GENERAL CATALOGUE
GESAMTKATALOG

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FEHLING...

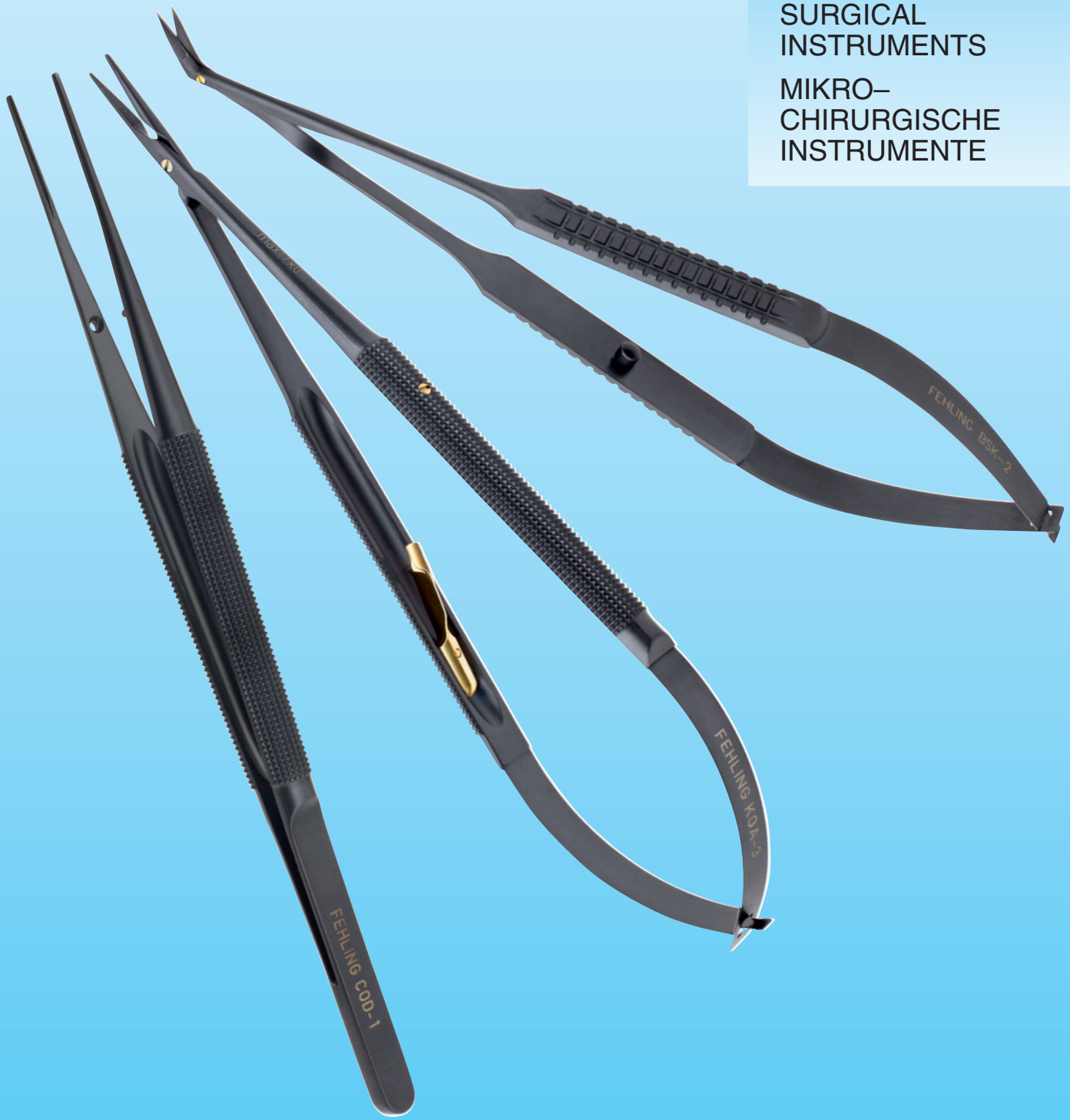
... THE DIFFERENCE

1

CERAMO®

MICRO
SURGICAL
INSTRUMENTS

MIKRO–
CHIRURGISCHE
INSTRUMENTE



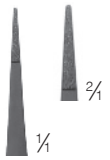
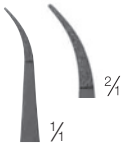
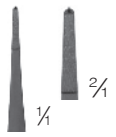
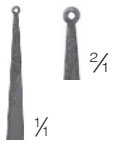
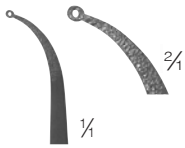
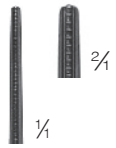
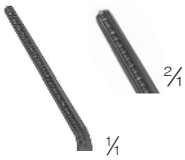
FEHLING
INSTRUMENTS

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CERAMO® RONDO



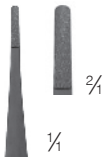
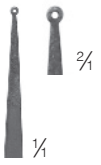
	JAW WIDTH / MAUL BREITE	TOTAL LENGTH / GESAMTLÄNGE					
		120 mm	150 mm	180 mm	210 mm	230 mm	250 mm
 MICRO ROUGH MIKRORAU	0,15 mm		COV-6				
	0,3 mm	COV-8	COV-2	COV-4			
	0,5 mm	COA-0	COA-3	COA-4	COA-5	COA-6	
	0,7 mm		COC-1	COC-2	COC-3	COC-4	
	1,0 mm	COX-9	COY-5 COY-1	COY-6 COY-2	COY-7 COY-3	COY-8 COY-4	COY-9
 MICRO ROUGH MIKRORAU	0,15 mm		COV-5				
	0,3 mm	COV-7	COV-1	COV-3			
	0,5 mm	COE-0	COE-1	COE-2	COE-3	COE-4	
 1 x 2 TEETH 1 x 2 ZÄHNE	0,35 mm		COS-1	COS-2	COS-3	COS-4	
	0,7 mm		COX-1	COX-2	COX-3	COX-4	
 MICRO ROUGH MIKRORAU	1,0 mm		COB-7 COF-7	COB-1 COF-1	COB-3 COF-3	COB-5 COF-5	COB-9
	2,0 mm		COB-8 COF-8	COB-2 COF-2	COB-4 COF-4	COB-6 COF-6	
 MICRO ROUGH MIKRORAU	1,0 mm			COA-7	COX-7		
	2,0 mm			COA-8	COX-8		
 NON-TRAUMATIC ATRAUMATISCH	1,2 mm		COD-0 COD-7	COD-1 COD-4	COD-2 COD-5	COD-3 COD-6	COF-0
	1,5 mm			COE-5	COD-9	COE-7	
	1,8 mm			COE-9	COE-6	COE-8	
 NON-TRAUMATIC ATRAUMATISCH	1,2 mm			COC-6	COD-8		
 BOULITO VALVE KLAPPE	1,0 mm			COS-0			
	1,5 mm			COS-7	COS-8	COR-0	

TITANIUM
TITAN

CERAMO® PLANO



1/1

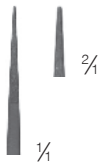
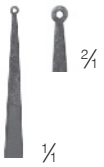
	JAW WIDTH MAUL BREITE	TOTAL LENGTH / GESAMTLÄNGE			
		150 mm	180 mm	210 mm	230 mm
 2/1 1/1 MICRO ROUGH MIKRORAU	1,0 mm	COG-6	COG-7	COG-8	COG-9
 2/1 1/1 1x2 TEETH 1x2 ZÄHNE	0,7 mm	COJ-4	COJ-5	COJ-6	COJ-7
 2/1 1/1 MICRO ROUGH MIKRORAU	1,0 mm	COH-0	COI-9 COJ-1	COJ-2	
 2/1 1/1 NON-TRAUMATIC ATRAUMATISCH	1,2 mm	COL-1 COL-5	COL-2 COL-6	COL-3 COL-7	COL-4 COL-8

TITANIUM
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CERAMO® PLANO-S



1/1

	JAW WIDTH MAUL BREITE	TOTAL LENGTH / GESAMTLÄNGE		
		200 mm	225 mm	240 mm
 2/1 1/1 MICRO ROUGH MIKRORAU	0,4 mm	COT-1 COU-1	COT-7 COU-7	COT-2 COU-2
	0,9 mm	COT-3 COU-3	COT-8 COU-8	COT-4 COU-4
 2/1 1/1 1x2 TEETH 1x2 ZÄHNE	1,0 mm	COT-5 COU-5	COT-9 COU-9	COT-6 COU-6
 2/1 1/1 MICRO ROUGH MIKRORAU	1,0 mm		CPA-1 COU-0	CZE-1
	2,0 mm		CPA-2 COT-0	CZE-2
 2/1 1/1 NON-TRAUMATIC ATRAUMATISCH	1,2 mm	COM-7	COM-5	COM-6
	2,0 mm		COM-8	

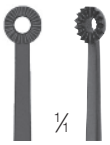
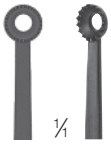
TITANIUM
TITAN

CERAMO® PLANO-S

TUMOR AND TISSUE GRASPING FORCEPS
TUMOR- UND GEWEBEFASSPINZETTEN



1/1

	JAW Ø MAUL Ø	TOTAL LENGTH GESAMTLÄNGE	
		220 mm	240 mm
 1/1 SPOONSHAPED LÖFFELFÖRMIG	2,0 mm	COG-0	
	3,0 mm	COG-1	COG-3
	5,0 mm	COG-2	COG-4
	7,0 mm		COG-5
 1/1 FLAT SERRATED FLACH GEZAHNT	3,0 mm	COP-1	CON-7
	5,0 mm	COP-3	CON-8
 1/1 SERRATED GEZAHNT	3,0 mm	COP-2	
	5,0 mm	COP-4	

	JAW Ø MAUL Ø	TOTAL LENGTH GESAMTLÄNGE 230 mm
 1/1 SPOONSHAPED LÖFFELFÖRMIG	3,0 mm	CON-1
	4,0 mm	CON-3
	5,0 mm	CON-5
 1/1 SPOONSHAPED LÖFFELFÖRMIG	3,0 mm	CON-2
	4,0 mm	CON-4
	5,0 mm	CON-6

MICRO NEEDLE HOLDERS
MIKRONADELHALTER

CERAMO® RONDO

GRASPING SURFACE: MICRO ROUGH
GREIFFLÄCHEN: MIKRORAU



1/1

		TOTAL LENGTH / GESAMTLÄNGE					
		120 mm	150 mm	180 mm	210 mm	230 mm	250 mm
1/1 0,5 mm ***max. 9x0***	WITH LOCK MIT SPERRE	KOY-1	KOD-5	KOD-9	KOE-9		
	WITHOUT LOCK OHNE SPERRE	KOY-2	KOD-6	KOE-0	KOF-0		
1/1 0,5 mm ***max. 9x0***	WITH LOCK MIT SPERRE	KOY-3	KOD-7	KOE-1			
	WITHOUT LOCK OHNE SPERRE	KOY-4	KOD-8	KOE-2	KOD-0		
1/1 1,0 mm ***max. 7x0***	WITH LOCK MIT SPERRE		KOA-1	KOA-3	KOA-5	KOA-7	KOA-0
		KRA-1	KOB-1	KOB-3	KOB-5	KOB-7	
	WITHOUT LOCK OHNE SPERRE		KOA-2	KOA-4	KOA-6	KOA-8	KOA-9
			KOB-2	KOB-4	KOB-6	KOB-8	
1/1 1,0 mm ***max. 7x0***	WITH LOCK MIT SPERRE	KOL-9	KOL-1	KOL-3	KOL-5	KOL-7	
	WITHOUT LOCK OHNE SPERRE	KOL-0	KOL-2	KOL-4	KOL-6	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		KOK-0	KOK-5	KOK-6	KOK-7	KOK-9
1/1 1,5 mm ***max. 6x0***	WITH LOCK MIT SPERRE		KRB-1	KOU-9	KOT-9	KOU-0	
	WITHOUT LOCK OHNE SPERRE		KOY-8	KOY-0	KOY-9	KOZ-0	
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		KOX-9	KOD-2	KOD-4	KOT-4	
1/1 2,0 mm ***max. 5x0***	WITH LOCK MIT SPERRE		KOY-6	KOY-7	KOU-7	KOU-8	
	WITHOUT LOCK OHNE SPERRE		KOZ-7	KOZ-8	KOZ-6	KOZ-5	

max. suture size
max. Fadenstärke

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GRASPING SURFACE: MICRO ROUGH
GREIFFLÄCHEN: MIKRORAU



2,5 mm
max. 3x0

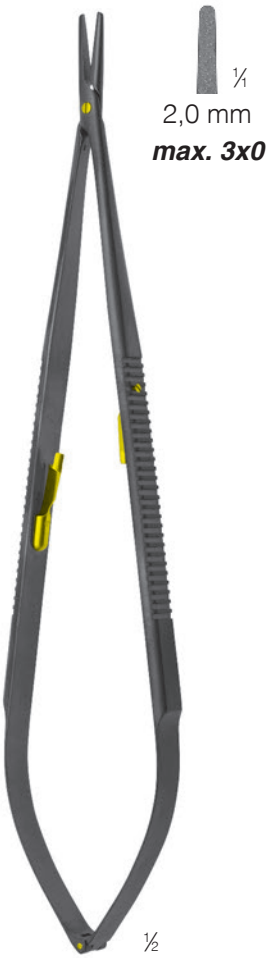
RONDO
STRONG MODEL, WITH LOCK
STARKES MODELL, MIT SPERRE

190 mm	230 mm	250 mm	300 mm
KOV-9	KOU-4	KOU-5	KOU-3



2,5 mm
max. 3x0
300 mm

KOU-6



2,0 mm
max. 3x0

PLANO
STRONG MODEL, WITH LOCK
STARKES MODELL, MIT SPERRE
250 mm

KOW-0

max. suture size / max. Fadenstärke

CERAMO®

GRASPING SURFACE: MICRO ROUGH
GREIFFLÄCHEN: MIKRORAU



½

PLANO		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	KOC-5
		KOM-1	KOM-2	KOM-3	KOM-4
	WITHOUT LOCK OHNE SPERRE		KRB-0	KRA-9	
1/1 2,0 mm ***max. 5x0***	WITH LOCK MIT SPERRE	KOZ-1	KOZ-2	KOZ-3	KOZ-4
	WITHOUT LOCK OHNE SPERRE		KRA-7		KRA-8

max. suture size
max. Fadenstärke

TITANIUM
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½

PLANO-S	TOTAL LENGTH / GESAMTLÄNGE		
	200 mm	225 mm	240 mm
1/1 0,4 mm ***max. 9x0***	KOV-2	KOV-4	KOV-6
1/1 0,4 mm ***max. 9x0***	KOV-1	KOV-3	KOV-5
1/1 1,0 mm ***max. 7x0***	KON-1	KOM-5	KON-2
	KON-3	KOM-6	KON-4
1/1 1,0 mm ***max. 7x0***	KOM-8	KOM-7	KON-5
1/1 2,0 mm ***max. 5x0***		KOM-0	KOV-7
1/1 2,0 mm ***max. 5x0***		KRA-0	

max. suture size
max. Fadenstärke

TITANIUM
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all PLANO-S patterns also available with lock

alle PLANO-S Modelle auch mit Sperre erhältlich

CERAMO®

GRASPING SURFACE: MICRO ROUGH
GREIFFLÄCHEN: MIKRORAU



VAN DONGEN
180 mm

KOC-2



VAN DONGEN
135 mm

KOC-1



SYNTHESIS
200 mm

KOT-1

max. suture size / max. Fadenstärke

CERAMO®



RONDO		TOTAL LENGTH / GESAMTLÄNGE					
		120 mm	150 mm	180 mm	210 mm	230 mm	250 mm
10 mm	POINTED SPITZ	BSL-2	BSN-5	BSN-3	BSJ-4		BSK-9
10 mm	POINTED SPITZ	BSL-3	BSN-6	BSN-4			
14 mm	POINTED SPITZ		BRK-2	BRK-4	BRK-6	BRK-8	
	SERRATED GEZAHNT		BRL-2	BRL-4	BRL-6	BRL-8	
14 mm	POINTED SPITZ		BRK-1	BRK-3	BRK-5	BRK-7	
	SERRATED GEZAHNT		BRL-1	BRL-3	BRL-5	BRL-7	
	BLUNT STUMPF		BSI-1	BSI-2	BSI-3	BSI-4	
14 mm	POINTED SPITZ			BRS-3			
	BLUNT STUMPF			BRS-4			



PLANO		TOTAL LENGTH / GESAMTLÄNGE					
		120 mm	150 mm	180 mm	210 mm	230 mm	250 mm
10 mm	POINTED SPITZ	BRV-2	BRV-4	BRV-6			BSL-7
	BLUNT STUMPF		BRV-7	BRV-8			
10 mm	POINTED SPITZ	BRV-1	BRV-3	BRV-5			
14 mm	POINTED SPITZ		BRC-2	BRC-4	BRC-6	BRC-8	
	BLUNT STUMPF				BRD-0		
	SERRATED GEZAHNT		BRE-4	BRE-2	BRE-6	BRE-8	
14 mm	POINTED SPITZ		BRC-1	BRC-3	BRC-5	BRC-7	
	SERRATED GEZAHNT		BRE-3	BRE-1	BRE-5	BRE-7	
14 mm	POINTED SPITZ			BRS-1			
	BLUNT STUMPF			BRS-2	BRC-0		

CERAMO® PLANO S

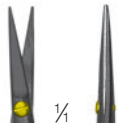


		TOTAL LENGTH / GESAMTLÄNGE					
		165 mm	185 mm	200 mm	225 mm	240 mm	250 mm
	STANDARD	BRF-8		BRD-8 BRD-4	BRD-6 BRD-2		BSN-2
	STRONG* STARK*			BRF-0	BRF-4		
	STANDARD	BRF-9		BRD-7 BRD-3	BRD-5 BRD-1		BSN-1
	STRONG* STARK*			BRF-3	BRF-5		
	FULL BLADE BLUNT VOLLES BLATT STUMPF	BSH-7		BSH-2	BSH-4	BSH-6	
	FULL BLADE BLUNT VOLLES BLATT STUMPF	BSH-8		BSH-1	BSH-3	BSH-5	

* SERRATED BLADES
* GEZAHNTE BLÄTTER

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DELICATE SEHR FEIN	TOTAL LENGTH GESAMTLÄNGE 225 mm
	BRW-1
	BRW-2

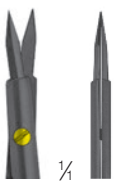
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DELICATE SEHR FEIN		TOTAL LENGTH / GESAMTLÄNGE				
		165 mm	185 mm	200 mm	225 mm	240 mm
	POINTED SPITZ	BSA-0	BRZ-3	BRZ-5	BRZ-7	BRZ-9
	POINTED SPITZ	BRZ-0	BRZ-2	BRZ-4	BRZ-6	BRZ-8
	HALF-POINTED HALBSPITZ	BSA-8	BSZ-1	BSZ-3		
	HALF-POINTED HALBSPITZ	BSA-9	BRZ-1	BSZ-4		BSB-0



VANNAS

PLANO-S	TOTAL LENGTH GESAMTLÄNGE	
	200 mm	225 mm
	BSG-4	BSG-2 BSF-2
	BSG-3	BSG-1 BSF-1

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VANNAS

PLANO	TOTAL LENGTH GESAMTLÄNGE	
	150 mm	180 mm
	BSF-4	BSF-6
	BSF-3	BSF-5

CERAMO® RONDO

VASCULAR SCISSORS
GEFÄSS-SCHEREN





BALLPOINTED
MIT KNOPF

		TOTAL LENGTH GESAMT-LÄNGE	1/1 7 mm	1/1 10 mm
25° 	POINTED SPITZ	180 mm	BSP-1	BSM-1
		210 mm		BSI-5
		250 mm		BSL-4
	BALLPOINTED MIT KNOPF	180 mm		BSD-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
60° 	POINTED SPITZ	180 mm	BSP-3	BSM-3
		210 mm		BSI-7
	BALLPOINTED MIT KNOPF	180 mm		BSD-3
90° 	POINTED SPITZ	170 mm	BSP-4	BSM-4
		210 mm		BSI-8
	BALLPOINTED MIT KNOPF	170 mm		BSD-4
125° 	POINTED SPITZ	170 mm	BSP-5	BSM-5
		210 mm		BSI-9
		250 mm		BSL-9
	BALLPOINTED MIT KNOPF	170 mm		BSD-5
140° 	POINTED SPITZ	250 mm		BSL-0

CERAMO® PLANO

VASCULAR SCISSORS
GEFÄSS-SCHEREN





BALLPOINTED
MIT KNOPF

		TOTAL LENGTH GESAMT-LÄNGE	1/1 7 mm	1/1 10 mm
25° 	POINTED SPITZ	180 mm	BSM-6	BSK-1
		250 mm		BSK-6
	BALLPOINTED MIT KNOPF	180 mm		BRI-1
45° 	POINTED SPITZ	180 mm	BSM-7	BSK-2
		250 mm		BSK-7
	BALLPOINTED MIT KNOPF	180 mm		BRI-2
60° 	POINTED SPITZ	180 mm	BSM-8	BSK-3
		250 mm		BSN-0
	BALLPOINTED MIT KNOPF	180 mm		BRI-3
90° 	POINTED SPITZ	170 mm	BSM-0	BSK-4
	BALLPOINTED MIT KNOPF	170 mm		BRI-4
125° 	POINTED SPITZ	170 mm	BSM-9	BSK-5
		250 mm		BSK-8
	BALLPOINTED MIT KNOPF	170 mm		BRI-5
140° 	POINTED SPITZ	250 mm		BSL-8

CERAMO® PLANO

VASCULAR SCISSORS
GEFÄSS-SCHEREN



100 mm

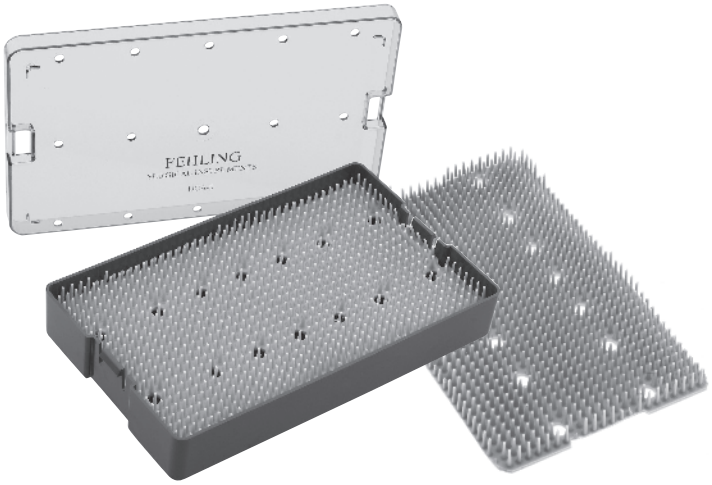
	1/1 7 mm	1/1 10 mm
25° 1/1	BRA-0	BRA-0L
45° 1/1	BRA-6	BRA-6L
60° 1/1	BRA-7	BRA-7L
90° 1/1	BRA-9	BRA-9L
125° 1/1	BRA-8	BRA-8L

PLASTIC CONTAINER WITH SILICONE MAT
KUNSTSTOFFCONTAINER MIT SILIKONMATTEN



FOR STRAIGHT INSTRUMENTS
FÜR GERADE INSTRUMENTE

250 x 150 x 20 mm	UCA-4
381 x 254 x 19 mm	UCA-1



FOR BAYONET-SHAPED INSTRUMENTS
FÜR BAJONETTFÖRMIGE INSTRUMENTE

250 x 150 x 43 mm	UCA-9
381 x 254 x 43 mm	UCA-8

Please note that not all products are available in every country.
Wir weisen darauf hin, dass einzelne Produkte oder Produktgruppen in manchen Ländern nicht verfügbar sein können.

The dimensions listed in the catalog are nominal measurements. Actual values may differ slightly due to variations in production.
Bei denen im Katalog angegebenen Maßen handelt es sich um Nennmaße. Die tatsächlichen Werte können fertigungsbedingt abweichen.

Your Distributor
Ihr Vertriebspartner

FEHLING...

... THE DIFFERENCE

2

SPREADING AND RETRACTING INSTRUMENTS

INSTRUMENTE ZUM SPREIZEN UND HALTEN



FEHLING INSTRUMENTS

Hanauer Landstraße 7A · 63791 Karlstein/Germany · www.fehling-instruments.de

+49 (0) 61 88 - 95 74.40 +49 (0) 61 88 - 95 74.45 info@fehling-instruments.de

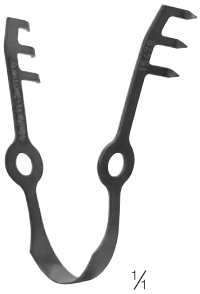
CERAMO® SUPERFLEX


1/1

PRESSURE SPREIZDRUCK	
0,6 N	MNE-2
1,2 N	MNE-1


1/1

PRESSURE SPREIZDRUCK	
0,6 N	MNE-3


1/1

PRESSURE SPREIZDRUCK	
0,6 N	MNE-3V

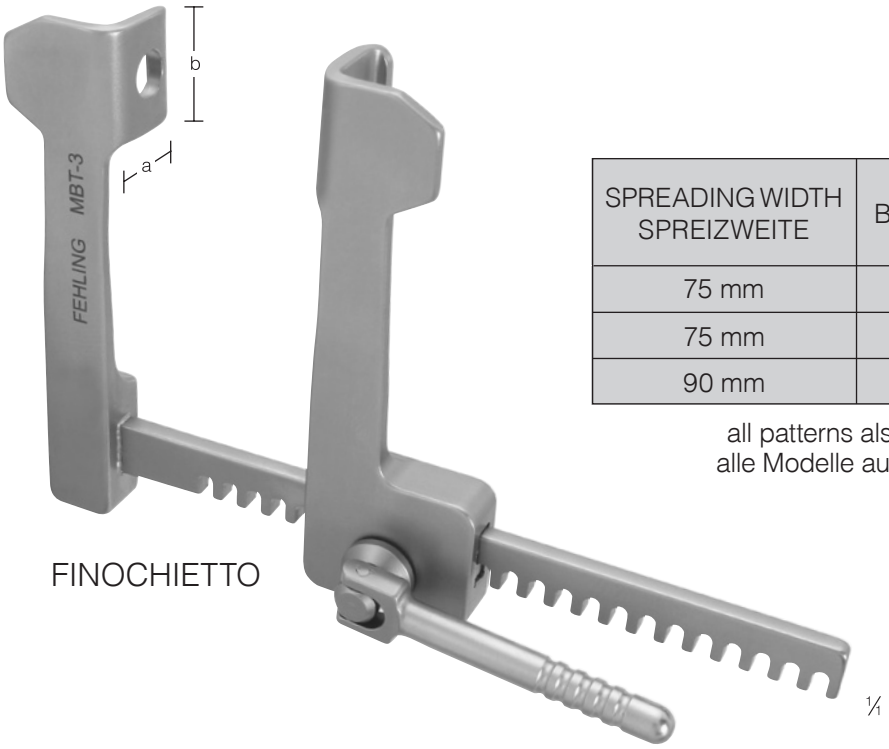

1/1

PRESSURE SPREIZDRUCK	
0,6 N	MNE-4

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

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

FOR PEDIATRIC SURGERY
FÜR KINDERCHIRURGIE



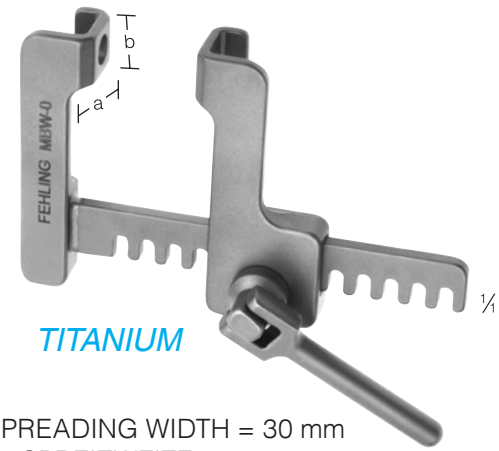
FINOCHIETTO

1/1

SPREADING WIDTH SPREIZWEITE	BLADE SIZE BLATTGRÖSSE a x b	
75 mm	16 x 15 mm	MBT-3
75 mm	21 x 21 mm	MBT-4
90 mm	31,5 x 35 mm	MBT-5

all patterns also available in CERAMO®
alle Modelle auch in CERAMO® erhältlich

10 x 7 mm



1/1

TITANIUM

SPREADING WIDTH = 30 mm
SPREIZWEITE = 30 mm

MBW-0

BLADES
BLÄTTER



10 x 20 mm
(PAIR / PAAR)

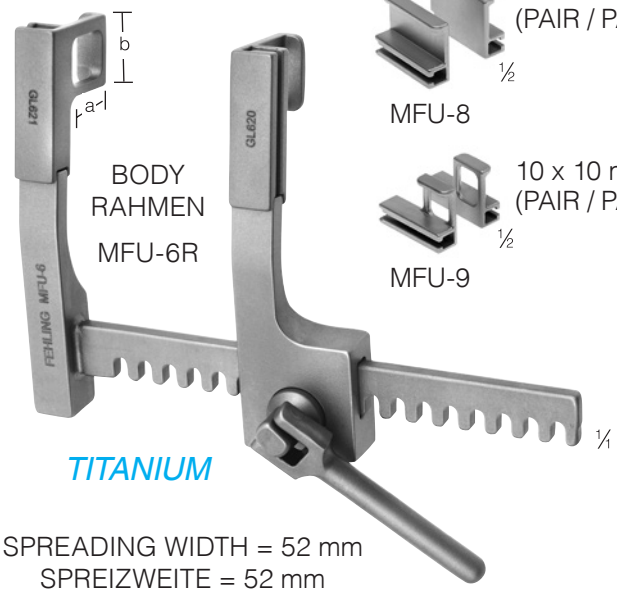
½

MFU-8

10 x 10 mm
(PAIR / PAAR)

½

MFU-9



BODY
RAHMEN

MFU-6R

1/1

TITANIUM

SPREADING WIDTH = 52 mm
SPREIZWEITE = 52 mm

COMPLETE SET
KOMPLETTES SET

MFU-6

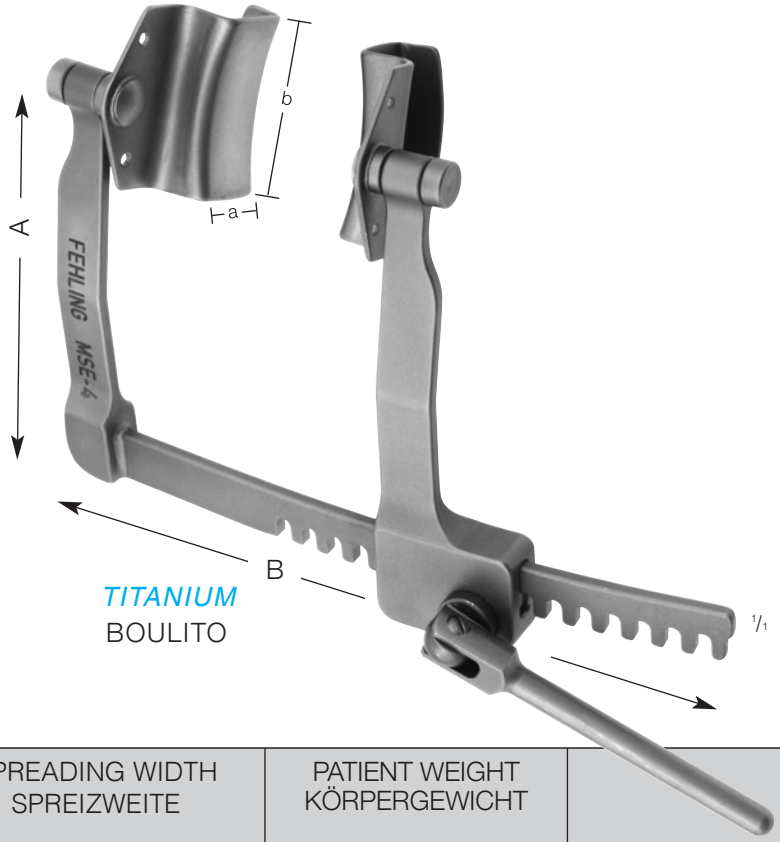
FOR PEDIATRIC SURGERY
FÜR KINDERCHIRURGIE



MORSE

1/1

SPREADING WIDTH SPREIZWEITE	BLADE SIZE BLATTGRÖSSE a x b	
40 mm	14 x 12 mm	MSB-1
65 mm	14 x 12 mm	MSB-2
90 mm	20 x 15 mm	MSB-6
100 mm	23 x 20 mm	MSB-3
110 mm	20 x 15 mm	MSB-7
130 mm	23 x 20 mm	MSB-4
160 mm	23 x 20 mm	MSB-5



