



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**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	



**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	



**JEWELLER FORCEPS |**  
UHRMACHERPINZETTEN

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



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



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

**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	



**STANDARD DISSECTING FORCEPS |**  
STANDARD ANATOMISCHE PINZETTEN

CERAMO®	 1:1
160 mm	COR-4



1:1

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

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



2:3

**MICRO ADSON DISSECTING FORCEPS |**  
MIKRO ADSON ANATOMISCHE PINZETTEN

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



2:3

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

1x2 teeth  
 1x2 Zähne

120 mm	COW-4



2:3

**STANDARD TISSUE FORCEPS |**  
**STANDARD CHIRURGISCHE PINZETTEN**

1x2 teeth  
 1x2 Zähne

145 mm	CAL-8



2:3



**RUSSIAN PATTERN TISSUE FORCEPS |**  
**RUSSISCHES MODELL CHIRURGISCHE PINZETTEN**

Uncoated  
 Unbeschichtet

200 mm	CAU-4
250 mm	CAU-5

2:3



2:3

**TISSUE FORCEPS DELICATE |**  
**CHIRURGISCHE PINZETTEN SCHLANK**

1x2 teeth  
 1x2 Zähne

160 mm	CAP-3

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

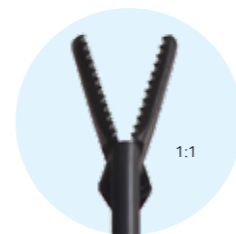
TOTAL LENGTH GESAMTLÄNGE	JAW LENGTH MAULLÄNGE	ART. NUMBER
24 mm	9 mm	MIC-2



**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
--------	-------



**BULLDOG CLAMPS |**  
 BULLDOCKKLEMMEN



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%

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BULLDOG CLAMPS |  
BULLDOCKLEMMEN



					
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 |  
BULLDOCKLEMMEN

				
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 BULLDOGKLEMMEN

35 mm

 1:1	 1:1
STRAIGHT GERADE	CURVED GEBOGEN
MAZ-7	MAZ-9



**WELDON BULLDOG CLAMPS |**  
WELDON BULLDOGKLEMMEN

45 mm

 1:1
CURVED GEBOGEN
MBA-1



**TCM IMA BULLDOG CLAMPS |**  
TCM IMA BULLDOGKLEMMEN

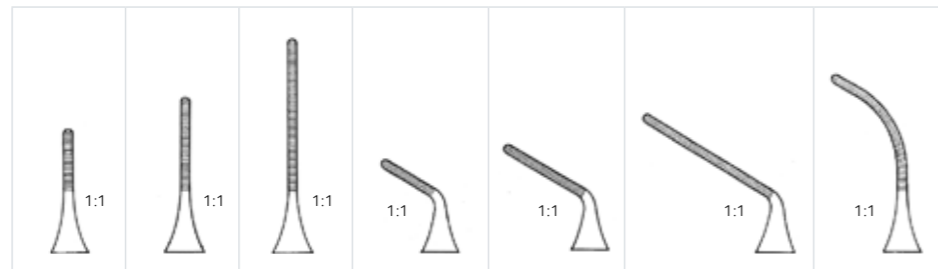
55 mm

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



**DIETRICH BULLDOG CLAMPS |**  
DIETRICH BULLDOGKLEMMEN

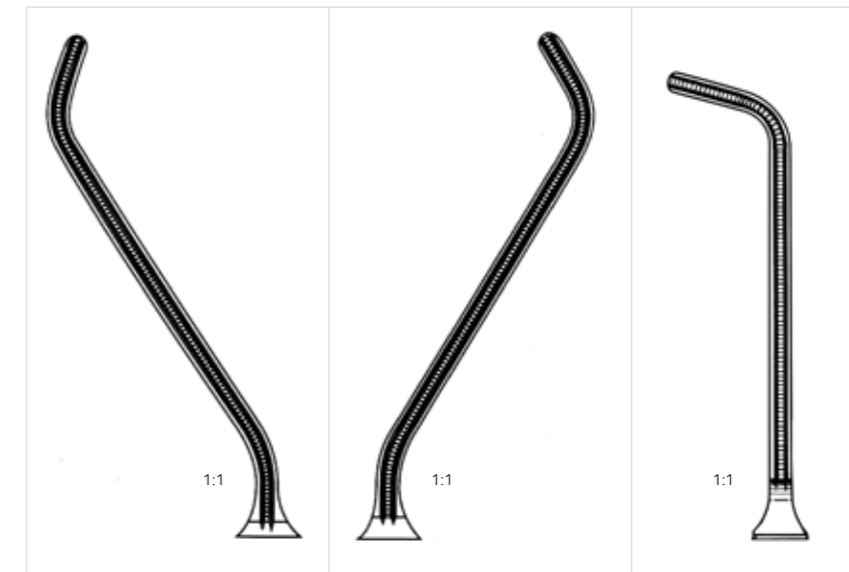
55 mm



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 BULLDOCKLEMMEN**

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 BULLDOCKLEMMEN**

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					

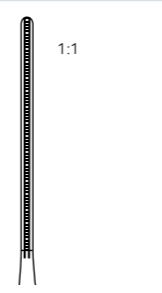
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DE BAKEY NON-TRAUMATIC PEDIATRIC CLAMPS | DE BAKEY ATRAUMATISCHE PÄDIATRISCHE KLEMMEN

			
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




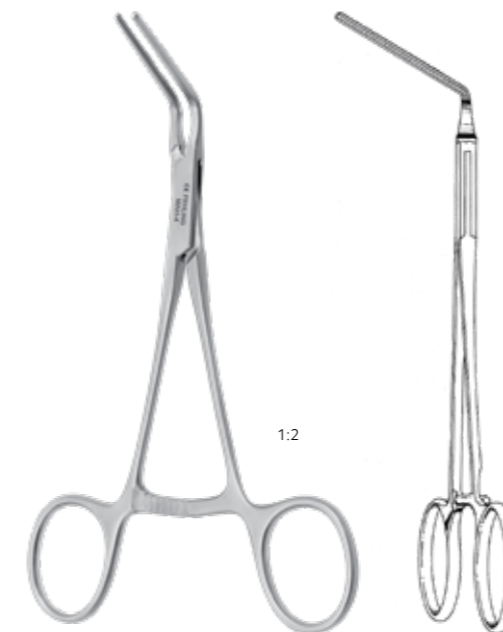
SEBENING NON-TRAUMATIC PEDIATRIC CLAMPS | SEBENING ATRAUMATISCHE PÄDIATRISCHE KLEMMEN

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



NON-TRAUMATIC PEDIATRIC CLAMPS | ATRAUMATISCHE PÄDIATRISCHE KLEMMEN

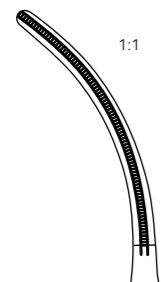
	1:1	
125 MM	145 MM	165 MM
MAC-4	MAE-9	MAH-4



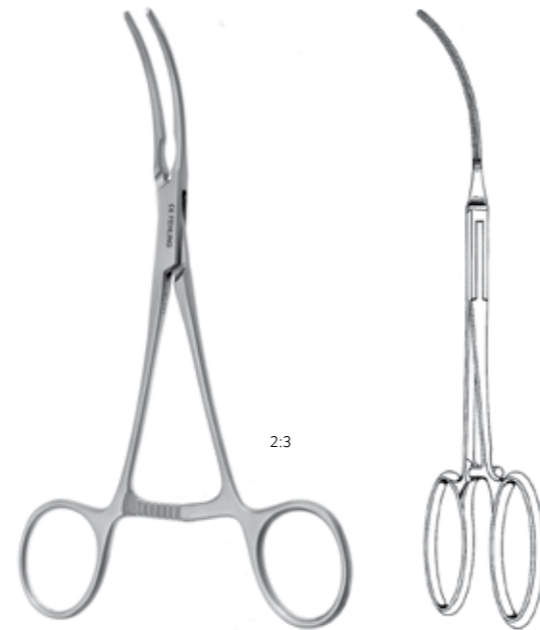
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NON-TRAUMATIC PEDIATRIC CLAMPS | ATRAUMATISCHE PÄDIATRISCHE KLEMMEN


125 mm



ART. NUMBER	
MAD-1	MET-4




NON-TRAUMATIC PEDIATRIC CLAMPS | ATRAUMATISCHE PÄDIATRISCHE KLEMMEN



125 MM
MAD-2



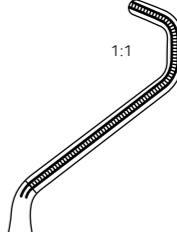
NON-TRAUMATIC PEDIATRIC CLAMPS | ATRAUMATISCHE PÄDIATRISCHE KLEMMEN



145 MM	165 MM
MAF-5	MAH-9

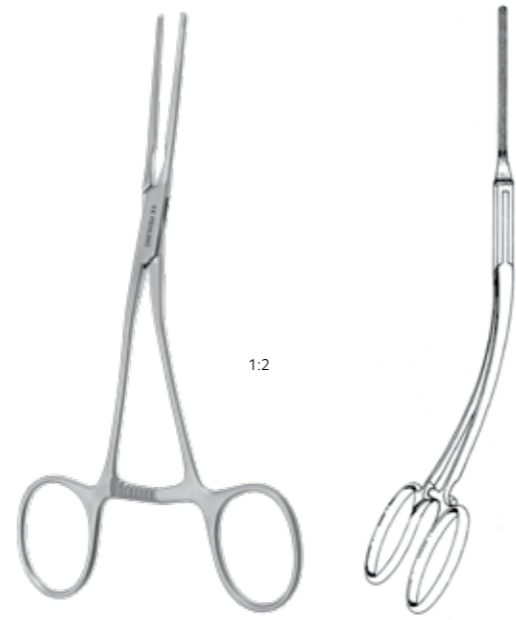
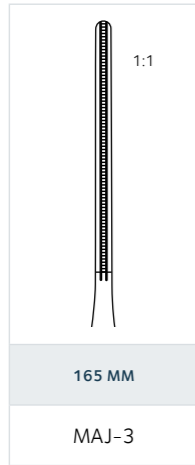


NON-TRAUMATIC PEDIATRIC CLAMPS | ATRAUMATISCHE PÄDIATRISCHE KLEMMEN

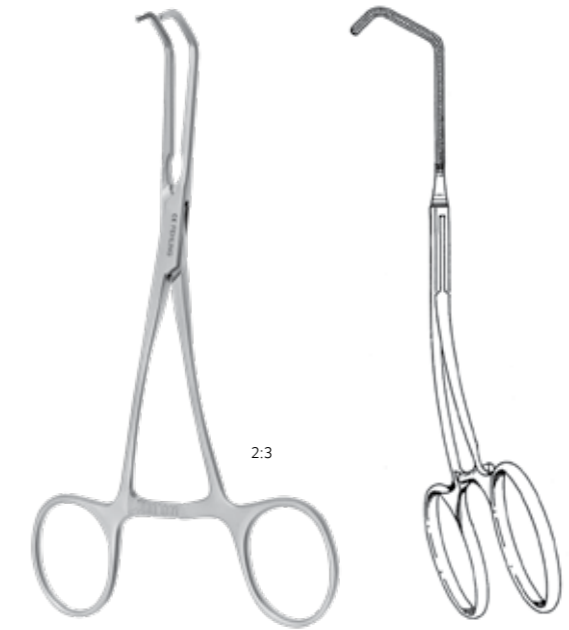
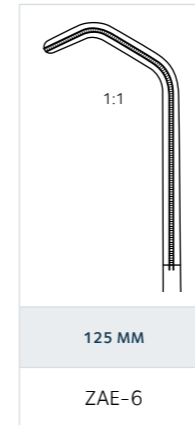


125 MM	145 MM	165 MM
MAC-8	MAF-4	MAH-8

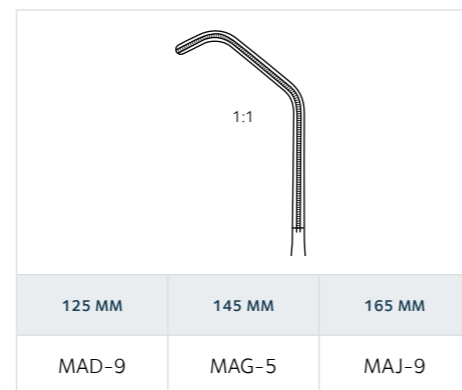
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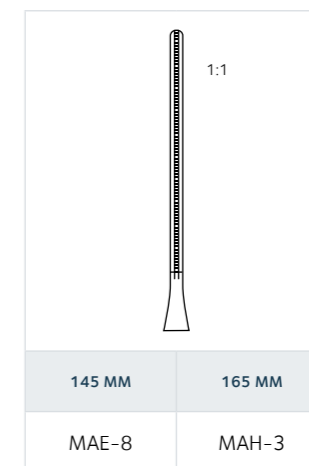
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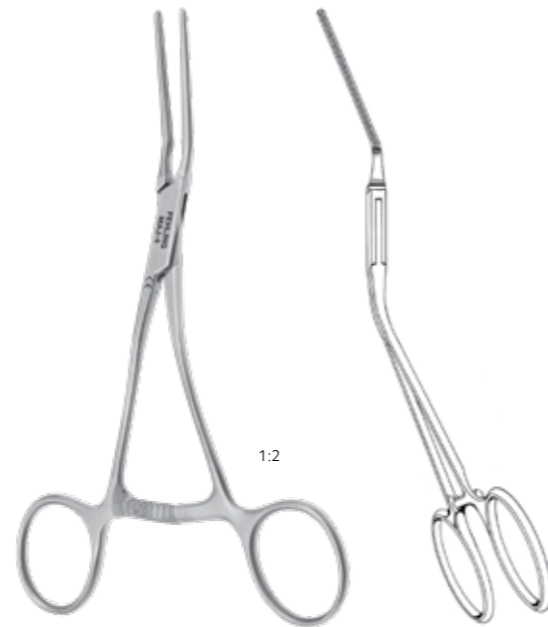
**NON-TRAUMATIC PEDIATRIC CLAMPS |** ATRAUMATISCHE PÄDIATRISCHE KLEMMEN



**NON-TRAUMATIC PEDIATRIC CLAMPS |** ATRAUMATISCHE PÄDIATRISCHE KLEMMEN



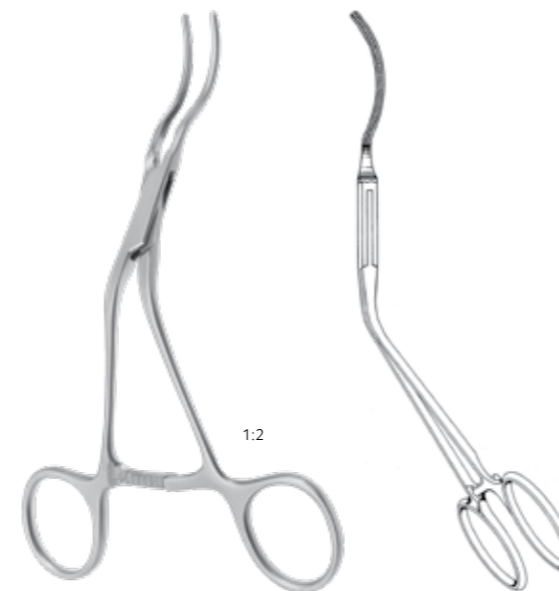
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**ATRAUMATISCHE PÄDIATRISCHE KLEMMEN**



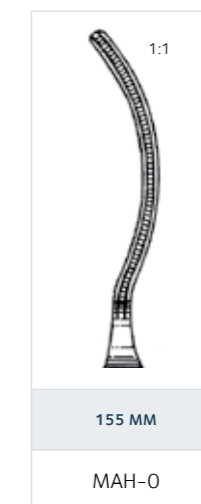
**NON-TRAUMATIC PEDIATRIC CLAMPS |**  
**ATRAUMATISCHE PÄDIATRISCHE KLEMMEN**



**NON-TRAUMATIC PEDIATRIC CLAMPS |**  
**ATRAUMATISCHE PÄDIATRISCHE KLEMMEN**

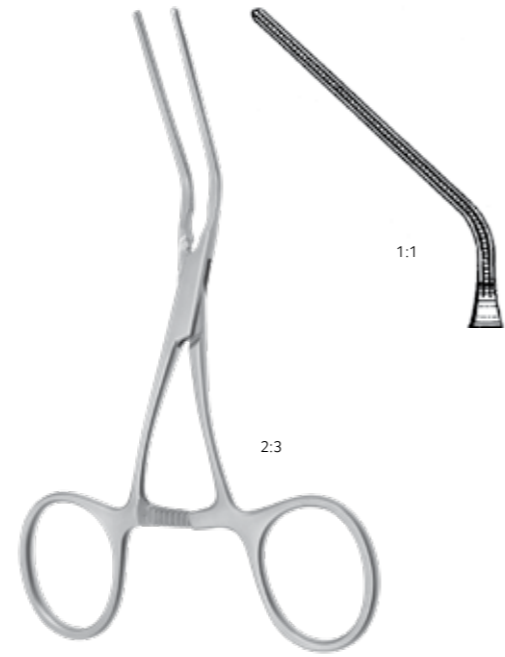


**NON-TRAUMATIC PEDIATRIC CLAMPS |**  
**ATRAUMATISCHE PÄDIATRISCHE KLEMMEN**



**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**

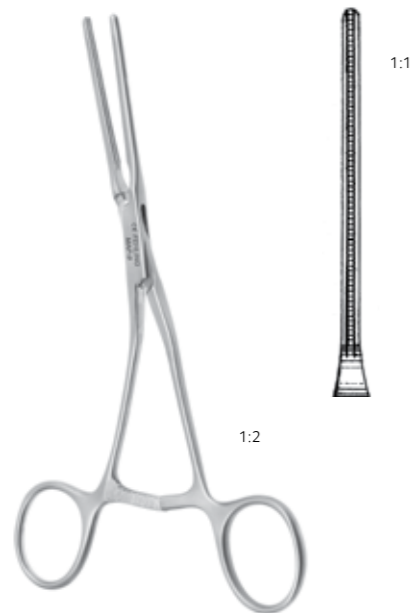
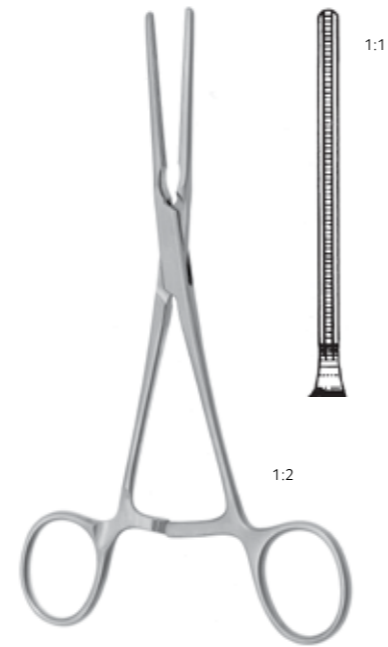


**NON-TRAUMATIC PEDIATRIC CLAMPS |**  
ATRAUMATISCHE PÄDIATRISCHE KLEMMEN

175 MM
MDU-7

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

170 MM
MAP-8

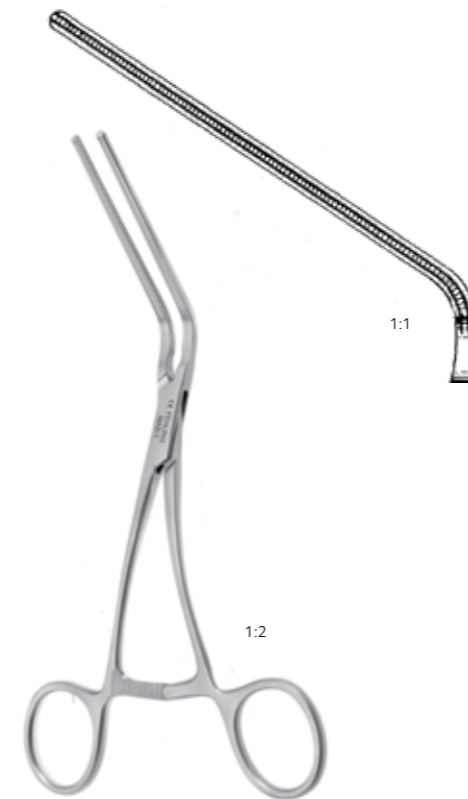
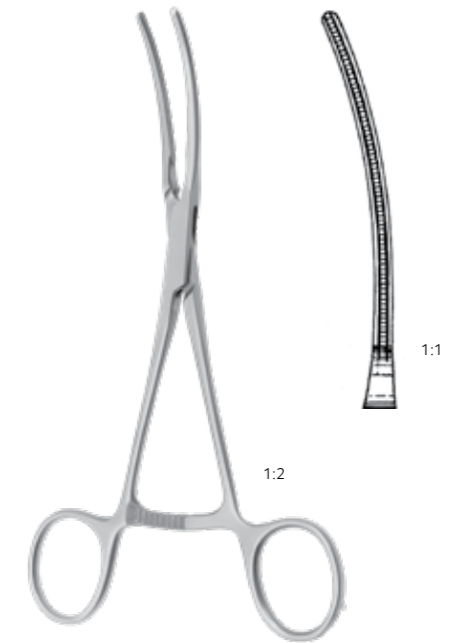