TITANIUM
BOULITO

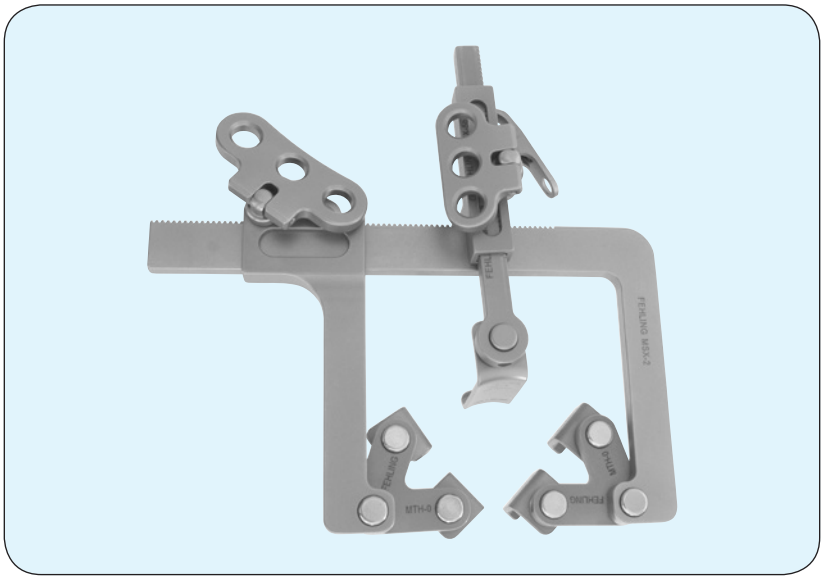
1/1

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

* Stainless Steel / rostfreier Stahl

V-CUT
TITANIUM

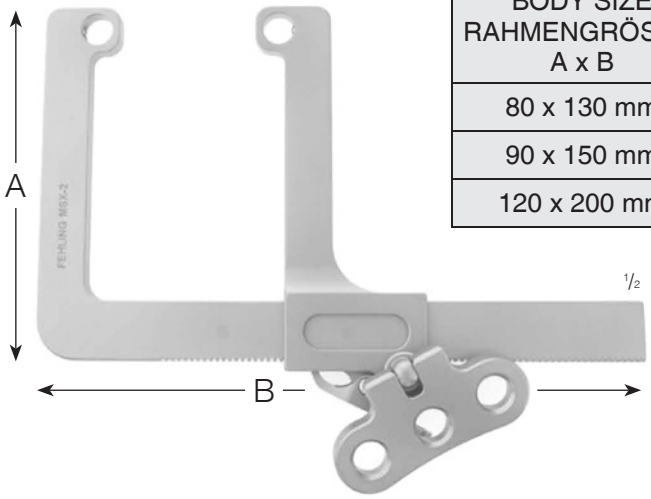
FOR PEDIATRIC SURGERY
FÜR KINDERCHIRURGIE



exemplary configuration
Konfigurationsbeispiel

RETRACTOR, BODY
SPERRER, RAHMEN

BODY SIZE RAHMENGRÖSSE A x B	PATIENT WEIGHT KÖRPERGEWICHT	SPREADING WIDTH SPREIZWEITE	
80 x 130 mm	3 – 7 kg	60 mm	MSX-1
90 x 150 mm	7 – 15 kg	85 mm	MSX-2
120 x 200 mm	15 – 40 kg	130 mm	MSX-3





BLADE GUIDE
HAKENFÜHRUNG

MSX-5A

RIDER
SCHLITTEN



STANDARD

MSX-5B



ANGLE ADJUSTABLE
WINKELVERSTELLBAR

MSX-5C



HORKE BLADE SWING
HORKE SCHAUKEL

HOLE DISTANCE LOCHABSTAND	
20 mm	MTH-2
25 mm	MTH-0
35 mm	MTH-1

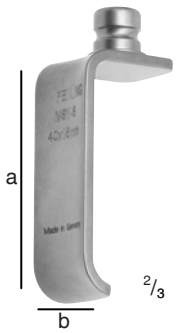
V-CUT
TITANIUM

FOR PEDIATRIC SURGERY
FÜR KINDERCHIRURGIE



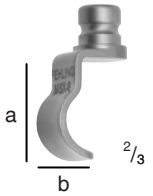
STERNAL BLADE
STERNUMHALTEBLATT

a \ b	15 mm	20 mm
15 mm	MTH-3	MTH-4
21 mm	MTH-5	MTH-6
26 mm	MTH-7	MTH-8



DIAPHRAGM RETRACTOR
ZWERCHFELLHAKEN

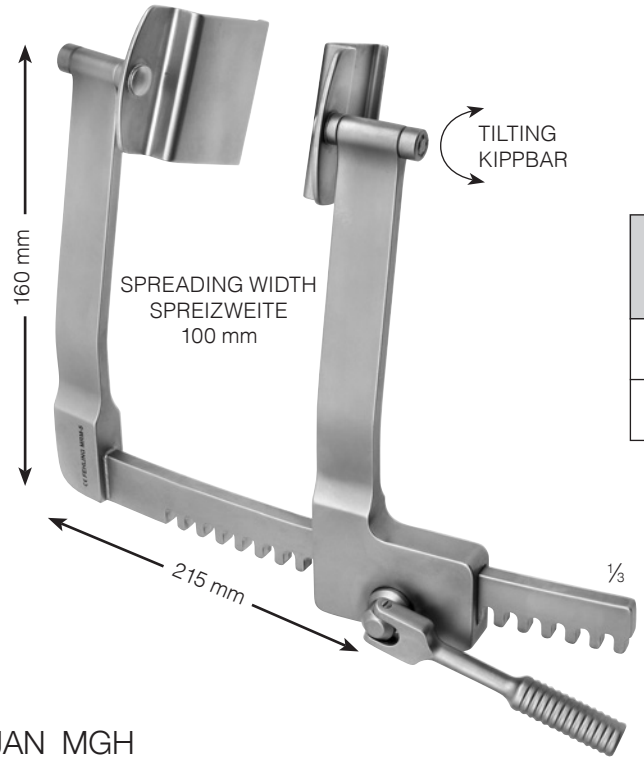
a \ b	15 mm	24 mm
40 mm	MSY-6	MSZ-6
50 mm	MSY-7	MSZ-7
60 mm	MSY-8	MSZ-8
70 mm	MSY-9	MSZ-9



LID RETRACTOR
LIDHAKEN

a \ b	10 mm
20 mm	MSX-6
30 mm	MSX-7
40 mm	MSX-8

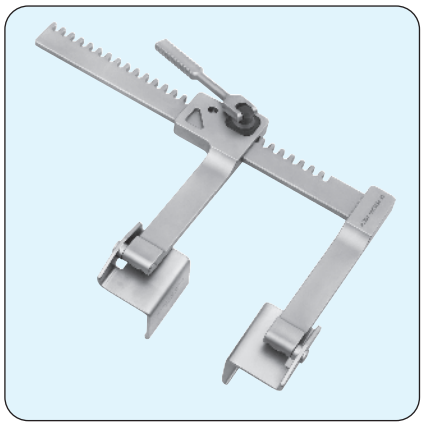
MARJAN



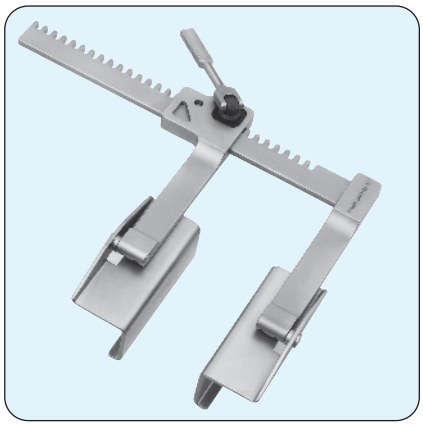
FOR PARTIAL STERNOTOMY
FÜR PARTIELLE STERNOTOMIE

BLADE SIZE BLATTGRÖSSE a x b	
35 x 50 mm	MRM-5
45 x 50 mm	MRM-6

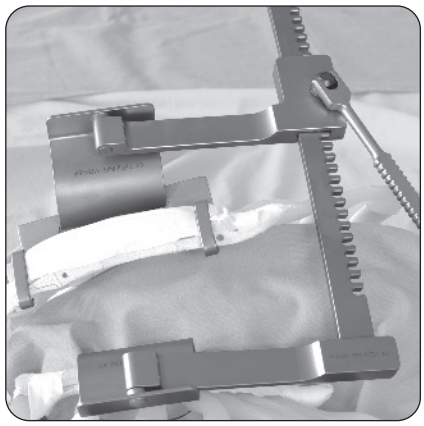
MARJAN MGH



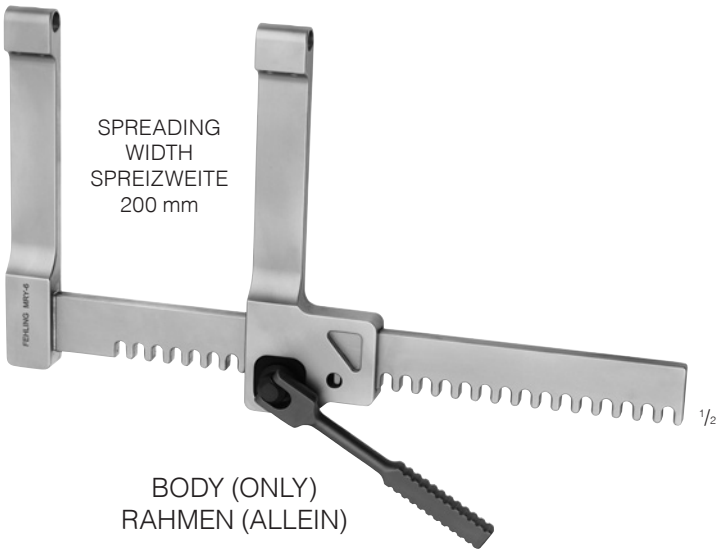
PARTIAL STERNOTOMY
PARTIELLE STERNOTOMIE



TOTAL STERNOTOMY
TOTALE STERNOTOMIE



IMA EXPOSURE
IMA EXPOSITION

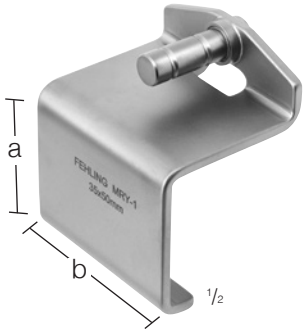


BODY (ONLY)
RAHMEN (ALLEIN)

MRY-6

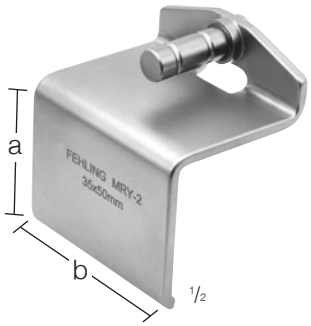
MARJAN MGH

RETRACTING BLADES
HALTEBLÄTTER



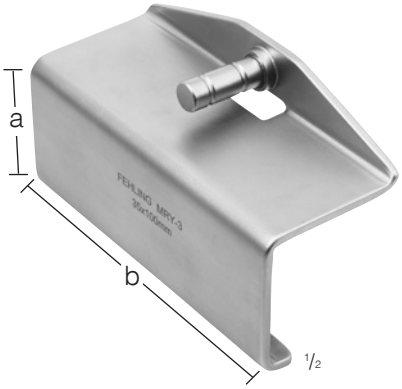
FOR PARTIAL STERNOTOMY / L-CUT (PAIR)
FÜR PARTIELLE STERNOTOMIE / L-SCHNITT (PAAR)

a x b	
35 x 50 mm	MRY-1



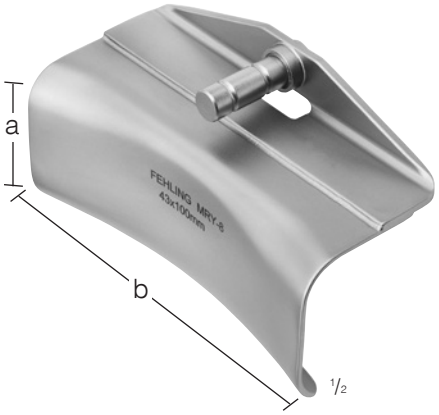
FOR PARTIAL STERNOTOMY / Z-CUT (PAIR)
FÜR PARTIELLE STERNOTOMIE / Z-SCHNITT (PAAR)

a x b	
35 x 50 mm	MRY-2



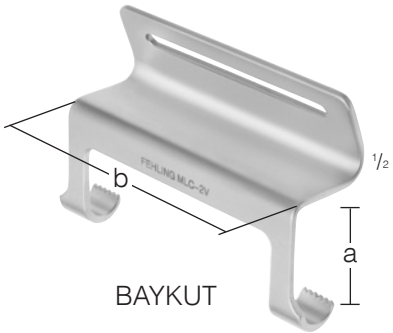
FOR TOTAL STERNOTOMY (PAIR)
FÜR TOTALE STERNOTOMIE (PAAR)

a x b	
35 x 70 mm	MRY-3K
35 x 100 mm	MRY-3
45 x 100 mm	MRY-4



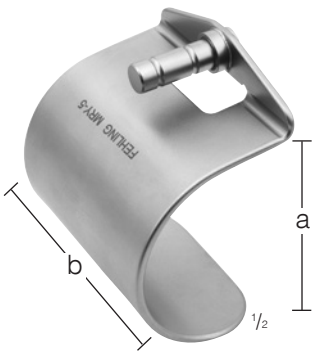
FOR TOTAL STERNOTOMY, CONVEX (PAIR)
FÜR TOTALE STERNOTOMIE, KONVEX (PAAR)

a x b	
34 x 100 mm	MRY-7
43 x 100 mm	MRY-8
50 x 100 mm	MRY-9
34 x 120 mm	MSD-0



IMA RETRACTING BLADE
IMA HALTEBLATT

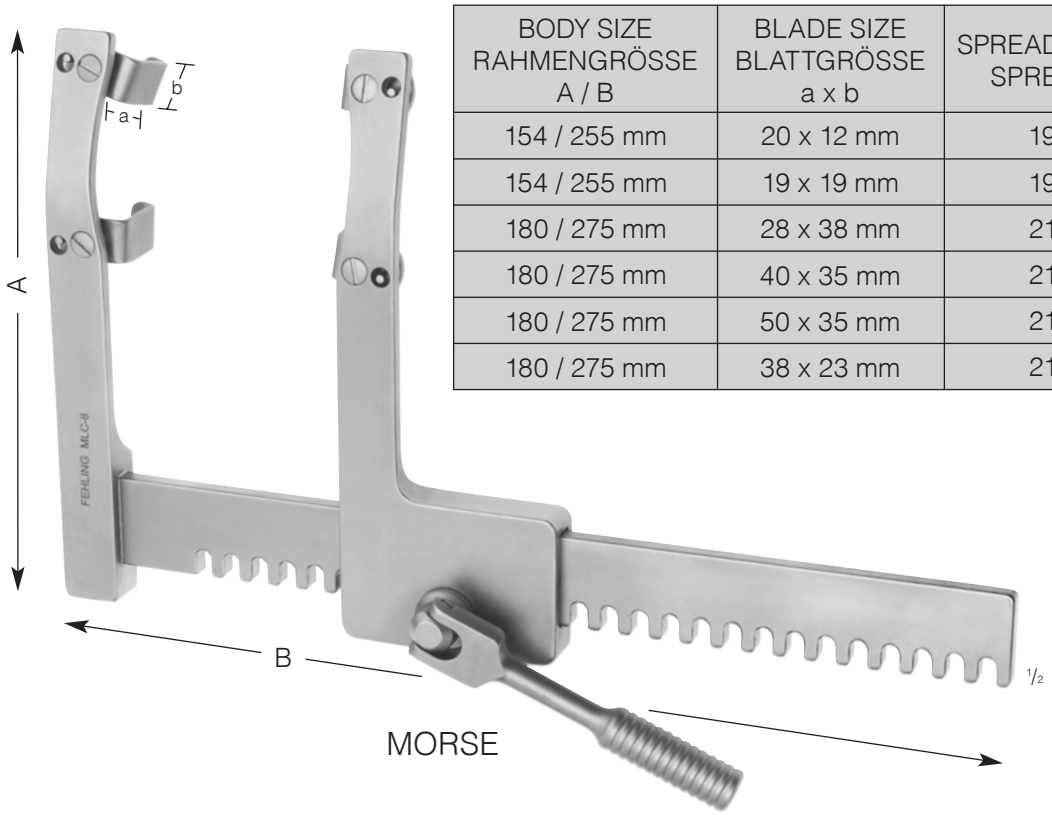
a x b	
15 x 50 mm	MLM-6V
15 x 90 mm	MLC-2V
15 x 120 mm	MLM-3V



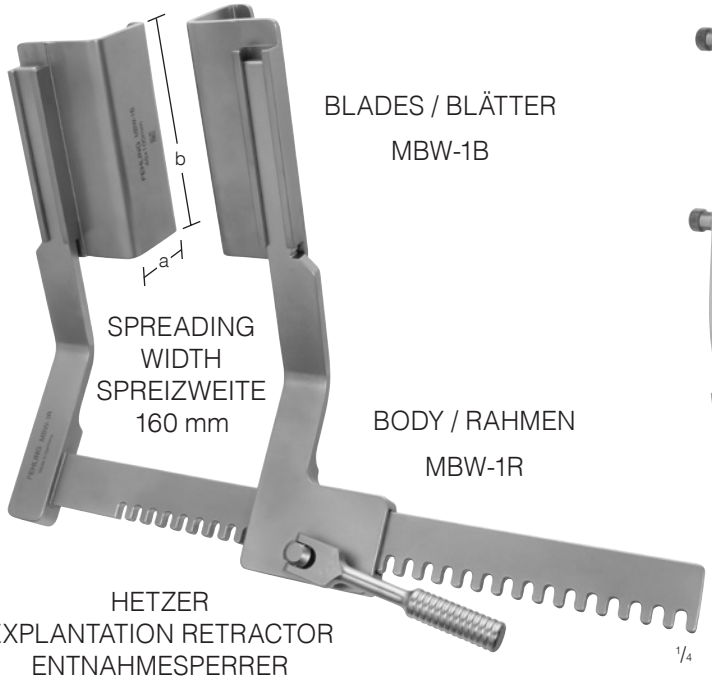
FOR IMA EXPOSITION
FÜR IMA DARSTELLUNG

a x b	
30 x 65 mm	MSC-8
40 x 65 mm	MSC-9
50 x 65 mm	MRY-5

BODY SIZE RAHMENGRÖSSE A / B	BLADE SIZE BLATTGRÖSSE a x b	SPREADING WIDTH SPREIZWEITE	
154 / 255 mm	20 x 12 mm	190 mm	MLC-8
154 / 255 mm	19 x 19 mm	190 mm	MMZ-1
180 / 275 mm	28 x 38 mm	210 mm	MSB-8
180 / 275 mm	40 x 35 mm	210 mm	MMZ-4
180 / 275 mm	50 x 35 mm	210 mm	MMZ-5
180 / 275 mm	38 x 23 mm	210 mm	MMZ-2



MORSE



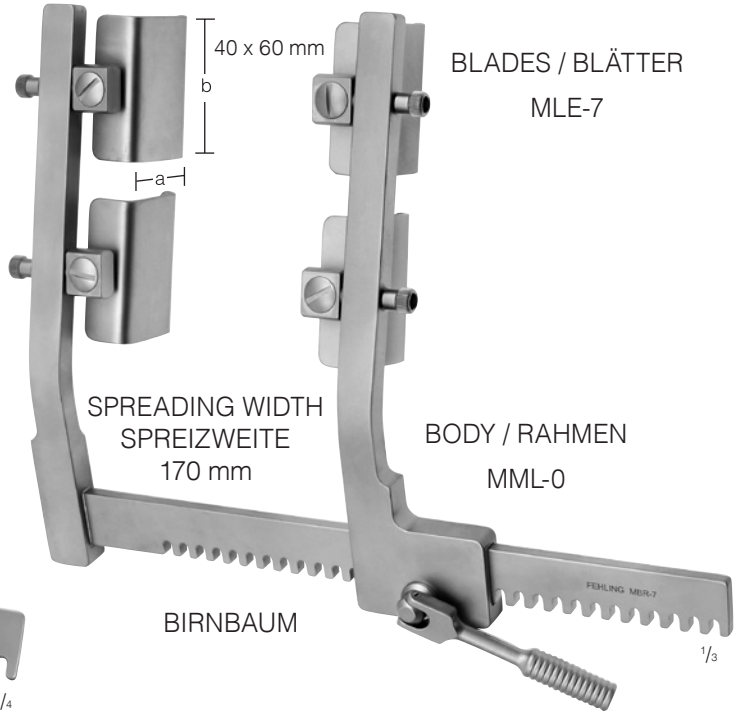
BLADES / BLÄTTER
MBW-1B

SPREADING WIDTH
SPREIZWEITE
160 mm

BODY / RAHMEN
MBW-1R

HETZER
EXPLANTATION RETRACTOR
ENTNAHMESPERRER

COMPLETE SET
KOMPLETTES SET
MBW-1



BLADES / BLÄTTER
MLE-7

SPREADING WIDTH
SPREIZWEITE
170 mm

BODY / RAHMEN
MML-0

BIRNBAUM

BLADE SIZE: DEPTH (a) x WIDTH (b) BLATTGRÖSSE: TIEFE (a) x BREITE (b)



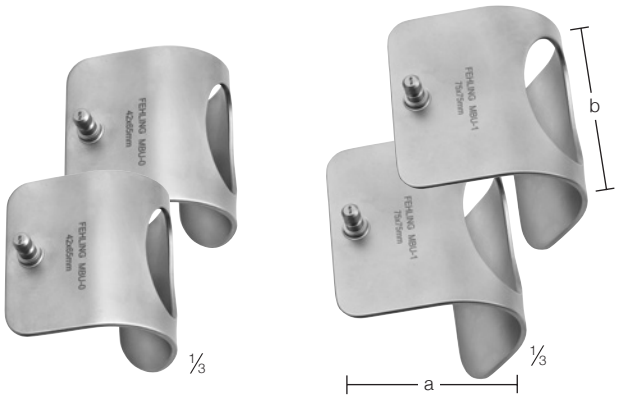
BODY / RAHMEN

MBU-5

MERCEDES

COMPLETE SET
KOMPLETTES SET

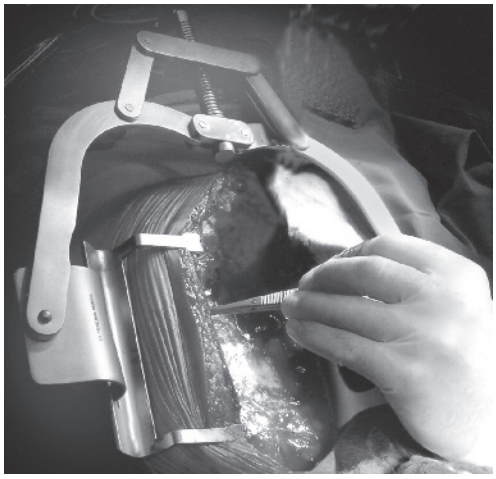
MBU-4



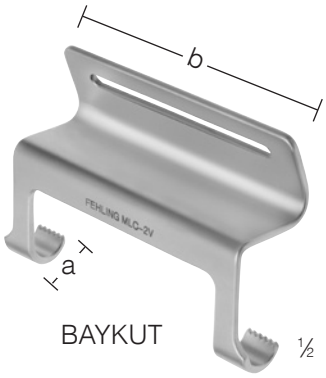
BLADES (PAIR) / BLÄTTER (PAAR)

(a) 48 x (b) 65 mm
MBU-0

(a) 75 x (b) 75 mm
MBU-1



exemplary configuration
Konfigurationsbeispiel

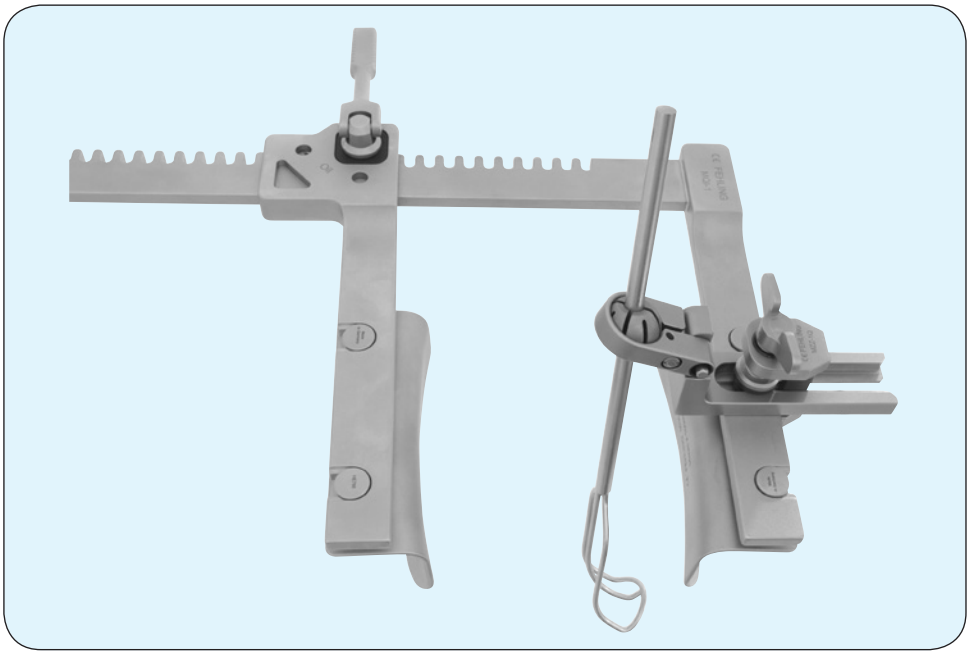


BAYKUT

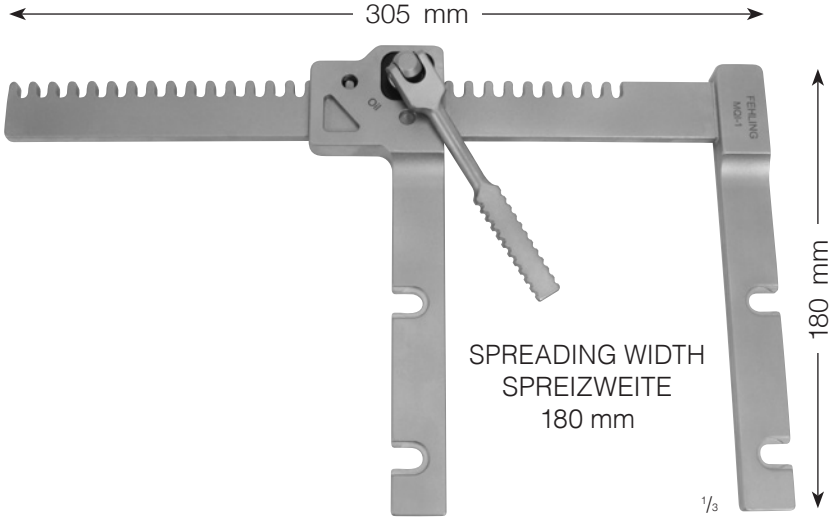
IMA RETRACTING BLADE
IMA HALTEBLATT

a x b	
15 x 50 mm	MLM-6V
15 x 90 mm	MLC-2V
15 x 120 mm	MLM-3V

FALK

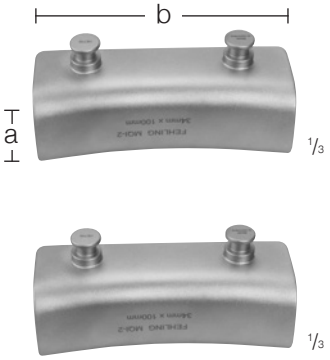


exemplary configuration
Konfigurationsbeispiel



BODY / RAHMEN

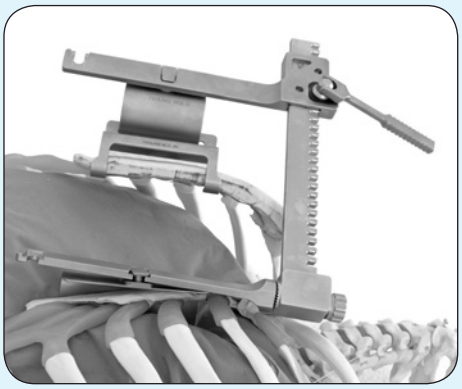
MQI-1



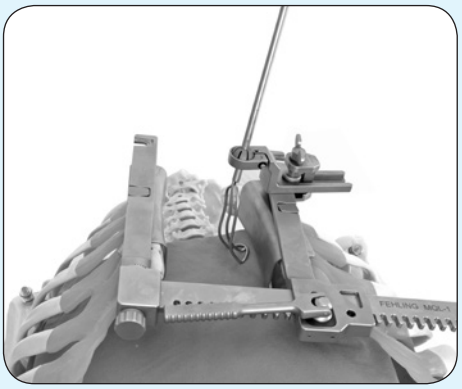
RETRACTOR BLADE (PAIR)
SPREIZERBLATT (PAAR)

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

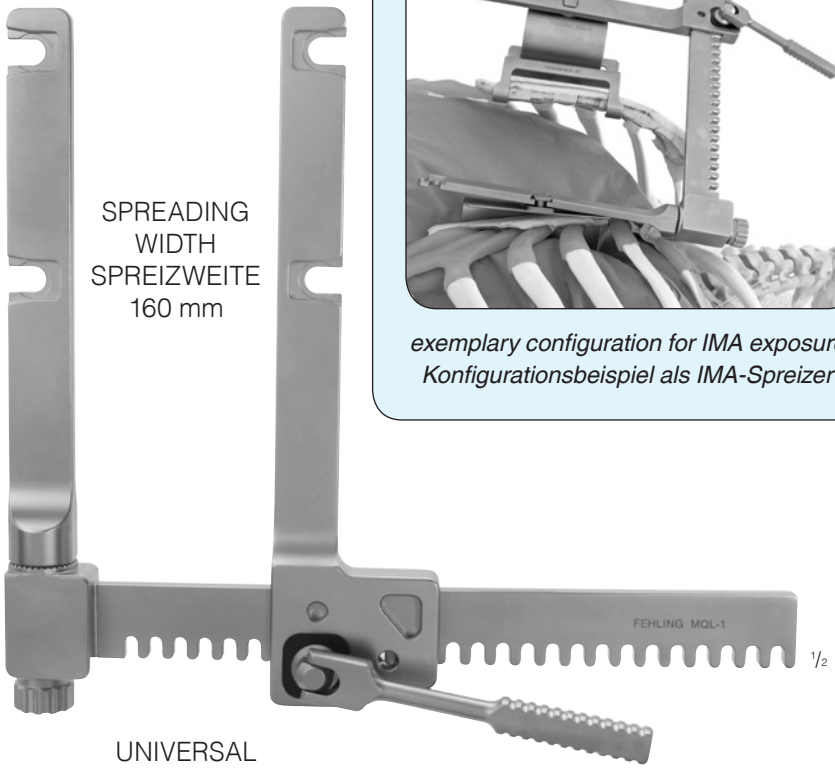
CEBOTARI



exemplary configuration for IMA exposure[1]
Konfigurationsbeispiel als IMA-Spreizer[1]



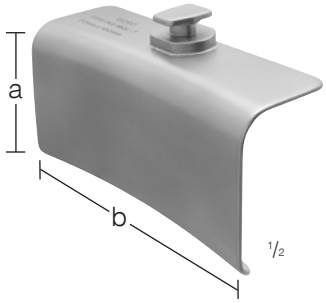
exemplary configuration with atrial retractor[2]
Konfigurationsbeispiel mit atrialem Haken[2]



SPREADING
WIDTH
SPREIZWEITE
160 mm

UNIVERSAL
STERNAL RETRACTOR
UNIVERSAL
STERNUMSPREIZER

MQL-1



STERNOTONOMY BLADE (PAIR)
STERNUMBLATT (PAAR)



IMA BLADE
IMA-BLATT

MQL-3

BLADE SIZE BLATTGRÖSSE a x b	
34 x 50 mm	MQL-4
43 x 50 mm	MQL-5
34 x 100 mm	MQL-6
43 x 100 mm	MQL-2
50 x 100 mm	MQL-7
63 x 100 mm	MQL-8
34 x 120 mm	MQL-9
43 x 120 mm	MQM-1
50 x 120 mm	MQM-2
63 x 120 mm	MQM-3

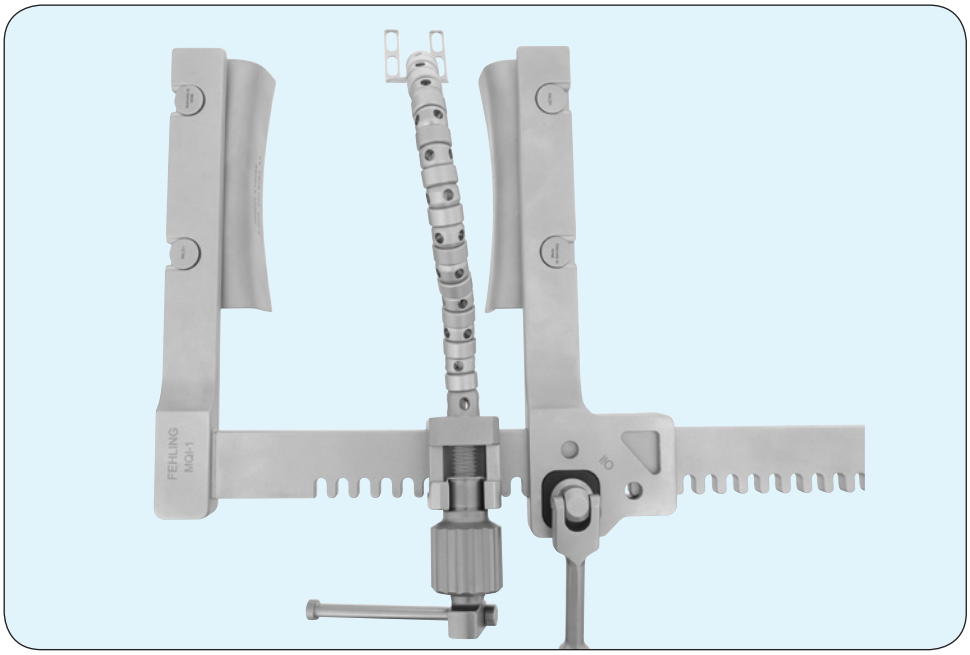
ACCESSORIES / ZUBEHÖR

[1] for IMA exposure / zur Darstellung der IMA
Baykut-IMA blade / Baykut-IMA-Blatt
MLC-2V
see page 2/8 / siehe Seite 2/8

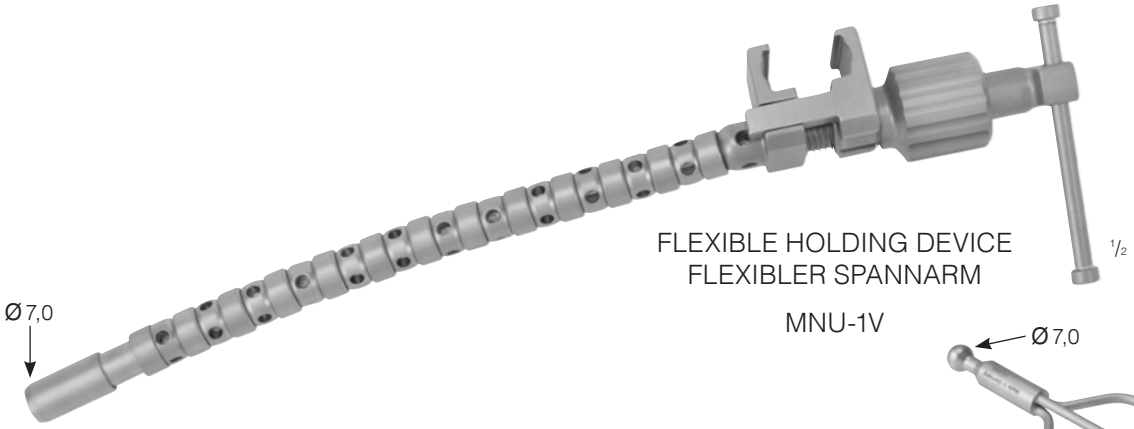
[2] for atrial retraction / zur Vorhofretraktion
Ball adapter / Kugeladapter +
Atrial retractor / Vorhofhaken
see page 2/24 / siehe Seite 2/24

Blades optional usable for
FALK RETRACTOR see page 2/11

Blätter optional nutzbar für
FALK SPREIZER siehe Seite 2/11



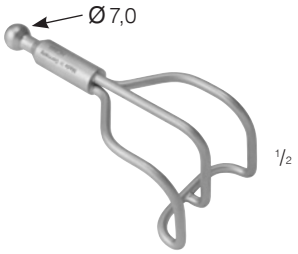
exemplary configuration
Konfigurationsbeispiel



FLEXIBLE HOLDING DEVICE
FLEXIBLER SPANNARM

MNU-1V

½



½

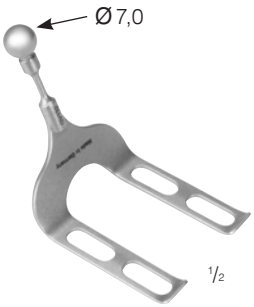
ATRIAL RETRACTOR
VORHOFHAKEN



½

ZENKER
HOOK
HAKEN

MQG-5



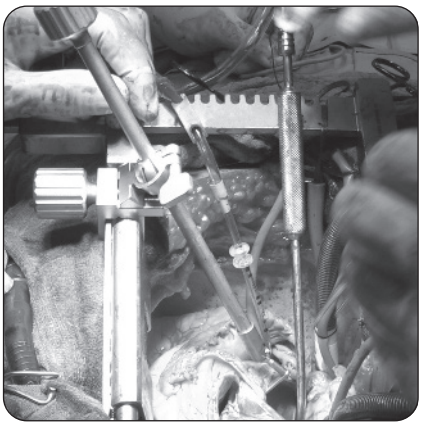
½

MYOCARDIAL STABILIZER
HERZMUSKELSTABILISATOR

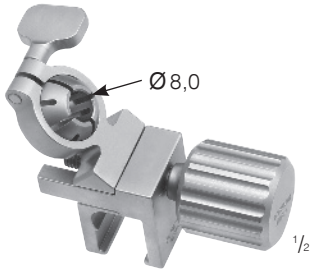
MRR-3V

SMALL KLEIN	MQG-1
MEDIUM	MQG-2
LARGE GROSS	MQG-3

ACCESSORIES FOR VALVE SURGERY
ZUBEHÖR FÜR KLAPPENCHIRURGIE

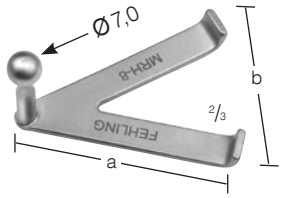


exemplary configuration
Konfigurationsbeispiel



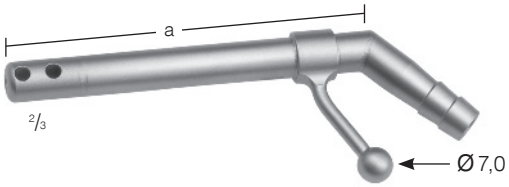
BALL JOINT ADAPTER*
(FOR BLADE GUIDE MRF-0V)
KUGELGELENKADAPTER*
(FÜR HAKENFÜHRUNG MRF-0V)

MRF-1V



ATRIAL FORK
VORHOFGABEL

BLADE SIZE BLATTGRÖSSE a x b	
30 x 25 mm	MRH-7
40 x 35 mm	MRH-8
50 x 45 mm	MRH-9



ATRIAL SUCTION DOWNHOLDER
ATRIALER SAUGNIEDERHALTER

DEPTH TIEFE a	
60 mm	MRJ-5
70 mm	MRJ-6
80 mm	MRJ-7

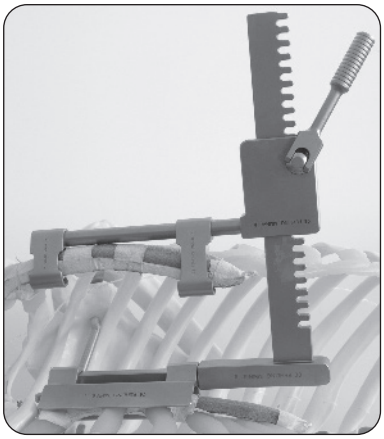


BLADE GUIDE
HAKENFÜHRUNG
200 mm

MRF-0V

*adaptable to most sternal retractors / verwendbar für die meisten Sternumspreizer

DC-VERSION



exemplary configuration
Konfigurationsbeispiel

BLADES / BLÄTTER



1/3

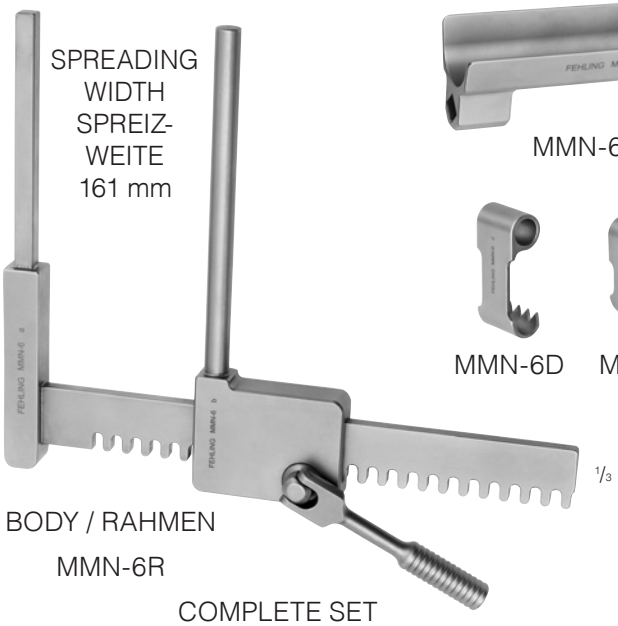
MMN-6C



1/3

MMN-6D MMN-6E

SPREADING WIDTH
SPREIZ-WEITE
161 mm



1/3

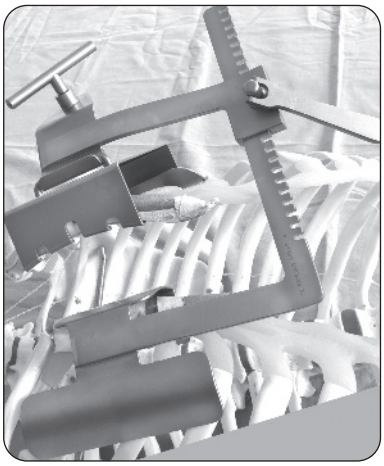
BODY / RAHMEN

MMN-6R

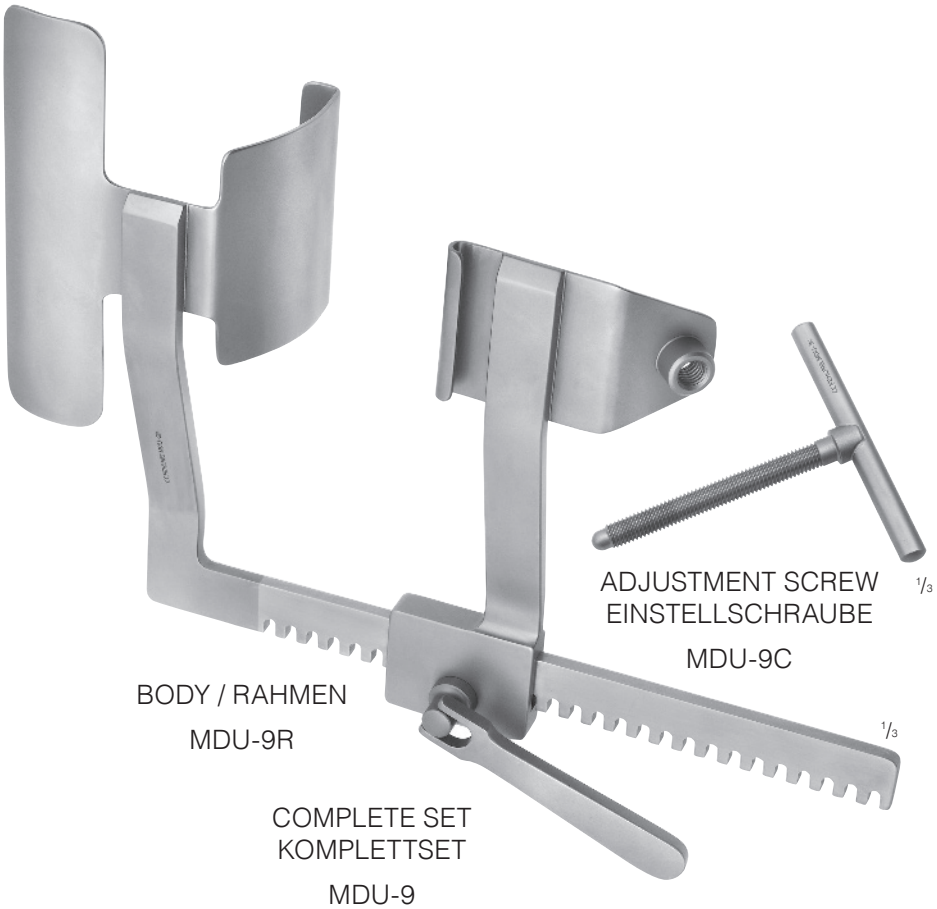
COMPLETE SET
KOMPLETTSET

MMN-6

J-VERSION



exemplary configuration
Konfigurationsbeispiel



ADJUSTMENT SCREW
EINSTELLSCHRAUBE

1/3

MDU-9C

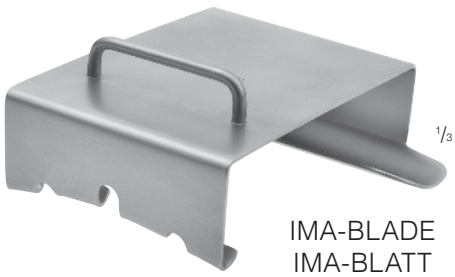
BODY / RAHMEN

MDU-9R

1/3

COMPLETE SET
KOMPLETTSET

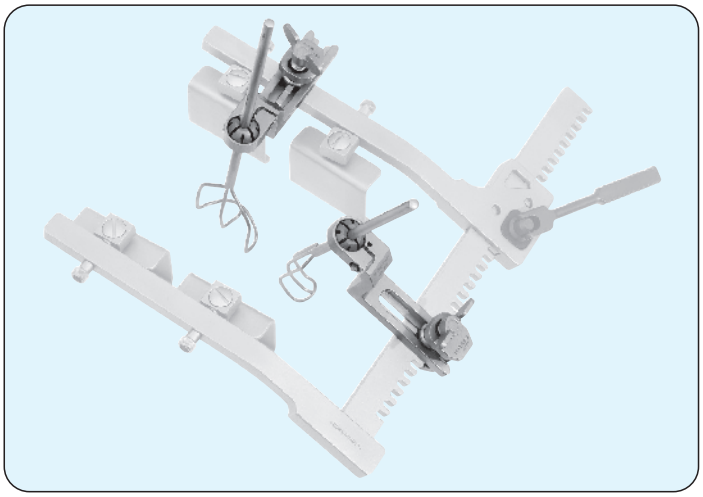
MDU-9



1/3

IMA-BLADE
IMA-BLATT

MDU-9B



exemplary configuration
Konfigurationsbeispiel

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

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

For adapters with wing screw no screwdriver required.

Für Adapter mit Flügelschraube kein Schraubendreher erforderlich





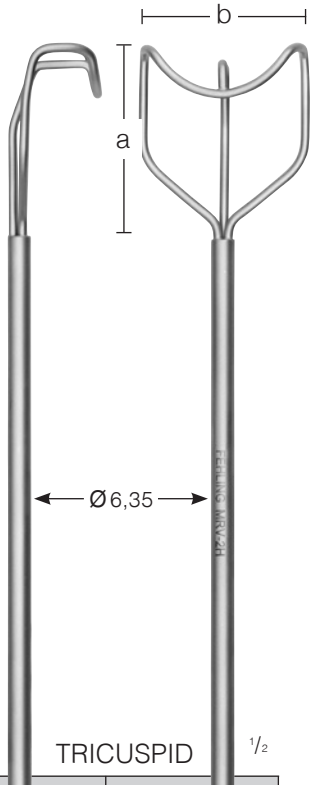
1/2

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

MRV-0F + MZZ-1N

* additional suitable adapters and clamping elements see page 2/24
* Weitere passende Adapter und Befestigungselemente siehe Seite 2/24

HOHE ATRIAL RETRACTORS, MALLEABLE
HOHE VORHOFHAKEN, BIEGSAM



TRICUSPID

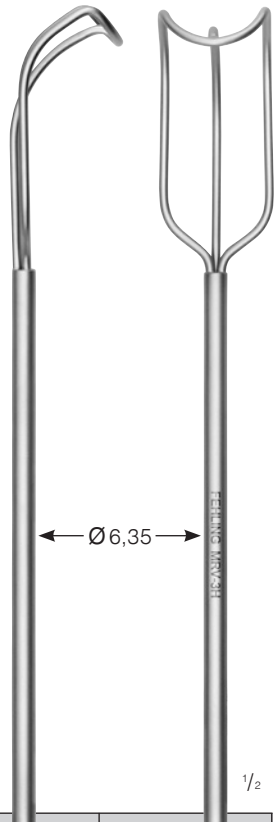
1/2

LENGTH LÄNGE	45 x 45 mm a x b
150 mm	MRV-2H
200 mm	MRV-2L



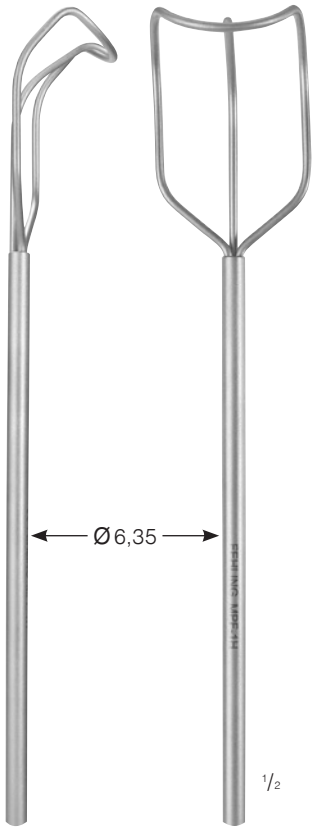
1/2

LENGTH LÄNGE	65 x 20 mm a x b
150 mm	MRV-4H
200 mm	MRV-4L



1/2

LENGTH LÄNGE	65 x 30 mm a x b
150 mm	MRV-3H
200 mm	MRV-3L

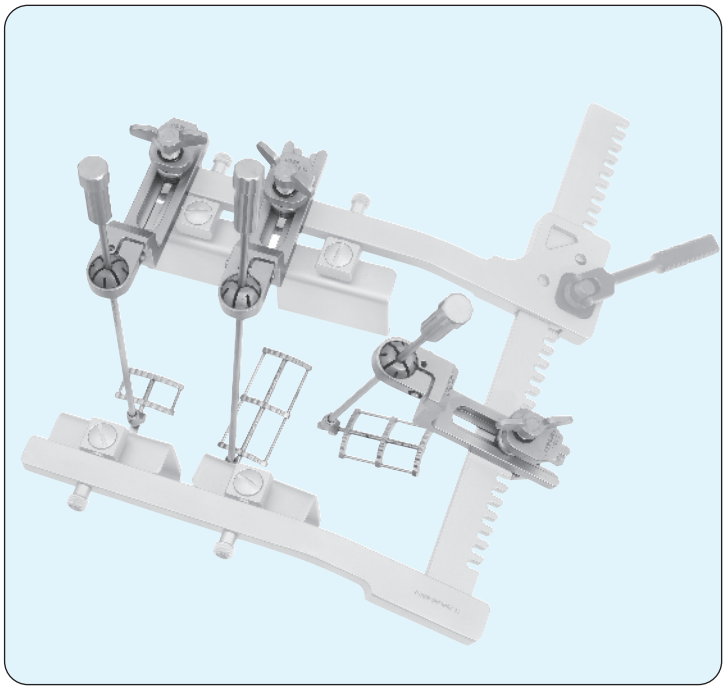


1/2

65 x 40 mm
a x b

200 mm

MPF-1H



exemplary configuration
Konfigurationsbeispiel

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

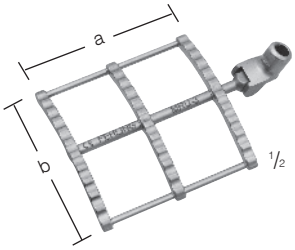
Innenliegende Schraube verhindert Einklemmen von Fäden und spart Platz; Kardan Schraubendreher LMT-4 zum Anziehen erforderlich.





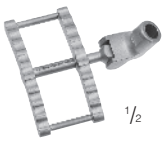
BLADE GUIDE
HAKENFÜHRUNG
220 mm

MRN-3



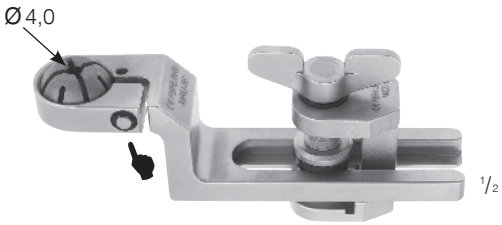
ATRIAL BLADE
VORHOFBÜGEL

a x b	
45 x 30 mm	MRU-1
60 x 30 mm	MRU-2
45 x 45 mm	MRU-3
60 x 45 mm	MRU-4



ATRIAL BLADE
FOR TRICUSPIDAL VALVE
VORHOFBLATT
FÜR TRIKUSPIDALKLAPPE
18 x 35 mm

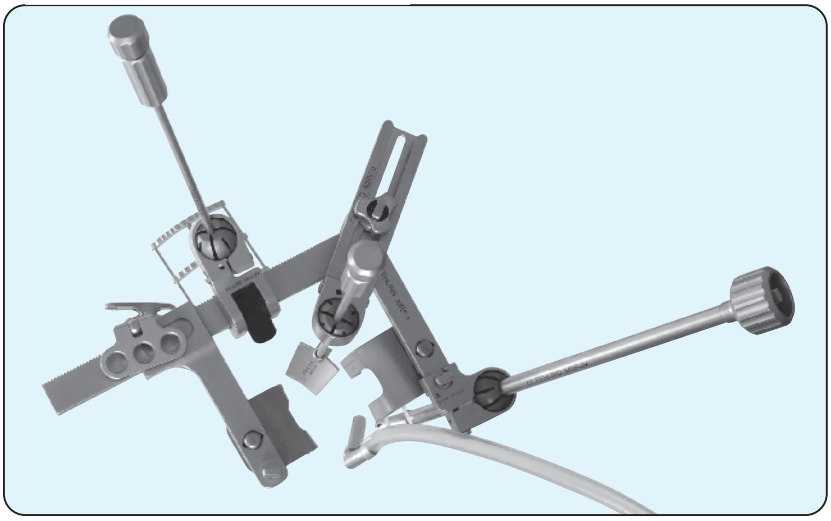
MRU-5



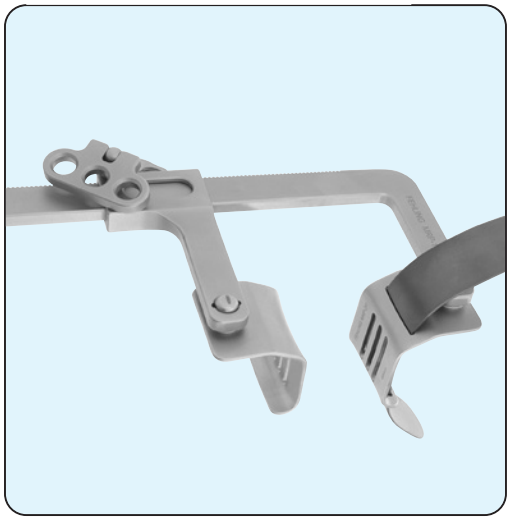
BALL JOINT ADAPTER BAYONET*
LENGTH AND HEIGHT VARIABLE
+ CLAMPING ELEMENT
KUGELADAPTER, BAYONETT*
LÄNGE UND HÖHE VARIABEL
+ BEFESTIGUNGSELEMENT

MRU-8F + MZZ-1Q

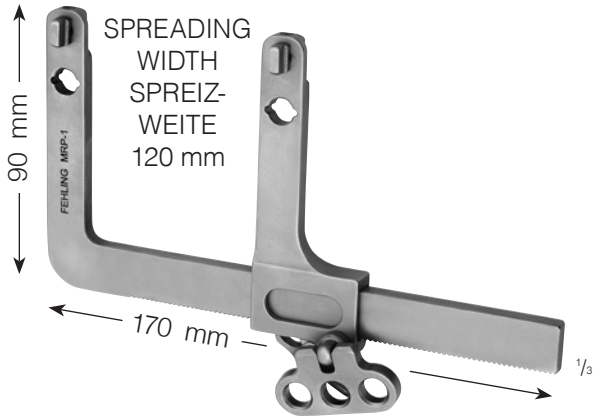
* additional suitable adapters and clamping elements see page 2/24
* Weitere passende Adapter und Befestigungselemente siehe Seite 2/24



exemplary configuration
Konfigurationsbeispiel

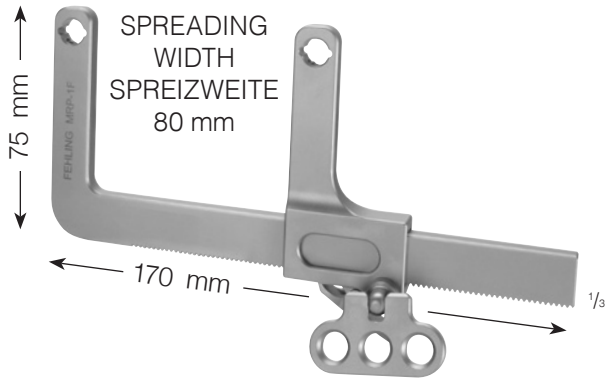


exemplary configuration
Konfigurationsbeispiel



INTERCOSTAL RETRACTOR
INTERCOSTALSPREIZER

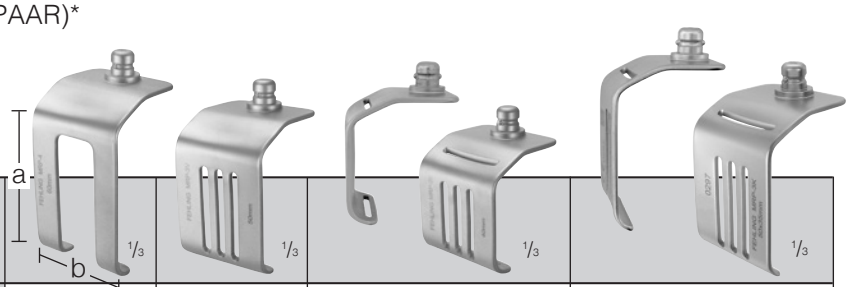
MRP-1



INTERCOSTAL RETRACTOR SHORT ARM
INTERCOSTALSPREIZER KURZARM

MRP-1F

RETRACTING BLADES (PAIR)*
HALTEBLÄTTER (PAAR)*



BLADE SIZE BLATTGRÖSSE a x b				
40 x 35 mm	MRP-2	MRP-2V	MRP-2F	MRP-2K
50 x 35 mm	MRP-3	MRP-3V	MRP-3F	MRP-3K
60 x 35 mm	MRP-4	MRP-4V	MRP-4F	MRP-4K
70 x 35 mm	MRO-7	MRO-7V		
80 x 35 mm		MRQ-7		
90 x 35 mm		MRQ-8		
100 x 35 mm		MRQ-9		

*auxiliary tool: blade ejector NGM-6 see page 2/39
*Hilfsmittel: Blattentferner NGM-6 siehe Seite 2/39



CERAMO® SUPERPLAST
SPATULA
SPATEL
24 x 250 mm

EOJ-7

MVR RETRACTOR ACCESSORIES
MKR SPREIZER ZUBEHÖR



BLADE GUIDE
HAKENFÜHRUNG
220 mm

MRN-3

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

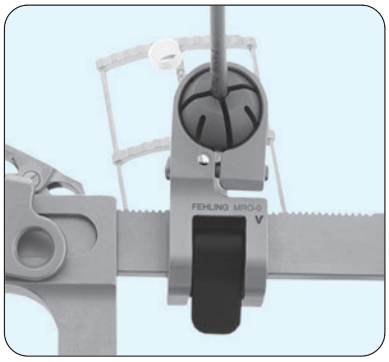
Innenliegende Schraube verhindert Einklemmen von Fäden und spart Platz; Kardan Schraubendreher LMT-4 zum Anziehen erforderlich.

For adapters with wing screw no screwdriver required.

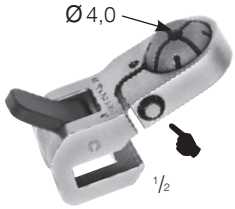
Für Adapter mit Flügelschraube kein Schraubendreher erforderlich.



RETRACTION OF THE AORTIC ROOF
RETRAKTION DES VORHOFDACHS



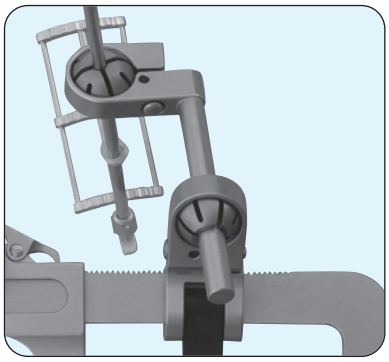
exemplary configuration
Konfigurationsbeispiel



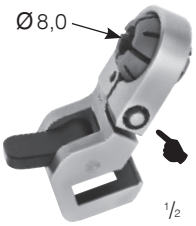
BALL ADAPTER
KUGELADAPTER

MRO-0V*

* with wing screw: MRO-0
* mit Flügelschraube: MRO-0



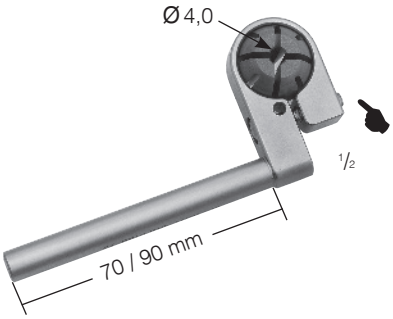
exemplary configuration
Konfigurationsbeispiel



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

MRR-1V*

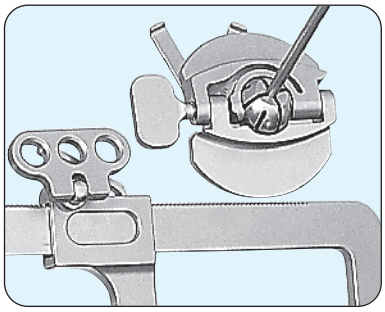
* with wing screw: MRR-1
* mit Flügelschraube: MRR-1



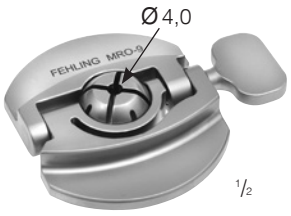
BALL ADAPTER
WITH DISTANCE ELEVATOR
KUGELADAPTER
MIT DISTANZHEBEL

70 mm	90 mm
MRR-2V*	MRR-2L

* with wing screw: MRR-2
* mit Flügelschraube: MRR-2

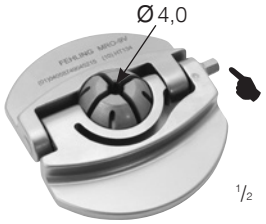


exemplary configuration
Konfigurationsbeispiel



FIXATION DEVICE FOR MRN-3
(FOR EXTERNAL STAB INCISION)
FIXIERVORRICHTUNG FÜR MRN-3
(FÜR SEPARATE STICHINZISION)

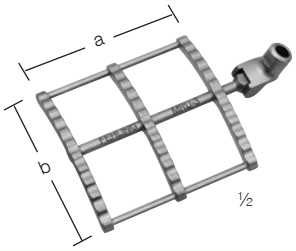
MRO-9



FIXATION DEVICE FOR MRN-3
(FOR EXTERNAL STAB INCISION)
FIXIERVORRICHTUNG FÜR MRN-3
(FÜR SEPARATE STICHINZISION)

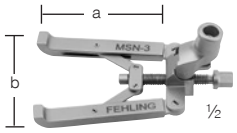
MRO-9V

MVR RETRACTOR ACCESSORIES
MKR SPREIZER ZUBEHÖR



ATRIAL BLADE
VORHOFBÜGEL

a x b	
30 x 30 mm	MRX-2
30 x 45 mm	MRX-3
45 x 30 mm	MRU-1
60 x 30 mm	MRU-2
45 x 45 mm	MRU-3
60 x 45 mm	MRU-4



ATRIAL RETRACTOR, EXPANDABLE*
VORHOFGABEL, AUFSPREIZBAR*

a x b	
35 x 25 mm	MSN-2
55 x 30 mm	MSN-3

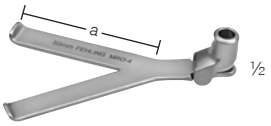
*cardan screw driver LMT-4 required
Kardanschraubendreher LMT-4 erforderlich





ATRIAL BLADE
VORHOFBLATT

a x b	
30 x 8 mm	MRN-4
40 x 8 mm	MRN-5
50 x 8 mm	MRN-6



ATRIAL HOOK
VORHOFGABEL

- a -	
30 mm	MRO-2
40 mm	MRO-3
50 mm	MRO-4
60 mm	MRO-5
70 mm	MRO-6

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



GUIDING FORCEPS
FÜHRUNGSZANGE
260 mm

MRN-7

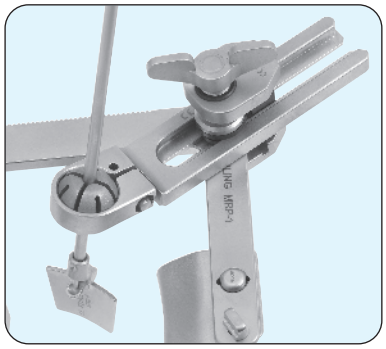


GUIDING CLAMP
FÜHRUNGSKLEMME

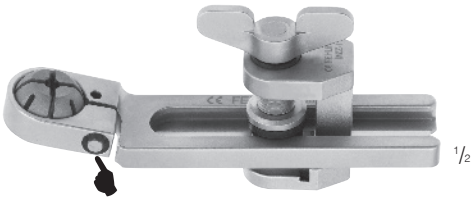
MRU-9

MVR RETRACTOR ACCESSORIES
MKR SPREIZER ZUBEHÖR

HOLDING THE SEPTAL FOLD DOWN
NIEDERHALTEN DER SEPTUMFALTE



exemplary configuration
Konfigurationsbeispiel



½

BALL JOINT ADAPTER
+ CLAMPING ELEMENT
KUGELADAPTER, GERADE
+ BEFESTIGUNGSELEMENT

MRV-9F + MZZ-1Q*

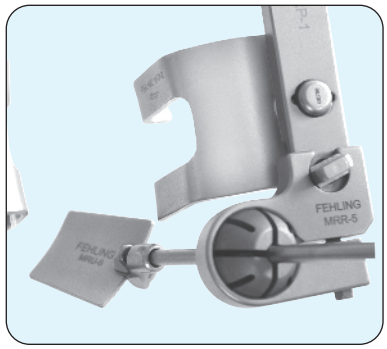
* additional suitable adapters and clamping elements see page 2/24
* Weitere passende Adapter und Befestigungselemente siehe Seite 2/24



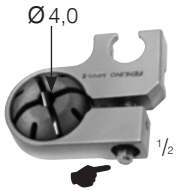
½

RETAINER FOR SEPTAL FOLD
AND DIAPHRAGM
NIEDERHALTER FÜR SEPTUMFALTE
UND ZWERCHFELL

MRU-6



exemplary configuration
Konfigurationsbeispiel



Ø 4,0

½



Ø 4,0

½

BALL ADAPTER
KUGELADAPTER

LEFT / LINKS

MRR-5

only with MRP-1
nur mit MRP-1

RIGHT / RECHTS

MRR-6

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

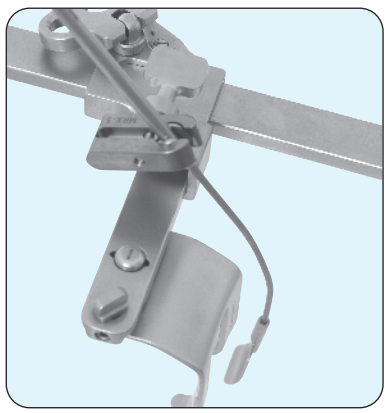
Innenliegende Schraube verhindert Einklemmen von Fäden und spart Platz; Kardan Schraubendreher LMT-4 zum Anziehen erforderlich.