**DE BAKEY NON-TRAUMATIC CLAMPS |**  
DE BAKEY ATRAUMATISCHE KLEMMEN

165 MM
MAP-9

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

170 MM
MAC-1



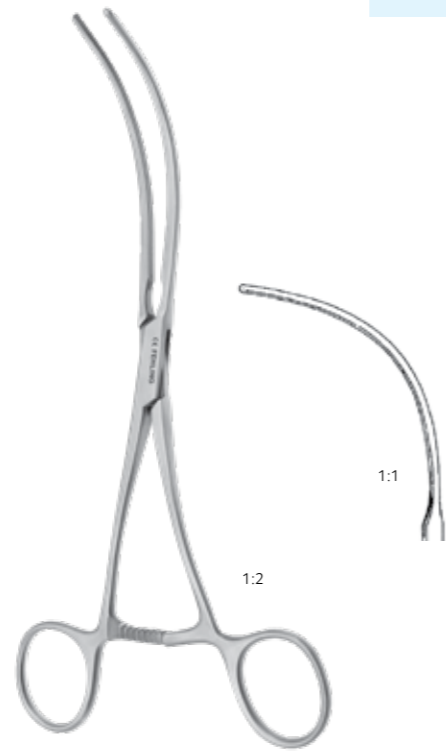
**DE BAKEY NON-TRAUMATIC CLAMPS |**  
DE BAKEY ATRAUMATISCHE KLEMMEN

180 MM
MAS-1

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DE BAKEY NON-TRAUMATIC CLAMPS | DE BAKEY ATRAUMATISCHE KLEMMEN

185 MM
MAR-2
MEP-4

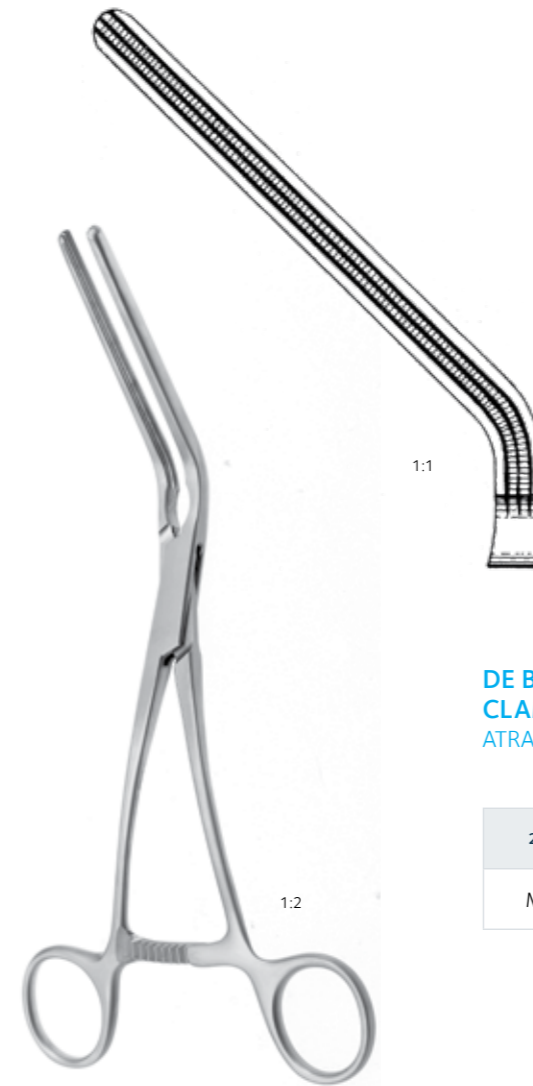


DE BAKEY NON-TRAUMATIC CLAMPS | DE BAKEY ATRAUMATISCHE KLEMMEN

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

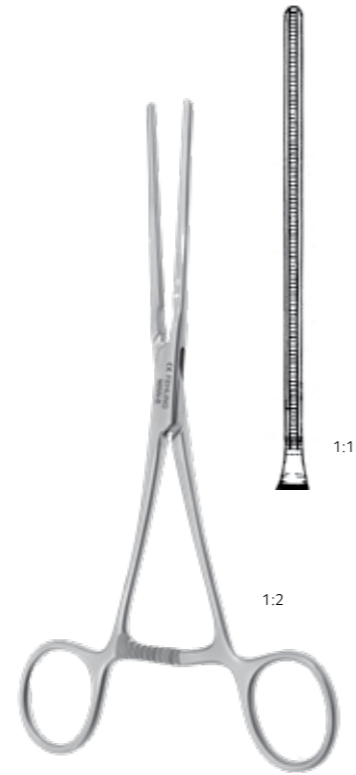


DE BAKEY BORST NON-TRAUMATIC CLAMPS | DE BAKEY BORST ATRAUMATISCHE KLEMMEN

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

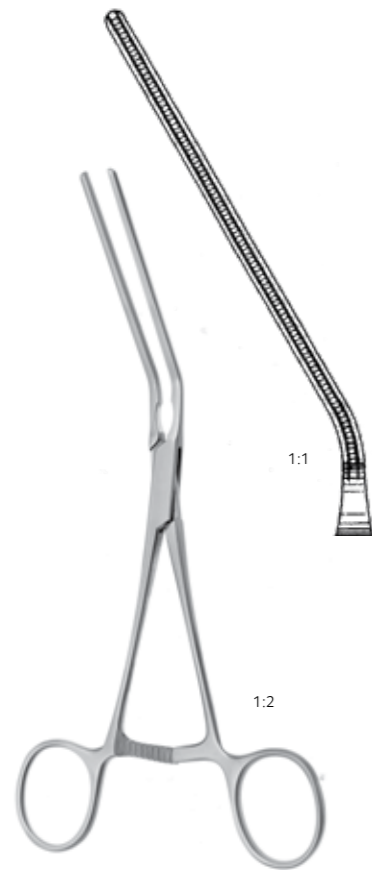
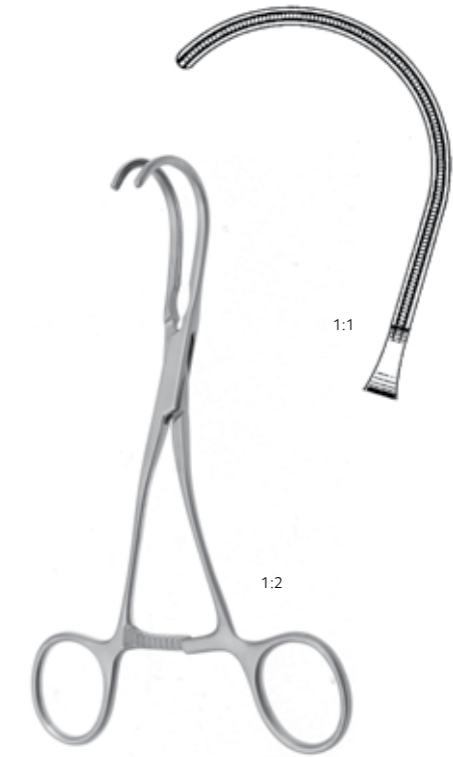
**DE BAKEY BAINBRIDGE NON-TRAUMATIC CLAMPS | DE BAKEY BAINBRIDGE ATRAUMATISCHE KLEMMEN**

180 MM
MAN-8



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

170 MM
MAX-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**

 1:1	 1:1	 1:1
150 MM	160 MM	170 MM
MHC-7	MHC-9	MHC-8

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

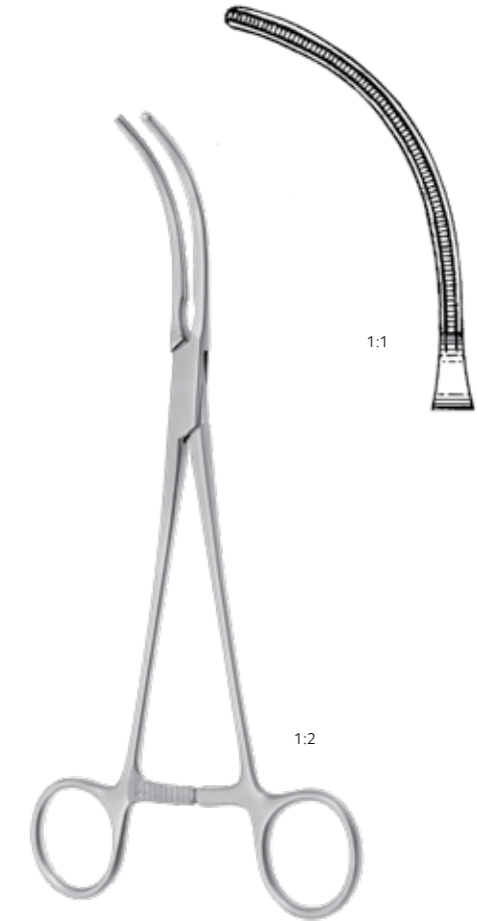
255 MM	265 MM	300 MM	310 MM	2X3 TEETH / ZÄHNE 320 MM
MAA-9	MAB-1	MAB-2	MAB-3	MFR-6



**Titanium Titan**

**GLOVER ANEURYSM AND ANASTOMOSIS CLAMPS |**  
 GLOVER ANEURYSMA- UND ANASTOMOSENKLEMMEN

215 MM
MAY-1



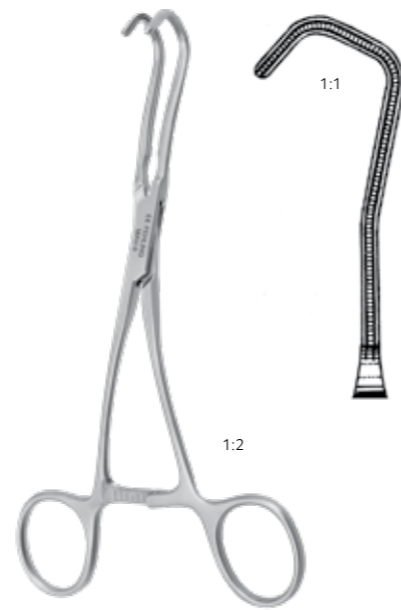
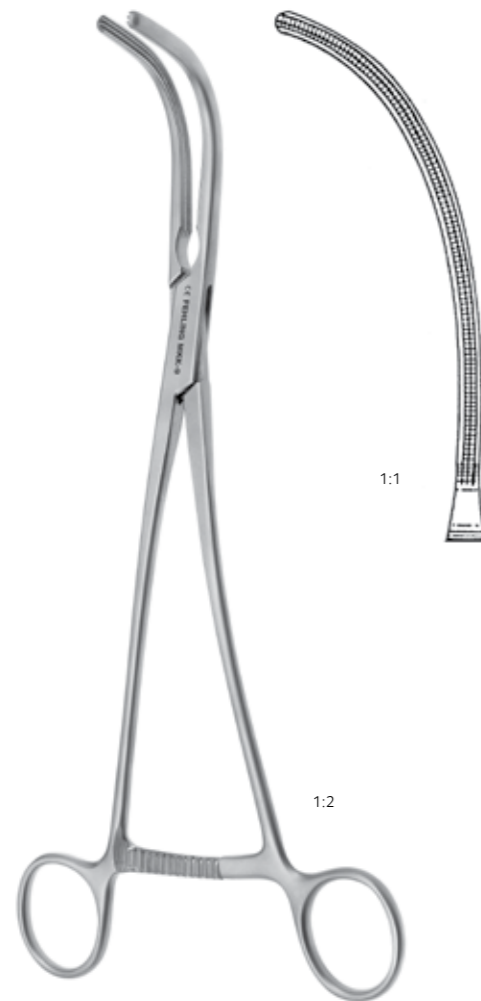
**LAMBERT-KAY ANEURYSM AND ANASTOMOSIS CLAMPS |**  
 ANEURYSMA- UND ANASTOMOSENKLEMMEN

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

**Titanium Titan**

**DERRA ANEURYSM AND ANASTOMOSIS CLAMPS |  
DERRA ANEURYSMA- UND ANASTOMOSENKLEMMEN**

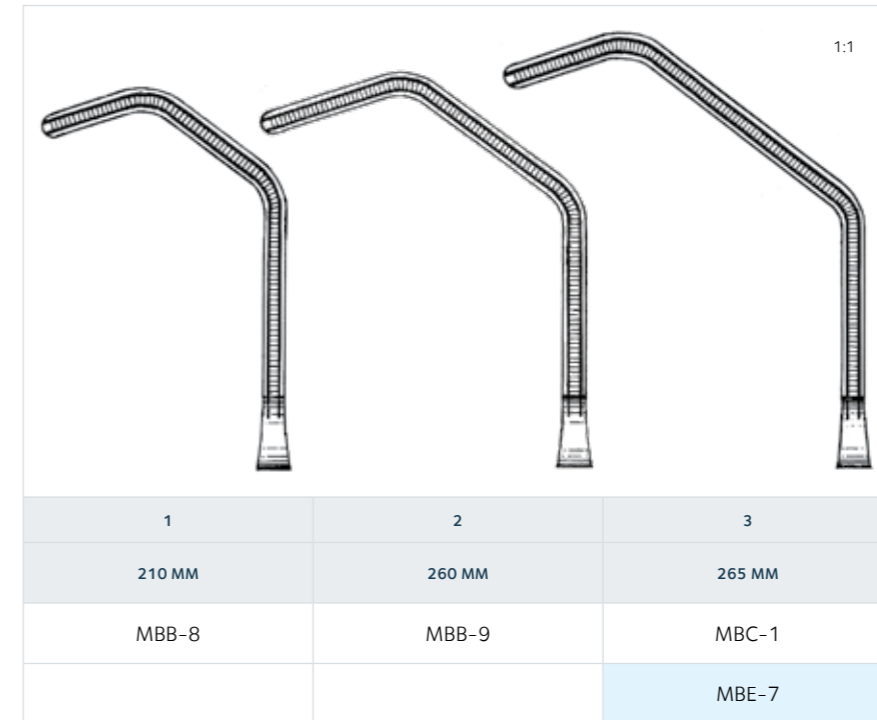
160 MM	170 MM	180 MM
MAV-5	MAV-4	MAB-9



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

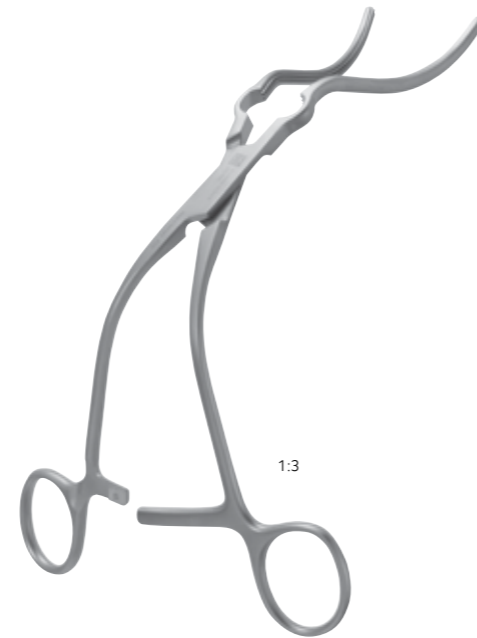
2X3 TEETH / ZÄHNE 265 MM
MKK-8

**SATINSKY NON-TRAUMATIC CLAMPS |  
SATINSKY ATRAUMATISCHE KLEMMEN**



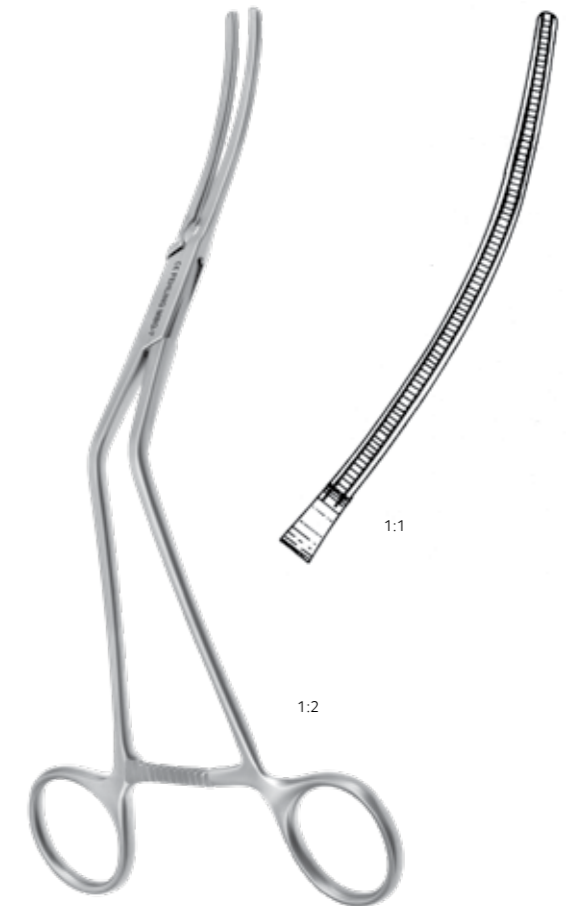
**HANNOVER PROXIMAL ARCH CLAMP |**  
HANNOVER PROXIMALE BOGENKLEMME

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



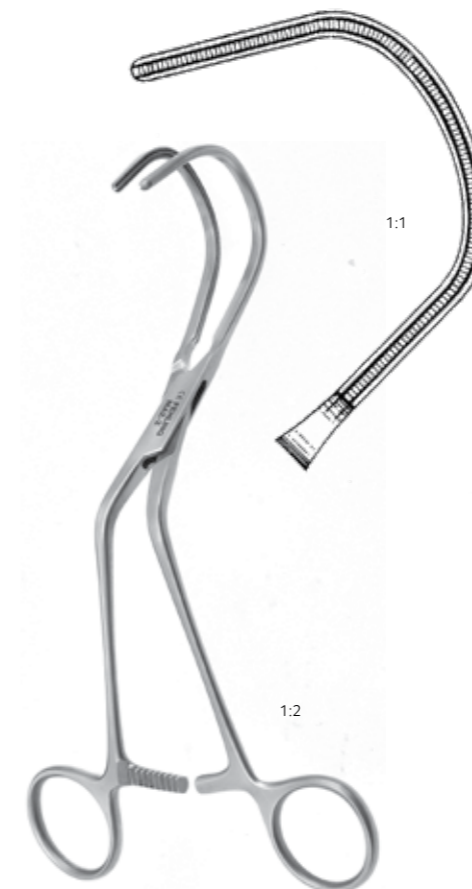
**WYLIE AORTIC CLAMPS |**  
WYLIE AORTENKLEMMEN

240 MM
MBG-7



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

210 MM
MEE-3



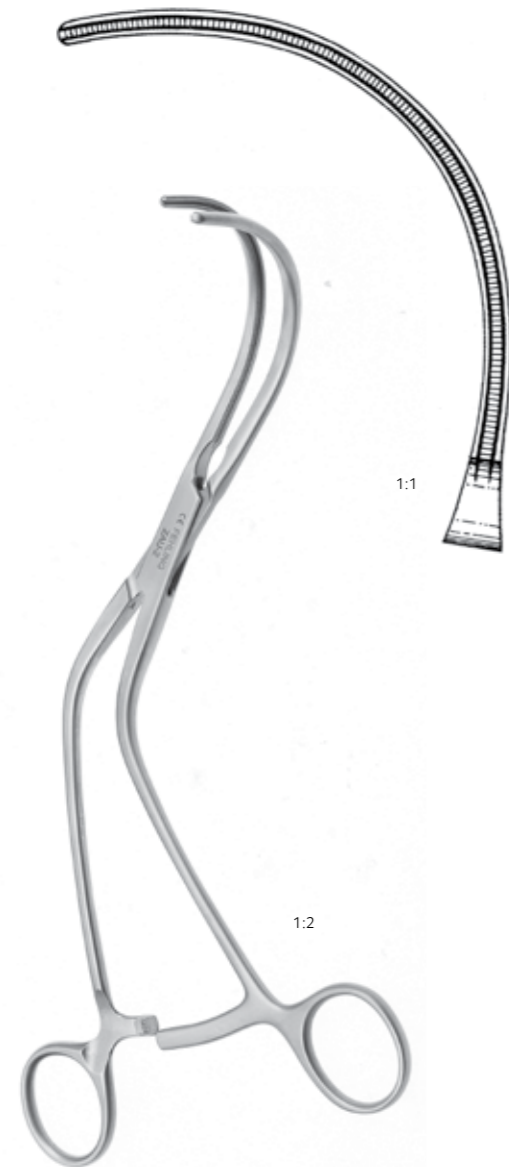
**KAY AORTIC CLAMPS |**  
KAY AORTENKLEMMEN