For adapters with wing screw no screwdriver required.

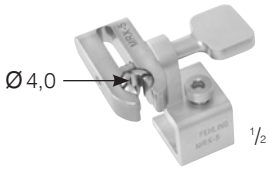
Für Adapter mit Flügelschraube kein Schraubendreher erforderlich



RETRACTION OF THE MV CUSP
RETRAKTION DES MK-SEGELS



exemplary configuration
Konfigurationsbeispiel



Ø 4,0

½

* Scewdriver TXW-9X required.

* Schraubendreher TXW-9X erforderlich.



BALL JOINT ADAPTER MINI FRONT LOAD
KUGELADAPTER MINI FRONT LOAD

MRX-5*



Ø 4,0

½

SUPERPLAST
MALLEABLE RETRACTOR FOR MV CUSP
BIEGBARER RETRAKTOR FÜR MK-SEGEL
250 mm

MRX-1V



Ø 4,0

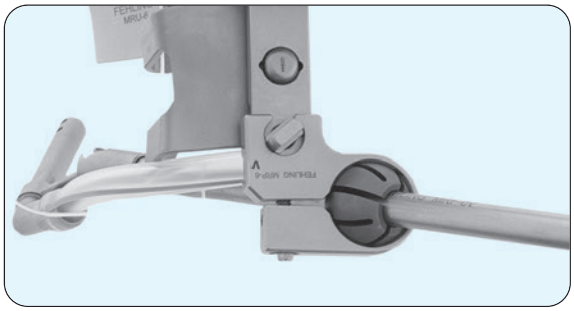
½

SUPERPLAST
MALLEABLE LID HOOK
BIEGBARER LIDHAKEN
12 x 14 x 250 mm

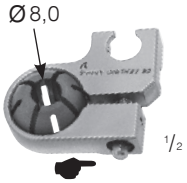
MRX-6

MVR RETRACTOR ACCESSORIES
MKR SPREIZER ZUBEHÖR

HOLDING THE INCISED ATRIUM OPEN
OFFENHALTEN DES INZIDIERTEN VORHOFS



exemplary configuration
Konfigurationsbeispiel



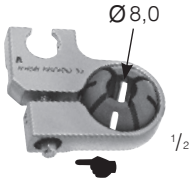
BALL ADAPTER
KUGELADAPTER

LEFT / LINKS

MRP-5V*

* with wing screw: MRP-5
* mit Flügelschraube: MRP-5

only with MRP-1
nur mit MRP-1



RIGHT / RECHTS

MRP-6V*

* with wing screw: MRP-6
* mit Flügelschraube: MRP-6



BLADE GUIDE
HAKENFÜHRUNG
200 mm

MRF-0V



INSERTION FORCEPS FOR MRJ-5,6,7
EINFÜHRZANGE FÜR MRJ-5,6,7

MRJ-4

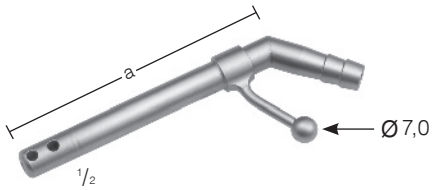
Inside screw prevents jammed sutures and is space saving; cardan screwdriver LMT-4 required for tightening.

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

For adapters with wing screw no screwdriver required.

Für Adapter mit Flügelschraube kein Schraubendreher erforderlich.

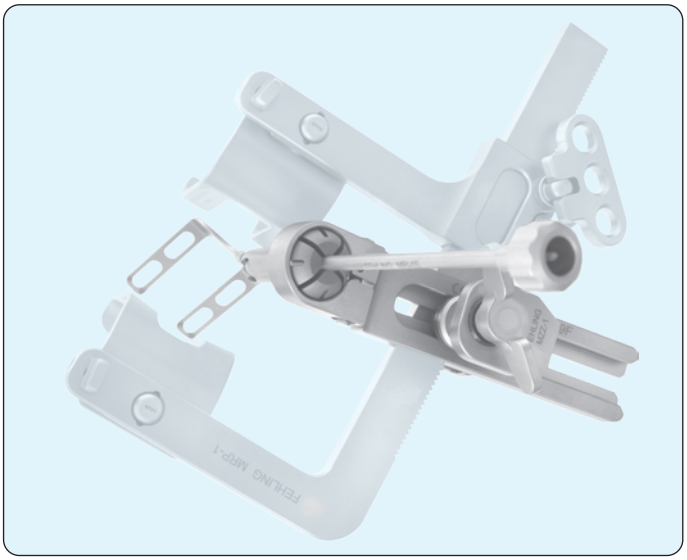




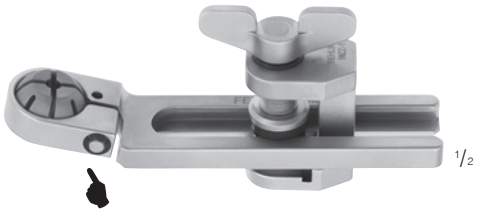
LATERAL ATRIAL RETRACTOR /
SUCTION DEVICE
SAUGNIEDERHALTER FÜR
LATERALE RETRAKTION DES VORHOFS

DEPTH TIEFE a	
60 mm	MRJ-5
70 mm	MRJ-6
80 mm	MRJ-7

MIDCAB/OPCAB RETRACTOR ACCESSORIES
MIDCAB/OPCAB SPREIZER ZUBEHÖR



exemplary configuration
Konfigurationsbeispiel



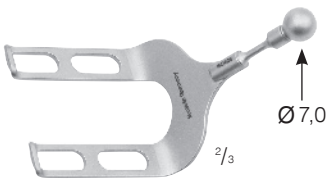
BALL JOINT ADAPTER
LENGTH AND HEIGHT VARIABLE
+ CLAMPING ELEMENT
KUGELADAPTER, GERADE
LÄNGE UND HÖHE VARIABEL
+ BEFESTIGUNGSELEMENT

MRV-9F + MZZ-1Q



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

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



MYOCARDIAL MUSCLE STABILIZER
HERZMUSKELSTABILISATOR

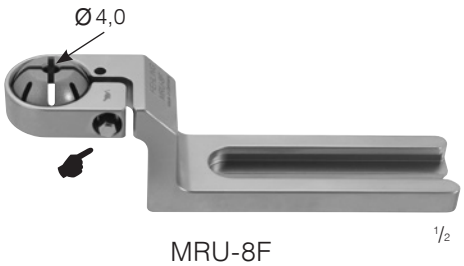
MRR-3V



BLADE GUIDE
HAKENFÜHRUNG

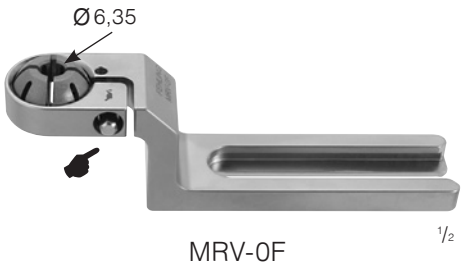
LENGTH LÄNGE	
120 mm	MRI-0S
200 mm	MRI-0L

ADAPTERS ADJUSTABLE IN HEIGHT AND LENGTH
HÖHEN- UND LÄNGENVERSTELLBARE ADAPTER



MRU-8F

WITH INSIDE SCREW
MIT INNENLIEGENDER SCHRAUBE



MRV-0F

WITH INSIDE SCREW
MIT INNENLIEGENDER SCHRAUBE

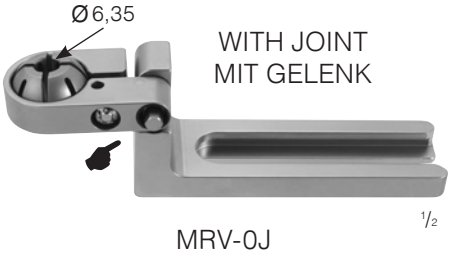
Inside screw prevents jammed sutures and is space saving; cardan screwdriver LMT-4 required for tightening.

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

For adapters with wing screw no screwdriver required.

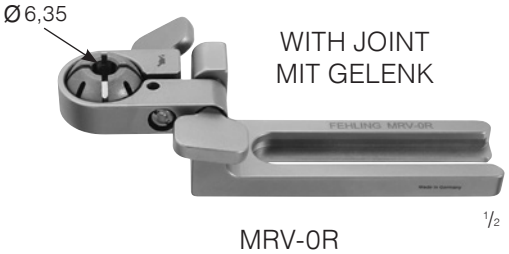
Für Adapter mit Flügelschraube kein Schraubendreher erforderlich.





MRV-0J

WITH INSIDE SCREW
MIT INNENLIEGENDER SCHRAUBE



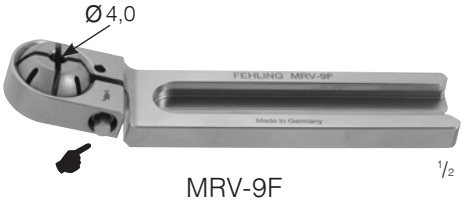
MRV-0R

WITH WING SCREW
MIT FLÜGELSCHRAUBE



MRV-1F

WITH INSIDE SCREW
MIT INNENLIEGENDER SCHRAUBE



MRV-9F

WITH INSIDE SCREW
MIT INNENLIEGENDER SCHRAUBE

SUITABLE CLAMPING ELEMENTS
PASSENDE BEFESTIGUNGSELEMENTE



MZZ-1N

SUITABLE TO RETRACTOR
BAR HEIGHT
PASSEND ZU SPREIZER
BALKENHÖHE
3,0 - 13,0 mm



MZZ-1Q

SUITABLE TO RETRACTOR
BAR HEIGHT
PASSEND ZU SPREIZER
BALKENHÖHE
4,5 - 13,0 mm



MZZ-2

SUITABLE TO RETRACTOR
BAR HEIGHT
PASSEND ZU SPREIZER
BALKENHÖHE
4,5 - 13,0 mm

FANTASMICS

FOR MINIMALLY INVASIVE SURGERY
FÜR MINIMALINVASIVE CHIRURGIE

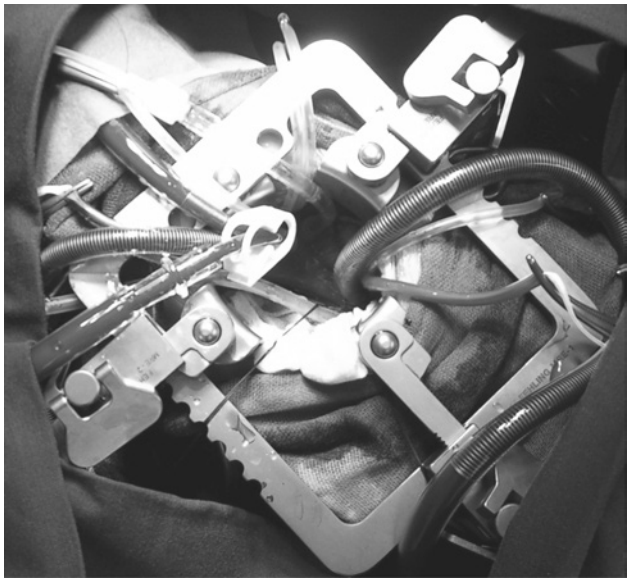


1/2

BODY / RAHMEN

MRE-1V

including / einschliesslich
1 x MRE-3V
1 x MRE-8V
1 x MRD-9V



exemplary configuration
Konfigurationsbeispiel



1/1

CROSS BRACKET FOR BLADES
QUERBÜGEL FÜR HALTEBLÄTTER
35 mm

MRD-8V



1/1

COUPLING RIDER
FIXIERSCHLITTEN

MRE-2V



1/1

CROSS BRACKET FOR BLADES
QUERBÜGEL FÜR HALTEBLÄTTER
60 mm

MRD-9V



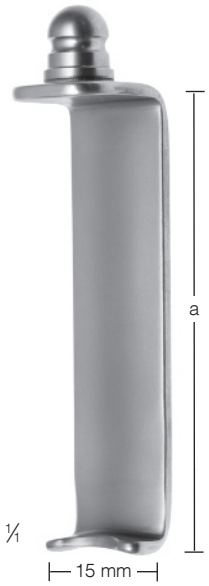
1/1

BLADE GUIDE
HAKENFÜHRUNG

MRE-3V

FANTASMICS

FOR MINIMALLY INVASIVE SURGERY
FÜR MINIMALINVASIVE CHIRURGIE

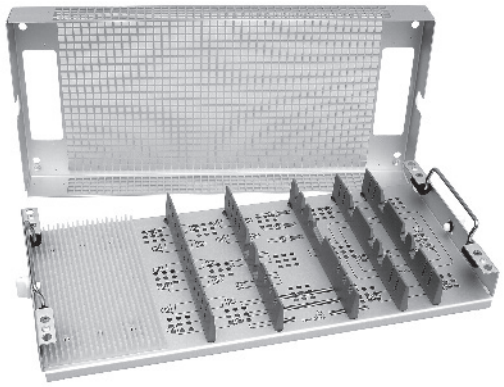


1/1

RETRACTING BLADES*
HALTEBLÄTTER*

DEPTH TIEFE a	
35 mm	MRI-1
45 mm	MRI-2
55 mm	MRI-3
65 mm	MRI-4
75 mm	MRI-5
85 mm	MRI-6
95 mm	MRI-7

*auxiliary tool: blade ejector NGM-6 see page 2/39
*Hilfsmittel: Blattentferner NGM-6 siehe Seite 2/39



1/10

STORAGE AND
STERILISATION TRAY
AUFBEWAHRUNGS- UND
STERILISATIONSCONTAINER
511 x 243 mm

MRE-0

a x b = 12 x 7,5 mm

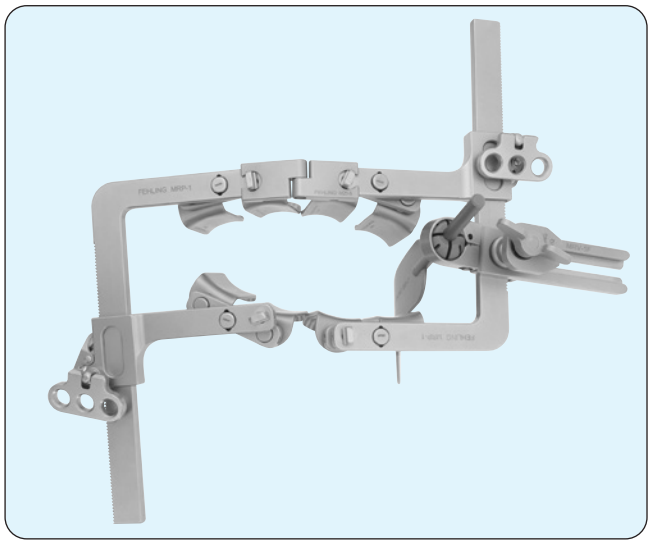


2/3

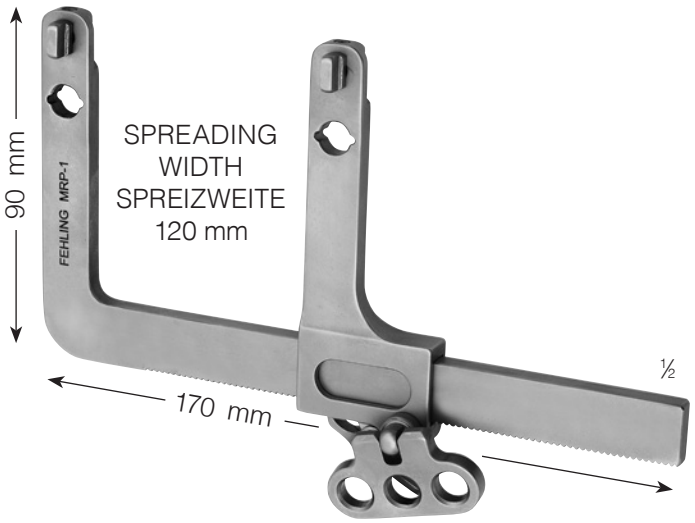
MINI THORACOTOMY RETRACTOR (PEDIATRIC)
MINI-THORAKOTOMIESPREIZER (PÄDIATRISCH)
115 mm

MSD-5

RETRACTOR FOR MILuTX
RETRAKTOR FÜR MILuTX

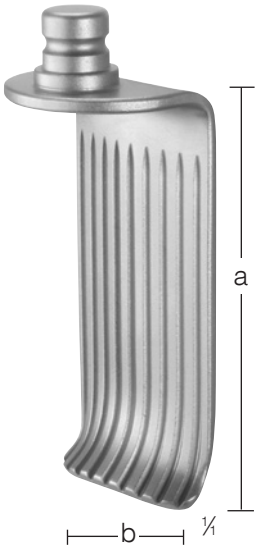


exemplary configuration
Konfigurationsbeispiel



MICS INTERCOSTAL RETRACTOR
MICS INTERCOSTALSPREIZER

MRP-1



RETRACTING BLADES*
HALTEBLÄTTER*

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

* auxiliary tool: blade ejector NGM-6 see catalogue 2/39
Hilfsmittel: Blattentferner NGM-6 siehe Katalog 2/39



HINGE CONNECTOR
GELENKVERBINDER

MZI-5



CROSS BRACKET FOR RETRACTING BLADES
QUERBÜGEL FÜR HALTEBLÄTTER
35 mm

MRD-8V



CROSS BRACKET FOR RETRACTING BLADES
QUERBÜGEL FÜR HALTEBLÄTTER
60 mm

MRD-9V

RETRACTOR FOR MILuTX
RETRAKTOR FÜR MILuTX

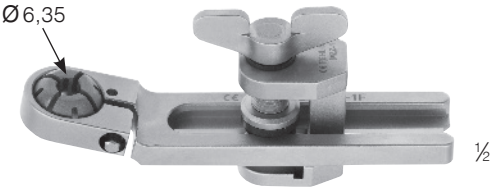
SUPERPLAST
LUNG/DIAPHRAGM RETRACTOR, MALLEABLE (Ø 6,35)
LUNGEN-/ZWERCHFELLRETRAKTOR, BIEGSAM (Ø 6,35)



THICKNESS STÄRKE	70x35x225 mm
1,25 mm	MRV-7V
2,0 mm	MRV-7



THICKNESS STÄRKE	70x35x182 mm
1,25 mm	MRV-8V
2,0 mm	MRV-8

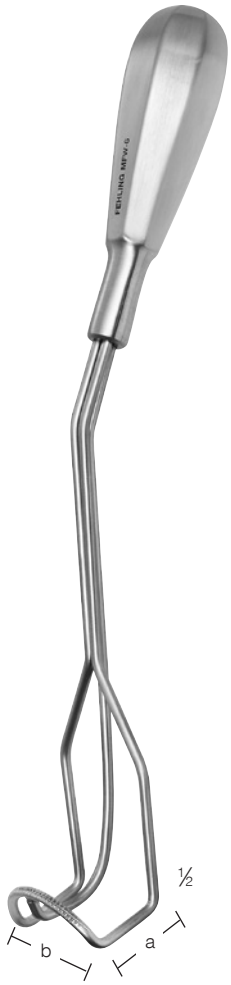


BALL JOINT ADAPTER
LENGTH AND HEIGHT VARIABLE
+ CLAMPING ELEMENT
KUGELADAPTER, GERADE
LÄNGE + HÖHE VARIABEL
+ BEFESTIGUNGSELEMENT

MRV-1F + MZZ-1Q*

* additional suitable adapters and clamping elements see page 2/24
* Weitere passende Adapter und Befestigungselemente siehe Seite 2/24

COOLEY



LEFT / LINKS

a x b	LENGTH / LÄNGE 240 mm
25 x 20 mm	MFV-9
25 x 25 mm	MFW-7
25 x 30 mm	MFW-0
25 x 35 mm	MFW-6
25 x 45 mm	MFW-5



RIGHT / RECHTS

a x b	LENGTH / LÄNGE 240 mm
25 x 20 mm	MFV-6
40 x 25 mm	MFW-4
40 x 30 mm	MFV-7
40 x 35 mm	MFW-3
40 x 45 mm	MFW-2
50 x 35 mm	MFV-8



HOOK LENGTH
HAKENLÄNGE
9 mm

BLUNT
STUMPF

SHUNT RETRACTOR
SHUNTSPREIZER
70 mm

ECF-0



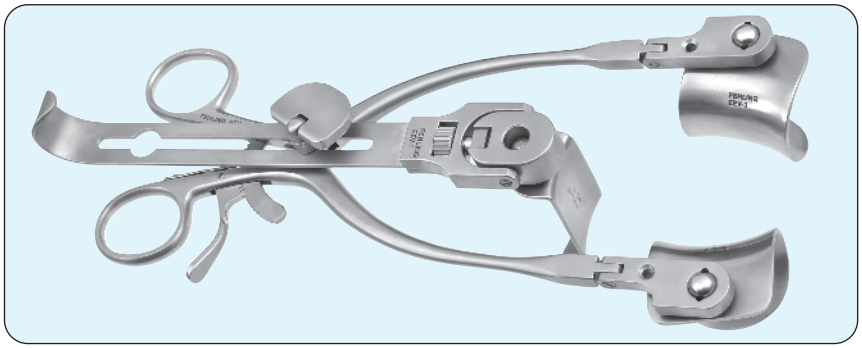
MAYO-ADAMS
RETRACTOR
WUNDSPREIZER
170 mm

ECG-7

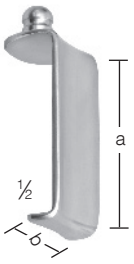


SPREADING WIDTH
SPREIZWEITE
MAX. 80 x 100 mm
210 mm

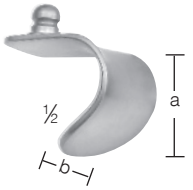
EEV-1



exemplary configuration
Konfigurationsbeispiel



RETRACTING BLADES*
HALTEBLÄTTER*



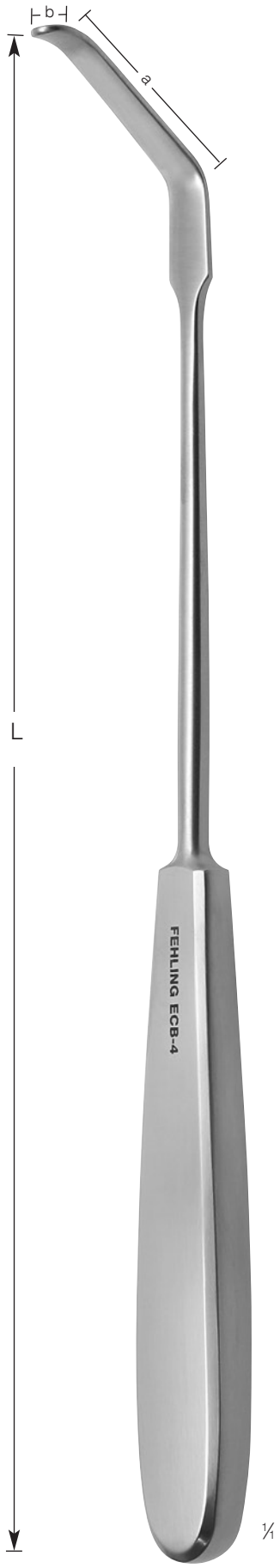
ROUX
RETRACTING BLADES*
HALTEBLÄTTER*

BLADE SIZE BLATTGRÖSSE a x b	
35 x 24 mm	MRE-5V
45 x 24 mm	MRE-6V
55 x 24 mm	MRE-7V

BLADE SIZE BLATTGRÖSSE a x b	
23 x 30 mm	EEV-2
28 x 38 mm	EEV-3
33 x 45 mm	EEV-4

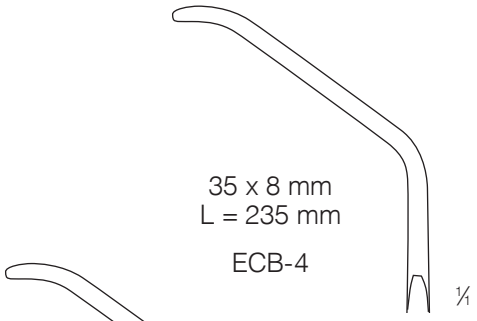
*auxiliary tool: blade ejector NGM-6 see page 2/39
*Hilfsmittel: Blattentferner NGM-6 siehe Seite 2/39

ZENKER

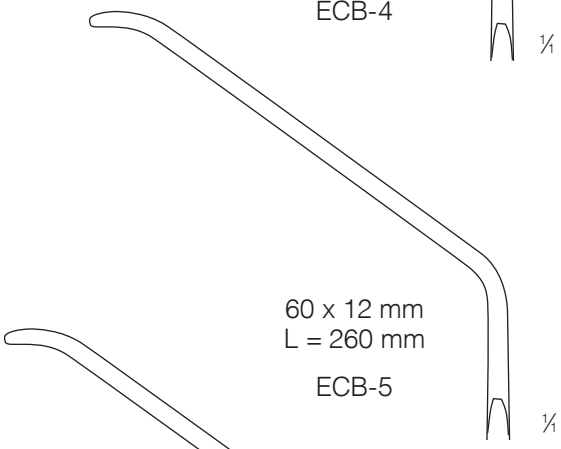


1/1

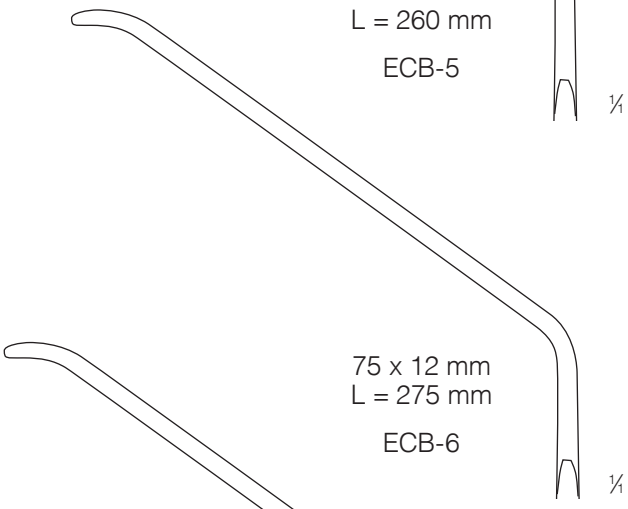
35 x 8 mm
L = 235 mm
ECB-4



60 x 12 mm
L = 260 mm
ECB-5

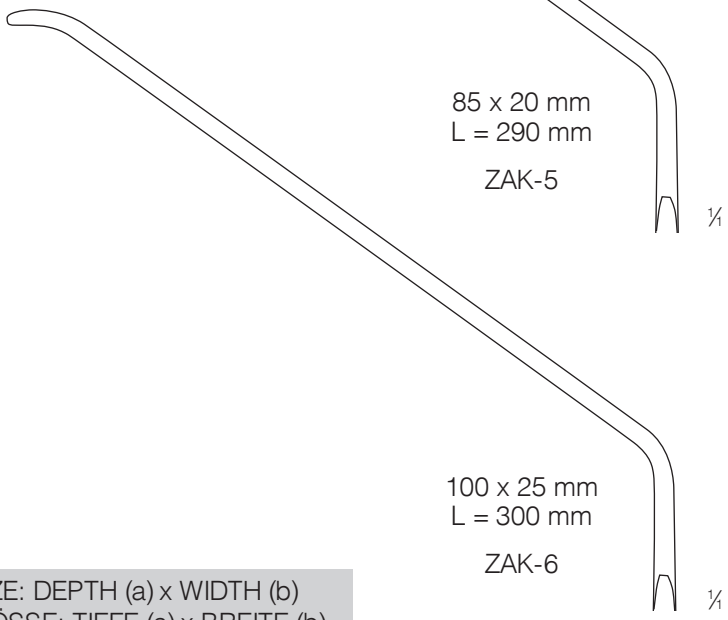


75 x 12 mm
L = 275 mm
ECB-6



85 x 20 mm
L = 290 mm
ZAK-5

100 x 25 mm
L = 300 mm
ZAK-6



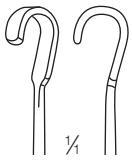
BLADE SIZE: DEPTH (a) x WIDTH (b)
BLATTGRÖSSE: TIEFE (a) x BREITE (b)

CERAMO®



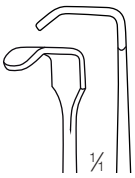
175 mm

ASD/VSD RETRACTOR
HERZDEFEKTHAKEN

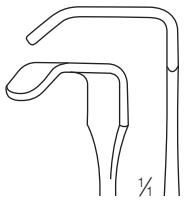


3 x 5 mm
EOB-7

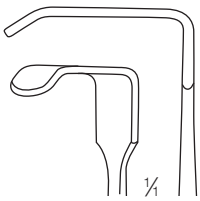
LANGENBECK



12 x 5 mm
EOB-1

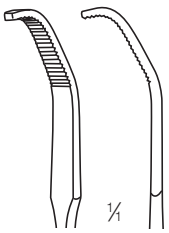


20 x 6 mm
EOB-2

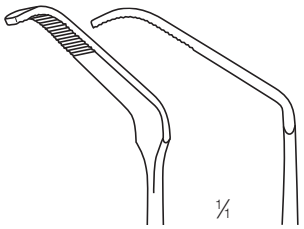


25 x 6 mm
EOB-3

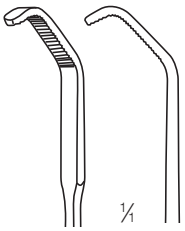
ZENKER



10 x 3 mm
EOB-5



25 x 3 mm
EOB-6



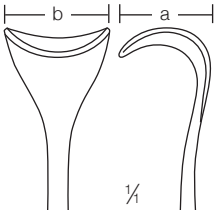
10 x 3 mm
(L=190 mm)
EOB-0

BLADE SIZE: DEPTH (a) x WIDTH (b) BLATTGRÖSSE: TIEFE (a) x BREITE (b)