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



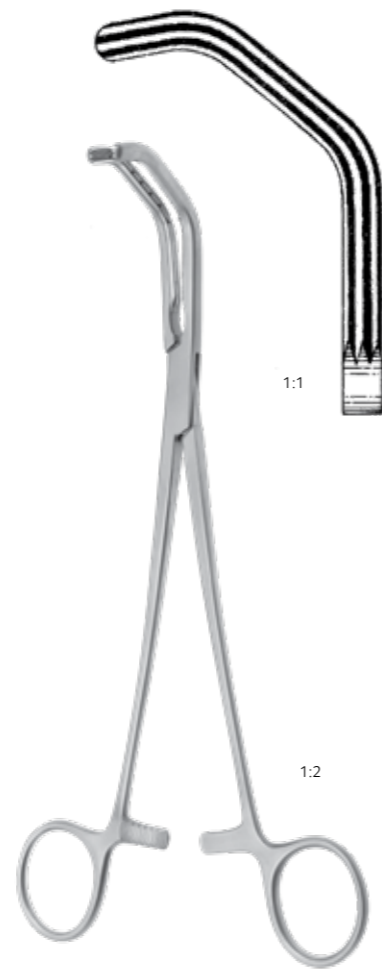
**HACKELSTOCK LOOP CLAMPS |**  
**HACKELSTOCK UMFÜHRUNGSKLEMME**

240 MM
ZBZ-05



**PRICE THOMAS BRONCHUS CLAMPS | PRICE THOMAS BRONCHUSKLEMMEN**

220 MM
MEX-7



**BABY-ADSON DISSECTING CLAMPS | BABY-ADSON PRÄPARIERKLEMMEN**

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

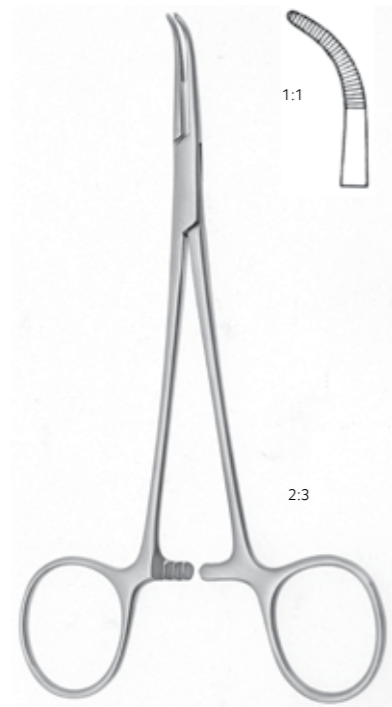


**BABY-OVERHOLT DISSECTING CLAMPS | BABY-OVERHOLT PRÄPARIERKLEMMEN**

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



**RUMEL DISSECTING CLAMPS |**  
RUMEL PRÄPARIERKLEMMEN

240 MM	240 MM
DBL-1	DBL-2



**GEMINI DISSECTING CLAMPS |**  
GEMINI PRÄPARIERKLEMMEN



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

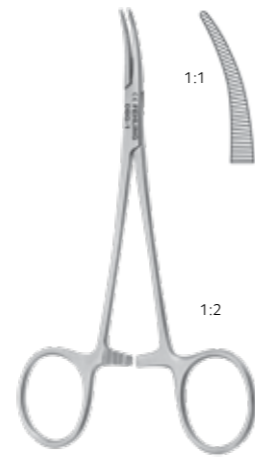
**MICRO MOSQUITO DISSECTING CLAMPS |**  
MIKRO MOSQUITO PRÄPARIERKLEMMEN

100 MM	120 MM
DBF-4	DBF-9



**MICRO MOSQUITO DISSECTING CLAMPS | MIKRO MOSQUITO PRÄPARIERKLEMMEN**

100 MM	120 MM
DBF-5	DBG-1

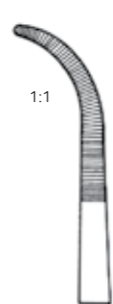




**ZENKER DISSECTING CLAMPS | ZENKER PRÄPARIERKLEMMEN**

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

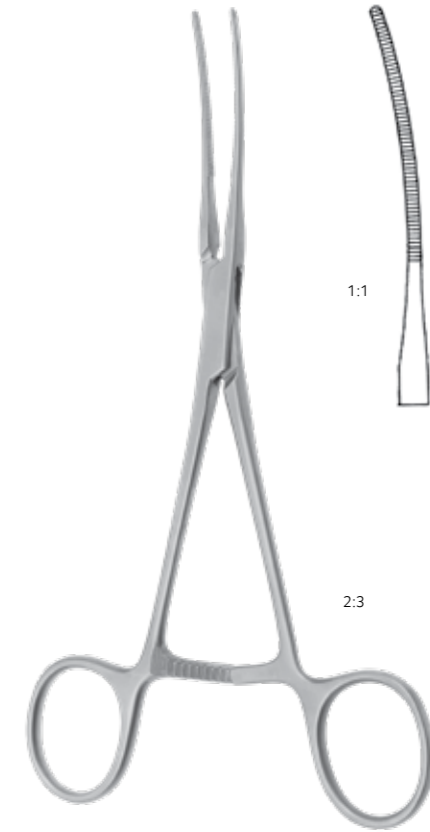
**HEISS DISSECTING CLAMPS |**  
HEISS PRÄPARIERKLEMMEN

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



**MILLS DISSECTING CLAMPS |**  
MILLS PRÄPARIERKLEMMEN

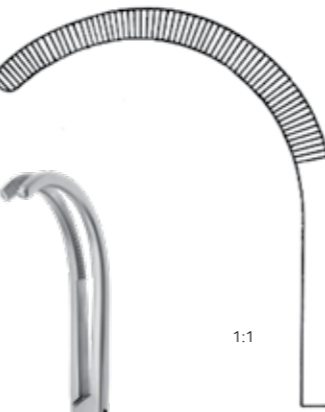
165 MM
MFF-8



**BENGOLEA DISSECTING CLAMPS |**  
BENGOLEA PRÄPARIERKLEMMEN

1x2 teeth / Zähne




240 MM
DAB-2



**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**

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



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

**TOWEL CLAMPS |**  
TUCHKLEMMEN


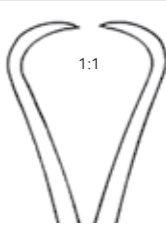
For paper towels  
Für Papiertücher

 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

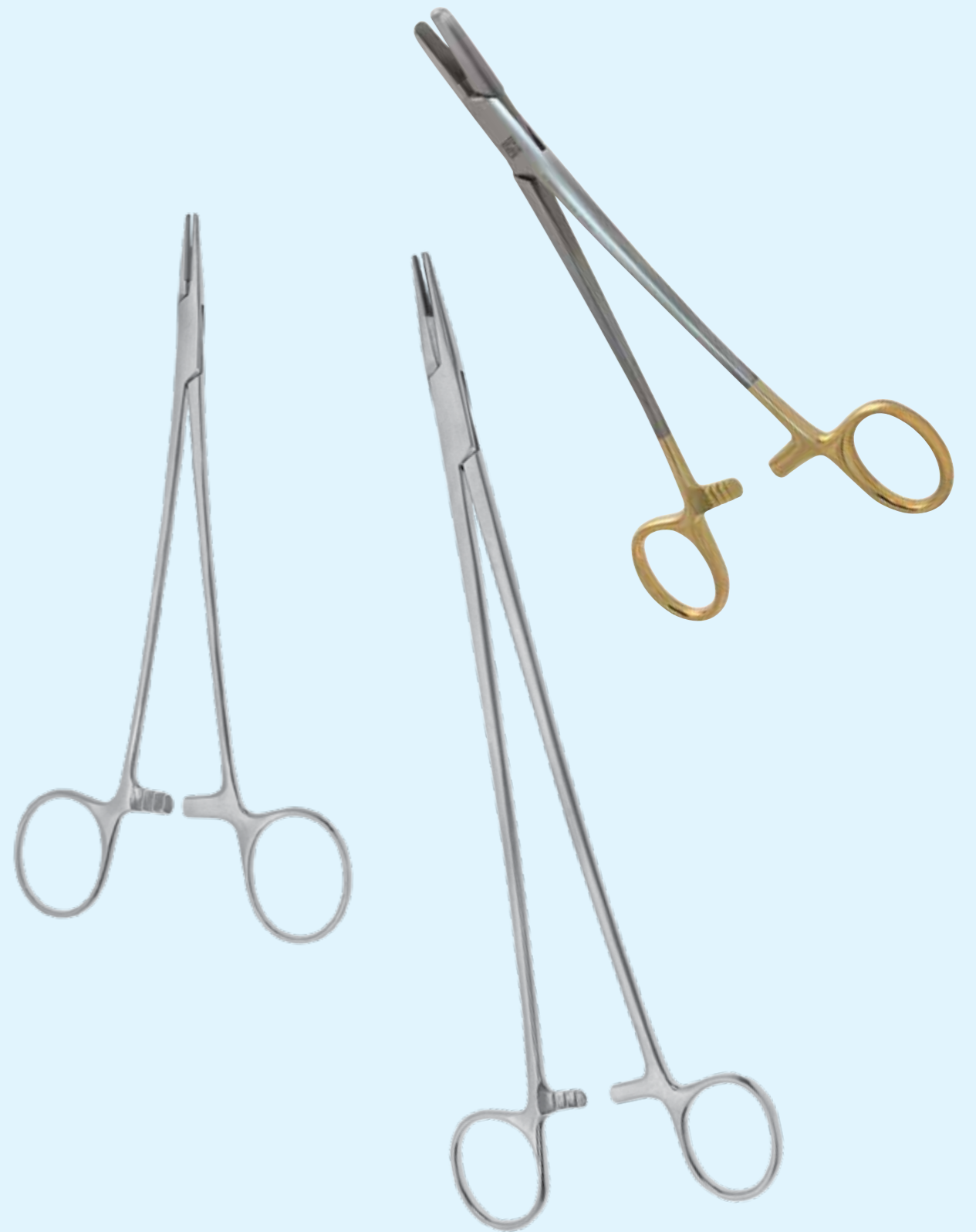
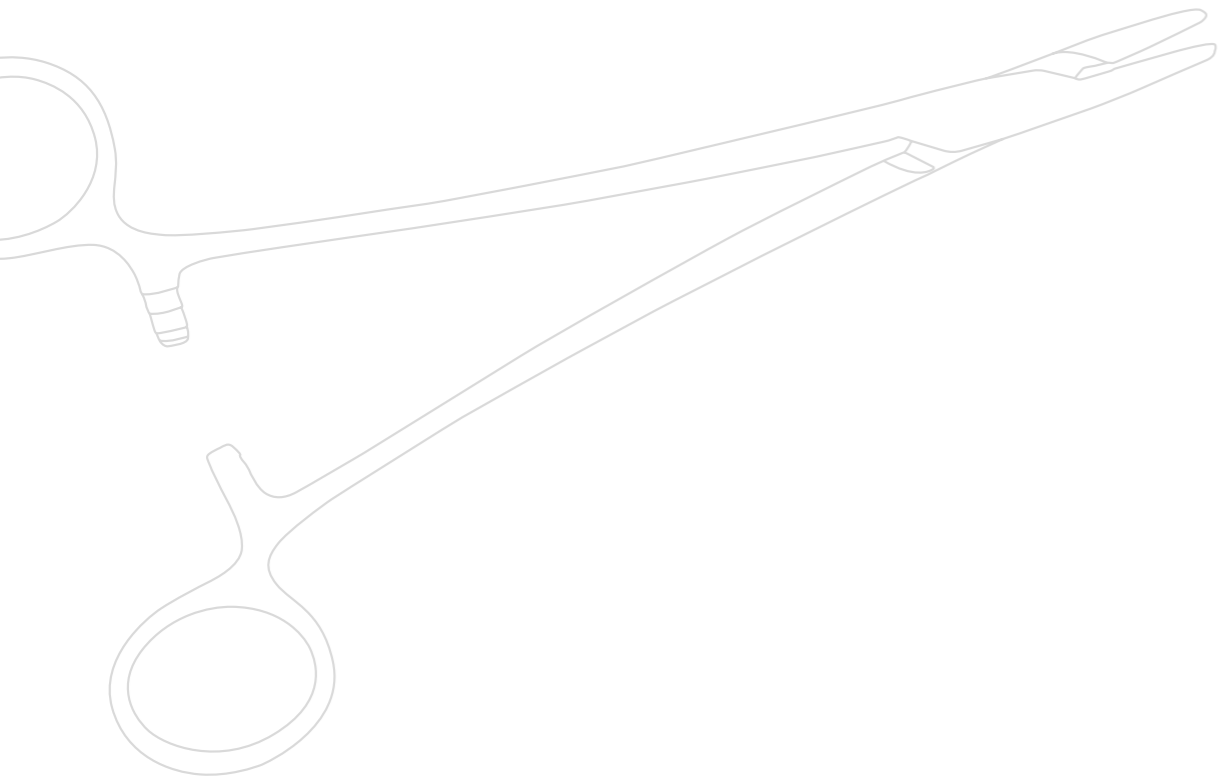
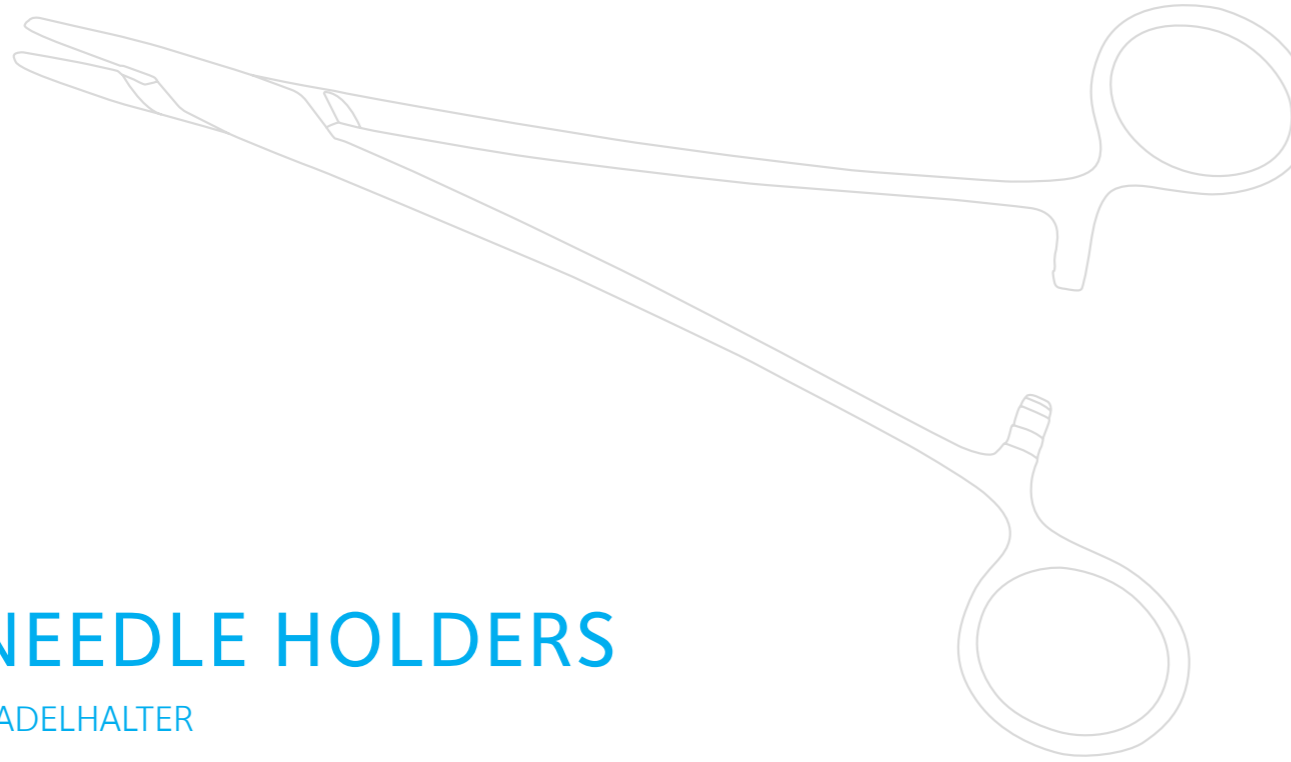


**BACKHAUS TOWEL CLAMPS |**  
BACKHAUS TUCHKLEMMEN

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

# NEEDLE HOLDERS

NADELHALTER





**TC DE BAKEY NEEDLE HOLDERS |**  
TC DE BAKEY NADELHALTER

Max. 4x0

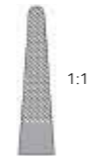

LENGTH LÄNGE	ART. NUMBER
165 mm	KAG-8

Max. suture size / max. Fadenstärke



**TC MAYO-HEGAR NEEDLE HOLDERS |**  
TC MAYO-HEGAR NADELHALTER

Max. 1x0  
Unlimited \*

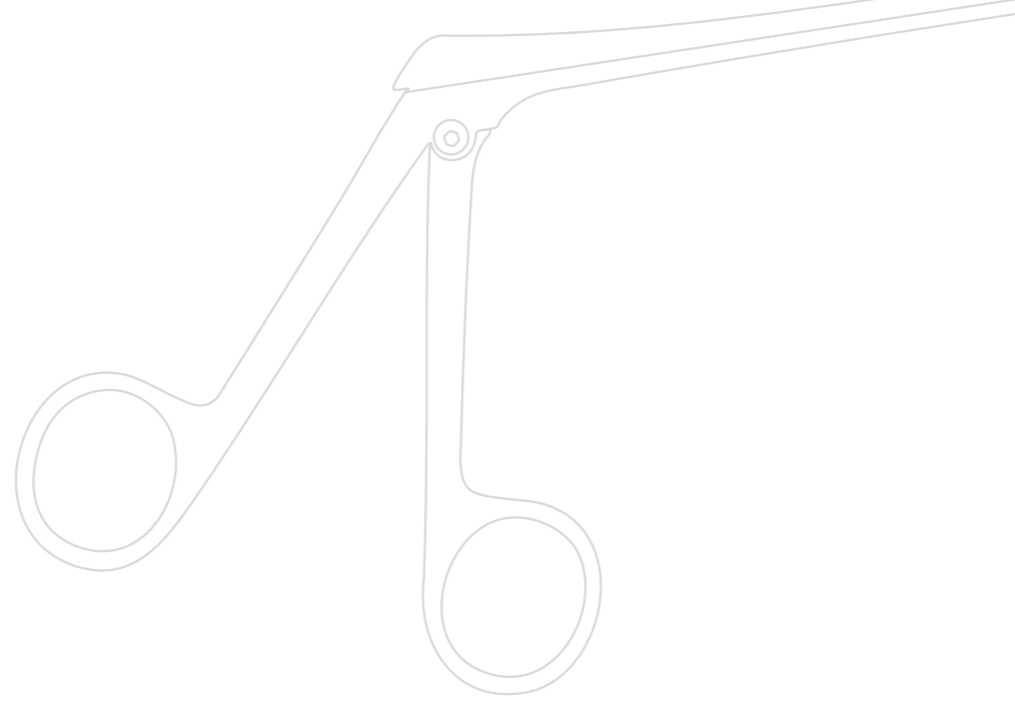
LENGTH LÄNGE	 1:1  1:1	
	STANDARD	STRONG PATTERNS STARKE MODELLE
180 mm		KAL-0 *
240 mm	KAP-8	KCP-5 *