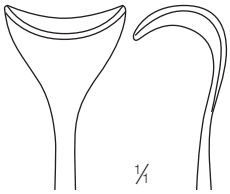
CERAMO®



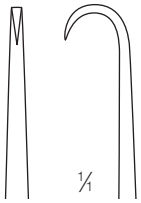
175 mm



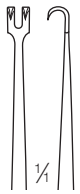
12 x 14 mm
EOA-8



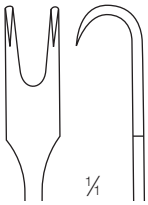
13 x 16 mm
EOA-9



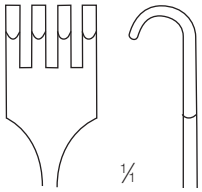
a = 7 mm
pointed / scharf
EOF-1



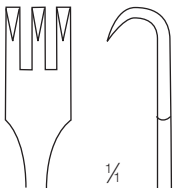
2 x 3 mm
pointed / scharf
EOA-1



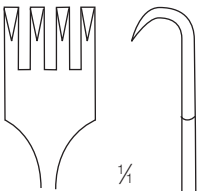
7 x 7 mm
pointed / scharf
EOA-3



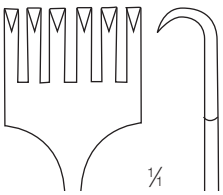
7 x 12 mm
blunt / stumpf
EOF-3



7 x 9 mm
pointed / scharf
EOF-2

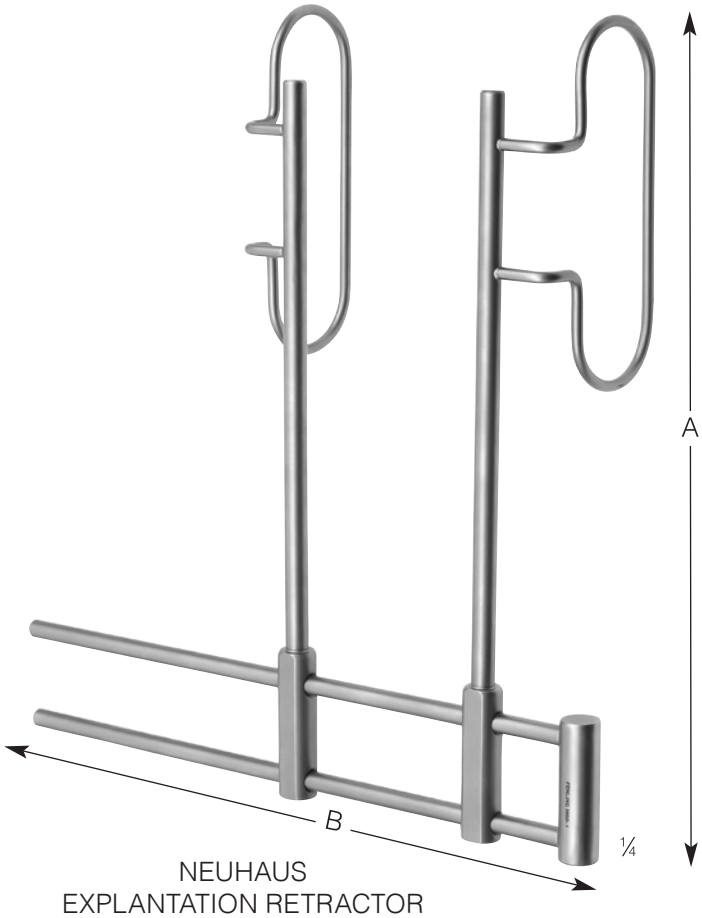


7 x 12 mm
pointed / scharf
EOF-4



7 x 18 mm
pointed / scharf
EOF-5

BLADE SIZE: DEPTH (a) x WIDTH (b) BLATTGRÖSSE: TIEFE (a) x BREITE (b)



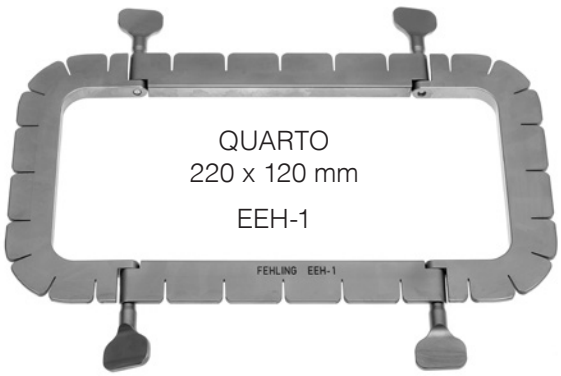
¼

NEUHAUS
EXPLANTATION RETRACTOR
ENTNAHMESPREIZER

BODY SIZE RAHMENGRÖSSE A / B	SPREADING WIDTH SPREIZWEITE	
180 / 180 mm	150 mm	MSD-3
270 / 270 mm	240 mm	MSD-2
360 / 360 mm	330 mm	MSD-1

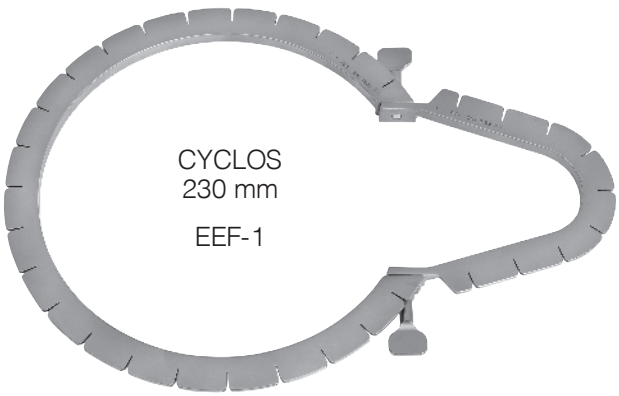
TITANIUM

SOFT TISSUE RETRACTORS
WEICHTEILRETRAKTOREN



QUARTO
220 x 120 mm
EEH-1

⅓



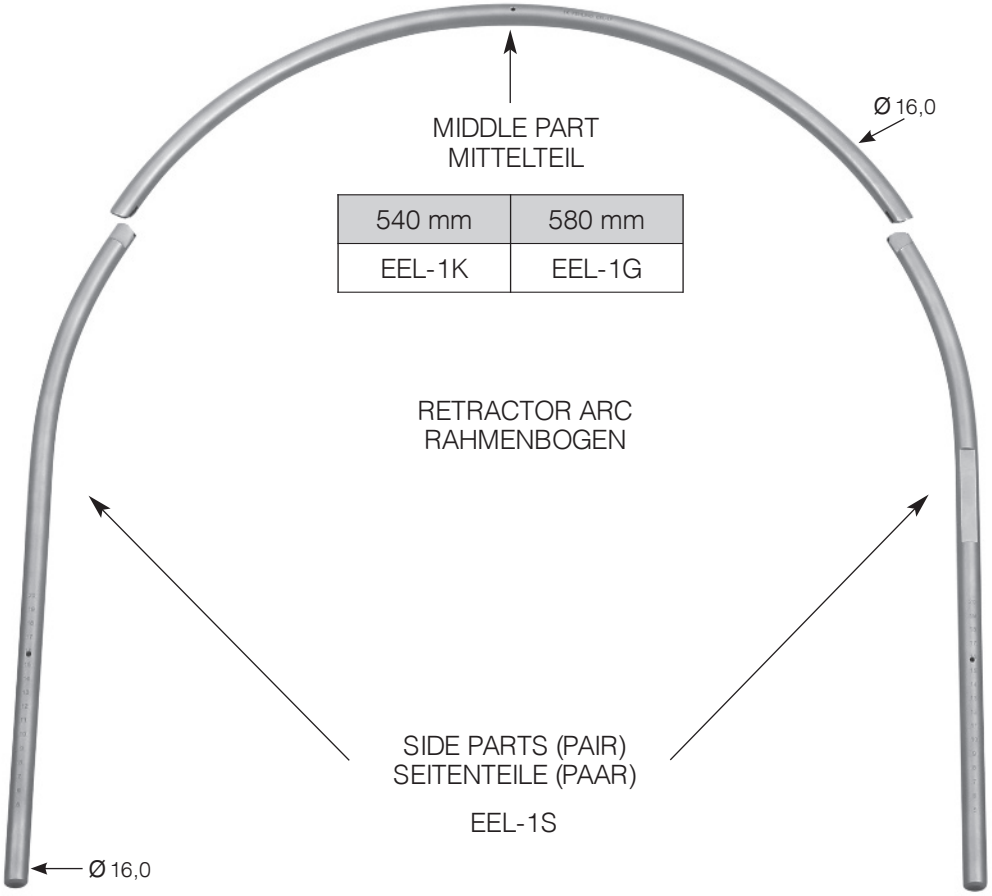
CYCLOS
230 mm
EEF-1

⅓

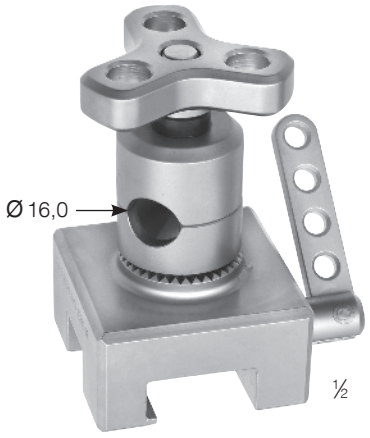
THOREXPO



exemplary configuration
Konfigurationsbeispiel



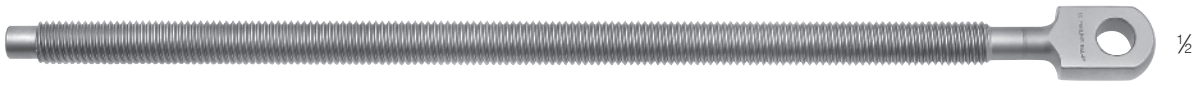
540 mm	580 mm
EEL-1K	EEL-1G



OR-TABLE ADAPTING CLAMP
OP-TISCHHALTEKLAUE

EEK-1F

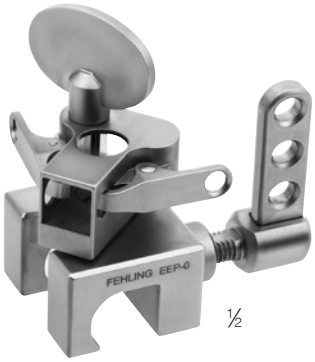
THOREXPO



½

BLADE GUIDE
HAKENFÜHRUNG
300 mm

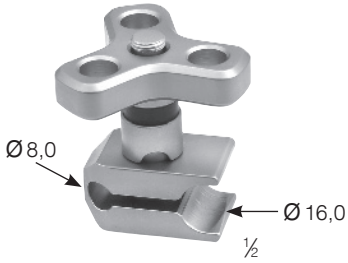
EEL-4F



½

COUPLING RIDER
VERBINDUNGSSCHLITTEN

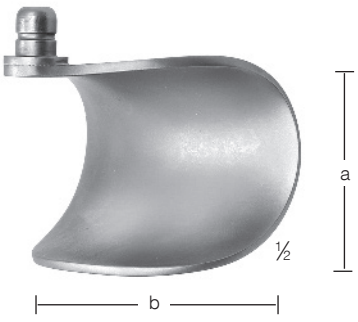
EEP-0



½

CROSS LINK
KREUZVERBINDER

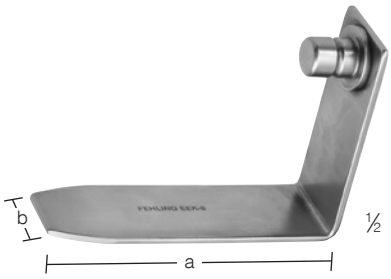
EEM-2F



½

RETRACTING BLADE
HALTEBLATT

BLADE SIZE BLATTGRÖSSE a x b	
41 x 44 mm	EEL-5
41 x 60 mm	EEL-6
46 x 75 mm	EEL-7
65 x 85 mm	EEL-8
85 x 85 mm	EEL-9
90 x 130 mm	EEM-1

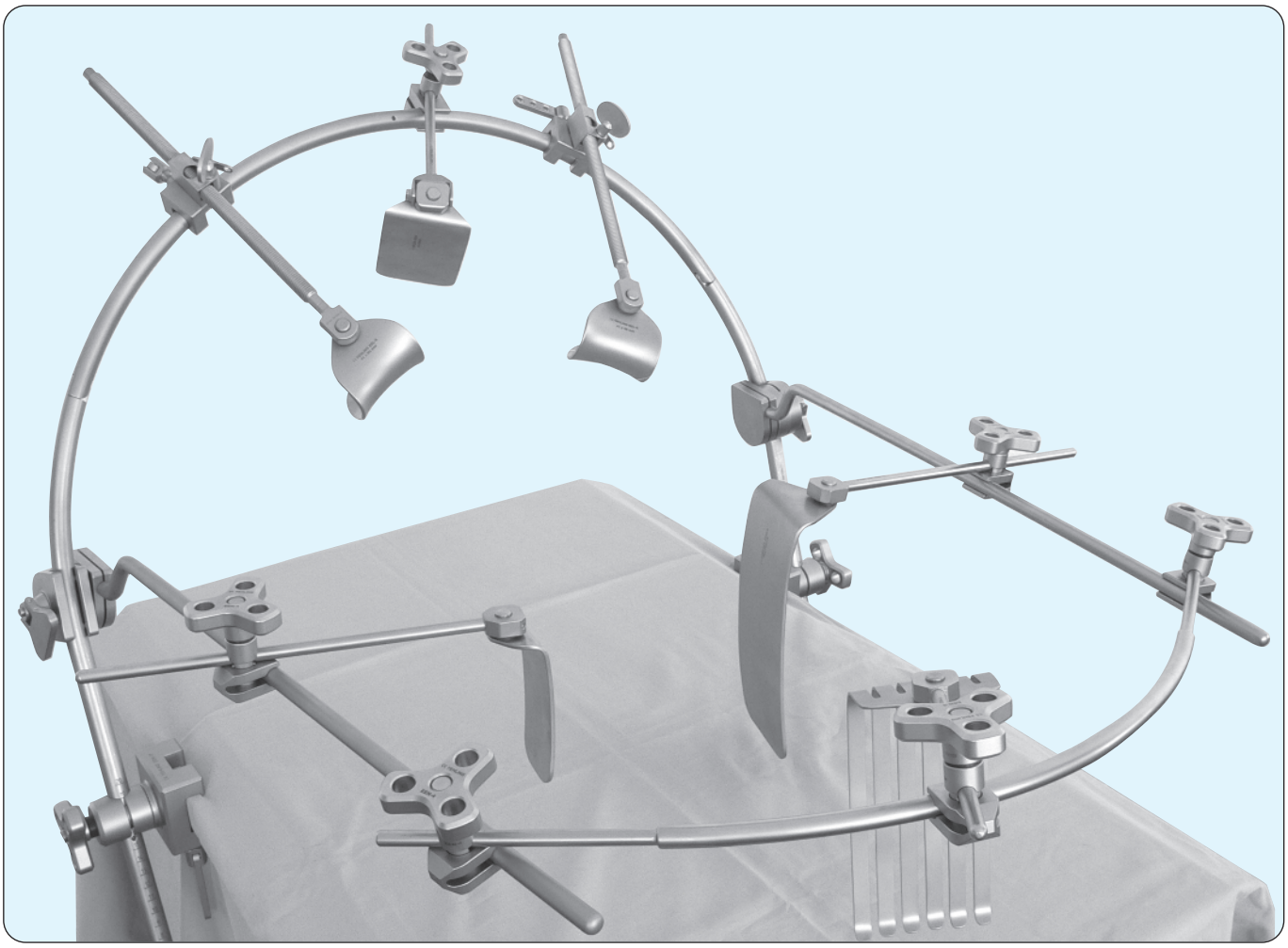


½

MANUBRIUM HOOK
MANUBRIUM HAKEN

BLADE SIZE BLATTGRÖSSE a x b	
75 x 19 mm	EEK-5
75 x 24 mm	EEK-8
95 x 24 mm	EEK-6
95 x 30 mm	EEK-7

VENTREXPO

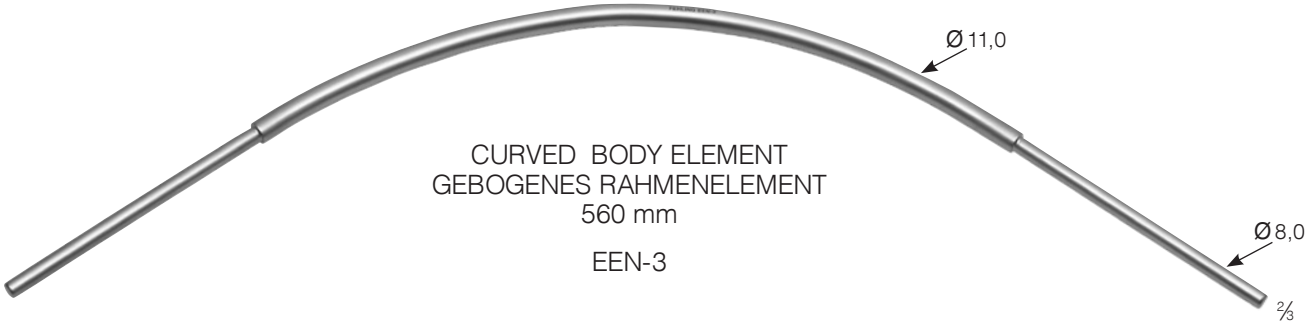


exemplary configuration
Konfigurationsbeispiel



BAYONET-SHAPED BODY ELEMENT
BAYONETT FÖRMIGES RAHMENELEMENT

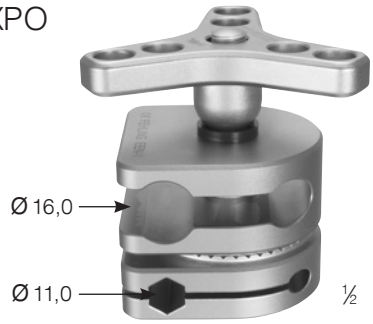
LENGTH LÄNGE	
420 mm	EEN-2K
570 mm	EEN-2V



CURVED BODY ELEMENT
GEBOGENES RAHMENELEMENT
560 mm

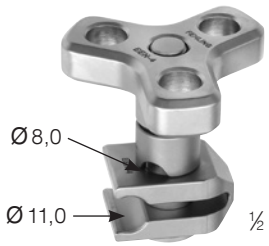
EEN-3

VENTREXPO



CROSS LINK 16/11 (THOREXPO ARC)
KREUZVERBINDER 16/11 (THOREXPO-BOGEN)

EEN-1



CROSS LINK 11/8 (BLADE GUIDE)
KREUZVERBINDER 11/8 (HAKENFÜHRUNG)

EEN-4



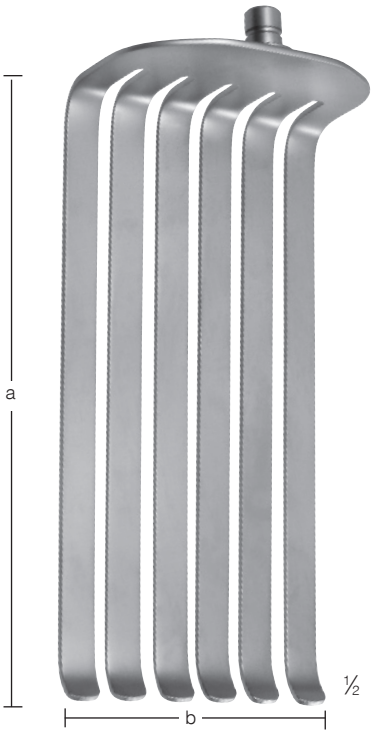
BLADE GUIDE WITH ADJUSTABLE ANGLE
WINKELVERSTELLBARE HAKENFÜHRUNG

LENGTH / LÄNGE	
260 mm	EEN-7
450 mm	EEK-9



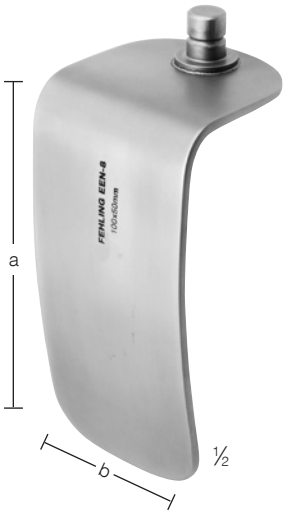
BLADE GUIDE / HAKENFÜHRUNG

LENGTH / LÄNGE	
180 mm	EEN-6
260 mm	EEN-5



INTESTINAL RAKE, MALLEABLE
INTESTINALFÄCHER, BIEGSAM
(a) 160 x (b) 80 (-120) mm

EEM-6



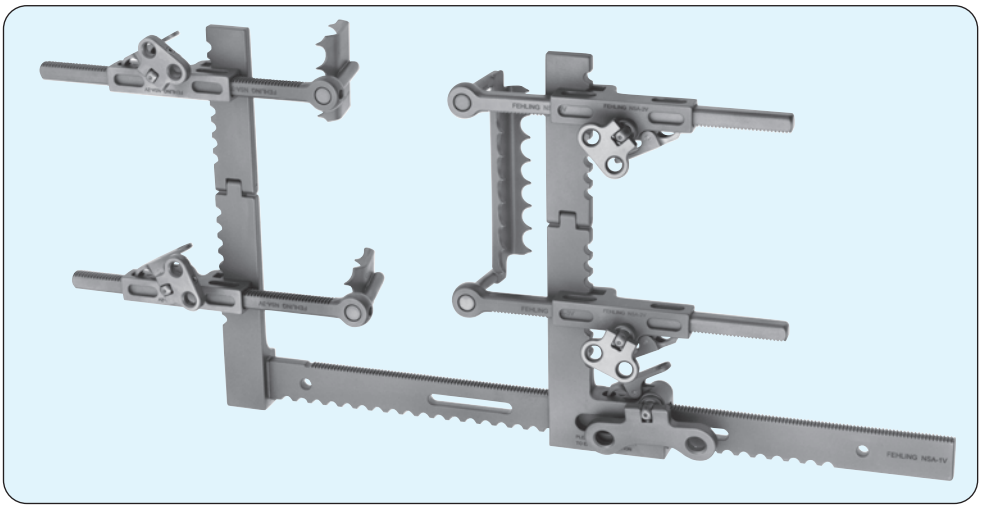
ABDOMINAL SPATULAS
BAUCHSPATEL

BLADE SIZE BLATTGRÖSSE a x b	
180 x 50 mm	EEN-8
130 x 65 mm	EEN-9
150 x 50 mm	EEM-8
150 x 65 mm	EEN-0
150 x 120 mm	EEO-5
180 x 65 mm	EEO-6
180 x 80 mm MALLEABLE/BIEGSAM	EEM-5

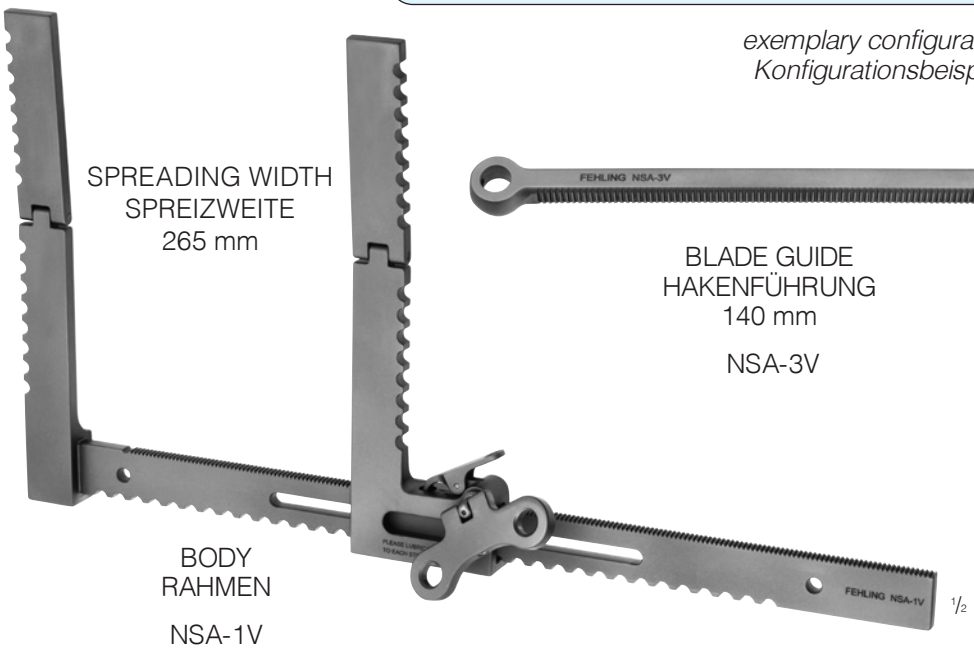
POLYTEL
TITANIUM

COMPONENTS / KOMPONENTEN

See retracting blades for POLYTEL on pages 2/41, 2/42
Halteblätter für POLYTEL auf den Seiten 2/41, 2/42



exemplary configuration
Konfigurationsbeispiel



SPREADING WIDTH
SPREIZWEITE
265 mm

BODY
RAHMEN

NSA-1V

½



½

BLADE GUIDE
HAKENFÜHRUNG
140 mm

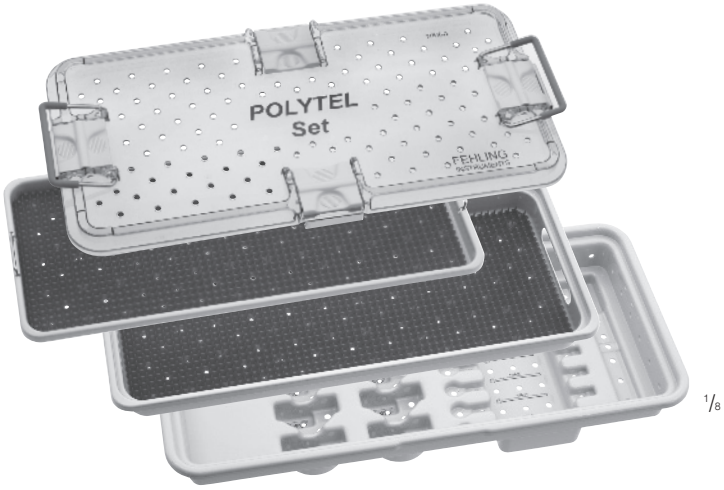
NSA-3V



½

COUPLING RIDER
FIXIERSCHLITTEN

NSA-2V



⅛

POLYTEL
STERILISATION AND STORAGE TRAY
STERILISIER- UND LAGERCONTAINER
530 x 250 x 100 mm

NSX-0



½

BODY JOINT STABILIZER
RAHMENGELENKSTABILISATOR

NSA-5



½

BLADE EJECTOR
BLATTENTFERNER
115 mm

NGM-6

ATLAS



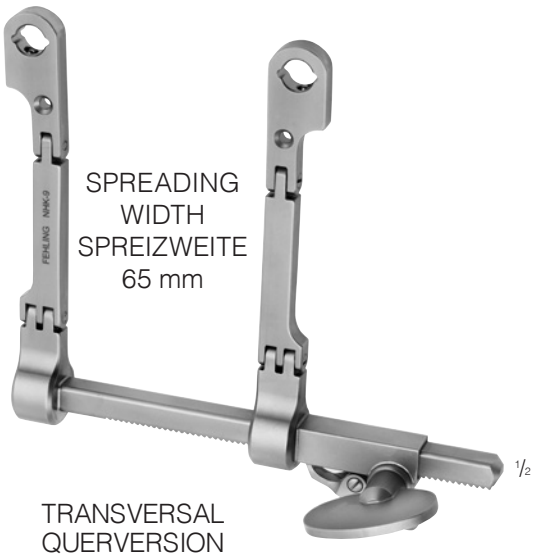
½

LONGITUDINAL
LÄNGSVERSION

NHL-1

CERVICAL RETRACTOR
HWS-SPREIZER

See retracting blades for ATLAS on pages 2/41, 2/42
Halteblätter für ATLAS auf den Seiten 2/41, 2/42



½

TRANSVERSAL
QUERVERSION

NHK-9



⅓

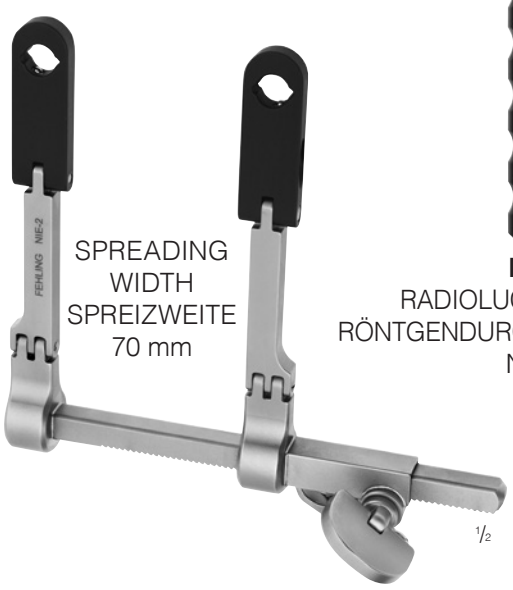
PEEK
RADIOLUCENT HANDLE
RÖNTGENDURCHLÄSSIGER GRIFF
NIG-1



½

PEEK CONNECTION ELEMENTS, RADIOLUCENT
PEEK ENDGLIEDER, RÖNTGENDURCHLÄSSIG

NIE-1



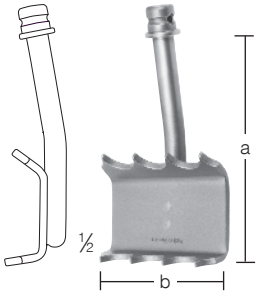
½

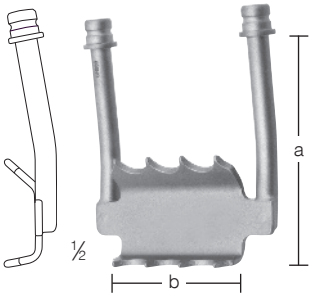
PEEK CONNECTION ELEMENTS, RADIOLUCENT
PEEK ENDGLIEDER, RÖNTGENDURCHLÄSSIG

NIE-2

POLYTEL/ATLAS
TITANIUM

RETRACTING BLADES / HALTEBLÄTTER*





PARAFASCIAL BLADES
PARAFASCIAL-BLÄTTER

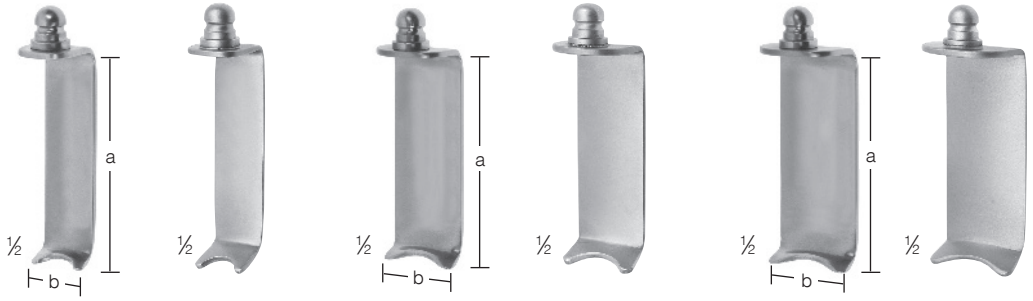
DEPTH TIEFE a	ROTATABLE / DREHBAR		FIXED / STARR	
	b = 25 mm	b = 40 mm	b = 40 mm	b = 80 mm
40 mm	NSS-6	NSM-6	NSO-6	NSP-6
60 mm	NSS-7	NSM-7	NSO-7	NSP-7
80 mm	NSS-8	NSM-8	NSO-8	NSP-8
100 mm	NSS-9	NSM-9	NSO-9	NSP-9
120 mm	NSU-9	NST-9	–	NSK-8
140 mm	NSS-0	–	–	–



POINTED
SCHARF



BLUNT
STUMPF

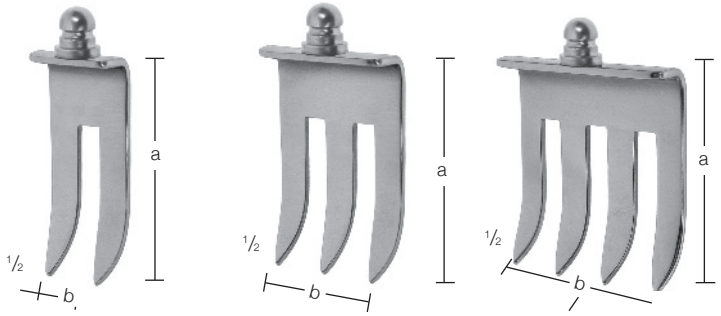


DEPTH TIEFE a	WIDTH / BREITE b					
	15 mm		20 mm		24 mm	
	POINTED SCHARF	BLUNT STUMPF	POINTED SCHARF	BLUNT STUMPF	POINTED SCHARF	BLUNT STUMPF
20 mm	–	NSR-8	–	–	–	–
25 mm		NSR-9	NSL-8	NST-8	NSF-8	NSG-9
30 mm	NSO-0	NSN-0	NSP-0	–	NSM-0	NSH-8
35 mm	NSB-0	NSN-1	NSL-0	NST-0	NSF-0	NSH-0
40 mm	NSO-1	NSN-2	NSP-1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

*auxiliary tool: blade ejector NGM-6 see page 2/39
*Hilfsmittel: Blattentferner NGM-6 siehe Seite 2/39

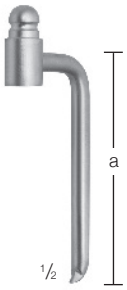
POLYTEL/ATLAS
TITANIUM

RETRACTING BLADES / HALTEBLÄTTER*

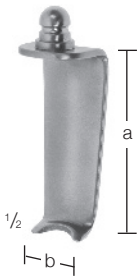


DEPTH TIEFE a	POINTED / SCHARF WIDTH / BREITE b 24 mm	40 mm	56 mm
25 mm	–	NSI-8	–
35 mm	–	NSI-0	NSK-0
45 mm	NSR-1	NSI-1	–
55 mm	NSR-2	NSI-2	–
65 mm	NSR-3	NSI-3	–
75 mm	–	NSI-4	–
85 mm	–	NSI-5	NSK-5
95 mm	NSR-6	NSI-6	–
105 mm	NSR-7	NSI-7	–