Max. suture size / max. Fadenstärke

**TC WIRE TWISTING FORCEPS |**  
TC DRAHTSPINNZANGE

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

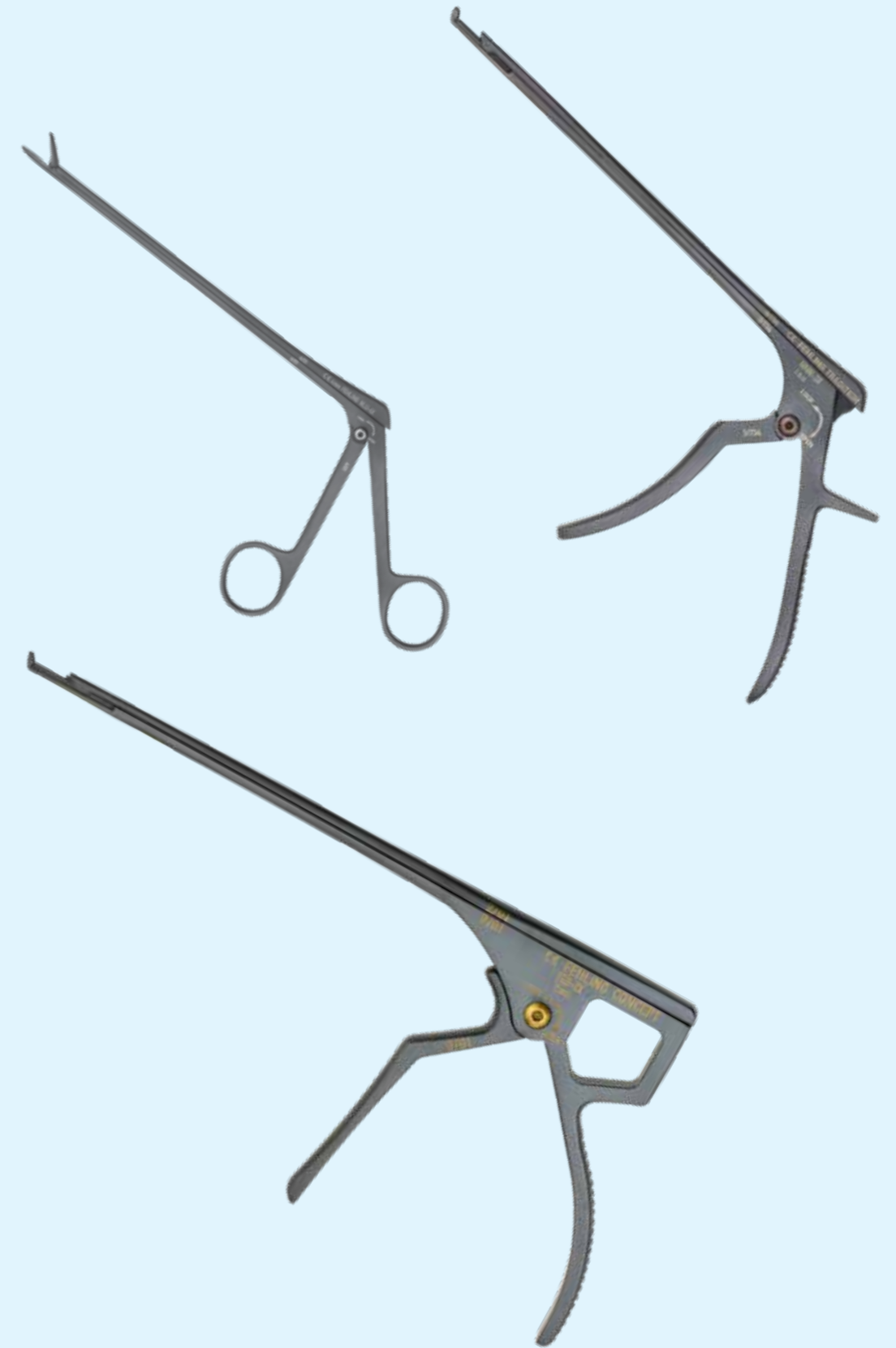
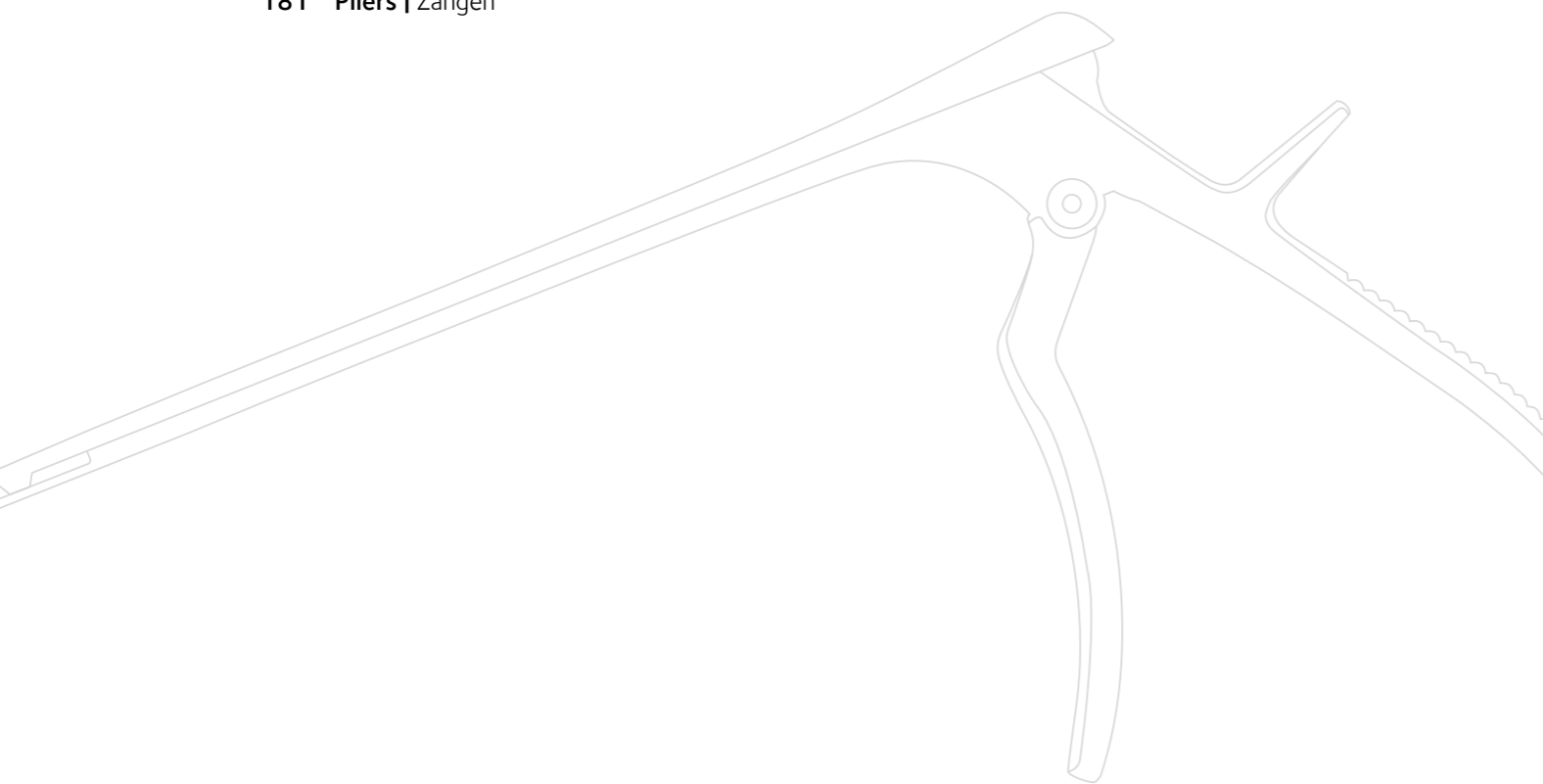




## PUNCHES, RONGEURS AND BONE CUTTERS

STANZEN, RONGEURE UND KNOCHENSCHNEIDER

- 140 Ejector Punches | Auswerferstanzen
- 157 Accessories | Zubehör
- 158 Rongeurs | Rongeure
- 170 Osteo Bioptome | Osteobiopptom
- 171 Bone Rongeurs | Hohlmeisselzangen
- 179 Bone Cutting Forceps | Knochensplitterzangen
- 181 Pliers | Zangen



**CERAMO® CONCEPT X EJECTOR PUNCHES |**  
**CERAMO® CONCEPT X AUSWERFERSTANZEN**

Detachable / Zerlegbar  
 Standard foot / Standardfuss

FOOT SIZE FUSSBREITE mm	SHAFT LENGTH SCHAFTLÄNGE mm	40° 	90° 
0.8	180 mm	TEC-0X	
	200 mm	TEA-0X	
1.0	180 mm	TEC-1X	
	200 mm	TEA-1X	
	300 mm	TEG-1X	
1.5	200 mm	TEA-7X	
2.0	180 mm	TEC-2X	
	200 mm	TEA-2X	TEK-2X
	250 mm	TEE-2X	
	300 mm	TEG-2X	
	400 mm	TEI-2X	
3.0	180 mm	TEC-3X	
	200 mm	TEA-3X	TEK-3X
	250 mm	TEE-3X	
	300 mm	TEG-3X	
	400 mm	TEI-3X	



FOOT SIZE FUSSBREITE mm	SHAFT LENGTH SCHAFTLÄNGE mm	40° 	90° 
4.0	180 mm	TEC-4X	
	200 mm	TEA-4X	TEK-4X
	250 mm	TEE-4X	
	300 mm	TEG-4X	
	400 mm	TEI-4X	
5.0	200 mm	TEA-5X	TEK-5X
	250 mm	TEE-5X	
	300 mm	TEG-5X	
	400 mm	TEI-5X	
6.0	200 mm	TEA-6X	
	300 mm	TEG-6X	



All punches with length 300 and 400 mm are calibrated.  
 Alle Stanzen in den Längen 300 und 400 mm sind graduiert.

**CERAMO® CONCEPT X EJECTOR PUNCHES |**  
**CERAMO® CONCEPT X AUSWERFERSTANZEN**

Detachable / Zerlegbar  
 Flat foot / Flachfuß

FOOT SIZE FUSSBREITE mm	SHAFT LENGTH SCHAFTLÄNGE mm	40° 	90° 
1.0	200 mm	TEB-1X	TEL-1X
	250 mm	TEF-1X	
	300 mm	TEH-1X	
	400 mm	TEJ-1X	
1.5	200 mm	TEB-7X	
	250 mm	TEF-7X	
2.0	200 mm	TEB-2X	TEL-2X
	250 mm	TEF-2X	
	300 mm	TEH-2X	
	400 mm	TEJ-2X	
2.0	200 mm	TEB-8X	TEL-8X
	250 mm	TEF-8X	
3.0	200 mm	TEB-3X	TEL-3X
	250 mm	TEF-3X	
	300 mm	TEH-3X	
	400 mm	TEJ-3X	
3.5	200 mm	TEB-0X	TEL-9X




FOOT SIZE FUSSBREITE mm	SHAFT LENGTH SCHAFTLÄNGE mm	40° 	90° 
4.0	200 mm	TEB-4X	TEL-4X
	250 mm	TEF-4X	
	300 mm	TEH-4X	
	400 mm	TEJ-4X	
5.0	200 mm	TEB-5X	TEL-5X
	250 mm	TEF-5X	
	300 mm	TEH-5X	
	400 mm	TEJ-5X	
6.0	200 mm	TEB-6X	
	300 mm	TEH-6X	


All punches with length 300 and 400 mm are calibrated.  
 Alle Stanzen in den Längen 300 und 400 mm sind graduiert.

**CERAMO® TRADITION X EJECTOR PUNCHES |**  
**CERAMO® TRADITION X AUSWERFERSTANZEN**

Detachable / Zerlegbar  
 Standard foot / Standardfuss

FOOT SIZE FUSSBREITE mm	SHAFT LENGTH SCHAFTLÄNGE mm	
0.8	200	NNB-9X
	180	NYC-2X
1.0	200	NNN-0X
	250	NZY-6X
	300	NYA-0X
	180	NYC-1X
1.5	200	NTI-0X
	180	NNG-1X
2.0	200	NNY-0X
	250	NNG-7X
	300	NNG-8X
	200	NNN-1X
2.5	250	NNL-2X
	300	NNE-2X
	400	NNY-2X
	180	NNL-7X
3.0	200	NNN-2X
	250	NNL-3X
	300	NNE-3X
	400	NNY-3X
3.5	200	NNN-3X




FOOT SIZE FUSSBREITE mm	SHAFT LENGTH SCHAFTLÄNGE mm	
4.0	180	NNL-8X
	200	NNN-4X
	250	NNL-4X
	300	NNE-4X
	400	NNY-4X
5.0	180	NNL-9X
	200	NNN-5X
	250	NNL-5X
	300	NNE-5X
	400	NNY-5X
6.0	180	NVC-0X
	200	NNN-6X
	300	NNE-0X
	400	NNY-6X


All punches with length 300 and 400 mm are calibrated.  
 Alle Stanzen in den Längen 300 und 400 mm sind graduert.

**CERAMO® TRADITION X EJECTOR PUNCHES |**  
**CERAMO® TRADITION X AUSWERFERSTANZEN**

Detachable / Zerlegbar  
 Flat foot / Flachfuß

FOOT SIZE FUSSBREITE mm	SHAFT LENGTH SCHAFTLÄNGE mm	 40°
1.0	180	NVU-0X
	200	NZY-8X
	250	NZY-9X
	300	NYB-0X
2.0	180	NVF-7X
	200	NNR-0X
	250	NNL-1X
	300	NNX-0X
2.5	180	NVF-2X
	200	NNO-1X
	250	NNK-8X
3.0	180	NVF-3X
	200	NNO-2X
	250	NNL-6X
	300	NNW-3X
	400	NNQ-1X
3.5	200	NNO-8X



FOOT SIZE FUSSBREITE mm	SHAFT LENGTH SCHAFTLÄNGE mm	 40°
4.0	180	NVF-4X
	200	NNO-3X
	250	NNK-9X
	300	NNW-4X
	400	NNQ-2X
5.0	180	NVF-8X
	200	NNO-7X
	250	NNL-0X
	300	NNW-5X
	400	NNQ-3X
6.0	200	NNO-0X

All punches with length 300 and 400 mm are calibrated.  
 Alle Stanzen in den Längen 300 und 400 mm sind graduiert.

**CERAMO® TURNUS\* ROTATABLE SCHAFT HANDLES |**  
CERAMO® TURNUS\* DREHBARER SCHAFT GRIFFE

**CONCEPT**  
TGZ-0





**CERAMO® TURNUS\* ROTATABLE SCHAFT HANDLES |**  
CERAMO® TURNUS\* DREHBARER SCHAFT GRIFFE

**TRADITION**  
TGZ-6A

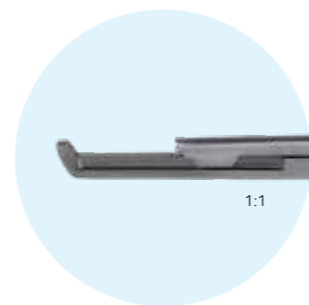


*\*WARNING: Please use CONCEPT TURNUS punches for cervical and transphenoidal surgery only.*

**CERAMO® TURNUS ROTATABLE SHAFTS |**  
**CERAMO® TURNUS DREHBARE SCHÄFTE**

FOOT SIZE FUSSBREITE mm	SHAFT LENGTH SCHAFTLÄNGE mm	STANDARD FOOT / STANDARDFUSS	FLAT FOOT / FLACHFUSS
			
0.8	180	TGA-0	
1.0	180	TGC-1	TGD-1
	200	TGA-1	TGB-1
	250	TGE-1	TGF-1
1.5	200		TGB-7
2.0	180	TGC-2	TGD-2
	200	TGA-2	TGB-2
	250	TGE-2	TGF-2
2.5	200		TGB-8
4.0	180	TGC-4	TGD-4
	200	TGA-4	TGB-4
	250	TGE-4	TGF-4
5.0	180	TGC-5	TGD-5
	200	TGA-5	TGB-5
	250	TGE-5	TGF-5
6.0	200	TGA-6	TGB-6

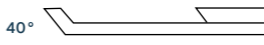
All punches with length 300 and 400 mm are calibrated.  
 Alle Stanzen in den Längen 300 und 400 mm sind graduiert.

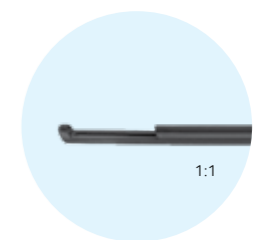


2:3

**CERAMO® TURNUS ROTATABLE SHAFTS |**  
**CERAMO® TURNUS DREHBARE SCHÄFTE**

For endoscopy (No ejector)  
 Für Endoskopie (Kein Auswerfer)

SHAFT Ø SCHAFT Ø mm	SHAFT LENGTH SCHAFTLÄNGE mm	
3.0	360	TGW-1
3.5	360	TGW-0



1:1



1:2

**CERAMO® GENTLE EJECTOR PUNCHES |**  
**CERAMO® GENTLE AUSWERFERSTANZEN**

Detachable / Zerlegbar  
 Big handle and stroke / Grosser Griff und Hub

FOOT SIZE FUSSBREITE mm	SHAFT LENGTH SCHAFTLÄNGE mm	STANDARD FOOT / STANDARDFUSS		FLAT FOOT / FLACHFUSS
		40° GENTLE	40° GENTLE "SINGER"	40° GENTLE
1.0	200	TIA-1		TIB-1
	250	TIC-1		TID-1
2.0	200	TIA-2		TIB-2
	250	TIC-2		TID-2
	300	TIE-2		TIF-2
3.0	200	TIA-3	TIG-3	TIB-3
	250	TIC-3	TIH-3	TID-3
	300	TIE-3	TIJ-3	TIF-3
4.0	200	TIA-4	TIG-4	TIB-4
	250	TIC-4	TIH-4	TID-4
	300	TIE-4	TIJ-4	TIF-4
5.0	200	TIA-5	TIG-5	TIB-5
	250	TIC-5	TIH-5	TID-5
	300	TIE-5	TIJ-5	
6.0	200	TIA-6	TIG-6	TIB-6
	250	TIC-6	TIH-6	
	300	TIE-6	TIJ-6	
7.0	200	TIA-8		
8.0	200	TIA-7		

All punches with length 300 mm are calibrated.  
 Alle Stanzen in den Längen 300 mm sind graduiert.

**SILICONE HANDLE / SILIKONGRIFF**



Soft, non-slip surface / Weiche, rutschsichere Oberfläche



**CERAMO® TRADITION X EJECTOR PUNCHES |**



**CERAMO® TRADITION X AUSWERFERSTANZEN**

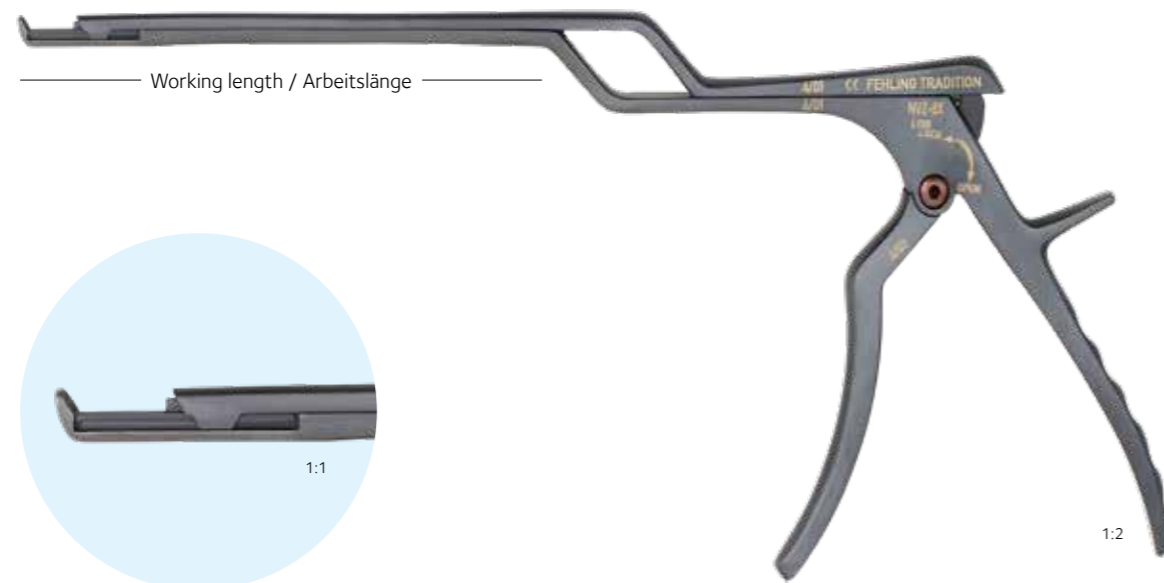
Detachable / Zerlegbar

FOOT SIZE FUSSBREITE mm	STANDARD FOOT 40° STANDARDFUSS 40°		FLAT FOOT 40° FLACHFUSS 40°			
	WORKING LENGTH / ARBEITSLÄNGE mm					
	140	180	140	160	180	200
1.0	NVZ-1X	NVZ-0X	NVZ-6X		NVZ-3X	NVD-0X
2.0	NVZ-2X	NVA-5X	NVZ-7X	NUZ-5X	NVZ-4X	NVD-1X
3.0	NNU-4X	NNU-7X		NUZ-6X	NVA-8X	NVD-6X
4.0	NNU-5X	NNU-8X	NVZ-8X			
5.0		NNU-9X	NVZ-9X			



**CERAMO® SUBLAMINAR PUNCHES |**

**CERAMO® SUBLAMINAR STANZEN**

FOOT SIZE FUSSBREITE mm	SHAFT LENGTH SCHAFTLÄNGE mm		
2.0	200	NND-2	NVD-2
	250	NVC-2	
3.0	200	NND-3	NVD-3
	250	NVC-3	
4.0	200	NND-4	NVD-4
	250	NVC-4	
5.0	200	NND-5	



**CERAMO® KERRISON PUNCHES |**  
 CERAMO® KERRISON STANZEN

FOOT SIZE FUSSBREITE mm	SHAFT LENGTH SCHAFTLÄNGE mm		
2.0	200	NNR-9	
3.0	200	NNR-3	NNR-6
4.0	200	NNR-4	
5.0	200	NNR-5	



**ACCESSORIES FOR PUNCHES |**  
 ZUBEHÖR FÜR STANZEN

**STERILIZATION AND STORAGE TRAY FOR 5 PUNCHES |**  
 STERILISIERUNGS- UND AUFBEWAHRUNGSCONTAINER FÜR 5 STANZEN  
 385x150x150 mm  
 UCA-3S



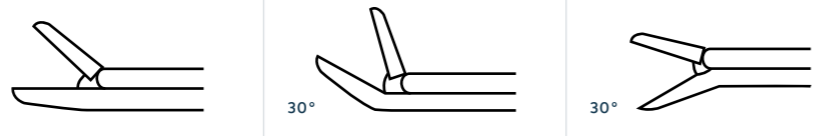
**ACCESSORIES FOR DETACHABLE PUNCHES |**  
 ZUBEHÖR FÜR ZERLEGBARE STANZEN

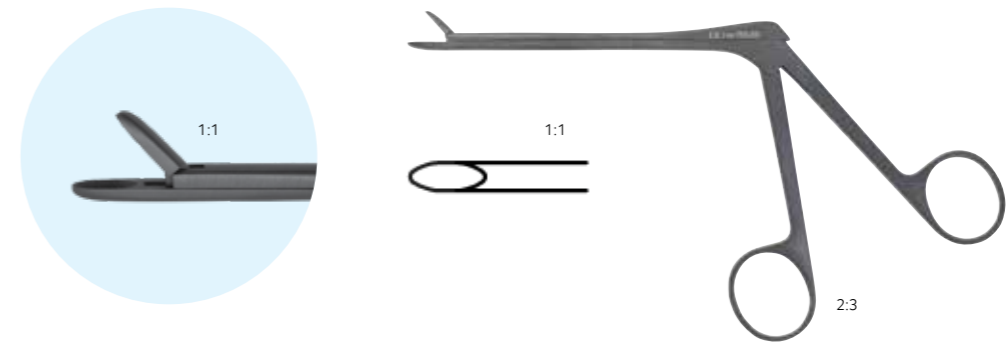
**SCREWDRIVER STERILISABLE |**  
 SCHRAUBENDREHER STERILISIERBAR  
 TXW-9X



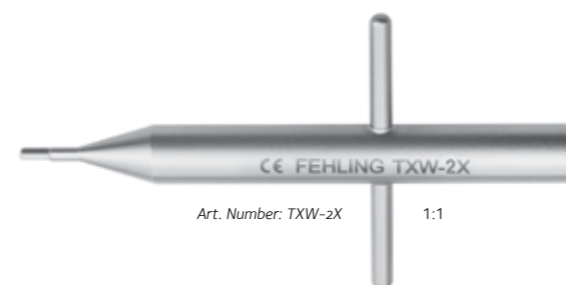
**CERAMO® GRUMME AND GRUMME X RONGEURS |**  
**CERAMO® GRUMME UND GRUMME X RONGEURE**

Grumme X is detachable.  
 Grumme X ist zerlegbar.

JAW WIDTH MAULBREITE	LENGTH LÄNGE			30°		30°	
		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**

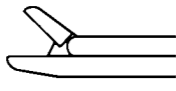
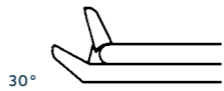


**SCREWDRIVER STERILISABLE |**  
**SCHRAUBENDREHER STERILISIERBAR**

ART. NUMBER
TXW-2X

**CERAMO® RICHTER X RONGEUR |**  
**CERAMO® RICHTER X RONGEUR**

Total length / Gesamtlänge: 180 mm  
 Detachable / Zerlegbar

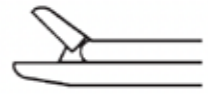

JAW WIDTH MAULBREITE mm					
	RICHTER	RICHTER X	X with lock * X mit Riegel *	RICHTER	RICHTER X
1	NKR-2	NKR-2X	NKR-2Y	NKR-4	NKR-4X
1.5	NKR-1	NKR-1X	NKR-1Y	NKR-3	NKR-3X

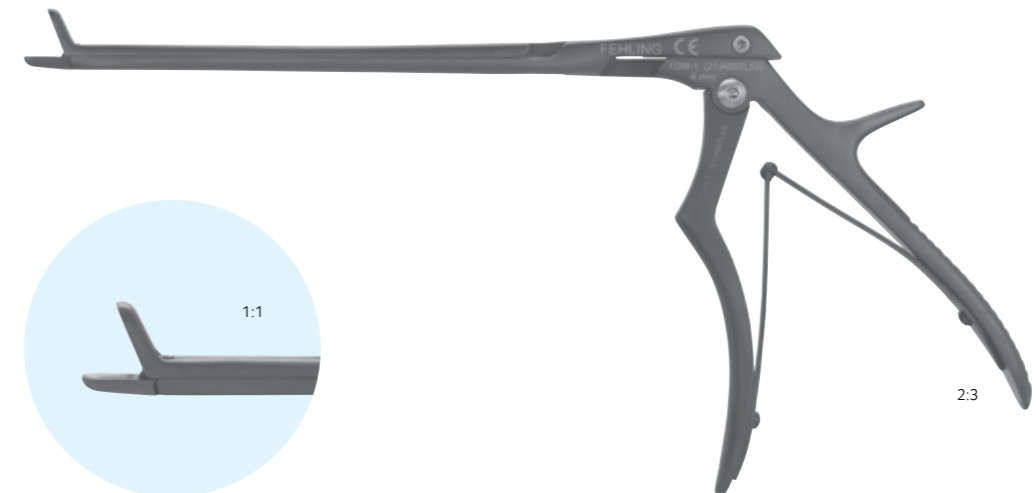
\* For protection against unintentional opening  
 \* Zum Schutz vor ungewolltem Öffnen



**CERAMO® LARGE-JAW-X-RONGEUR |**  
**CERAMO® BREITMAUL-X-RONGEUR**

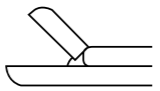

Detachable / Zerlegbar

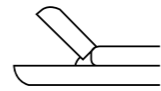

JAW WIDTH MAULBREITE mm	LENGTH LÄNGE mm			
		LARGE JAW / BREITMAUL		LARGE JAW-X / BREITMAUL-X
10	200	TOV-1	TOV-1X	TOV-3X
12	200	TOV-2	TOV-2X	TOV-4X



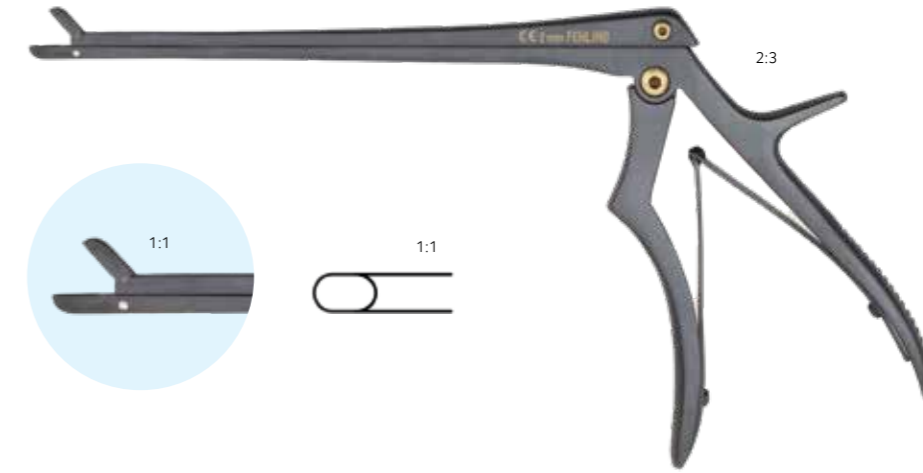
**CERAMO® FERRIS-SMITH AND FERRIS-SMITH X RONGEURS |**  
**CERAMO® FERRIS-SMITH UND FERRIS-SMITH X RONGEURS**

Ferris-Smith X is detachable.  
 Ferris-Smith X ist zerlegbar.

JAW WIDTH MAULBREITE mm	LENGTH LÄNGE mm				
		FERRIS-SMITH	FERRIS-SMITH X	FERRIS-SMITH	FERRIS-SMITH X
2.0	180	TOC-0	TOC-0X	TOF-0	TOF-0X
	200	TOG-0	TOG-0X	TOH-0	TOH-0X
	250	TOI-0	TOI-0X	TOJ-0	TOJ-0X
	300	TOK-0	TOK-0X	TON-0	TON-0X
2.5	200	TOG-7	TOG-7X		
3.0	180	TOC-1	TOC-1X	TOF-1	TOF-1X
	200	TOG-1	TOG-1X	TOH-1	TOH-1X
	250	TOI-1	TOI-1X	TOJ-1	TOJ-1X
	300	TOK-1	TOK-1X	TON-1	TON-1X
	400	TOO-3	TOO-3X	TOO-8	TOO-8X
3.5	200	TOG-8	TOG-8X		
4.0	180	TOC-2	TOC-2X	TOF-2	TOF-2X
	200	TOG-2	TOG-2X	TOH-2	TOH-2X
	250	TOI-2	TOI-2X	TOJ-2	TOJ-2X
	300	TOK-2	TOK-2X	TON-2	TON-2X
5.0	180	TOC-3	TOC-3X	TOF-3	TOF-3X
	200	TOG-3	TOG-3X	TOH-3	TOH-3X
	250	TOI-3	TOI-3X	TOJ-3	TOJ-3X
	300	TOK-3	TOK-3X	TON-3	TON-3X
6.0	180	TOC-4	TOC-4X	TOF-4	TOF-4X
	200	TOG-4	TOG-4X	TOH-4	TOH-4X
	250	TOI-4	TOI-4X	TOJ-4	TOJ-4X
	300	TOK-4	TOK-4X	TON-4	TON-4X
7.0	180	TOC-5	TOC-5X	TOF-5	TOF-5X
	200	TOG-5	TOG-5X	TOH-5	TOH-5X
	250	TOI-5	TOI-5X	TOJ-5	TOJ-5X
	300	TOK-5	TOK-5X	TON-5	TON-5X
8.0	180	TOC-6	TOC-6X	TOF-6	TOF-6X
	200	TOG-6	TOG-6X	TOH-6	TOH-6X
	250	TOI-6	TOI-6X	TOJ-6	TOJ-6X
	300	TOK-6	TOK-6X	TON-6	TON-6X

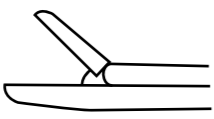
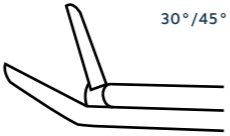
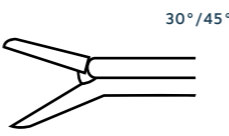
JAW WIDTH MAULBREITE mm	LENGTH LÄNGE mm				
		FERRIS-SMITH	FERRIS-SMITH X	FERRIS-SMITH	FERRIS-SMITH X
6.0	180	TOC-4	TOC-4X	TOF-4	TOF-4X
	200	TOG-4	TOG-4X	TOH-4	TOH-4X
	250	TOI-4	TOI-4X	TOJ-4	TOJ-4X
	300	TOK-4	TOK-4X	TON-4	TON-4X
7.0	180	TOC-5	TOC-5X	TOF-5	TOF-5X
	200	TOG-5	TOG-5X	TOH-5	TOH-5X
	250	TOI-5	TOI-5X	TOJ-5	TOJ-5X
	300	TOK-5	TOK-5X	TON-5	TON-5X
8.0	180	TOC-6	TOC-6X	TOF-6	TOF-6X
	200	TOG-6	TOG-6X	TOH-6	TOH-6X
	250	TOI-6	TOI-6X	TOJ-6	TOJ-6X
	300	TOK-6	TOK-6X	TON-6	TON-6X

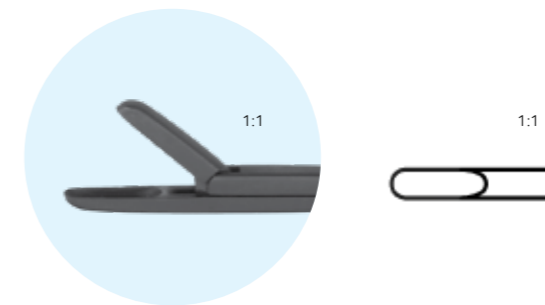
All rongeurs with length 300 and 400 mm are graduated.  
 Alle Rongeurs in den Längen 300 und 400 mm sind graduert.



**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						
		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 Rongeur in den Längen 300 und 400 mm sind graduert.

**CERAMO® WEIL-BLAKESLEY AND WEIL-BLAKESLEY X RONGEURS |**  
**CERAMO® WEIL-BLAKESLEY UND WEIL-BLAKESLEY X RONGEURE**

Weil-Blakesley X is detachable.  
 Weil-Blakesley X ist zerlegbar.

JAW WIDTH MAULBREITE mm	LENGTH LÄNGE mm						
		WEIL-BLAKESLEY	WEIL-BLAKESLEY X	WEIL-BLAKESLEY	WEIL-BLAKESLEY X	WEIL-BLAKESLEY	WEIL-BLAKESLEY X
2.5	130	NMA-2	NMA-2X		NMB-2X		NMC-2X
	160	NMD-2	NMD-2X	NME-2	NME-2X	NMF-2	NMF-2X
3.0	130	NMA-3	NMA-3X	NMB-3	NMB-3X	NMC-3	NMC-3X
	160	NMD-3	NMD-3X	NME-3	NME-3X	NMF-3	NMF-3X
4.0	130	NMA-4	NMA-4X		NMB-4X		NMC-4X
	160	NMD-4	NMD-4X	NME-4	NME-4X	NMF-4	NMF-4X
5.0	130		NMA-5X		NMB-5X		NMC-5X
	160	NMD-5	NMD-5X	NME-5	NME-5X	NMF-5	NMF-5X
6.0	130		NMA-6X		NMB-6X		NMC-6X
	160	NMD-6	NMD-6X		NME-6X		NMF-6X



**CERAMO® CASPAR AND CASPAR X RONGEURS |**  
**CERAMO® CASPAR UND CASPAR X RONGEURE**

Caspar X is detachable.  
 Caspar X ist zerlegbar.

JAW WIDTH MAULBREITE mm	LENGTH LÄNGE mm						
		CASPAR	CASPAR X	CASPAR	CASPAR X	CASPAR	CASPAR X
2.0	160	NMG-1	NMG-1X	NMH-1	NMH-1X	NMI-1	NMI-1X
	180	NMG-0	NMG-0X	NMH-0	NMH-0X	NMI-0	NMI-0X
2.5	160	NMG-2	NMG-2X	NMH-2	NMH-2X		NMI-2X
	180	NMG-6	NMG-6X	NMH-6	NMH-6X		NMI-6X
3.0	160	NMG-3	NMG-3X	NMH-3	NMH-3X	NMI-3	NMI-3X
	180	NMG-7	NMG-7X	NMH-7	NMH-7X	NMI-7	NMI-7X
4.0	160	NMG-4	NMG-4X	NMH-4	NMH-4X		NMI-4X
	180	NMG-8	NMG-8X	NMH-8	NMH-8X	NMI-8	NMI-8X
5.0	160	NMG-5	NMG-5X	NMH-5	NMH-5X		NMI-5X
	180	NMG-9	NMG-9X	NMH-9	NMH-9X	NMI-9	NMI-9X



**CERAMO® BRODNER RONGEUR |**  
**CERAMO® BRODNER RONGEURE**

Upward / Aufgebogen  
 67.5 °

JAW WIDTH MAULBREITE mm	LENGTH LÄNGE mm	ART. NUMBER
2.0	200	TOW-2
	300	TOW-4
	400	TOW-5
3.0	200	TOW-3
	300	TOW-6
	400	TOW-7
4.0	200	TOW-1
	300	TOW-8
	400	TOW-9

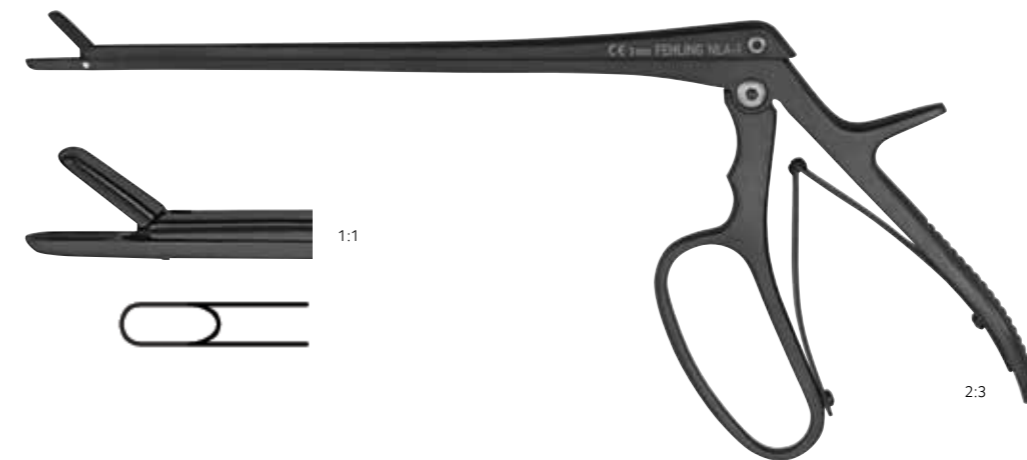


**CERAMO® FIST AND FIST X RONGEURS |**  
**CERAMO® FIST UND FIST X RONGEURE**

Fist X is detachable.  
 Fist X ist zerlegbar.

JAW WIDTH MAULBREITE mm	LENGTH LÄNGE mm	30° / 45°		30° / 45°	
		FIST	FIST X	FIST X	FIST X
3.0	200	NLA-1	NLA-1X	NLB-5X	NLD-1X
	300	NLA-5	NLA-5X		
	400			NLC-5X	NLE-1X
4.0	200	NLA-2	NLA-2X	NLB-6X	NLD-2X
	300	NLA-6	NLA-6X	NLC-2X	NLD-6X
	400		NLB-2X	NLC-6X	NLE-2X
5.0	200	NLA-3	NLA-3X	NLB-7X	NLD-3X
	300	NLA-7	NLA-7X		NLD-7X
	400			NLC-7X	NLE-3X
6.0	200	NLA-4	NLA-4X	NLB-8X	NLD-4X
	300	NLA-8	NLA-8X	NLC-4X	NLD-8X
	400			NLC-8X	NLE-4X

All rongeurs with length 300 and 400 mm are calibrated.  
 Alle Rongeure in den Längen 300 und 400 mm sind graduiert.