SPINOUS PINS
WIRBELDORNE

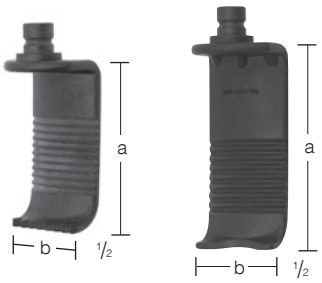


DEPTH TIEFE a	
25 mm	NSC-8
30 mm	NSC-9
35 mm	NSC-1
40 mm	NSC-2
45 mm	NSC-3
50 mm	NSC-4
55 mm	NSC-5
65 mm	NSC-6



DEPTH TIEFE a	CONIC / KONISCH 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
85 mm	NSG-5
95 mm	NSG-6
105 mm	NSG-7

PEEK
RADIOLUCENT
RÖNTGENDURCHLÄSSIG



DEPTH TIEFE a	POINTED SCHARF	BLUNT STUMPF
	b = 23 mm	
40 mm	NIE-4	NIF-2
45 mm	NIE-5	NIF-3
50 mm	NIE-6	NIF-4
55 mm	NIE-7	NIF-5
60 mm	NIE-8	NIF-6
65 mm	NIE-9	NIF-7
75 mm	NIF-0	NIF-8
85 mm	–	NIG-3
95 mm	–	NIG-4

*auxiliary tool: blade ejector NGM-6 see page 2/39
*Hilfsmittel: Blattentferner NGM-6 siehe Seite 2/39

ATLAS SIDE LOAD

CERVICAL SPINE RETRACTOR
HWS-SPREIZER



LONGITUDINAL
LÄNGSVERSION

NIN-2



TRANSVERSAL
QUERVERSION

NIN-1



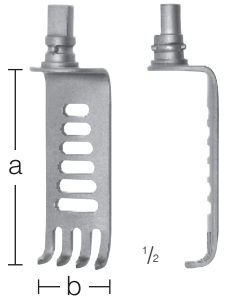
exemplary configuration
Konfigurationsbeispiel



HANDLE
HANDGRIFF

NIN-3K

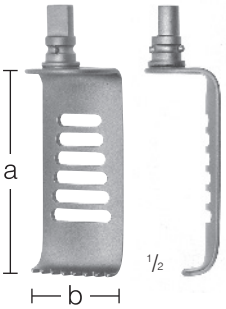
ATLAS SIDE LOAD
TITANIUM



TOOTHED
GEZAHNT

(MEDIAL/LATERAL)

DEPTH TIEFE a	WIDTH BREITE b 19 mm
25 mm	NII-1
30 mm	NII-2
35 mm	NII-3
40 mm	NII-4
45 mm	NII-5
50 mm	NII-6
55 mm	NII-7
60 mm	NII-8

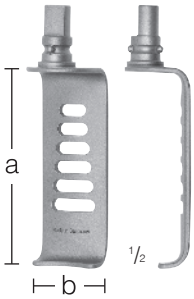


SERRATED
GEZAHNT

(LATERAL)

DEPTH TIEFE a	WIDTH BREITE b 24 mm
30 mm	NIK-1
35 mm	NIK-2
40 mm	NIK-3
45 mm	NIK-4
50 mm	NIK-5
55 mm	NIK-6
60 mm	NIK-7
65 mm	NIK-8
70 mm	NIK-9

BLADES
BLÄTTER

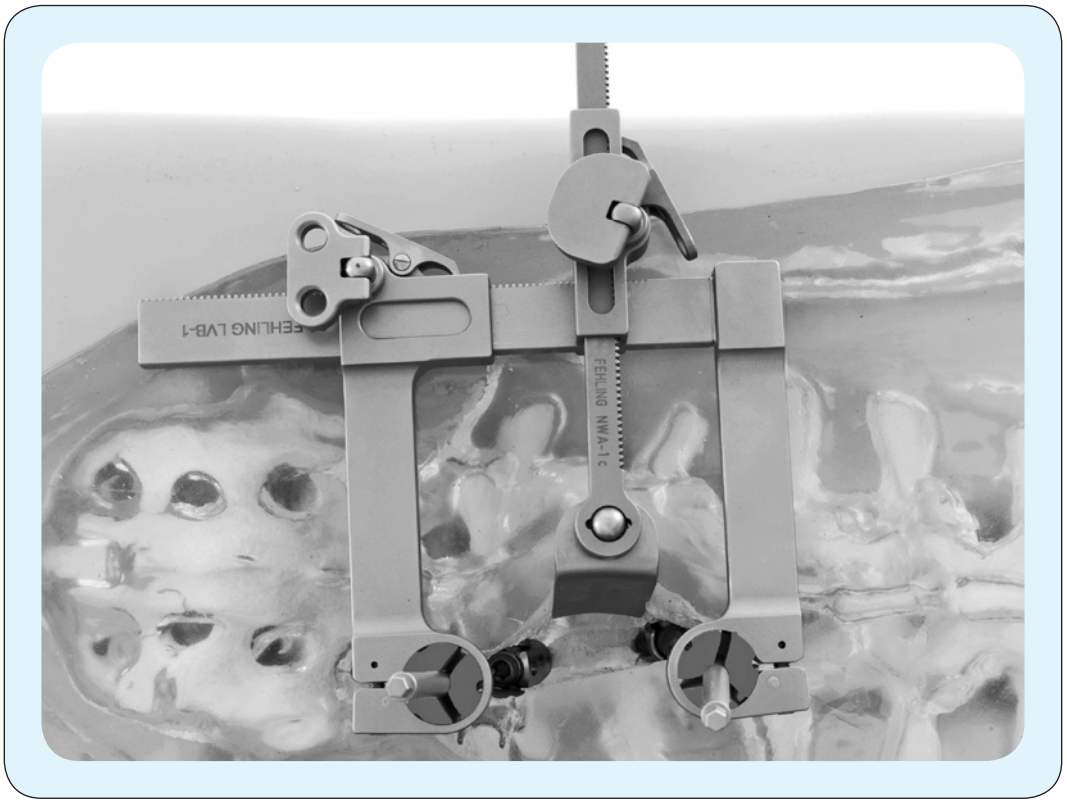


BLUNT
STUMPF

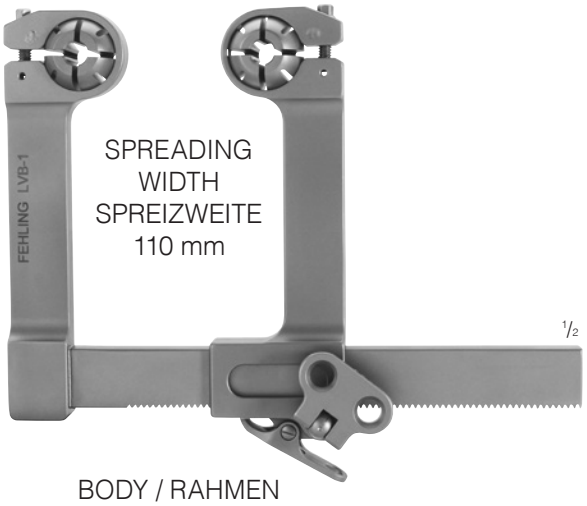
(LONGITUDINAL)

DEPTH TIEFE a	WIDTH BREITE b	
	19 mm	24 mm
25 mm	NIJ-1	–
30 mm	NIJ-2	–
35 mm	NIJ-3	NIM-1
40 mm	NIJ-4	NIM-2
45 mm	NIJ-5	NIM-3
50 mm	NIJ-6	NIM-4
55 mm	NIJ-7	NIM-5
60 mm	NIJ-8	NIM-6
65 mm	–	NIM-7
70 mm	–	NIM-8
75 mm	–	NIM-9

MI TLIF MULTIFUNCTIONAL RETRACTOR
MI TLIF MULTIFUNKTIONSSPREIZER

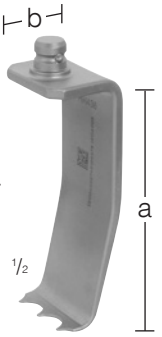


exemplary configuration
Beispielkonfiguration



BODY / RAHMEN

LVB-1



MEDIAL BLADE
MEDIALES BLATT

DEPTH TIEFE a	WIDTH BREITE b
	24 mm
50 mm	LVB-5
65 mm	LVB-6
80 mm	LVB-7
95 mm	LVB-8



COUPLING RIDER
FIXIERSCHLITTEN

NWA-1B



BLADE GUIDE
HAKENFÜHRUNG

NWA-1C



MI PARAFASCIAL BLADE, LEFT
MI PARAFASCIALBLATT, LINKS

	- a - WIDTH PEDICEL SCREW RETAINER BREITE PEDIKELSCHRAUBEN AUFNAHME
LVB-3	11 mm
LVB-3A	12,2 mm



MI PARAFASCIAL BLADE, RIGHT
MI PARAFASCIALBLATT, RECHTS

	- a - WIDTH PEDICEL SCREW RETAINER BREITE PEDIKELSCHRAUBEN AUFNAHME
LVB-4	11 mm
LVB-4A	12,2 mm



MI MICRO BLADE
MI MIKROBLATT

	- a - WIDTH PEDICEL SCREW RETAINER BREITE PEDIKELSCHRAUBEN AUFNAHME
LVB-2	11 mm
LVB-2A	12,2 mm

ACCESSORIES
ZUBEHÖR



CARDAN SCREWDRIVER
KARDAN SCHRAUBENZIEHER

LMT-4



CERAMO®
HEXAGONAL WRENCH
SECHSKANTSCHLÜSSEL

NVG-9



HEXAGONAL WRENCH (LONG)
SECHSKANTSCHLÜSSEL (LANG)

NVG-9L

CASPAR

INTERVERTEBRAL RETRACTOR SYSTEM
INTERVERTEBRALES SPREIZERSYSTEM

SPREADING WIDTH
SPREIZWEITE
63,5 mm



½

BODY LEFT
RAHMEN LINKS

LMJ-6

SPREADING WIDTH
SPREIZWEITE
63,5 mm



½

BODY RIGHT
RAHMEN RECHTS

LMJ-5



½

DISTRACTION SCREW
DISTRAKTIONSSCHRAUBE

THREAD LENGTH GEWINDELÄNGE	
12 mm	NGN-0
14 mm	LMJ-8
16 mm	LMJ-9
18 mm	NGN-5



½

SCREW DRIVER
SCHRAUBENDREHER

LMK-1



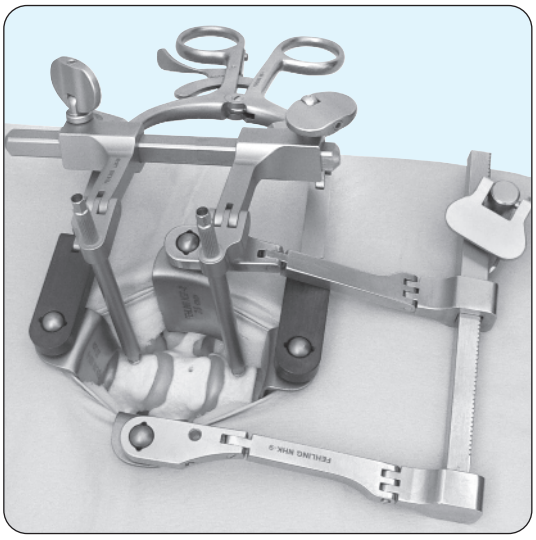
½

DRILL GUIDE FOR
DISTRACTION SCREW
BOHRLEHRE FÜR
DISTRAKTIONSSCHRAUBE

LEFT LINKS	RIGHT RECHTS
NGM-7K	NGM-8K

CONCEPT

INTERVERTEBRAL DISTRACTOR SYSTEM
INTERVERTEBRALES SPREIZERSYSTEM



exemplary configuration
Konfigurationsbeispiel



SPREADING WIDTH
SPREIZWEITE
65 mm

1/2

DISTRACTOR
DISTRAKTOR

LMI-9F



1/1

LOCK NUT FOR PIN
FIXIERMUTTER FÜR PIN

LMJ-0F



1/2

DISTRACTION PINS
DISTRAKTIONSPINS

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



1/2

PIN DRIVER
PINDREHER

LMI-6F



1/2

PARALLEL DISTRACTOR
INTERVERTEBRALSPREIZZANGE

LMI-8F



LEFT TYPE
LINKSMODELL

170 mm

SCHUL
MICRO DISCECTOMY RETRACTOR
MIKRODISKEKTOMIESPREIZER

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



RIGHT TYPE
RECHTSMODELL

170 mm



LEFT TYPE
LINKSMODELL

180 mm

CERAMO® FEIGL
MICRO DISCECTOMY RETRACTOR
MIKRODISKEKTOMIESPREIZER

BLADE SIZE BLATTGRÖSSE a x b/c	LEFT TYPE LINKS	RIGHT TYPE RECHTS
40 x 10/15 mm	FBA-1C	FBB-1C
50 x 10/15 mm	FBA-2C	FBB-2C
60 x 10/15 mm	FBA-3C	FBB-3C
70 x 15/20 mm	FBA-4C	FBB-4C
80 x 15/20 mm	FBA-5C	FBB-5C
90 x 20/25 mm	FBA-6C	FBB-6C
100 x 20/25 mm	FBA-7C	FBB-7C



RIGHT TYPE
RECHTSMODELL

180 mm

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



½

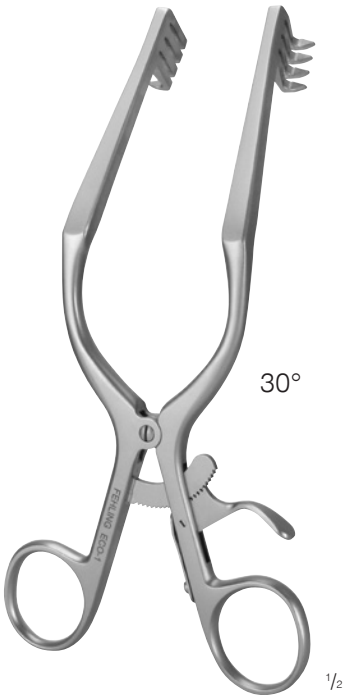
WINKING

170 mm

SPREADING WIDTH
SPREIZWEITE
85 mm

BLADE SIZE BLATTGRÖSSE a x b	
50 x 10 mm	NDQ-8
60 x 10 mm	NDQ-6
70 x 10 mm	NDQ-7
80 x 10 mm	NDQ-9

FOR TRANSMUSCULAR ACCESS
FÜR TRANSMUSKULÄREN ZUGANG

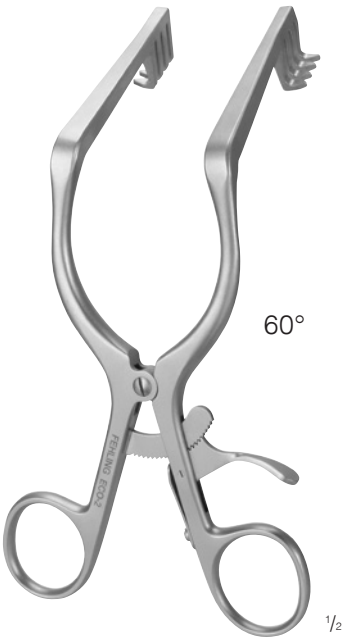


½

190 mm

SPREADING WIDTH
SPREIZWEITE
90 mm

ECO-1

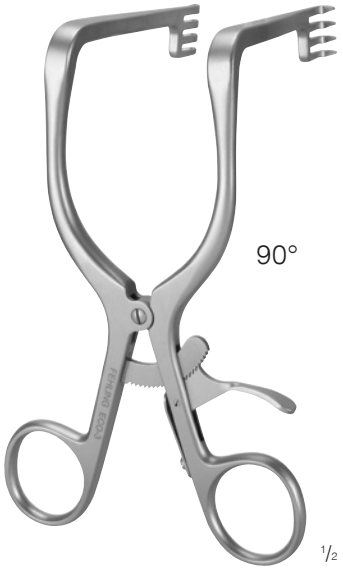


½

170 mm

SPREADING WIDTH
SPREIZWEITE
85 mm

ECO-2



½

150 mm

SPREADING WIDTH
SPREIZWEITE
80 mm

ECO-3

CERAMO® CONCEPT

MICRO DISCECTOMY SPECULUM
MIKRODISKEKTOMIESPEKULUM



exemplary configuration
Konfigurationsbeispiel



SPECULUM
SPEKULUM

½

DEPTH TIEFE	
35 mm	NVK-5V
45 mm	NVH-1V
55 mm	NVH-2V
65 mm	NVH-3V
75 mm	NVH-4V
85 mm	NVH-5V
95 mm	NVH-6V
105 mm	NVJ-7
115 mm	NVJ-8

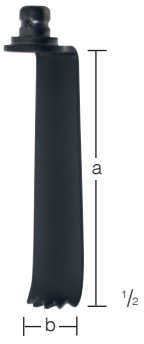


COUNTER RETRACTOR
GEGENSPERRER

NVH-9V

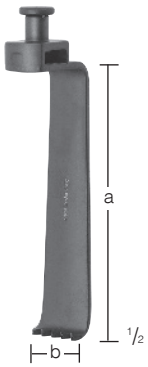
½

BLADES FOR COUNTER RETRACTOR*
BLÄTTER FÜR GEGENSPERRER*



½

LATERAL



½

MEDIAL

DEPTH TIEFE a	b = 15 mm
35 mm	NVK-6V
40 mm	NVI-0V
45 mm	NVI-1V
50 mm	NVI-6V
55 mm	NVI-2V
60 mm	NVI-7V
65 mm	NVI-3V
75 mm	NVI-4V
85 mm	NVI-5V
95 mm	NVI-8V
105 mm	NVJ-0
115 mm	NVK-9

DEPTH TIEFE a	b = 15 mm
35 mm	NVW-0
40 mm	NVW-1
45 mm	NVW-2
50 mm	NVW-3
55 mm	NVW-4
60 mm	NVW-5
65 mm	NVW-6
70 mm	NVW-7

*auxiliary tool: blade ejector NGM-6
see page 2/39
*Hilfsmittel: Blattentferner NGM-6
siehe Seite 2/39

CERAMO® CONCEPT

ACCESSORIES FOR MICRO DISCECTOMY SPECULUM
ZUBEHÖR FÜR MIKRODISKEKTOMIESPEKULUM



1/3

HEXAGONAL WRENCH (LONG)
SECHSKANTSCHLÜSSEL (LANG)

NVG-9L



1/3

CARDAN SCREWDRIVER
KARDAN SCHRAUBENZIEHER

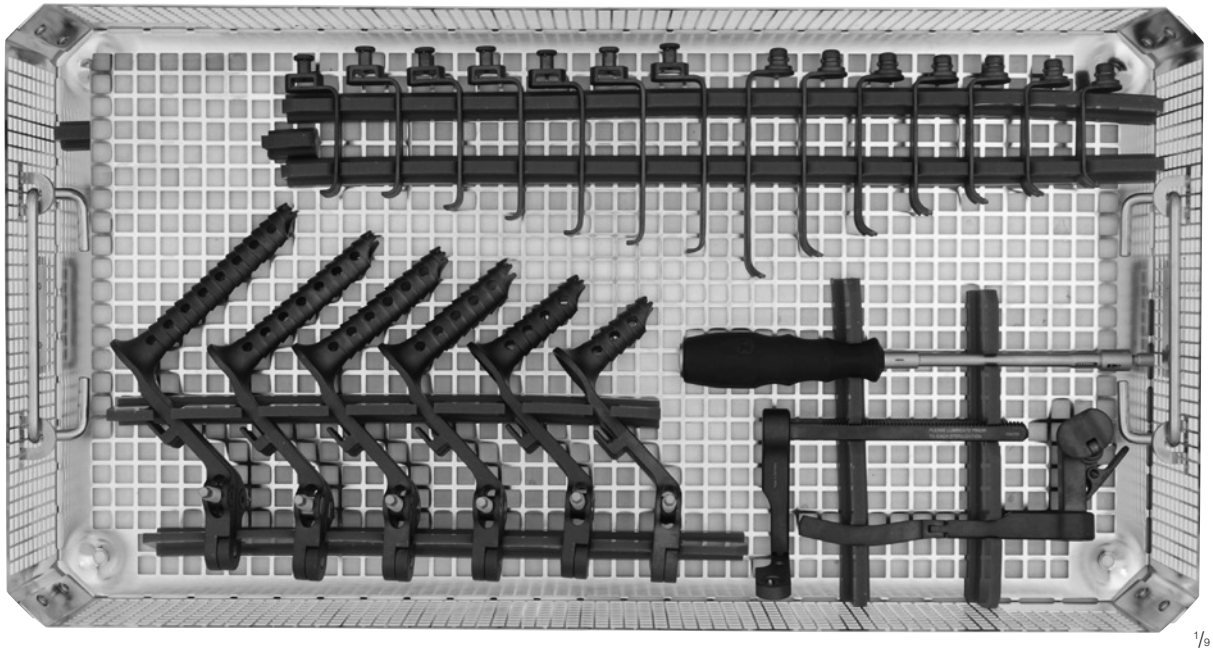
LMT-4



1/3

HEXAGONAL WRENCH
FOR SPECULUM
SECHSKANTSCHLÜSSEL
FÜR SPEKULUM

NVG-9



1/9

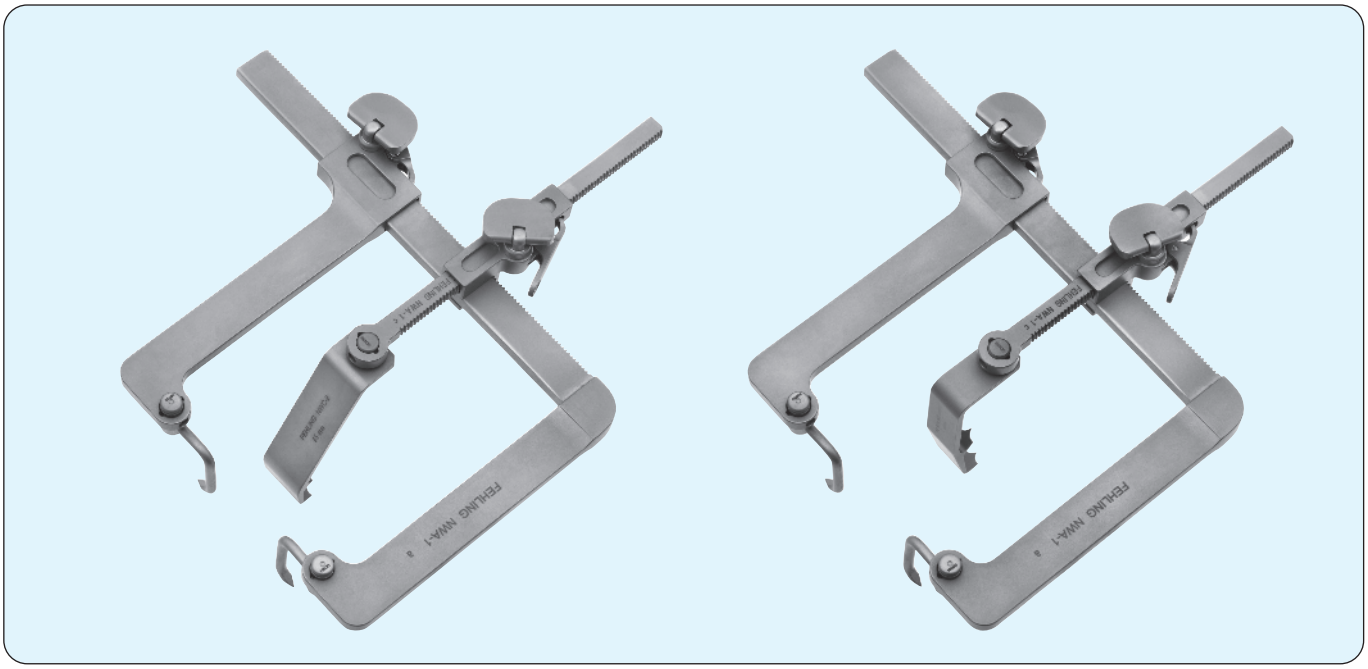
STERILIZATION AND STORAGE TRAY*
STERILISIER- UND LAGERCONTAINER*
480 x 250 x 70 mm

NVH-0V

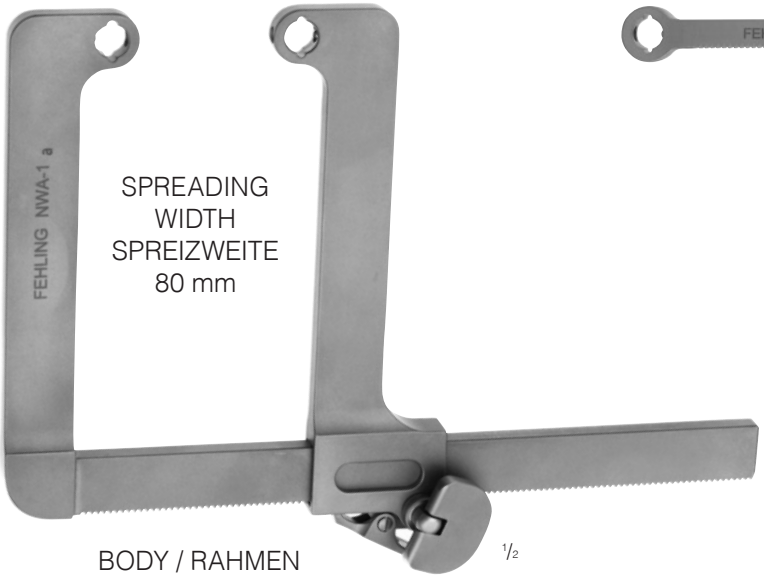
*(DELIVERY WITHOUT CONTENT)
*(LIEFERUNG OHNE INHALT)

RAABE
TITANIUM

HEMI-LAMINECTOMY RETRACTOR
HEMILAMINEKTOMIESPREIZER



exemplary configuration
Konfigurationsbeispiel



SPREADING
WIDTH
SPREIZWEITE
80 mm

BODY / RAHMEN
110 x 200 mm
NWA-1A



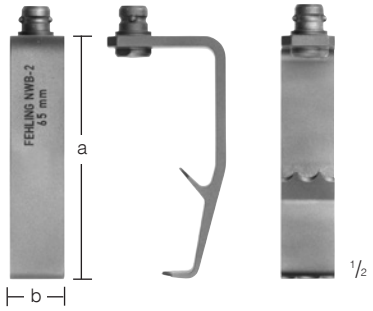
BLADEGUIDE
HAKENFÜHRUNG
NWA-1B



COUPLING RIDER
FIXIERSCHLITTEN
NWA-1B

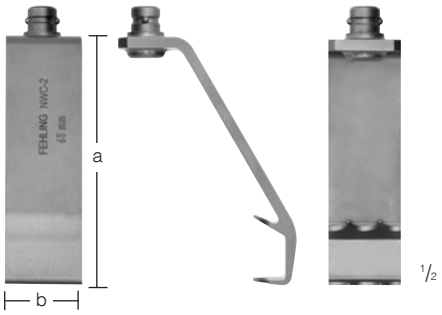
RAABE
TITANIUM

HEMI-LAMINECTOMY RETRACTOR
HEMILAMINEKTOMIESPREIZER



MUSCLE BLADES*
MUSKELBLÄTTER*

BLADE SIZE BLATTGRÖSSE a x b	
50 x 15 mm	NWB-1
65 x 15 mm	NWB-2
80 x 15 mm	NWB-3
95 x 15 mm	NWB-4
50 x 30 mm	NWB-5
65 x 30 mm	NWB-6
80 x 30 mm	NWB-7
95 x 30 mm	NWB-8



„CROSS-OVER“
MUSCLE BLADES*
MUSKELBLÄTTER*

BLADE SIZE BLATTGRÖSSE a x b	
50 x 20 mm	NWC-1
65 x 20 mm	NWC-2
80 x 20 mm	NWC-3
95 x 20 mm	NWC-4



CRANIAL-CAUDAL PINS (PAIR)*
CRANIAL-CAUDAL SPREIZPINS (PAAR)*

DEPTH TIEFE a	
35 mm	NWA-2
45 mm	NWA-3
55 mm	NWA-4

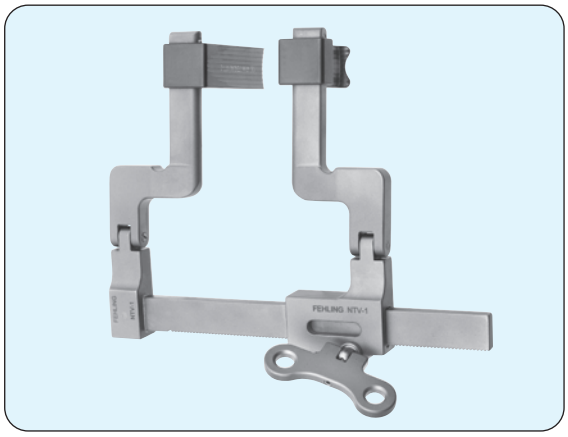
*auxiliary tool: blade ejector NGM-6 see page 2/39
*Hilfsmittel: Blattentferner NGM-6 siehe Seite 2/39



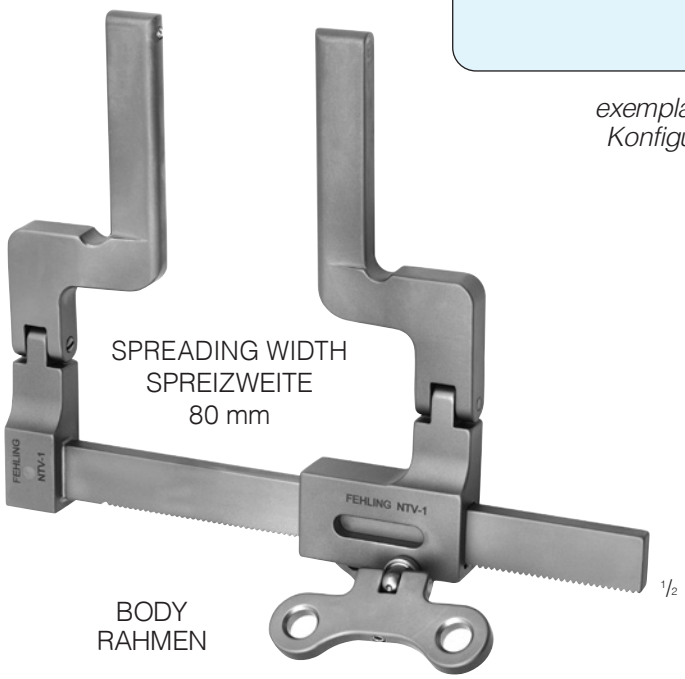
STERILISATION AND STORAGE TRAY
STERILISIER- UND LAGERCONTAINER
400 x 260 x 50 mm

NWA-0

DOERNER
TITANIUM



exemplary configuration
Konfigurationsbeispiel



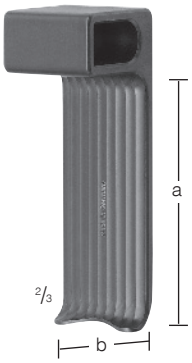
BODY
RAHMEN

FOR 1-2 SEGMENTS
FÜR 1-2 SEGMENTE

NTV-1

FOR 1-4 SEGMENTS
FÜR 1-4 SEGMENTE

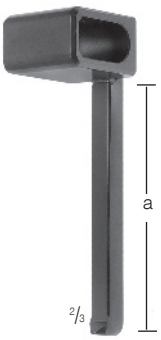
NTV-0



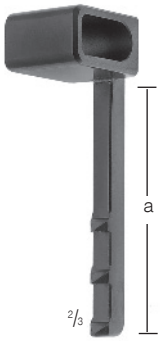
CERAMO®
BLADES (PAIR)
BLÄTTER (PAAR)

DEPTH LÄNGE 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

CERAMO®
SPINOUS PINS
WIRBELDORNE



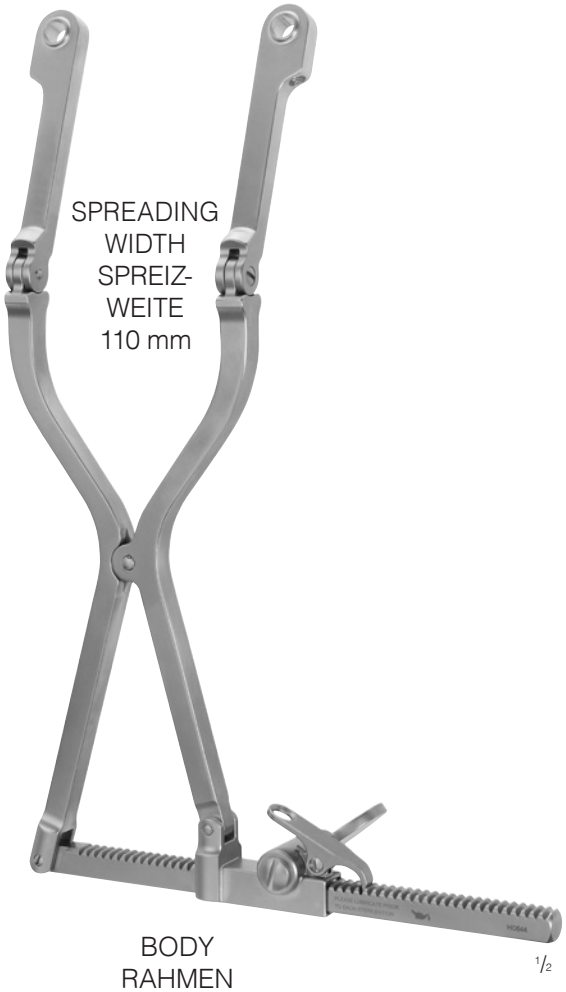
DEPTH TIEFE a	
20 mm	NTR-9
30 mm	NTS-0
40 mm	NTS-1
50 mm	NTS-2
60 mm	NTS-4
70 mm	NTS-6
80 mm	NTS-8