**ENDOSCOPIC GRASPING FORCEPS |**  
**ENDOSKOPISCHE FASSZANGE**

2.7 x 250 mm  
 NEV-1






**STERILE SINGLE USE OSTEO BIOPTOME |**  
**STERILES EINMAL-OSTEOBIOPTOM**

3 x 200 mm  
 NKS-6



**CERAMO® BÖHLER BONE RONGEURS |**  
**CERAMO® BÖHLER HOHLMEISSELZANGEN**


150 mm

	JAW WIDTH MAULBREITE mm	ART. NUMBER
	1.5	NKL-8
	3	NKA-1
	4	NKA-2



**CERAMO® BÖHLER BONE RONGEURS |**  
**CERAMO® BÖHLER HOHLMEISSELZANGEN**

150 mm

	JAW WIDTH MAULBREITE mm	ART. NUMBER
	2	NKA-3

**CERAMO® BEYER BONE RONGEURS |**  
**CERAMO® BEYER HOHLMEISSELZANGEN**

180 mm, 3 mm  
 NKA-5



**CERAMO® ZAUFAL-JANSEN BONE RONGEURS |**  
**CERAMO® ZAUFAL-JANSEN HOHLMEISSELZANGEN**

180 mm, 4 mm  
 NKA-6



**CERAMO® MARQUARDT BONE RONGEURS |**  
**CERAMO® MARQUARDT HOHLMEISSELZANGEN**

200 mm

	JAW WIDTH MAULBREITE mm	ART. NUMBER
	2	NKA-8
	3	NKA-9



**CERAMO® RUSKIN BONE RONGEURS |**  
**CERAMO® RUSKIN HOHLMEISSELZANGEN**

190 mm, 5 mm  
 NKA-7





**CERAMO® RUSKIN BONE RONGEURS |**  
**CERAMO® RUSKIN HOHLMEISSELZANGEN**

230 mm, 7 mm  
 NKB-7

**CERAMO® SMITH-PETERSEN BONE RONGEURS** | CERAMO® SMITH-PETERSEN HOHLMEISSELZANGEN

240 mm

	JAW WIDTH MAULBREITE mm	ART. NUMBER
	3	NKB-1
	4	NKB-2
	5	NKB-3





**CERAMO® STILLE-RUSKIN BONE RONGEURS** | CERAMO® STILLE-RUSKIN HOHLMEISSELZANGEN

230 mm, 8 mm  
NKB-8



**CERAMO® SMITH-PETERSEN BONE RONGEURS** | CERAMO® SMITH-PETERSEN HOHLMEISSELZANGEN

240 mm

	JAW WIDTH MAULBREITE mm	ART. NUMBER
	3	NKB-4
	5	NKB-6



**CERAMO® LUER-STILLE BONE RONGEURS** | CERAMO® LUER-STILLE HOHLMEISSELZANGEN

220 mm, 10 mm

ART. NUMBER	
NKC-1	NKC-2

**CERAMO® SEMB BONE RONGEURS | CERAMO® SEMB HOHLMEISSELZANGEN**

230 mm, 17 mm  
NKC-3






**CERAMO® LUER-STILLE BONE RONGEURS | CERAMO® LUER-STILLE HOHLMEISSELZANGEN**

270 mm, 10 mm  
NKC-4







**CERAMO® MEGA-LUER BONE RONGEURS | CERAMO® MEGA-LUER HOHLMEISSELZANGEN**

400 mm

	JAW WIDTH MAULBREITE mm	ART. NUMBER
	3	NKC-7
	5	NKC-8
	8	NKC-9

**CERAMO® STILLE BONE RONGEURS | CERAMO® STILLE HOHLMEISSELZANGEN**




230 mm

	JAW WIDTH MAULBREITE mm	ART. NUMBER
	3	NKD-2
	4	NKD-3
	6	NKD-4
	8	NKD-5



**CERAMO® LEKSELL BONE RONGEURS |**  
**CERAMO® LEKSELL HOHLMEISSELZANGEN**

230 mm

	JAW WIDTH MAULBREITE mm	ART. NUMBER
	4	NKD-7
	6	NKD-8
	8	NKD-9



1:2

**CERAMO® BÖHLER BONE CUTTING  
 FORCEPS | CERAMO® BÖHLER  
 KNOCHENSPLITTERZANGEN**

150 mm

NKK-1




1:1

1:2

**CERAMO® LEKSELL BONE RONGEURS |**  
**CERAMO® LEKSELL HOHLMEISSELZANGEN**

230 mm

	JAW WIDTH MAULBREITE mm	ART. NUMBER
	4	NKF-7



1:2



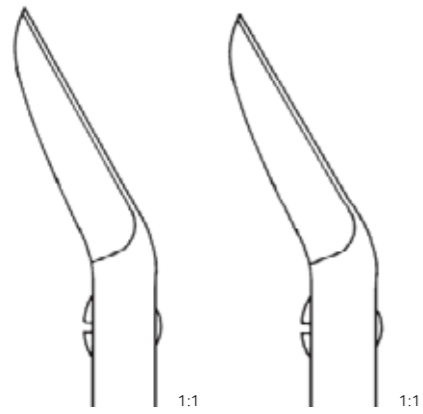
1:1

1:2

**CERAMO® RUSKIN-LISTON  
 BONE CUTTING FORCEPS |**  
**CERAMO® RUSKIN-LISTON  
 KNOCHENSPLITTERZANGEN**

190 mm

NKK-4



**CERAMO® LISTON BONE CUTTING FORCEPS** | CERAMO® LISTON  
KNOCHENSPLITTERZANGEN

TOTAL LENGTH GESAMTLÄNGE mm	ART. NUMBER
235	NKK-5
275	NKK-6

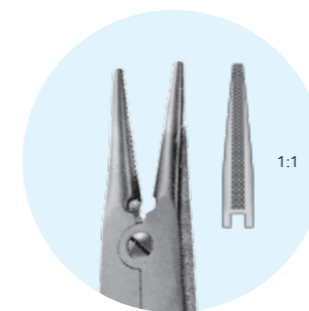


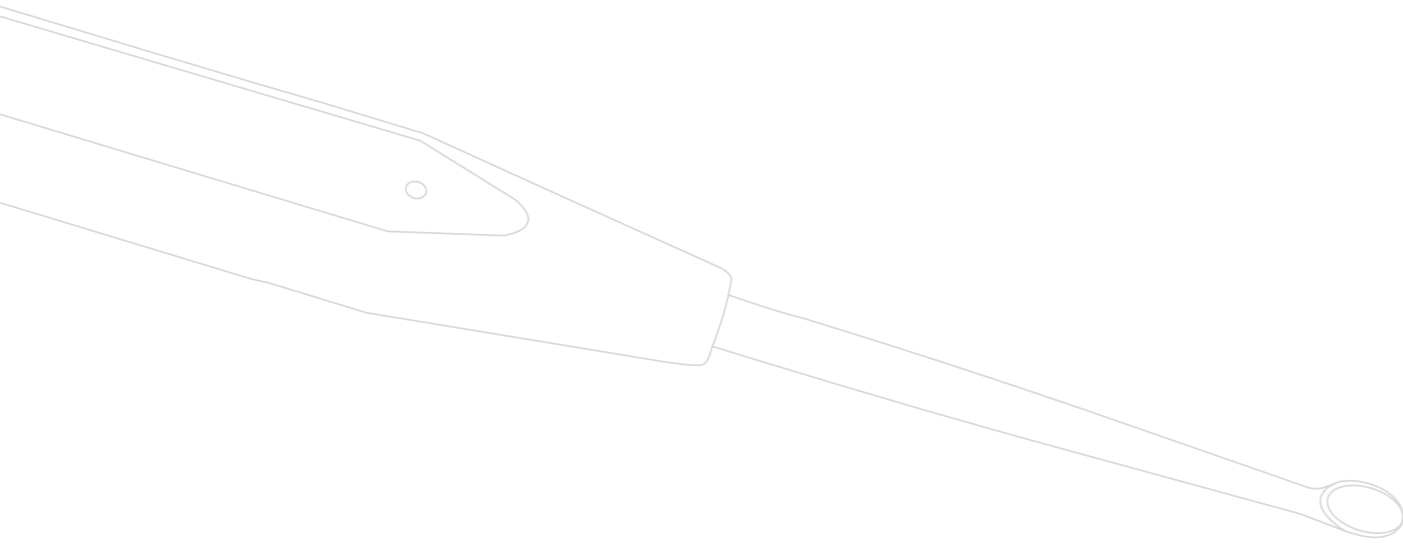
**WIRE EXTRACTION PLIER** |  
DRAHTAUSZUGSZANGE

LENGTH / LÄNGE mm	EXTRA DELICATE EXTRA FEIN	DELICATE FEIN	LARGE BREIT
150	LAE-6		LAE-8
180		LAE-7	

**ROUND PLIERS** |  
RUNDZANGE

180 mm  
LAH-7

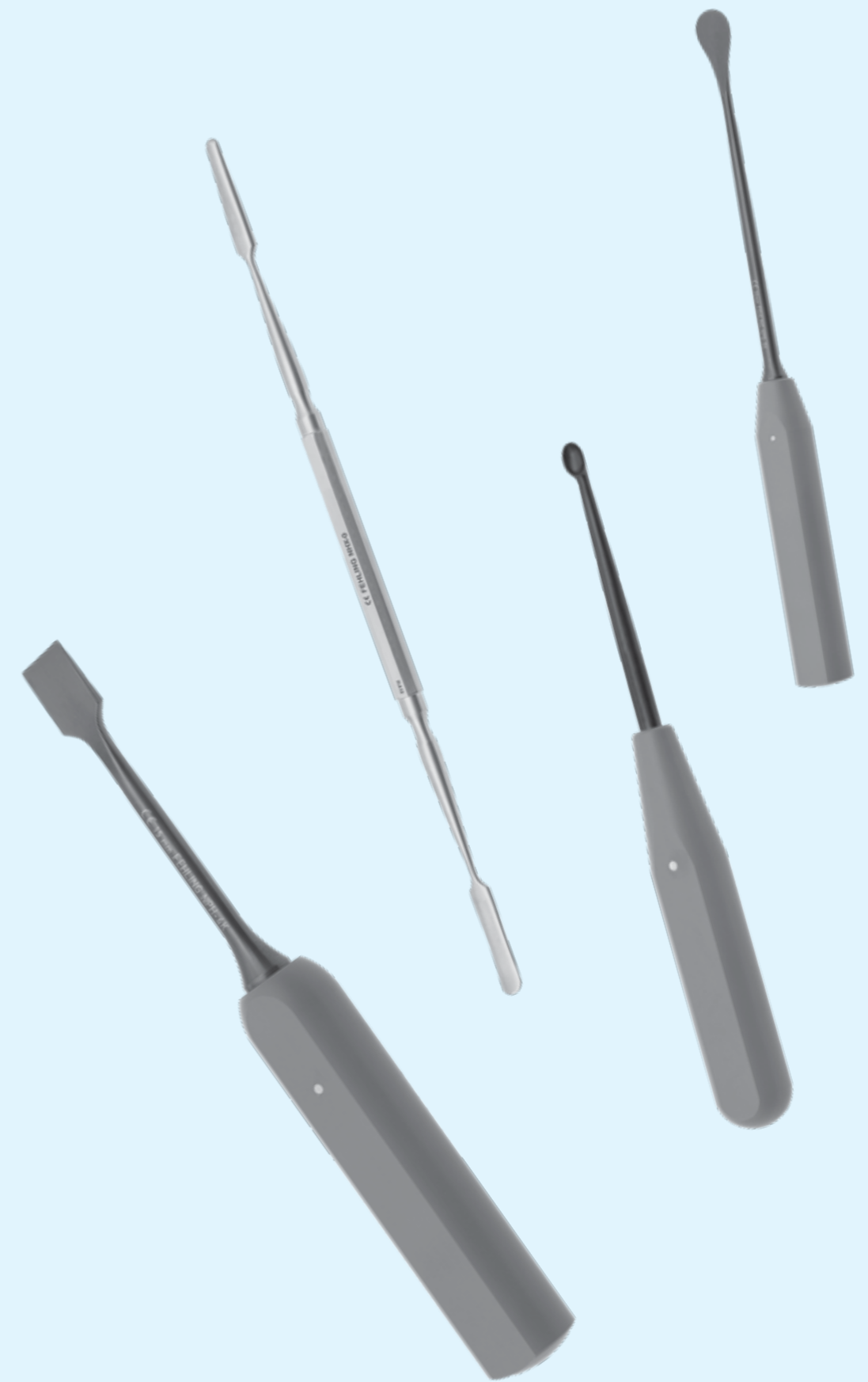
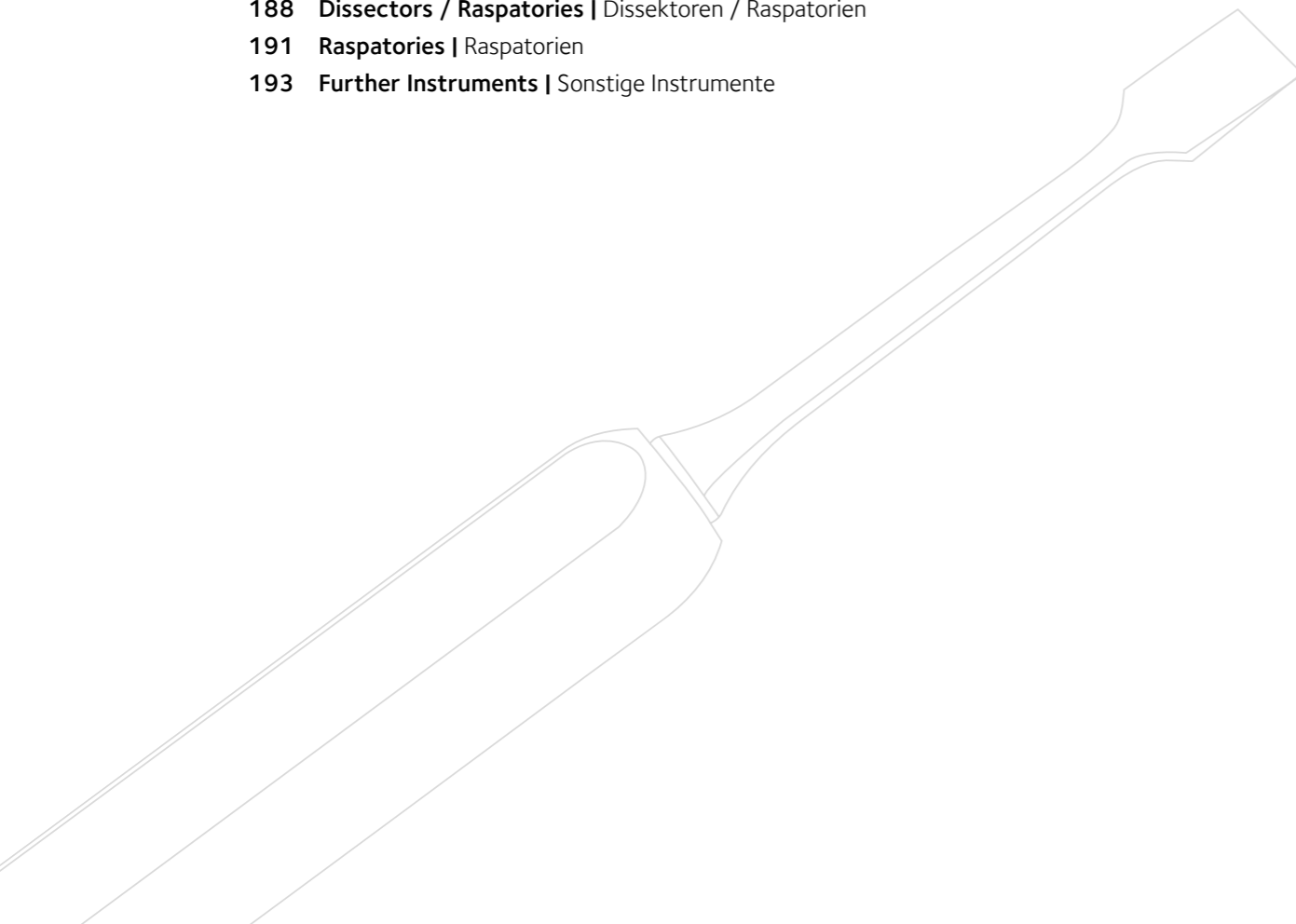




## CHISELS, CURETTES, RASPATORIES AND DISSECTORS

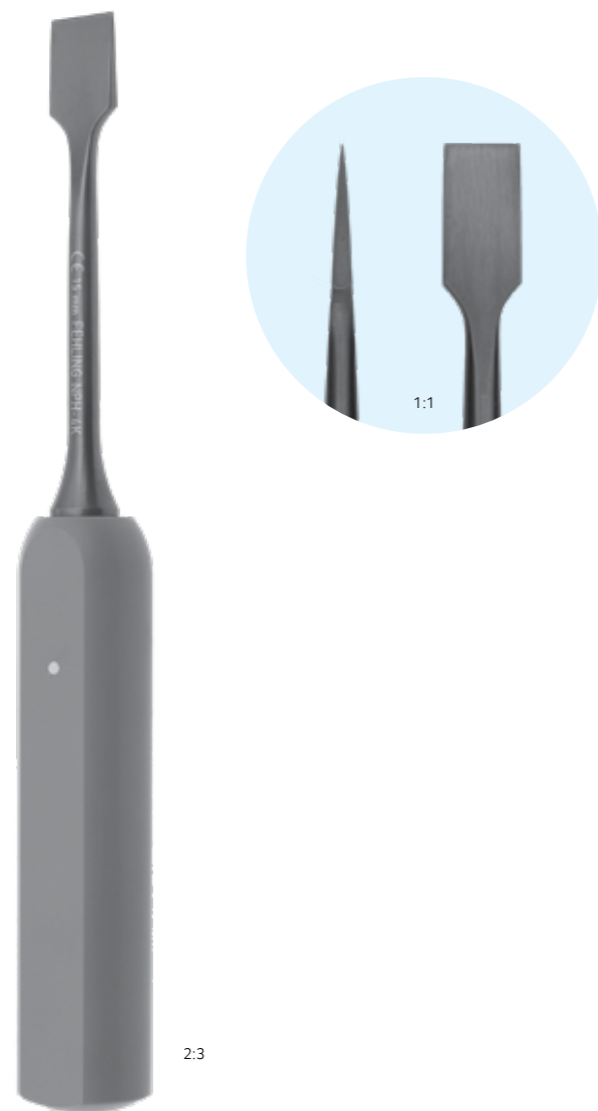
MEISSEL, SCHARFER LÖFFEL, RASPATORIEN UND DISSEKTOREN

- 184 **Chisels** | Meissel
- 186 **Bone Currettes** | Scharfer Löffel
- 188 **Dissectors / Raspatories** | Dissektoren / Raspatorien
- 191 **Raspatories** | Raspatorien
- 193 **Further Instruments** | Sonstige Instrumente



**CERAMO® LEXER FLAT CHISELS |**  
**CERAMO® LEXER FLACHMEISSEL**

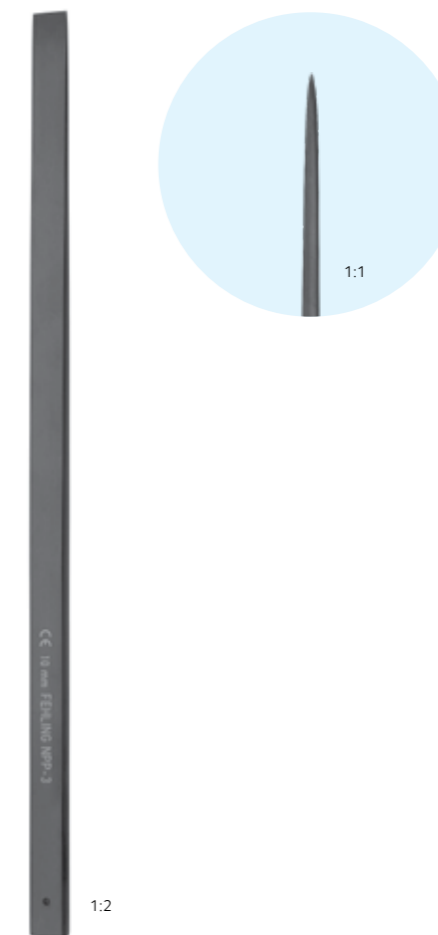
WIDTH BREITE	220 MM
5 mm	NPH-1K





Handles made of propylux / Griffmaterial = Propylux

**CERAMO® LAMBOTTE CHISELS |**  
**CERAMO® LAMBOTTE MEISSEL**

WIDTH BREITE	250 MM
8 mm	NPP-2
18 mm	NPP-6
25 mm	NPP-8



**CERAMO® BONE CURETTES |**  
**CERAMO® SCHARFER LÖFFEL**

	
STRAIGHT GERADE	
SIZE FIGUR	L = 360 mm a = 160 mm
 o	NRE-3K



1:2

Handles made of propylux / Griffmaterial = Propylux

**CERAMO® BONE CURETTES |**  
**CERAMO® SCHARFER LÖFFEL**

	
STRAIGHT GERADE	
SIZE FIGUR	L = 200 mm a = 115 mm
o000	NPM-1K



2:3

Handles made of propylux / Griffmaterial = Propylux

**FREER DOUBLE ENDED RASPATORY |**  
FREER DOPPELRASPATORIUM

195 mm  
NRH-3



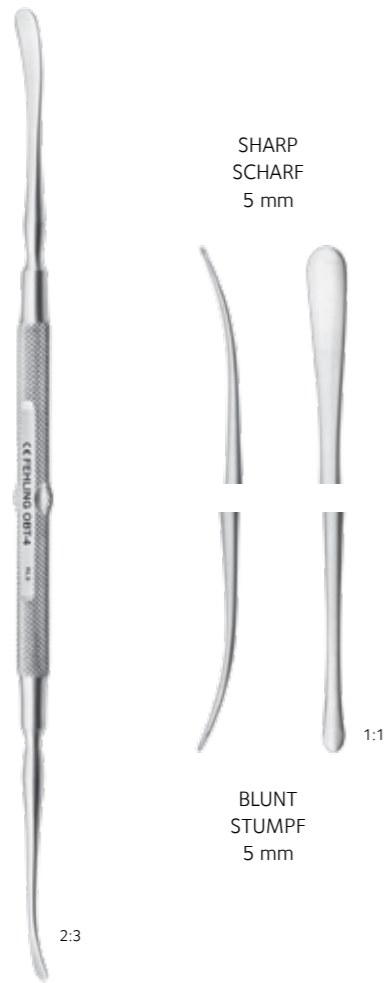
**FREER/YASARGIL DOUBLE ENDED RASPATORY |**  
FREER/YASARGIL DOPPELRASPATORIUM

185 mm  
NRH-4



**FREER ELEVATOR |**  
FREER ELEVATORIUM

200 mm  
OBT-4



SHARP  
SCHARF  
5 mm

BLUNT  
STUMPF  
5 mm

2:3

1:1

**EVERHARDT DISSECTOR |**  
EVERHARDT DISSEKTOR

230 mm  
NHX-0



SHARP  
SCHARF  
30 x 3 mm

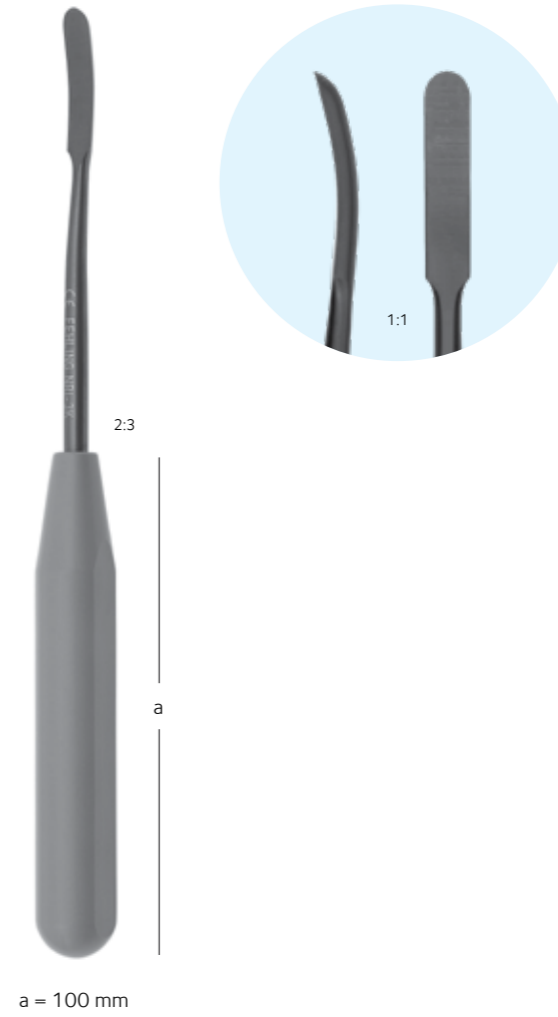
BLUNT  
STUMPF  
30 x 6 mm

2:3

1:1

**CERAMO® RASPATORIES |**  
CERAMO® RASPATORIEN

6 x 190 mm  
NRI-3K



2:3

1:1

a

a = 100 mm

Handles made of propylux / Griffmaterial = Propylux

**CERAMO® COBB RASPATORIES |**  
 CERAMO® COBB RASPATORIEN

SIZE FIGUR	L = 360 mm a = 160 mm
 <p>14 MM</p>	NPB-7K

L = Total length / Gesamtlänge



Handles made of propylux / Griffmaterial = Propylux

**FOUREDGED AWL |**  
 VIERKANT-PFRIEM

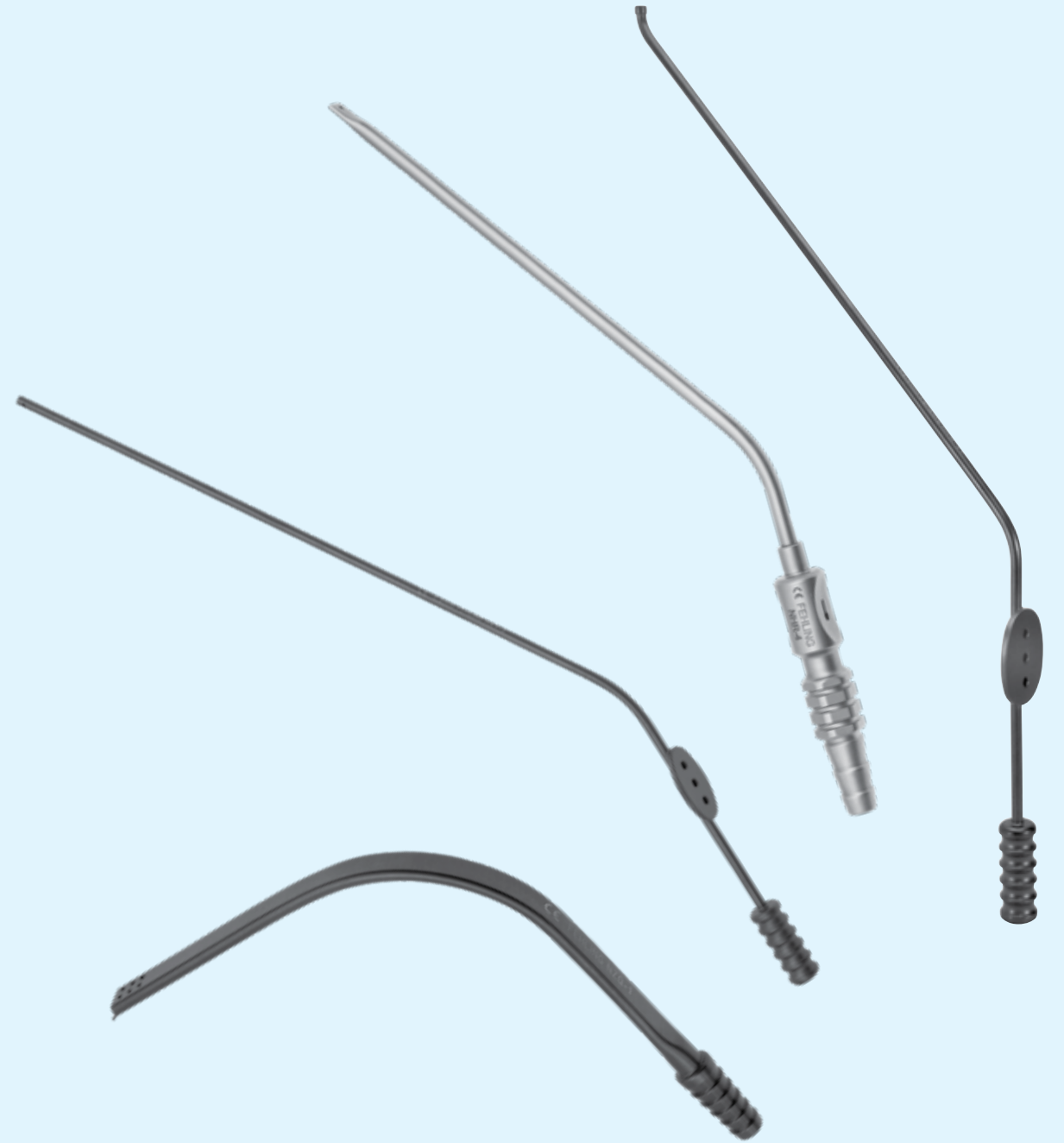
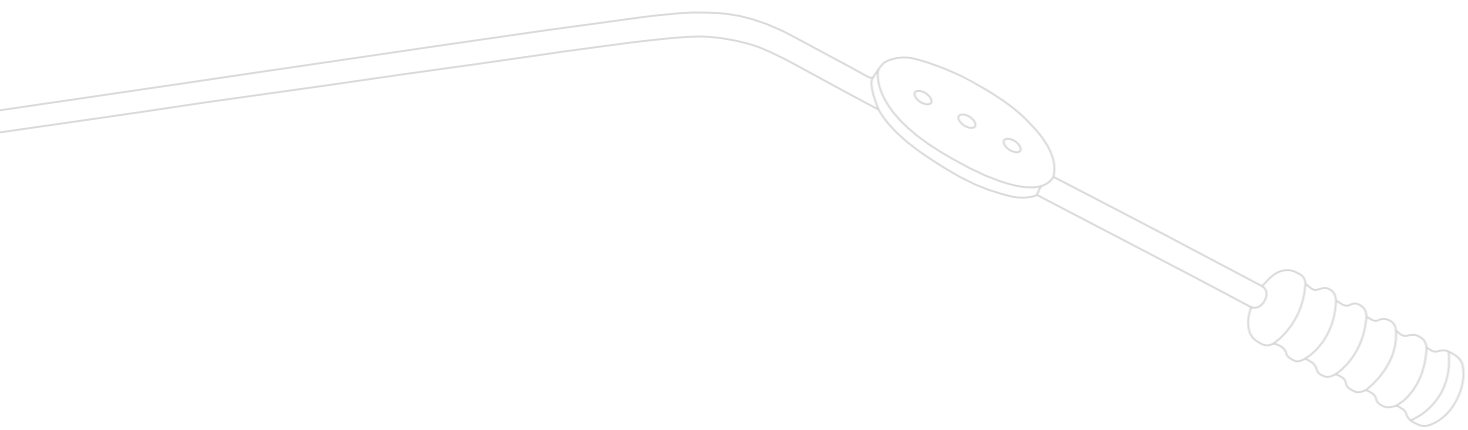
LAC-8  
 140 mm





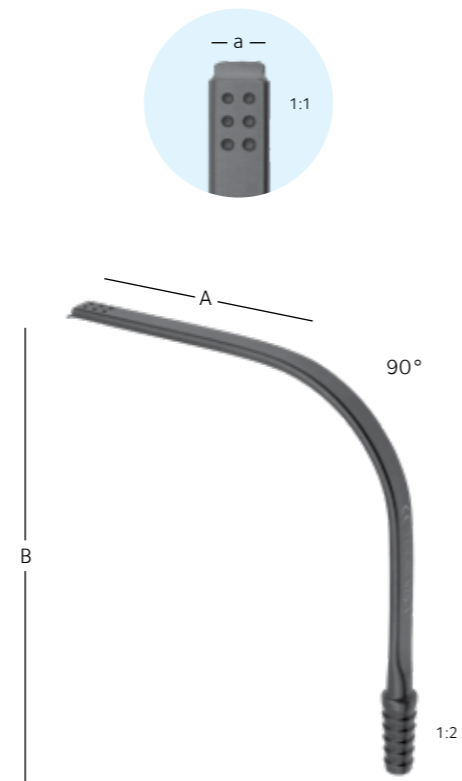
## SUCTION INSTRUMENTS

SAUGINSTRUMENTE



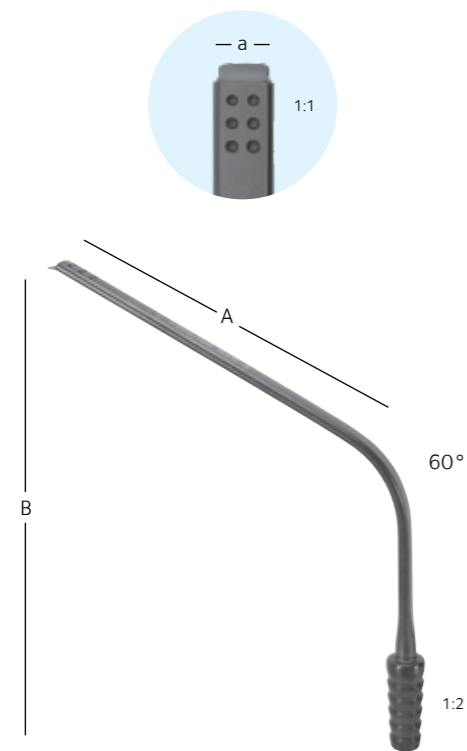
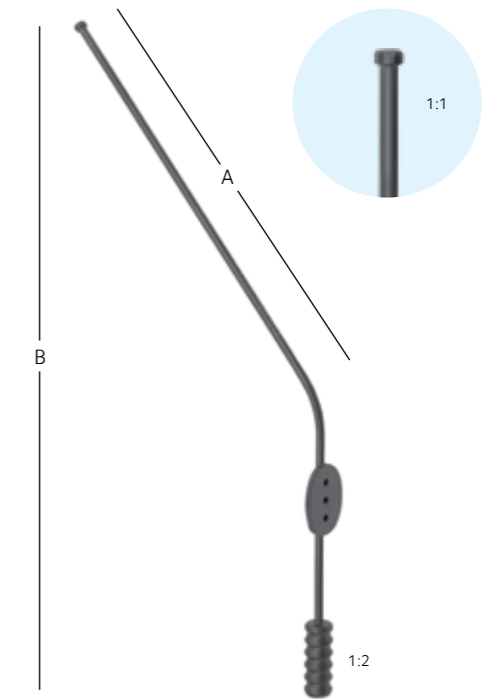
**CERAMO® SUCTION NERVE ROOT RETRACTOR |**  
**CERAMO® SAUG-NERVWURZELHAKEN**

WIDTH BREITE a	LENGTH / LÄNGE A / B	
	95 / 135 mm	175 / 210 mm
6 mm	NZQ-2	
8 mm		NZR-2



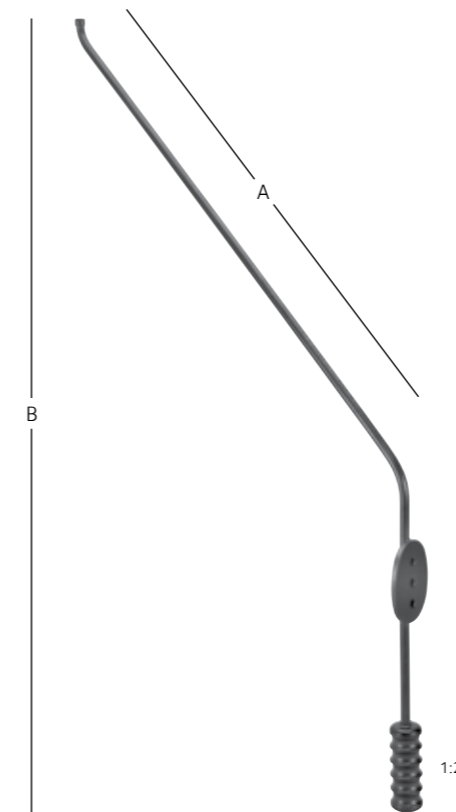
**CERAMO® SCHICK CEREBRAL SUCTION TUBE |**  
**CERAMO® SCHICK CEREBRALSAUGER**

Ø TUBE ROHR	LENGTH / LÄNGE A / B	
	130 / 180 mm	170 / 210 mm
2.5 mm	HAV-7V	HAV-8V
3 mm	HAV-9V	HAV-0V



**CERAMO® SUCTION NERVE  
 ROOT RETRACTOR | CERAMO®  
 SAUG-NERVWURZELHAKEN**

WIDTH BREITE a	LENGTH / LÄNGE A / B
	175 / 260 mm
6 mm	NZR-5
8 mm	NZR-4

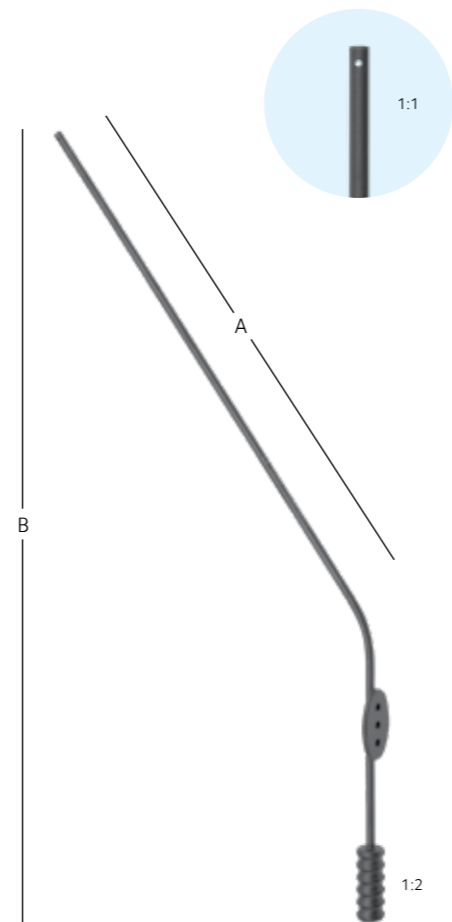


**CERAMO® SCHICK CEREBRAL SUCTION TUBE |**  
**CERAMO® SCHICK CEREBRALSAUGER**

Ø TUBE ROHR	45°	60°	45°	60°
	2.5 mm	HAW-5V		HAW-6V
3 mm		HBA-3V		HBA-4V

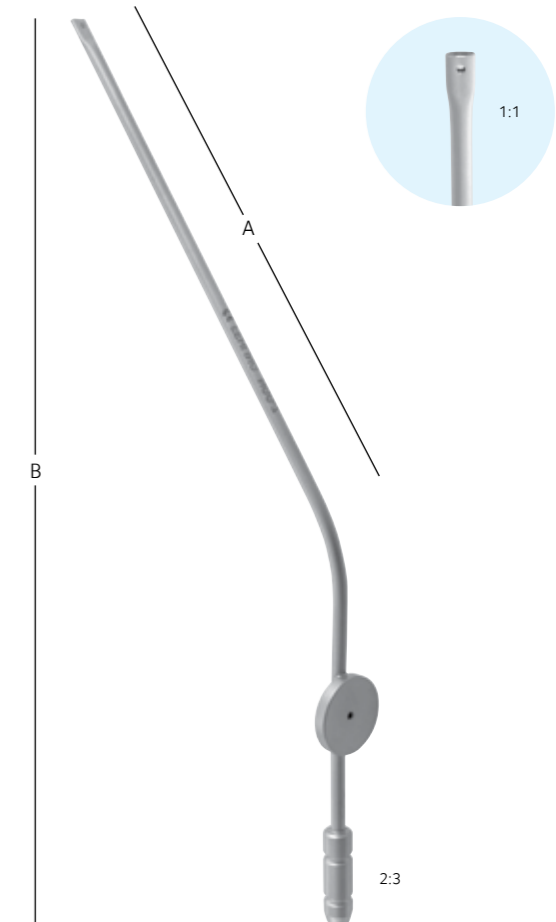
**CERAMO® SCHICK MICRO SUCTION TUBE |**  
**CERAMO® SCHICK MIKROSAUGER**

Ø TUBE ROHR	LENGTH / LÄNGE A / B	
	130 / 180 mm	170 / 210 mm
1.5 mm		HAV-6
2.5 mm	HAV-1	HAV-2
3 mm	HAV-3	HAV-4



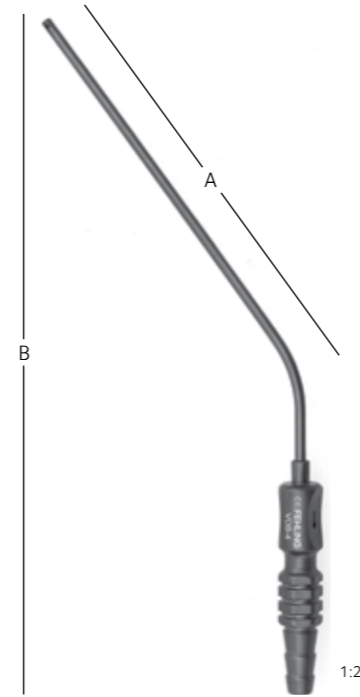
**SUCTION INSTRUMENT WITH  
 FINGER CUT OFF | SAUGER MIT  
 SAUGUNTERBRECHUNG**

Ø TUBE ROHR	ART. NUMBER
3 mm	NGG-9
4 mm	NGS-6



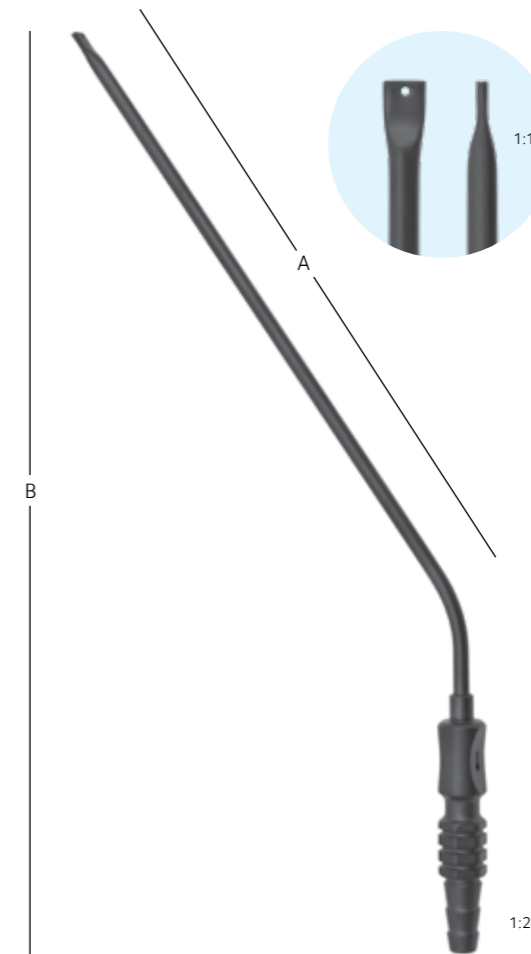
**CERAMO® FRAZIER SUCTION INSTRUMENT |**  
**CERAMO® FRAZIER SAUGINSTRUMENTE**

Ø TUBE ROHR	LENGTH / LÄNGE A / B	
	115 / 180 mm	145 / 200 mm
2 mm	VOB-2	VOC-2
2.5 mm		VOC-3
3 mm	VOB-4	VOC-4
4 mm	VOB-5	VOC-5
5 mm	VOB-6	VOC-6



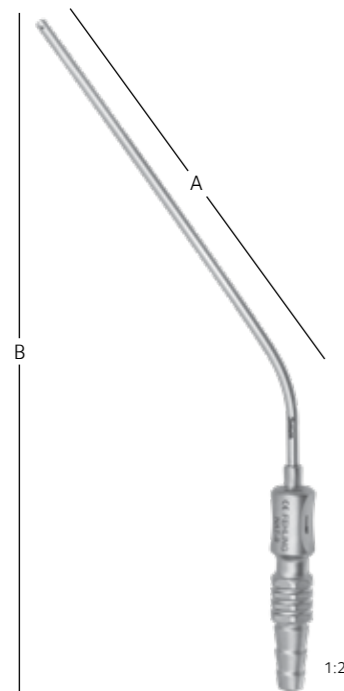
**CERAMO® KINTZEL DISSECTION CANNULAS |**  
**CERAMO® KINTZEL DISSEKTIONSSAUGER**

Ø TUBE ROHR	LENGTH / LÄNGE A / B	ART. NUMBER
3 mm	125 / 190 mm	HAP-5
4 mm	175 / 245 mm	HAP-4



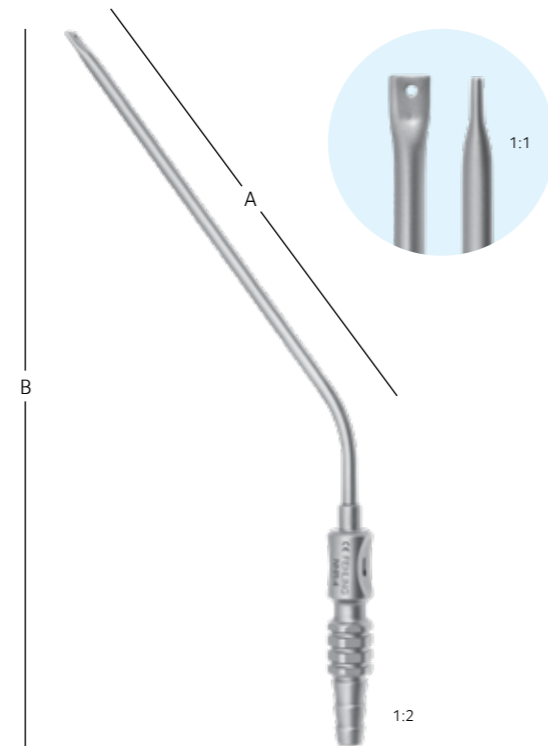
**CERAMO® UNCOATED SUCTION INSTRUMENT |**  
**CERAMO® UNBESCHICHTET SAUGINSTRUMENTE**

Ø TUBE ROHR	LENGTH / LÄNGE A / B	
	115 / 180 mm	145 / 200 mm
2 mm	NAT-7	
2.5 mm	NAT-8	HAR-0
3 mm	NAT-9	
4 mm	NAU-1	
5 mm	NAU-2	



DISSECTION CANNULAS | DISSEKTIONSSAUGER

Ø TUBE ROHR	LENGTH / LÄNGE A / B	ART. NUMBER
3 mm	110 / 170 mm	NHR-0
4 mm	140 / 210 mm	NHA-5

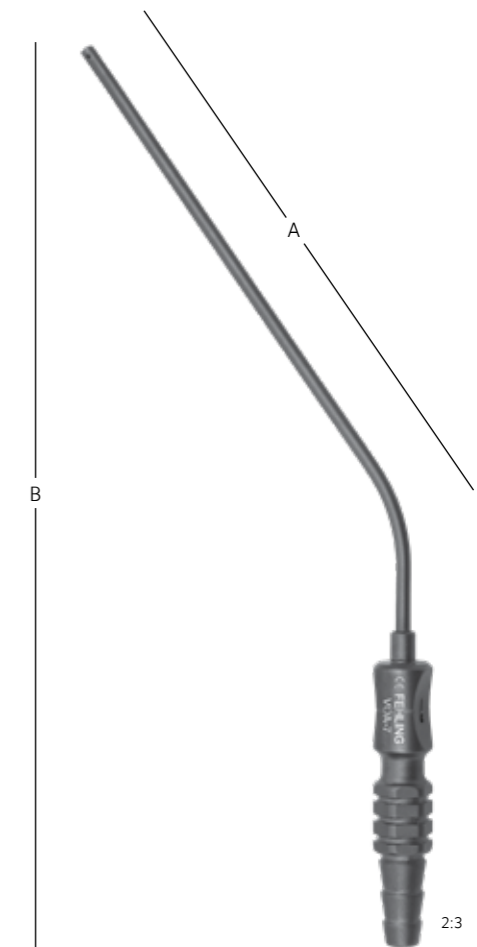


CERAMO® SUCTION CANNULA | CERAMO® SAUGKANÜLE

Malleable / Biegsam

Ø TUBE ROHR	LENGTH / LÄNGE A / B
	120 / 180 mm
1 mm	VOA-5G
3 mm	VOA-7

G version without distal false air hole  
G-Version ohne distale Falschlufthohlung