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

HEY

DISCECTOMY RETRACTOR
DISKEKTOMIESPREIZER



BODY
RAHMEN

NCL-4



SPINOUS PINS*
WIRBELDORNE*

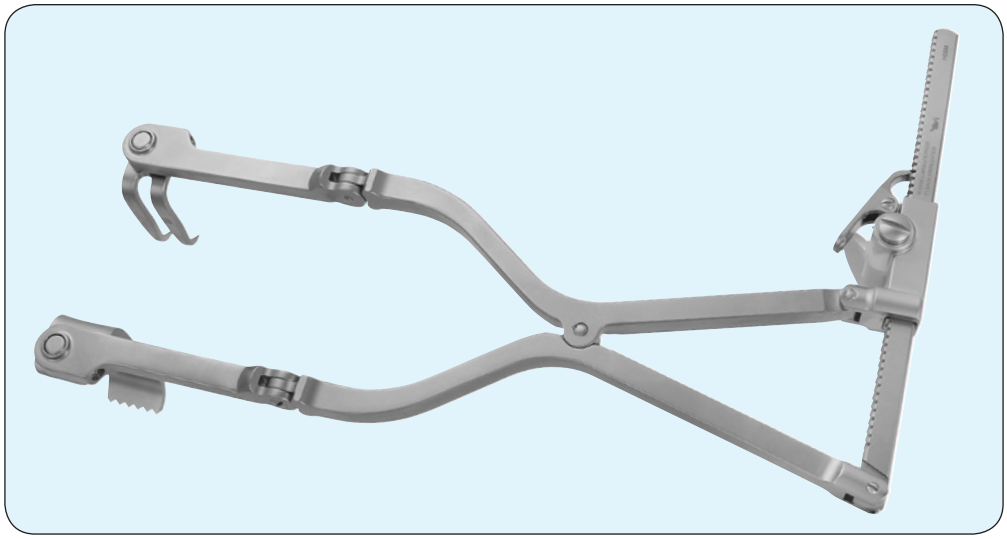
DEPTH TIEFE a	
32 mm	NFR-7
37 mm	NCL-8
53 mm	NCL-9
62 mm	NCM-1

*auxiliary tool: blade ejector NGM-6 see page 2/39
*Hilfsmittel: Blattentferner NGM-6 siehe Seite 2/39



BLADES, POINTED*
BLÄTTER, SCHARF*

DEPTH TIEFE a	b = 20 mm
40 mm	NEG-6
50 mm	NCL-5
60 mm	NCL-6
70 mm	NCL-7



exemplary configuration
Konfigurationsbeispiel



MAYER
SPINOUS DISTRACTOR
DORNDISTRAKTOR

DEPTH TIEFE a	SPREADING WIDTH SPREIZWEITE	
35 mm	70 mm	NHY-5
50 mm	65 mm	NHY-9
65 mm	60 mm	NHY-0

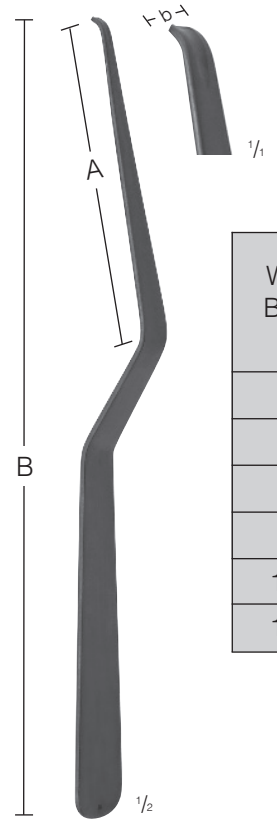


LOVE (MODIF.)
NERVE ROOT RETRACTOR
NERVWURZELHAKEN

WIDTH BREITE	DEPTH /TIEFE a			
	65 mm	100 mm	120 mm	160 mm
3 mm	NDH-2	NDW-2	NEH-1	NEH-0
		NOW-1		
5 mm	NDH-3	NDW-3	NEH-2	NEH-4
		NOW-2	NOV-8	
7 mm	NDH-4	NDW-4	NEH-3	–
		NOW-3	NOV-9	

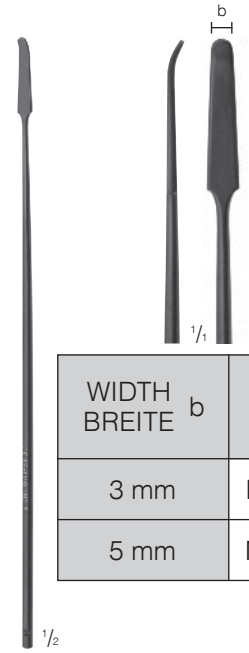
CERAMO®

CERAMO®



WIDTH BREITE -b-	LENGTH/LÄNGE A/B	
	210 mm	160/290 mm
3 mm	NDH-1	NDI-9
5 mm	NDH-0	NDJ-0
7 mm	NDI-1	–
9 mm	NDI-2	–
11 mm	NDI-3	–
13 mm	NDI-4	–

LOVE



LANKSCH
160 mm

WIDTH BREITE b	
3 mm	NUO-7
5 mm	NUO-8



ROUND
RUND

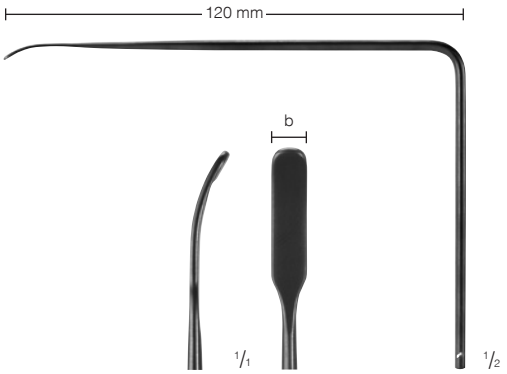
ABB-1

HANDLES
GRIFFE
110 mm



FLAT
FLACH

ABB-1F



WIDTH BREITE b	
4 mm	NUX-5
8 mm	NUX-6

RAABE

Your Distributor
Ihr Vertriebspartner

Please note that not all products are available in every country.
Wir weisen darauf hin, dass einzelne Produkte oder Produktgruppen in manchen Ländern nicht verfügbar sein können.

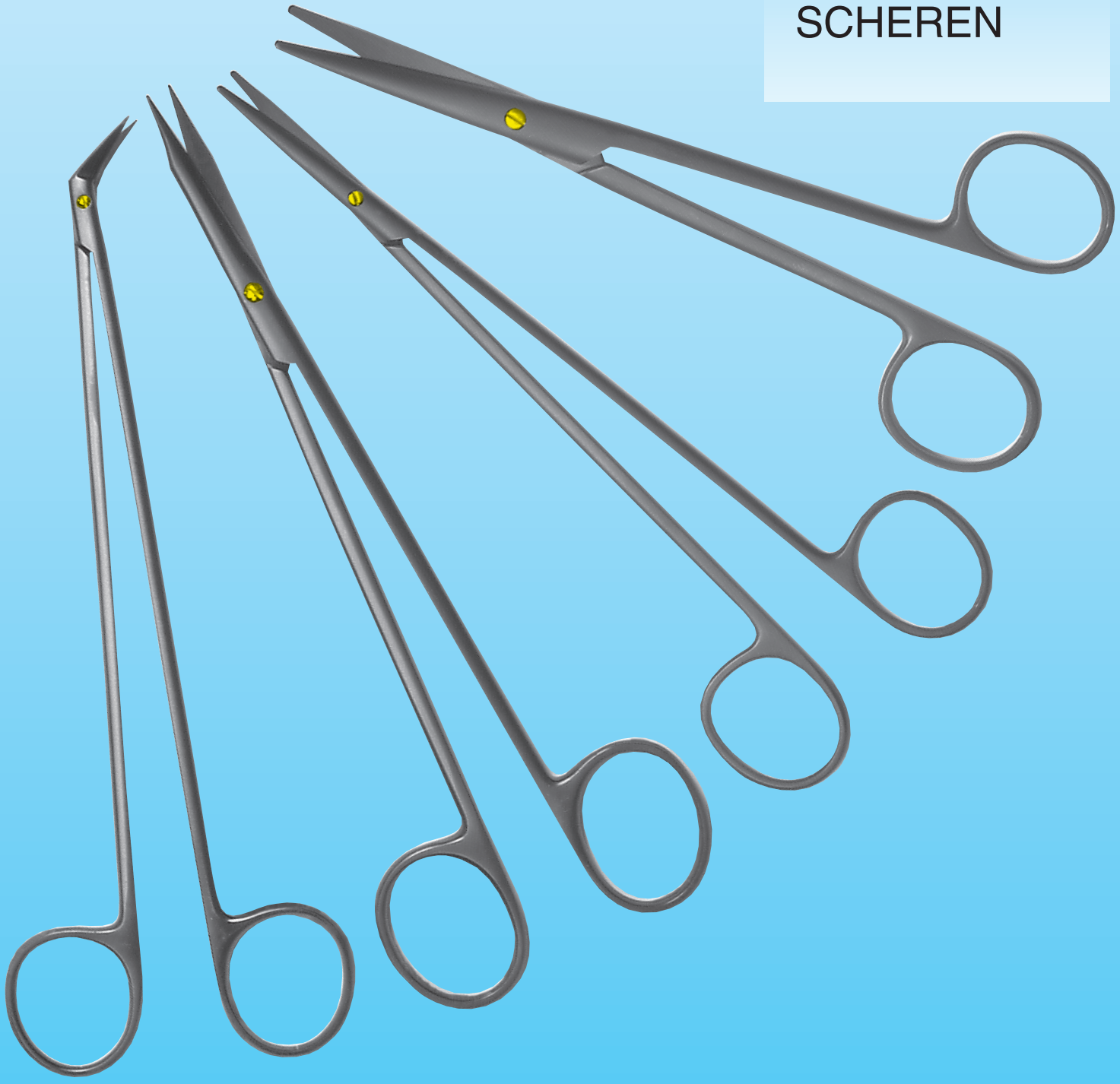
The dimensions listed in the catalog are nominal measurements. Actual values may differ slightly due to variations in production.
Bei denen im Katalog angegebenen Maßen handelt es sich um Nennmaße. Die tatsächlichen Werte können fertigungsbedingt abweichen.

FEHLING...

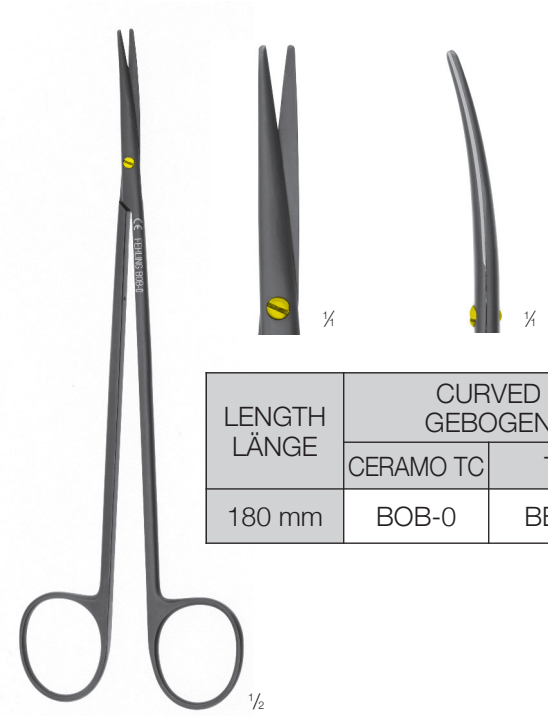
... THE DIFFERENCE

3

SCISSORS
SCHEREN



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+49 (0) 61 88 - 95 74.40 +49 (0) 61 88 - 95 74.45 info@fehling-instruments.de



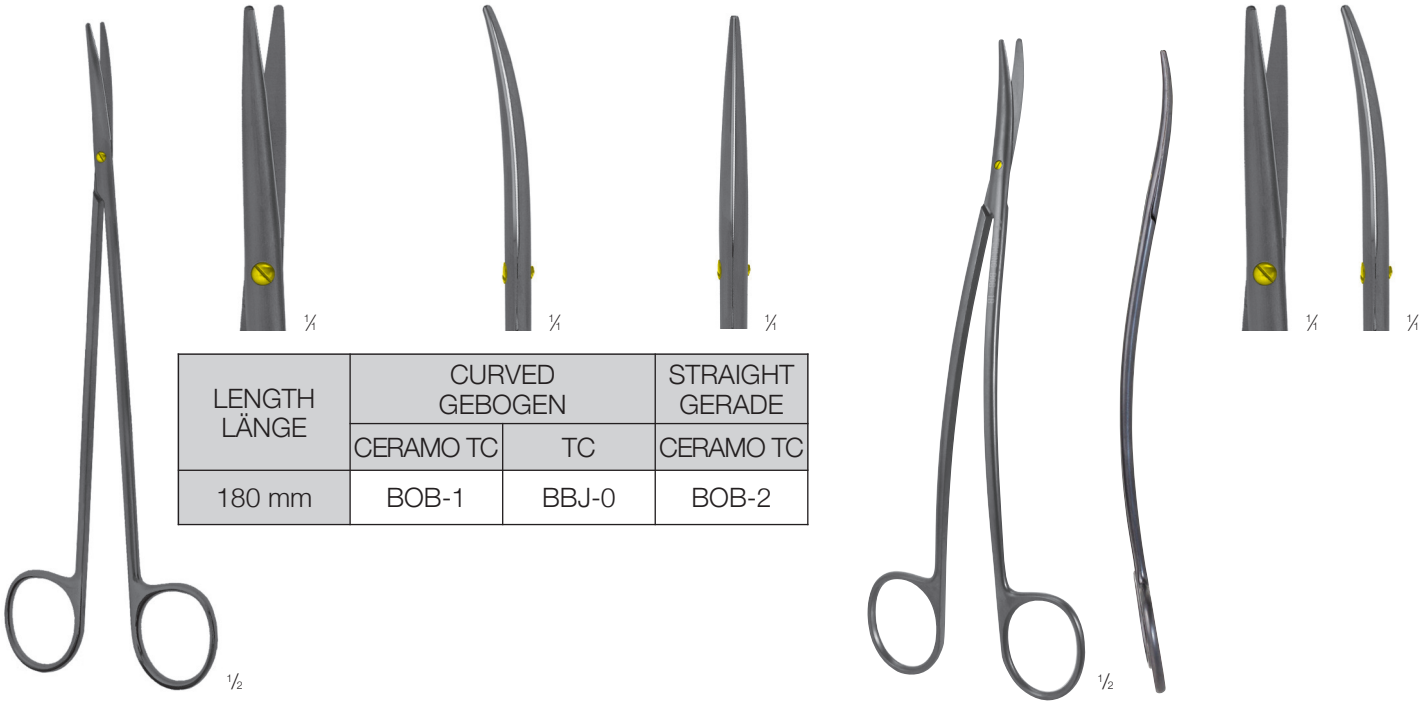
LENGTH LÄNGE	CURVED GEBOGEN	
	CERAMO TC	TC
180 mm	BOB-0	BBJ-8

TOENNIS - ADSON



CERAMO®
TC TOENNIS
STRONG PATTERN
STARKES MODELL
180 mm

BRM-5



LENGTH LÄNGE	CURVED GEBOGEN		STRAIGHT GERADE
	CERAMO TC	TC	CERAMO TC
180 mm	BOB-1	BBJ-0	BOB-2

TOENNIS

CERAMO®
DELICATE, S-SHAPE HANDLE
FEIN, S-FORM GRIFF
180 mm

BOB-1B



MAYO







LENGTH LÄNGE	CURVED GEBOGEN		STRAIGHT GERADE	
	CERAMO TC	TC	CERAMO TC	TC
145 mm	BOA-1	BBC-2	BOA-2	BBB-8
170 mm	BOA-3	BBC-3	BOA-4	BBB-9
230 mm	BOA-5	BBC-4	BOA-6	BBC-1



MAYO-STILLE







LENGTH LÄNGE	CURVED GEBOGEN		STRAIGHT GERADE	
	CERAMO TC	TC	CERAMO TC	TC
145 mm	BOB-7	BBC-8	BOB-8	BBC-6
170 mm	BOA-7	BBC-9	BOA-8	BBC-7



METZENBAUM STANDARD



LENGTH LÄNGE	CURVED GEBOGEN		STRAIGHT GERADE	
	CERAMO TC	TC	CERAMO TC	TC
145 mm	BOE-1	BBD-3	BOF-1	BBD-2
180 mm	BOE-2	BBD-6	BOF-2	BBD-4
200 mm	BOE-3	BBD-7	BOF-3	BCH-6
230 mm	BOE-4	BBD-8	BOF-4	BCH-7
260 mm	BOE-5	BBD-9	–	–
280 mm	BOE-6	BBE-1	BOF-9	–
300 mm	BOE-7	BBE-2	–	–

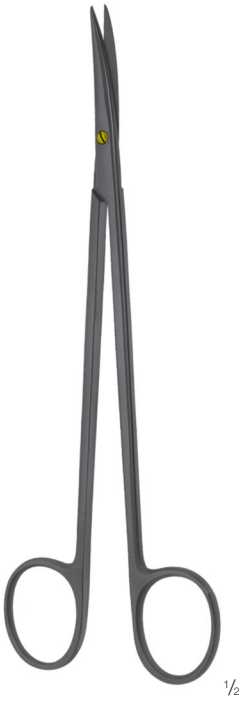


METZENBAUM FINO



LENGTH LÄNGE	BLUNT STUMPF			
	CURVED GEBOGEN		STRAIGHT GERADE	
	CERAMO TC	TC	CERAMO TC	TC
145 mm	BOC-1	BBE-5	BOD-1	BBE-4
180 mm	BOC-2	BBF-2	BOD-2	BBE-8
200 mm	BOC-3	BBF-3	BOD-3	BBE-9
230 mm	BOC-4	BBF-4	BOD-4	BBF-1
260 mm	BOC-5	BBF-5	–	–
280 mm	BOC-6	BBF-6	–	–

also available with serrated blades
auch mit Wellenschliff erhältlich



½

METZENBAUM FINO



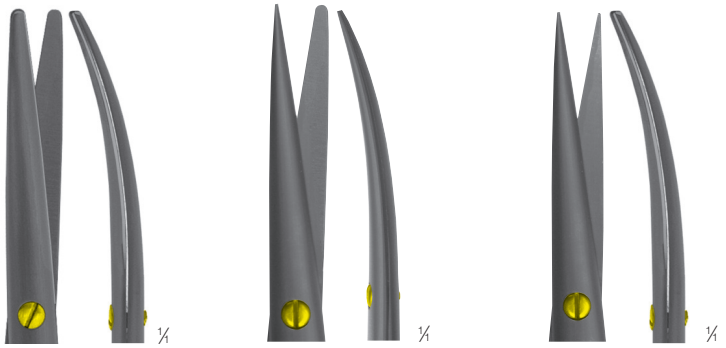
1/1 1/1 1/1

LENGTH LÄNGE	POINTED SPITZ			
	CURVED GEBOGEN		STRAIGHT GERADE	
	CERAMO TC	TC	CERAMO TC	TC
145 mm	BOO-0	BBE-7	BOF-0	BBE-6
180 mm	BOO-1	BBG-3	BOO-4	BBF-9
200 mm	BOO-2	BBG-4	BOO-5	BBG-1
230 mm	BOO-3	BBG-5	BOO-6	BBG-2



½

METZENBAUM FINO
S-SHAPE HANDLE
S-FORM GRIFF



1/1 1/1 1/1

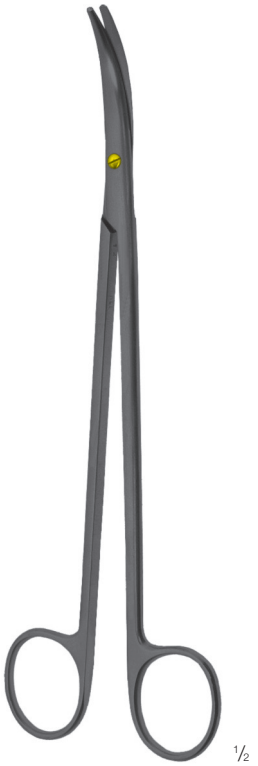
LENGTH LÄNGE	BLUNT / BLUNT STUMPF / STUMPF		POINTED / BLUNT SPITZ / STUMPF		POINTED / POINTED SPITZ / SPITZ	
	CERAMO TC	TC	CERAMO TC	TC	CERAMO TC	TC
145 mm	BOD-5	–	BOF-5	BCS-1	BOO-7	–
180 mm	BOD-6	BBH-1	BOF-6	–	BOO-8	BBG-8
200 mm	BOD-7	BBH-2	BOF-7	–	BOO-9	BBG-9
230 mm	BOD-8	BBH-3	BOF-8	–	–	–



LEXER FINO



LENGTH LÄNGE	CURVED GEBOGEN		STRAIGHT GERADE	
	CERAMO TC	TC	CERAMO TC	TC
160 mm	BOB-3	BBB-5	BOB-5	BBB-3
210 mm	BOB-4	BBB-6	BOB-6	BBB-4



CERAMO®
TC THOREK



LENGTH LÄNGE	CURVED GEBOGEN
200 mm	BOV-1
230 mm	BOV-2
280 mm	BOV-3



CERAMO®
TC THOREK
S-SHAPE HANDLE
S-FORM GRIFF



LENGTH LÄNGE	CURVED GEBOGEN
200 mm	BOV-4
230 mm	BOV-5
280 mm	BOV-6

also available with serrated blades
auch mit Wellenschliff erhältlich



DELICATE, BLUNT
FEIN, STUMPF







LENGTH LÄNGE	CURVED GEBOGEN		STRAIGHT GERADE	
	CERAMO TC	TC	CERAMO TC	TC
115 mm	BON-1	BBH-7	BON-2	BBH-6



DELICATE, POINTED
FEIN, SPITZ







LENGTH LÄNGE	CURVED GEBOGEN		STRAIGHT GERADE	
	CERAMO TC	TC	CERAMO TC	TC
115 mm	BON-3	BBA-9	BON-4	BBA-8
145 mm	BON-5	–	BON-6	–
160 mm	BON-7	–	BON-8	–
180 mm	BOT-5	–	BOT-6	–



RAGNELL



LENGTH LÄNGE	CURVED GEBOGEN	
	CERAMO TC	TC
125 mm	BOT-3	BCS-2
150 mm	BOT-4	–
160 mm	BOZ-7	–



CERAMO®
TC STEVENS



LENGTH LÄNGE	CURVED GEBOGEN	STRAIGHT GERADE
110 mm	BOS-5	BOS-6
125 mm	BOS-7	BOS-8
150 mm	BOT-1	BOT-8



CERAMO®
TC REYNOLDS
175 mm

BOT-2



DELICATE
FEIN
115 mm

CERAMO TC	TC
BOT-7	BCY-3

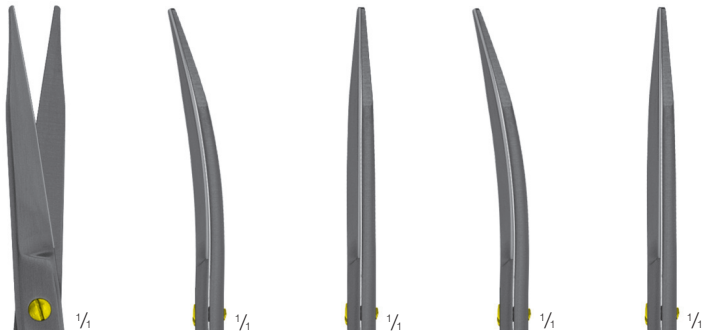


UNIVERSAL
120 mm

CERAMO TC	TC
BOS-1	BBK-2



CERAMO®
TC GOLDMANN-FOX



LENGTH LÄNGE	1 BLADE SERRATED 1 BLATT GEZAHNT		NON-SERRATED UNGEZAHNT	
	CURVED GEBOGEN	STRAIGHT GERADE	CURVED GEBOGEN	STRAIGHT GERADE
130 mm	BOY-3	BOY-2	BOY-5	BOY-4

CERAMO®



TC LOCKLIN
160 mm

BOV-7



TC LOCKLIN S
160 mm

BOV-8



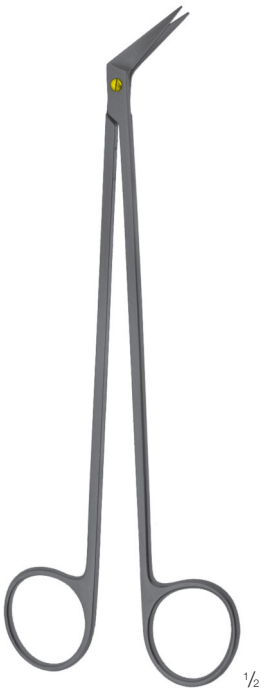
TC DEAN
170 mm

BOV-9

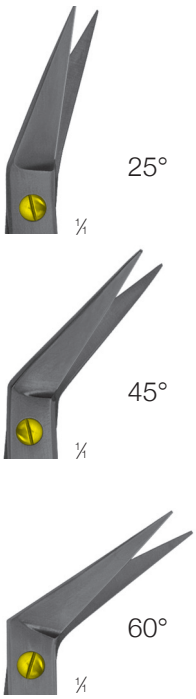


INTIMA
170 mm

BOR-6



POTTS



LENGTH LÄNGE	CERAMO TC	TC
190 mm	BOP-1	BCL-7
230 mm	BOP-4	–
190 mm	BOP-2	BCJ-5
230 mm	BOP-5	–
185 mm	BOP-3	BCJ-6
225 mm	BOP-6	BCJ-7



DE BAKEY

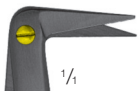
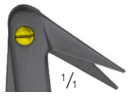


LENGTH LÄNGE	CERAMO TC	TC
190 mm	BOM-4	BAZ-8
230 mm	BOM-7	BAZ-9
190 mm	BOM-5	BBA-1
230 mm	BOM-8	BBA-2
185 mm	BOM-6	BBA-3
225 mm	BOM-9	BBA-4

CERAMO®

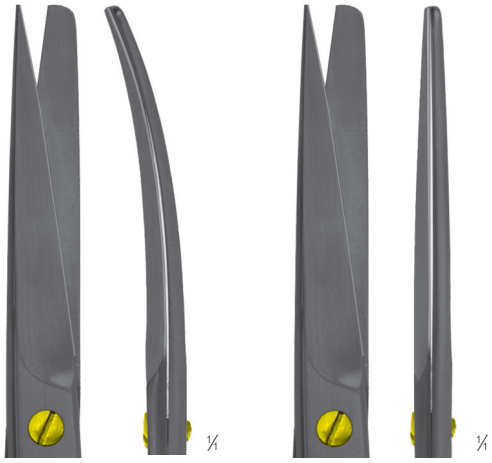


TC HYPERION

	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


½

STANDARD


1/1 1/1

LENGTH LÄNGE	POINTED / BLUNT SPITZ / STUMPF			
	CURVED GEBOGEN		STRAIGHT GERADE	
	CERAMO	UNCOATED	CERAMO	UNCOATED
105 mm	BOI-1	–	BOJ-1	BAD-7
115 mm	BOI-2	BAG-2	BOJ-2	BAD-8
145 mm	BOI-3	BAG-4	BOJ-3	BAE-1
165 mm	BOI-4	BAG-6	BOJ-4	BAE-3
185 mm	BOI-5	BAG-7	BOJ-5	BAE-4
205 mm	BOI-6	–	BOJ-6	BAE-5


1/1 1/1 1/1 1/1

LENGTH LÄNGE	BLUNT /BLUNT STUMPF / STUMPF				POINTED / POINTED SPITZ / SPITZ			
	CURVED GEBOGEN		STRAIGHT GERADE		CURVED GEBOGEN		STRAIGHT GERADE	
	CERAMO	UNCOATED	CERAMO	UNCOATED	CERAMO	UNCOATED	CERAMO	UNCOATED
105 mm	–	–	–	BAC-8	–	–	–	BAE-6
115 mm	BOK-1	BAF-3	BOK-4	BAC-9	–	BAG-8	–	BAE-7
145 mm	BOK-2	BAF-5	BOK-5	BAD-2	BOI-7	BAH-1	BOJ-7	BAE-9
165 mm	BOK-3	BAF-7	BOK-6	BAD-4	BOI-8	BAH-3	BOJ-8	BAF-2
185 mm	–	BAF-9	–	BAD-5	–	–	–	–
205 mm	–	BAG-1	–	BAD-6	–	–	–	–



½

DOYEN



1/1



1/1



1/1

LENGTH LÄNGE	CURVED GEBOGEN		STRAIGHT GERADE	
	CERAMO	UNCOATED	CERAMO	UNCOATED
180 mm	BOL-1	BAJ-7	BOL-2	BAJ-5



½

TC SIMS

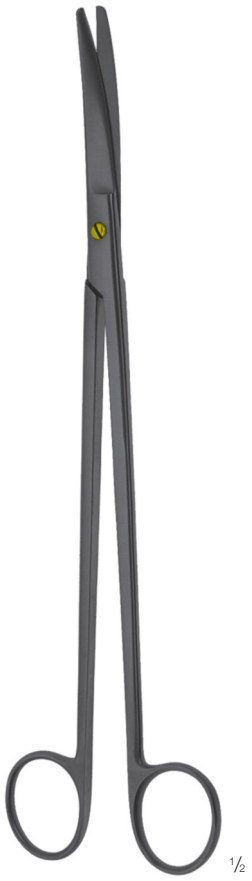


1/1



1/1

LENGTH LÄNGE	CURVED GEBOGEN	
	CERAMO	UNCOATED
200 mm	BOL-4	BBJ-6
230 mm	BOL-5	BBJ-7



WERTHEIM





LENGTH LÄNGE	CURVED GEBOGEN	
	CERAMO TC	TC
230 mm	BOL-6	BCG-8

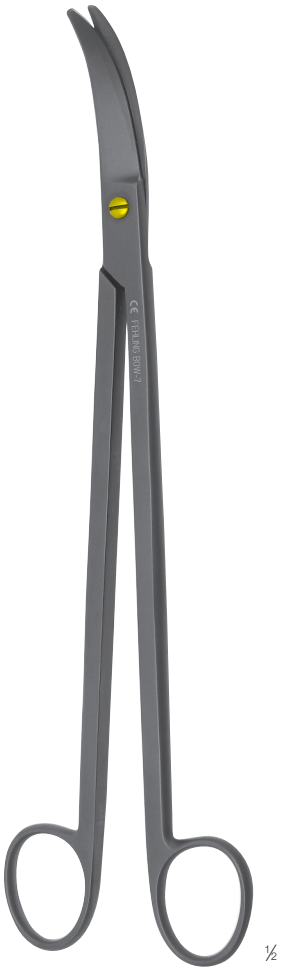


LIGATUR





LENGTH LÄNGE	1 BLADE SERRATED 1 BLATT GEZAHNT	
	CURVED GEBOGEN	
	CERAMO TC	TC
145 mm	BOZ-1	–
180 mm	BOZ-2	BCN-8



½

CERAMO®
PARAMETRIUM



1/1 1/1

LENGTH LÄNGE	CURVED GEBOGEN
215 mm	BOW-9
255 mm	BOW-7
295 mm	BOW-8
345 mm	BOX-0



½

BANDAGE SCISSORS
VERBANDSCHEREN

LENGTH LÄNGE	LISTER		TC LISTER	
	CERAMO	UNCOATED	CERAMO	UNCOATED
140 mm	BOL-7	KBR-9	BOS-2	–
180 mm	BOL-8	KBS-2	BOS-3	KBT-1
200 mm	BOL-3	KBS-3	BOS-4	–

FEHLING...