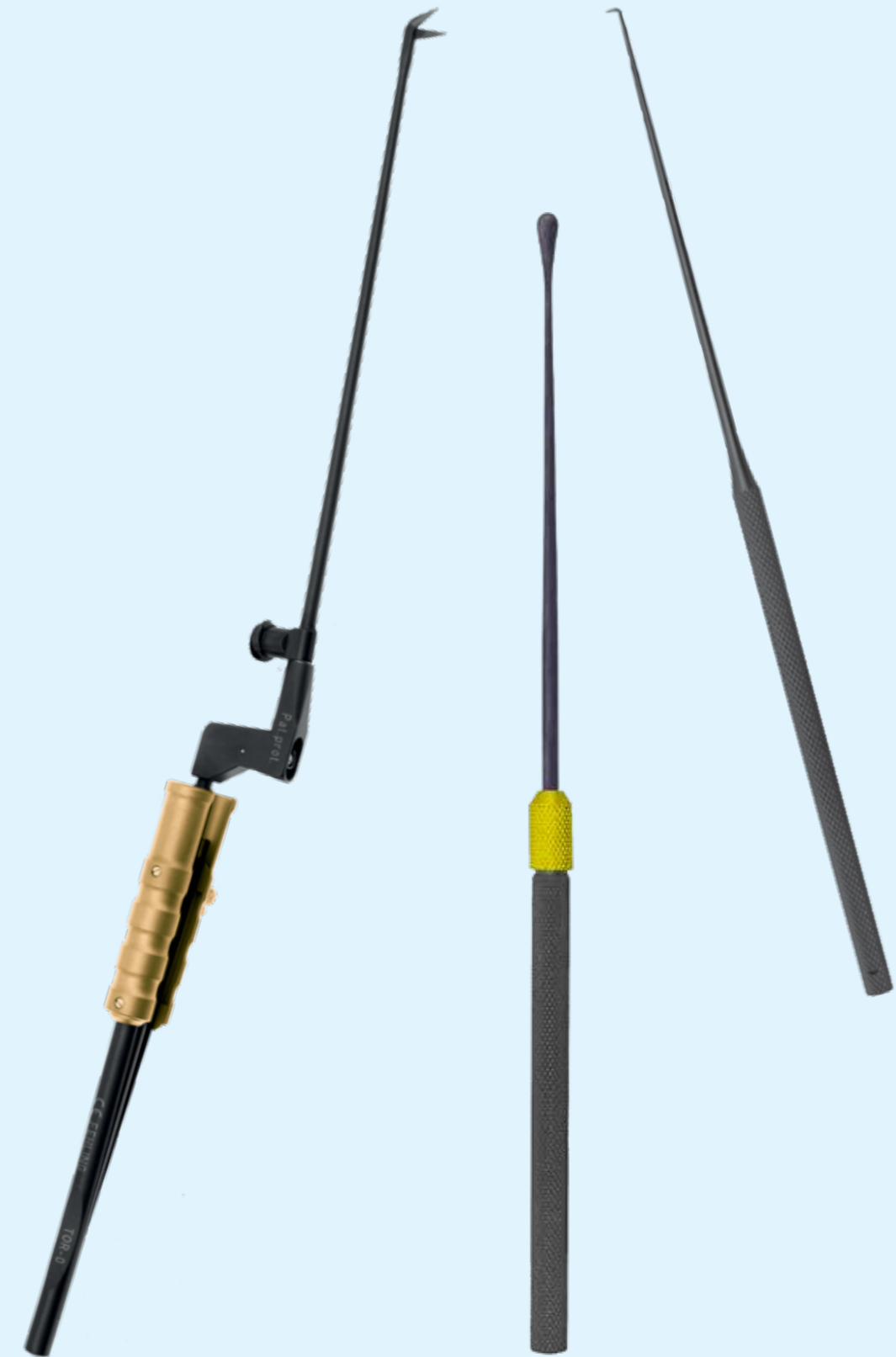
# MICRO DISSECTION INSTRUMENTS

MIKRO DISSEKTIONSINSTRUMENTE

206 **Dissecting Instruments** | Dissektionsinstrumente

214 **Micro Instruments** | Mikroinstrumente

218 **Spatulas** | Spatel



**CERAMO® FI MICRO SET**  
CERAMO® FI MIKRO SET

**STRAIGHT HANDLES |**  
GERADE HANDGRIFFE

ABB-1



1:2

**BAYONET HANDLES |**  
BAJONETT HANDGRIFFE

ABB-2



1:2






**STERILISATION AND STORAGE TRAY |**  
STERILISATIONS- UND AUFBEWAHRUNGSBOX

LENGTH x WIDTH LÄNGE x BREITE	ART. NUMBER
210 x 180 mm	NUM-0
210 x 230 mm	NVM-0



1:4

**CERAMO® SHAFT WITH MICRO RING |**  
CERAMO® SCHAFT MIT MIKRO-RING

		160 mm	210 mm
 Ring Curette / Ringkürette 90°	2 mm		NVM-1
	4 mm	NUM-2	NVM-2
	6 mm		NVM-3
 Ring Curette / Ringkürette 45°	2 mm	NUM-4	NVM-4
	4 mm	NUM-5	NVM-5
	6 mm		NVM-6
 Ring Curette / Ringkürette 45°	2 mm		NVM-7
	4 mm		NVM-8
 Ring Curette / Ringkürette 40°	6 mm	NUR-3	
 Ring Curette / Ringkürette 60°	4 mm		NVR-5







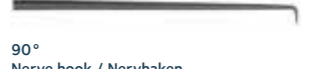
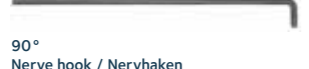


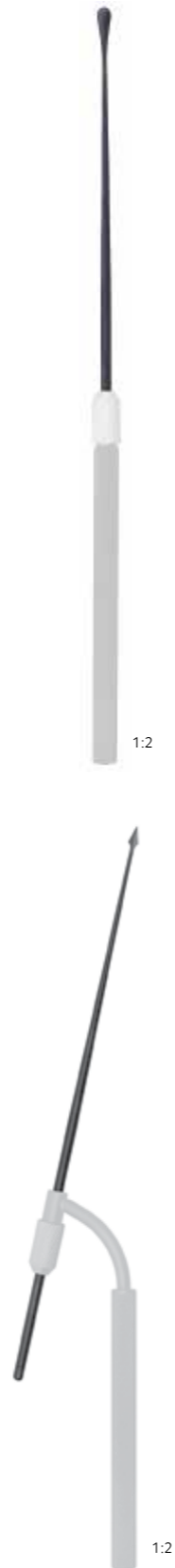
1:2

1:2



**CERAMO® FI MICRO SET**  
CERAMO® FI MIKRO SET

**CERAMO® SHAFT | CERAMO® SCHAFT**

		160 mm	210 mm
 Dissector / Dissektor Sharp / Scharf	1 mm	NUN-1	
	2 mm	NUN-2	
	3 mm		NVN-3
 Dissector / Dissektor Blunt / Stumpf	1 mm	NUN-4	
	2 mm	NUN-5	NVN-5
	3 mm		NVN-6
	4 mm		NVN-7
 Dissector / Dissektor Blunt / Stumpf	4 mm		NVN-8
 45° Bone curette / Scharfer Löffel	3 mm		NVO-2
 45° Nerve hook / Nervhaken	1 x 2 mm	NUT-4	
 90° Nerve hook / Nervhaken	1 x 2 mm		NVP-1
	1 x 3 mm	NUP-2	NVP-2
	1 x 8 mm		NVP-5
 90° Nerve hook / Nervhaken Semi sharp / Halbscharf	0.4 x 2 mm	NUP-7	NVP-7
	0.4 x 3 mm	NUP-8	
 90° Nerve hook / Nervhaken	1 x 3 mm	NUP-9	
	1 x 5 mm	NUS-1	
	1 x 8 mm	NUS-2	



**CERAMO® SHAFT | CERAMO® SCHAFT**









		160 mm	210 mm
 45° Disc knife / Tellermesser	3 mm	NUR-0	
	4 mm		NVT-3
 45° Disc dissector / Tellerdissektor Blunt / Stumpf	2 mm	NUT-7	
	4 mm	NUT-8	



CERAMO® MICDIS SET

CERAMO® SHAFT | CERAMO® SCHAFT

190 mm

 Dissector / Dissektor	2 mm	NTC-2
 Dissector / Dissektor	1 mm	NTC-6
	1.5 mm	NTC-7
	2 mm	NTC-8
 Elevator / Elevator	2.8 mm	NTC-4
 Hook / Häkchen Semi-sharp / Halbscharf	2 mm	NTC-9
 Hook / Häkchen Blunt / Stumpf	2 mm	NTD-1
 Hook / Häkchen Semi-sharp / Halbscharf	3 mm	NTD-2
 Bone curette / Scharfer Löffel	1 x 2 mm	NTD-4
 Nerve hook / Nervhaken	3 mm	NTD-6

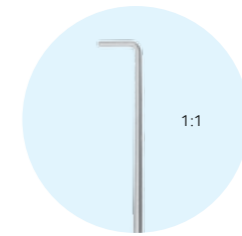


1:1

NERVE HOOK | NERVHAKEN

230 mm

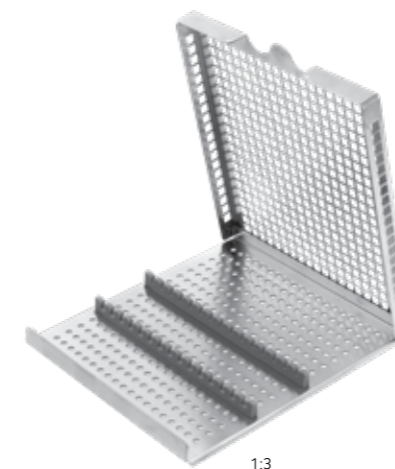
3 mm	NBP-4
5 mm	NBP-5
8 mm	NBP-6



1:1



1:2



1:3

STERILISATION AND STORAGE TRAY |  
STERILISATIONS- UND AUFBEWAHRUNGSBOX

LENGTH x WIDTH LÄNGE x BREITE	ART. NUMBER
210 x 230 x 20 mm	NBX-4



1:1

**DISSECTORS | DISSEKTOREN**

240 mm

	 2 mm	 4 mm	 3 x 5 mm
UP / AUF		NBA-1	NBJ-6
DOWN / AB	NAZ-7		
RIGHT / RECHTS			NBK-7
LEFT / LINKS			NBL-2

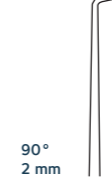



All models also available with CERAMO surface  
Alle Modelle auch mit CERAMO-Oberfläche erhältlich



1:1

**NERVE HOOKS | NERVHAKEN**

240 mm

	 90° 2 mm	 90° 2 mm	 90° 3 mm	 90° 3 mm
	Semi-sharp Halbscharf	Blunt Stumpf	Blunt Stumpf	Ballpointed Mit Knopf
UP / AUF	NBH-8	NBH-9	NBJ-5	NBJ-3

All models also available with CERAMO surface  
Alle Modelle auch mit CERAMO-Oberfläche erhältlich

**CERAMO® MICRO INSTRUMENTS |**  
**CERAMO® MIKROINSTRUMENTE**

Rotatable shaft / Drehbarer Schaft  
 260 mm

 Needle holder / Nadelhalter	0.5 mm	TOR-7
	1 mm	TOQ-1
 Needle holder / Nadelhalter	0.5 mm	TOR-8
	1 mm	TOQ-2
 Spoon pliers / Löffelzange	2 mm	TOQ-3
	4 mm	TOQ-4
 Spoon pliers / Löffelzange	2 mm	TOQ-5
 Scissors / Schere	Pointed / Spitz	TOR-1
	Blunt / Stumpf	TOR-3
 Scissors / Schere	Pointed / Spitz	TOR-2
	Blunt / Stumpf	TOR-4
 Scissors / Schere	45° Blunt / Stumpf	TOR-9
	Pointed / Spitz	TOR-0
 Scissors / Schere	90° Blunt / Stumpf	TOQ-0
 Forceps / Pinzette	0.5 mm	TOR-5
 Forceps / Pinzette	0.5 mm	TOR-6



**NICOLA SCISSORS |**  
**NICOLA SCHEREN**

	Straight / Gerade	45° Up / Aufwärts	45° Down / Abwärts	Left / Links	Right / Rechts
190 mm		NOJ-2	NOJ-3	NOJ-4	NOJ-5
	NBR-9				
220 mm	NTF-1	NTF-4	NTF-5		
		NBS-2		NBS-5	NBS-4



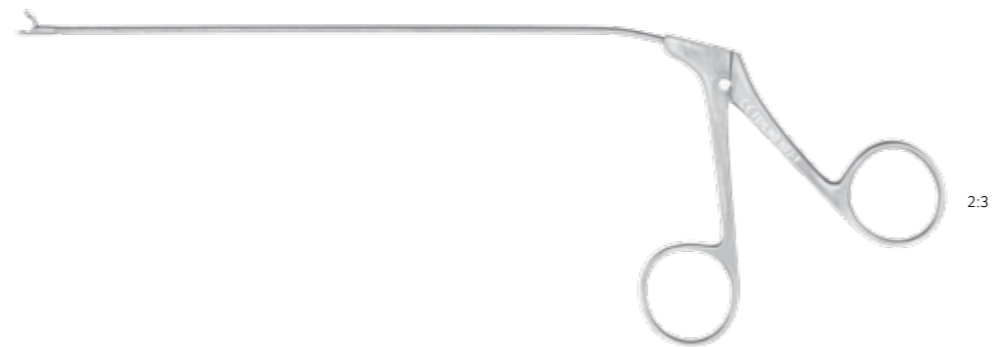
1:1

1:1

2:3

**NICOLA GRASPING FORCEPS |**  
NICOLA FASSZANGEN

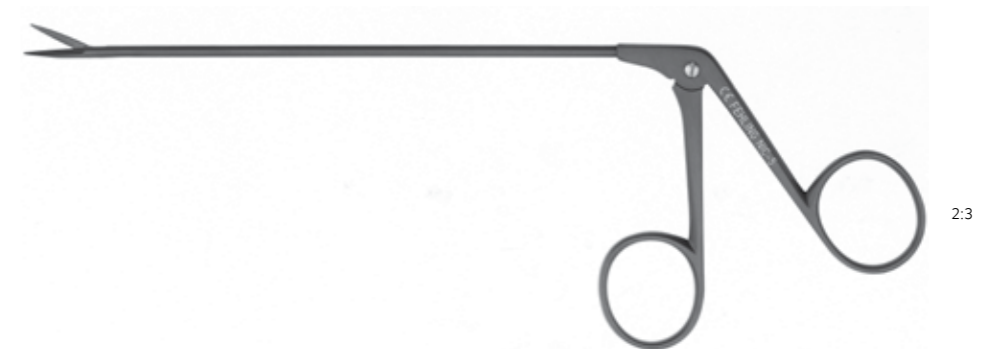
	Straight / Gerade	45° Up / Aufwärts	45° Down / Abwärts	Left / Links	Right / Rechts
190 mm	NBR-3	NOJ-7	NOJ-8	NOJ-9	NOK-0
200 mm				NOM-0	NOI-9
220 mm	NBR-4				
270 mm	NOK-8				




**CERAMO® STRONG SCISSORS |**  
CERAMO® STARKE SCHERE

Lower blade serrated  
Unteres Blatt gezahnt

LENGTH LÄNGE	ART. NUMBER
180 mm	NIC-5




**CERAMO® SUPERPLAST SPATULAS |**  
**CERAMO® SUPERPLAST SPATEL**  
 180 mm

 <p>1:1</p>	SIZE GRÖSSE	ART. NUMBER
	10 mm	EOL-3



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**CERAMO® SUPERPLAST SPATULAS |**  
**CERAMO® SUPERPLAST SPATEL**  
 130 mm

 <p>1:1</p>	SIZE GRÖSSE	ART. NUMBER
	6 mm	EOL-2



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NMN-2	164	NNL-9X	145	NSC-3	36
NMN-3	164	NNN-0X	144	NSC-4	36
NMN-4	164	NNN-1X	144	NSC-5	36
NMN-5	164	NNN-2X	144	NSC-9	36
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NMO-2	164	NNN-4X	145	NSF-7	35
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NMP-5	164	NNQ-2X	147	NSH-4	35
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NND-5	155	NPB-7K	192	NTC-4	210
NNE-0X	145	NPH-1K	184	NTC-7	210
NNE-2X	144	NPM-1K	187	NTC-8	210
NNE-3X	144	NPP-2	185	NTC-9	210
NNE-4X	145	NPP-6	185	NTD-1	210
NNE-5X	145	NPP-8	185	NTD-2	210
NNG-1X	144	NRE-3K	186	NTD-4	210
NNG-7X	144	NRH-3	188	NTD-6	210
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TEG-2X	140	TIA-6	152	TOG-0X	162	TOK-5	163	VOB-4	200
TEG-3X	140	TIA-7	152	TOG-1	162	TOK-5X	163	VOB-5	200
TEG-4X	141	TIA-8	152	TOG-1X	162	TOK-6	163	VOB-6	200
TEG-5X	141	TIB-1	152	TOG-2	162	TOK-6X	163	VOC-2	200
TEG-6X	141	TIB-2	152	TOG-2X	162	TON-0	162	VOC-3	200
TEH-1X	142	TIB-3	152	TOG-3	162	TON-0X	162	VOC-4	200
TEH-2X	142	TIB-4	152	TOG-3X	162	TON-1	162	VOC-5	200
TEH-3X	142	TIB-5	152	TOG-4	163	TON-1X	162	VOC-6	200
TEH-4X	143	TIB-6	152	TOG-4X	163	TON-2	162	ZAE-6	99
TEH-5X	143	TIC-1	152	TOG-5	163	TON-2X	162	ZAH-5	127
TEH-6X	143	TIC-2	152	TOG-5X	163	TON-3	162	ZAL-7	124
TEI-2X	140	TIC-3	152	TOG-6	163	TON-3X	162	ZAM-3	131
TEI-3X	140	TIC-4	152	TOG-6X	163	TON-4	163	ZAM-4	131
TEI-4X	141	TIC-5	152	TOG-7	162	TON-4X	163	ZAU-2	116
TEI-5X	141	TIC-6	152	TOG-7X	162	TON-5	163	ZAU-3	116
TEJ-1X	142	TID-1	152	TOG-8	162	TON-5X	163	ZBZ-0S	117
TEJ-2X	142	TID-2	152	TOG-8X	162	TON-6	163		
TEJ-3X	142	TID-3	152	TOH-0	162	TON-6X	163		
TEJ-4X	143	TID-4	152	TOH-0X	162	TOO-3	162		
TEJ-5X	143	TID-5	152	TOH-1	162	TOO-3X	162		
TEK-2X	140	TIE-2	152	TOH-1X	162	TOO-4	162		
TEK-3X	140	TIE-3	152	TOH-2	162	TOO-4X	162		
TEK-4X	141	TIE-4	152	TOH-2X	162	TOO-5	162		
TEK-5X	141	TIE-5	152	TOH-3	162	TOO-5X	162		
TEL-1X	142	TIE-6	152	TOH-3X	162	TOO-8	162		
TEL-2X	142	TIF-2	152	TOH-4	163	TOO-8X	162		
TEL-3X	142	TIF-3	152	TOH-4X	163	TOO-9	162		
TEL-4X	143	TIF-4	152	TOH-5	163	TOO-9X	162		
TEL-5X	143	TIG-3	152	TOH-5X	163	TOQ-0	214		
TEL-8X	142	TIG-4	152	TOH-6	163	TOQ-1	214		
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TGA-0	150	TIG-6	152	TOI-0	162	TOQ-3	214		
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TGA-2	150	TIH-4	152	TOI-1	162	TOQ-5	214		
TGA-4	150	TIH-5	152	TOI-1X	162	TOR-0	214		
TGA-5	150	TIH-6	152	TOI-2	162	TOR-1	214		
TGA-6	150	TIJ-3	152	TOI-2X	162	TOR-2	214		
TGB-1	150	TIJ-4	152	TOI-3	162	TOR-3	214		

Please note that not all products are available in every country.

The dimensions listed in the catalog are nominal measurements. Actual values may differ slightly due to variations in production.

Wir weisen darauf hin, dass einzelne Produkte oder Produktgruppen in manchen Ländern nicht verfügbar sein können.

Bei denen im Katalog angegebenen Maßen handelt es sich um Nennmaße. Die tatsächlichen Werte können fertigungsbedingt abweichen.

## About us

**FEHLING INSTRUMENTS is an internationally known and distinguished company with more than 30 years of experience in the field of medical technology.**

FEHLING INSTRUMENTS is constantly striving for excellence in function and economy of products. This objective is achieved by continuous innovation in materials, mechanics and design. Customer satisfaction is the prevailing goal of our business. Therefore, FEHLING INSTRUMENTS provides outstanding service in addition to quality products.

FEHLING INSTRUMENTS develops, manufactures, and distributes surgical instruments, implants and single use products for use mainly in the OR. FI also provides all corresponding repair service.

The most important target markets for FEHLING INSTRUMENTS are neuro surgery (spine and brain) and thoracic, cardiac and vascular surgery.

FEHLING INSTRUMENTS' quality is top-ranked. This is a result of both quality construction and quality management. FEHLING INSTRUMENTS is certified according to ISO EN DIN 13485 and annex IX, chapter I and III of the regulation (EU) 2017/745 (MDR).

## Über uns

**FEHLING INSTRUMENTS ist ein weltweit bekanntes und angesehenes Unternehmen mit mehr als 30 Jahren Erfahrung im Bereich Medizintechnik.**

FEHLING INSTRUMENTS strebt stets nach Exzellenz in Funktion und Wirtschaftlichkeit seiner Produkte. Dieses Ziel wird durch kontinuierliche Innovation in Materialien, Mechanik und Design erreicht. Ziel allen Handelns ist die Zufriedenheit unserer Kunden. Deshalb ergänzen darauf gerichtete Kommunikation und Logistik unsere sachlichen Leistungen.

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Die wichtigsten Zielmärkte von FEHLING INSTRUMENTS sind Neurochirurgie (Wirbelsäule und Hirn) sowie Thorax-, Herz-, und Gefäßchirurgie.

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