... THE DIFFERENCE

4

FORCEPS, CLAMPS AND CLIPS

PINZETTEN, KLEMMEN UND CLIPS

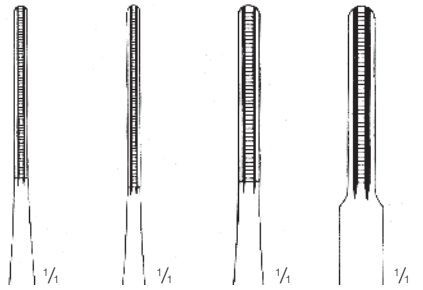


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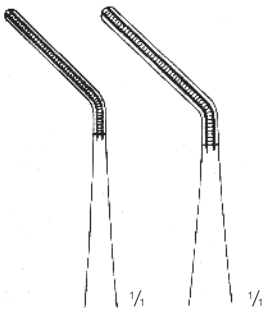




	1,5 mm	2,0 mm	2,8 mm	3,5 mm
150 mm	MBL-2	MBL-5	MBK-2	MBM-4
195 mm	MBL-3	MBL-6	MBK-3	MBM-5
240 mm	MBL-4	MBL-7	MBK-4	MBM-6
300 mm	–	–	MBL-8	MBM-7

DE BAKEY

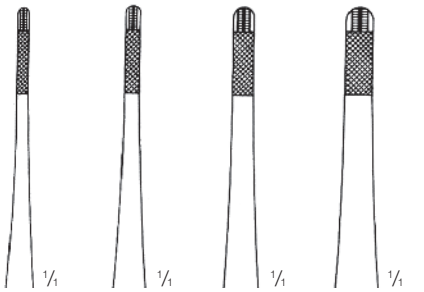




	2,0 mm	2,7 mm
150 mm	MBL-9	–
195 mm	MBM-1	–
240 mm	MBM-2	–
300 mm	–	MBM-3

DE BAKEY

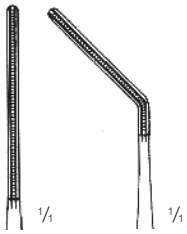




	1,5 mm	2,0 mm	2,7 mm	3,5 mm
150 mm	MEJ-2	MEJ-4	MEJ-7	–
195 mm	MDZ-1	MEJ-5	MEJ-8	MEK-1
240 mm	MEJ-3	MEJ-6	MEJ-9	MEK-2

TC DE BAKEY





	1,5 mm	1,5 mm
150 mm	MBK-7	–
195 mm	MBK-8	MBL-1
240 mm	MBK-9	–

DE BAKEY
DIETHRICH

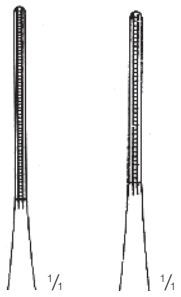




	1,0 mm	1,5 mm
150 mm	–	CDN-6
195 mm	CDK-7	–
240 mm	CDN-7	–

DE BAKEY
ULTRA LIGHT

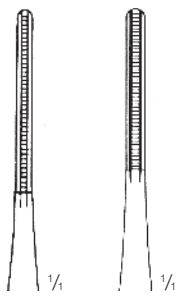




	1,5 mm	1,8 mm
150 mm	MBP-1	MED-3
195 mm	MBP-2	MED-4
240 mm	MBP-3	MED-5

DIETHRICH
TITANIUM / TITAN

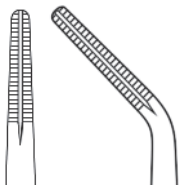




	2,0 mm	2,8 mm
150 mm	MFG-8	MBP-4
195 mm	MFG-9	MBP-5
240 mm	MFH-1	MBP-6

DIETHRICH
TITANIUM / TITAN

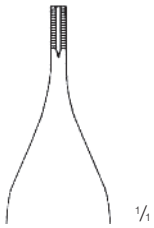




	2,5 mm	3,0 mm
200 mm	CDP-5	–
230 mm	CDP-2	CDP-7
250 mm	CDP-3	–

HEART VALVE FORCEPS
HERZKLAPPENPINZETTE





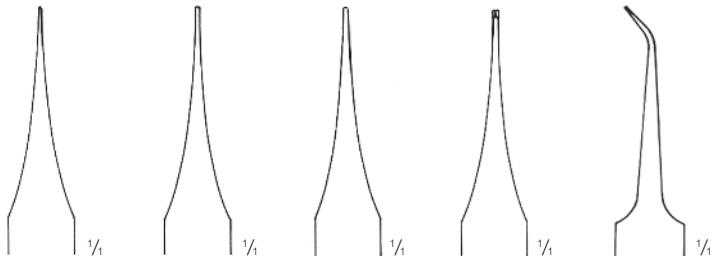
CERAMO®	COX-0
UNCOATED UNBESCHICHTET	CAK-9

ADSON-BRAUN
120 mm

JEWELLER FORCEPS
UHRMACHERPINZETTEN



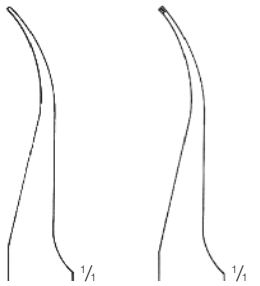
110 mm



	0,1 mm	0,2 mm	0,4 mm	1x2 TEETH/ZÄHNE	0,25 mm
CERAMO®	–	COW-7	COW-8	–	–
UNCOATED UNBESCHICHTET	CAY-7	CAY-8	CAY-9	CAZ-2	CAZ-1



115 mm



	0,2 mm	1x2 TEETH/ZÄHNE
CERAMO®	CRB-1	–
UNCOATED UNBESCHICHTET	CAY-6	CAZ-4



GERALD



CERAMO®	TCM 1,0 mm
150 mm	COK-0
180 mm	COK-1
210 mm	COK-2
230 mm	COK-3



UNCOATED UNBESCHICHTET	1,0 mm
180 mm	CAE-8
210 mm	CAF-0
230 mm	CAE-9



CUSHING
175 mm



TCM
1,5 mm
CERAMO®

COW-1



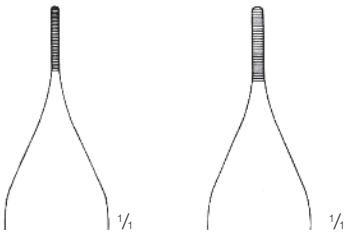
1,5 mm
UNCOATED
UNBESCHICHTET

CBP-9



½

ADSON



1/1 1/1

	MICRO / MIKRO 0,8 mm		1,2 mm	
	120 mm	150 mm	120 mm	150 mm
CERAMO®	COZ-9	COW-6	COZ-7	COZ-8
UNCOATED UNBESCHICHTET	CAA-5	CAA-6	CAA-2	CAA-3



½

TC ADSON



1/1

	1,4 mm
120 mm	CAZ-6
150 mm	CAZ-7



½

SEMKEN



1/1 1/1

	120 mm	150 mm
CERAMO®	COP-5	COP-6
UNCOATED UNBESCHICHTET	CAG-8	CAG-9



½

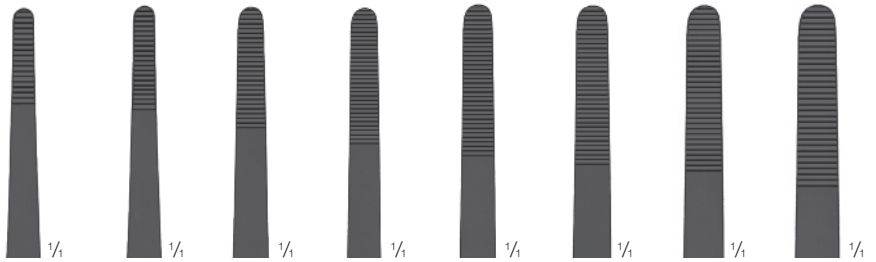
TC POTTS-SMITH



145 mm	CBA-7
180 mm	CBA-8
200 mm	CBA-9
230 mm	CBB-1
250 mm	CBB-2



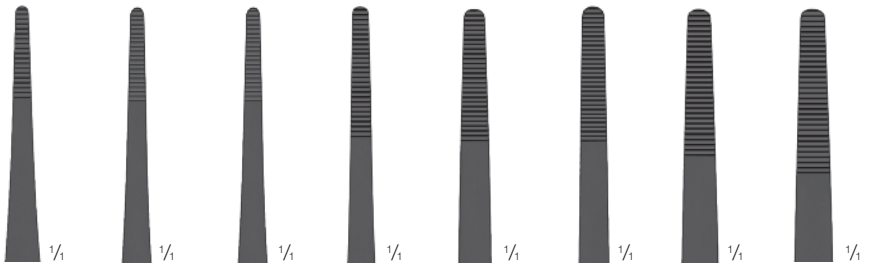
STANDARD



	115 mm	130 mm	145 mm	160 mm	180 mm	200 mm	250 mm	300 mm
CERAMO®	COR-1	COR-2	COR-3	COR-4	COR-5	COR-6	COR-7	COR-8
UNCOATED UNBESCHICHTET	CAA-9	CAB-1	CAB-2	CAB-3	CAB-4	CAB-5	CAB-6	CAB-7



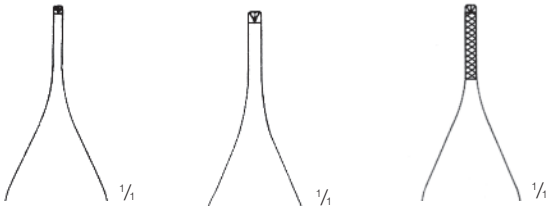
DELICATE
SCHLANK



	115 mm	130 mm	145 mm	160 mm	180 mm	200 mm	250 mm	300 mm
CERAMO®	COZ-O	COZ-1	COR-9	COZ-2	COZ-3	COZ-4	COZ-5	COZ-6
UNCOATED UNBESCHICHTET	CAC-3	CAC-4	CAC-5	CAC-6	CAC-7	CAC-8	CAC-9	CAD-1



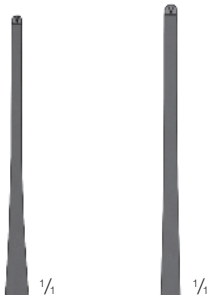
ADSON



	1x2 TEETH / ZÄHNE					
	MICRO / MIKRO 0,8 mm		1,2 mm		TC 1,8 mm	
	120 mm	150 mm	120 mm	150 mm	120 mm	150 mm
CERAMO®	COW-4	COW-5	COW-3	COW-9	–	–
UNCOATED UNBESCHICHTET	CAL-1	CAL-2	CAK-7	CAK-8	CAZ-8	CAZ-9



SEMKEN



	1x2 TEETH / ZÄHNE	
	125 mm	150 mm
CERAMO®	COP-8	COP-7
UNCOATED UNBESCHICHTET	CAU-9	CAV-1



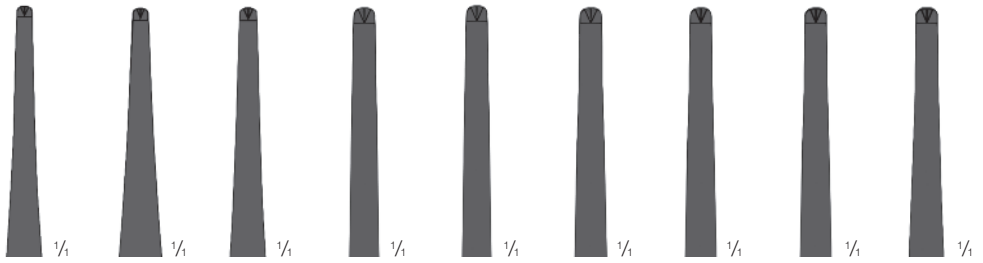
	150 mm	200 mm	250 mm
CERAMO®	COW-2	–	–
UNCOATED UNBESCHICHTET	CAU-3	CAU-4	CAU-5

RUSSIAN PATTERN
RUSSISCHES MODELL


½

STANDARD

1x2 TEETH / ZÄHNE


1/1

	105 mm	115 mm	130 mm	145 mm	160 mm	180 mm	200 mm	250 mm	300 mm
CERAMO®	CZD-1	CZD-2	CZD-3	CZD-4	CZD-5	CZB-1	CZD-7	CZD-8	CZD-9
UNCOATED UNBESCHICHTET	CAL-5	CAL-6	CAL-7	CAL-8	CAL-9	CAM-1	CAM-2	CAM-4	CAM-5


½

GERALD

1/1

1,2 mm

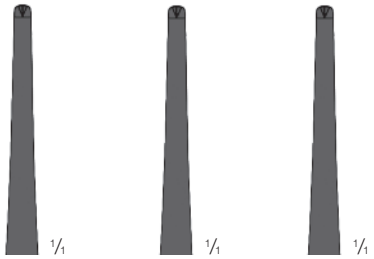
1x2 TEETH / ZÄHNE

	150 mm	180 mm	210 mm	230 mm
CERAMO®	COI-1	COI-2	COI-3	COI-4
UNCOATED UNBESCHICHTET	–	CAS-8	CAS-9	CAT-1


½

MEDIUM

1x2 TEETH / ZÄHNE

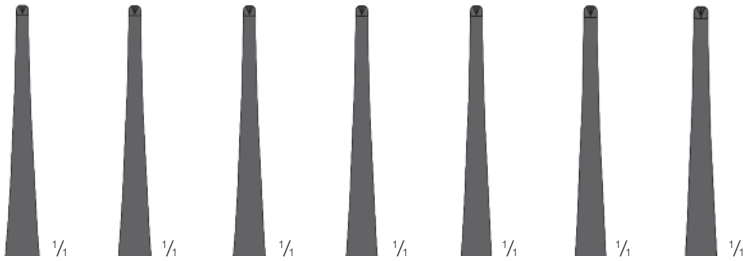

1/1

	145 mm	160 mm	250 mm
CERAMO®	CZB-8	CZB-9	COP-9
UNCOATED UNBESCHICHTET	CAP-9	CAR-1	CAP-8



DELICATE
SCHLANK

1x2 TEETH / ZÄHNE



	115 mm	130 mm	145 mm	160 mm	180 mm	200 mm	250 mm
CERAMO®	CZB-4	CZB-5	CZB-3	CZB-6	CZB-7	–	–
UNCOATED UNBESCHICHTET	CAN-9	CAP-1	CAP-2	CAP-3	CAP-4	CAP-5	CAP-7



200 mm

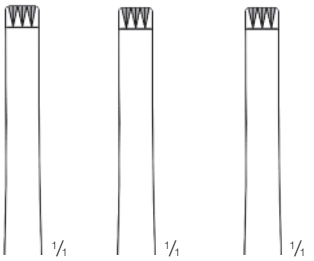
2x3 TEETH / ZÄHNE



CERAMO®	CZB-2
UNCOATED UNBESCHICHTET	CAN-2



3x4 TEETH / ZÄHNE



145 mm	160 mm	300 mm
CAN-5	CAN-6	CAN-7



CERAMO®

CLIP APPLYING FORCEPS
CLIPANLEGEZANGEN

FOR / FÜR YASARGIL + SUGITA CLIPS

		CLIP ROTATABLE / DREHBAR
		
TOTAL LENGTH GESAMTLÄNGE		230 mm / 270 mm
LENGTH a LÄNGE a		80 mm / 120 mm
CLIP SIZE CLIP GRÖßE	MINI	TOQ-9 / TOQ-7
	STANDARD	TOQ-8 / TOQ-6

SHAFT ROTATABLE
SCHAFT DREHBAR



MEMORY

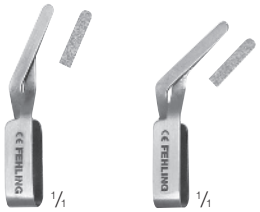
FOR / FÜR YASARGIL + SUGITA CLIPS

		CLIP FIXED / STARR			CLIP ROTATABLE / DREHBAR		
							
LENGTH a LÄNGE a		70 mm	90 mm	110 mm	70 mm	90 mm	110 mm
CLIP SIZE CLIP GRÖßE	MINI	NIB-1	NIB-2	NIB-3	NIB-7	NIB-8	NIB-9
	STANDARD	NIC-0	NIC-1	NIB-0	NIB-4	NIB-5	NIB-6

The shafts of MEMORY clip applying forceps are constructed of shape-memory metal. They are malleable in normal O.R. temperatures. Soft pressure allows ”permanent” deformation of shape according to the surgeon’s needs. However in higher temperatures, such as those found in the autoclave, the instruments regain their initial shape.

MEMORY Clipanlegezangen haben einen Schaft aus Formgedächtnismetall. Sie sind bei normaler OP-Temperatur biegbar. Sie können durch sanften Druck in die gewünschte Form gebracht werden. Unter höheren Temperaturen, wie bei der Sterilisation, nehmen sie ihre ursprüngliche Form wieder an.

TCM SCHWARTZ



PRESSURE DRUCK	25°	45°
ca. 5,0 N	MIC-6	MIC-7
ca. 7,8 N	MIC-4	MIC-5

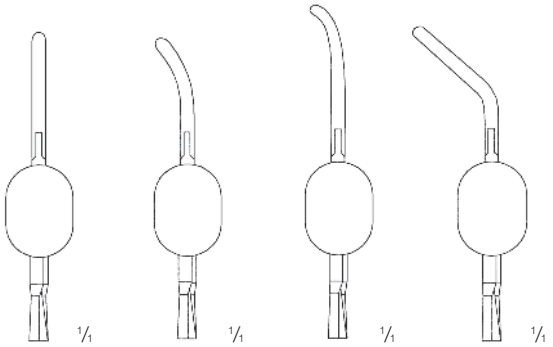


SCHWARTZ
CLIP APPLYING FORCEPS
CLIPANLEGEZANGE
190 mm

MBC-9



MUELLER
NON-TRAUMATIC
ATRAUMATISCH



PRESSURE DRUCK	50 g	MSI-3	MSI-5	MSI-7	MSI-1
	80 g	MSI-4	MSI-6	MSI-8	MSI-2



CLIP APPLYING FORCEPS
CLIPANLEGEZANGE

140 mm	DBA-3
180 mm	DBA-4
220 mm	DBA-5

TITANIUM



V (Vena) = low pressure
V (Vena) = schwacher Druck
1 N ± 10%



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



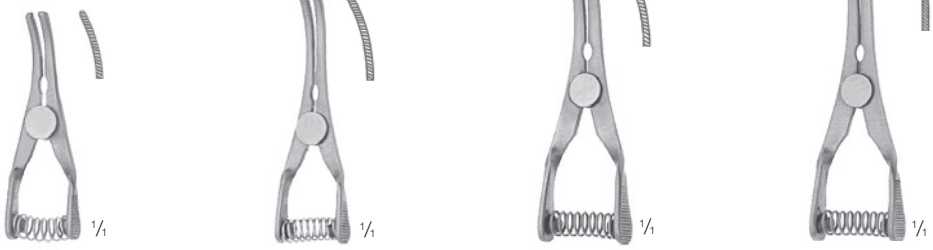




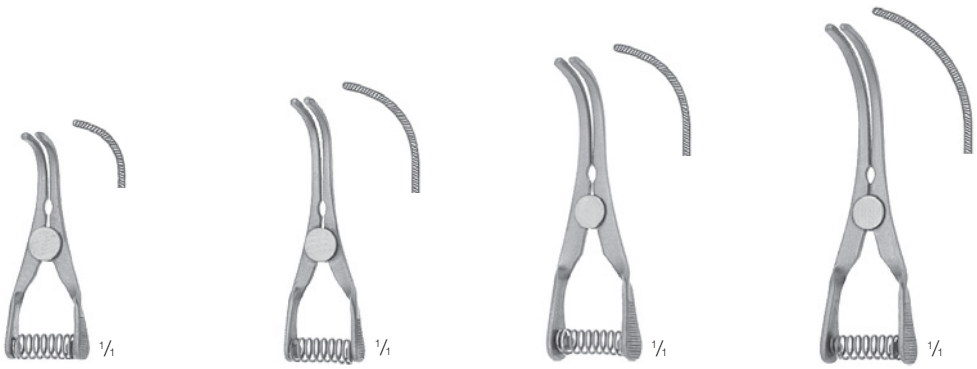


IDENTIFICATION KENNZEICHNUNG	V = VENA	A = ARTERIA	V = VENA	A = ARTERIA	V = VENA	A = ARTERIA	V = VENA	A = ARTERIA
ITEM. - NO. ART. - NR.	MMA-1	MKS-9	MMF-7	MML-6	MKT-1	MKE-5	MML-8	MML-7
TOTAL LENGTH GESAMTLÄNGE	30 mm		35 mm		40 mm		50 mm	
LENGTH OF JAW MAULLÄNGE	9 mm		13 mm		14 mm		23 mm	
WEIGHT GEWICHT	1 gr.		1 gr.		1 gr.		1,5 gr.	

TITANIUM



IDENTIFICATION KENNZEICHNUNG	V = VENA	A = ARTERIA	V = VENA	A = ARTERIA	V = VENA	A = ARTERIA	V = VENA	A = ARTERIA
ITEM. - NO. ART. - NR.	MMF-8	MMA-9	MMA-8	MMB-1	MML-9	MMB-2	MMF-3	MMB-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.	



IDENTIFICATION KENNZEICHNUNG	V = VENA	A = ARTERIA	V = VENA	A = ARTERIA	V = VENA	A = ARTERIA	V = VENA	A = ARTERIA
ITEM. - NO. ART. - NR.	MMM-2	MMM-1	MMF-4	MMF-5	MMM-4	MMM-3	MMA-2	MKT-2
TOTAL LENGTH GESAMTLÄNGE	30 mm		35 mm		40 mm		45 mm	
LENGTH OF JAW MAULLÄNGE	10 mm		14 mm		15 mm		21 mm	
WEIGHT GEWICHT	1 gr.		1 gr.		1 gr.		1,5 gr.	

WELDON



1/1

35 mm



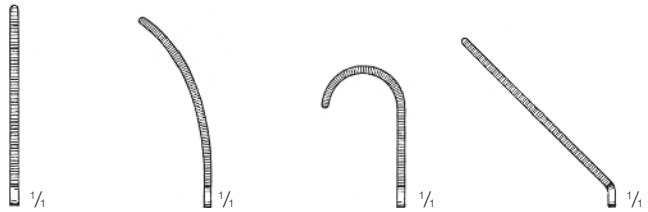
1/1 1/1 1/1 1/1

STRAIGHT GERADE	CURVED GEBOGEN	ACUTELY CURVED STARK GEBOGEN	ANGLED GEWINKELT
MAZ-7	MAZ-9	MBA-2	MEE-9



1/1

45 mm



1/1 1/1 1/1 1/1

STRAIGHT GERADE	CURVED GEBOGEN	ACUTELY CURVED STARK GEBOGEN	ANGLED GEWINKELT
MAZ-8	MBA-1	MEE-8	MBA-4



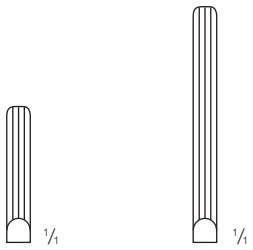
1/2

APPLYING FORCEPS FOR SPRING BULLDOG CLAMPS
ANLEGEZANGE FÜR FEDERBULLDOGKLEMMEN

MMM-0



1/1

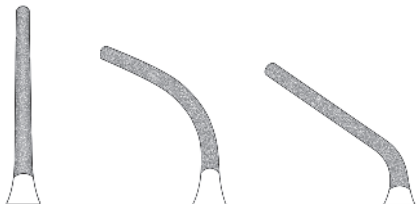


1/1 1/1

JAW LENGTH MAULLÄNGE	18 mm	28 mm
TOTAL LENGTH GESAMTLÄNGE	42 mm	52 mm
	MBC-0	MBA-0



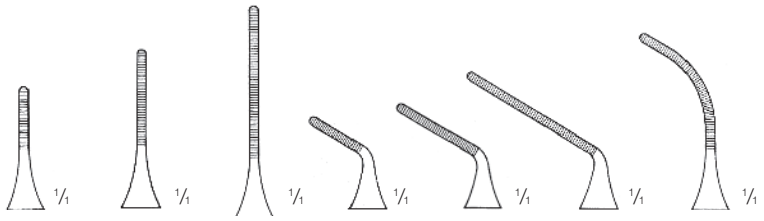
TCM IMA
55 mm



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



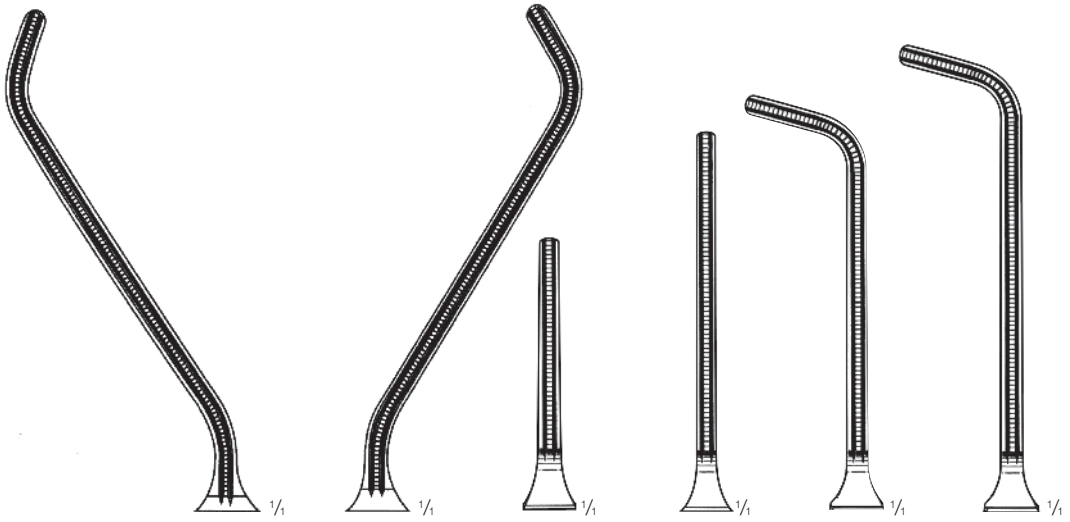
DIETHRICH
55 mm



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
"SOFT" CAROTIS KLEMMEN



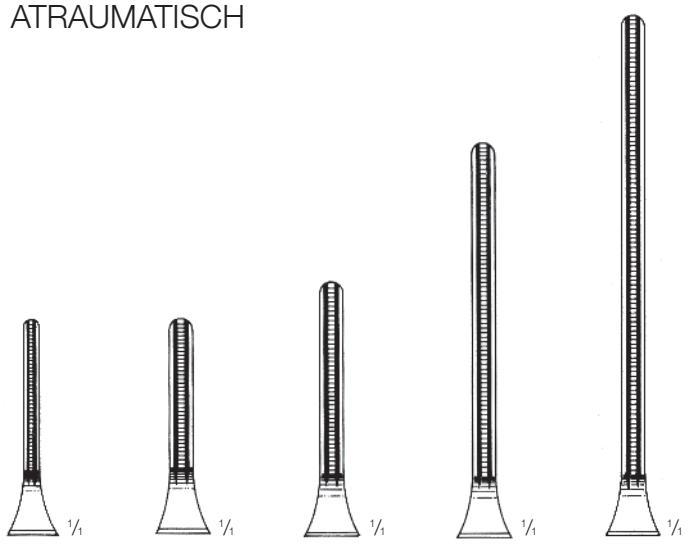
JAW LENGTH MAULLÄNGE	60 mm	60 mm	27 mm	44 mm	55 mm	60 mm
TOTAL LENGTH GESAMTLÄNGE	110 mm	110 mm	90 mm	110 mm	105 mm	110 mm
	MNI-7	MNI-6	MNJ-1	MNJ-2	MNJ-3	MNJ-4

DE BAKEY

NON-TRAUMATIC
ATRAUMATISCH



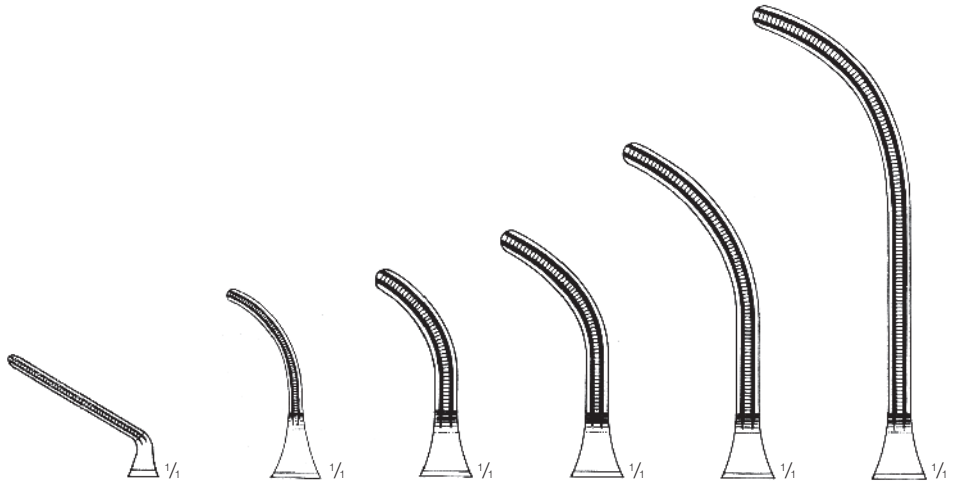
1/1



TOTAL LENGTH GESAMTLÄNGE	55 mm	75 mm	90 mm	105 mm	120 mm
PRESSURE / DRUCK: 1,8 N	MAM-5	MAM-6	MAM-7	MAM-8	MAM-9
PRESSURE / DRUCK: 2,8 N	MAO-1	–	–	–	–

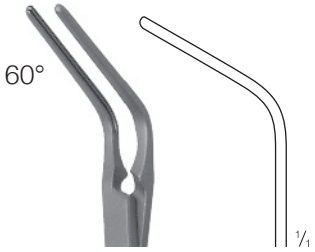


1/1

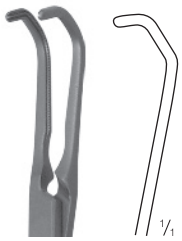


TOTAL LENGTH GESAMTLÄNGE	55 mm	55 mm	75 mm	85 mm	105 mm	120 mm
PRESSURE / DRUCK: 1,8 N	MAM-4	MAN-2	MAN-3	MAN-4	MAN-5	MAN-6
PRESSURE / DRUCK: 2,8 N	MAO-3	MAO-2	–	–	–	–

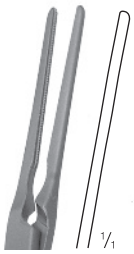
TITANIUM



MHN-1



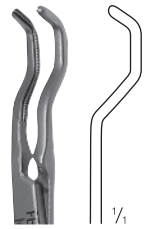
6 mm
MHN-2



MHM-9



DE BAKEY
105 mm



6 mm
MHN-3



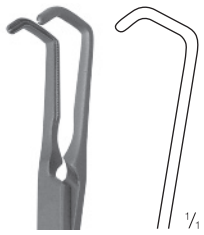
DE BAKEY
105 mm



9 mm
MHN-4



DE BAKEY
105 mm



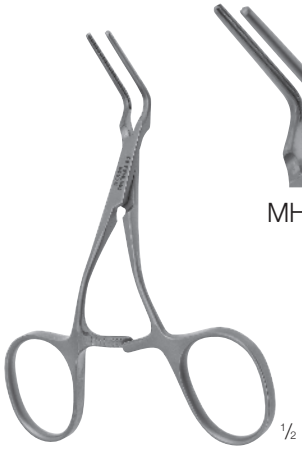
6 mm
MHO-3



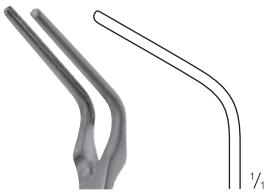
SEBENING
105 mm



9 mm
MHO-4



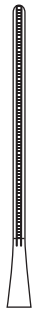
SEBENING
105 mm



MHO-6

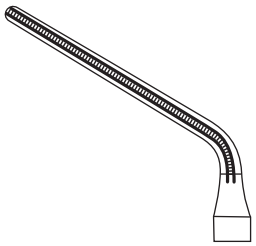
NON-TRAUMATIC PEDIATRIC FORCEPS
ATRAUMATISCHE PÄDIATRISCHE KLEMMEN



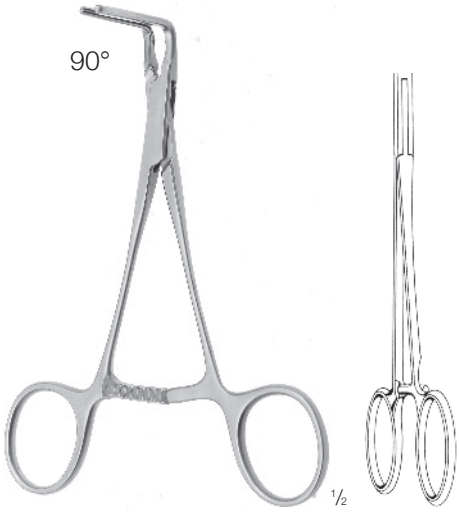


125 mm	145 mm	165 mm
MAC-2	MAE-7	MAH-2
MER-4	MDV-9	MER-5





125 mm	145 mm	165 mm
MAC-4	MAE-9	MAH-4
MER-8	MDW-2	MER-9

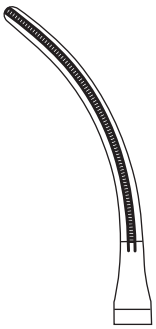




125 mm	145 mm	165 mm
MAC-5	MAF-1	MAH-5
MES-1	MES-2	MES-3

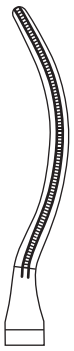
TITANIUM
TITAN



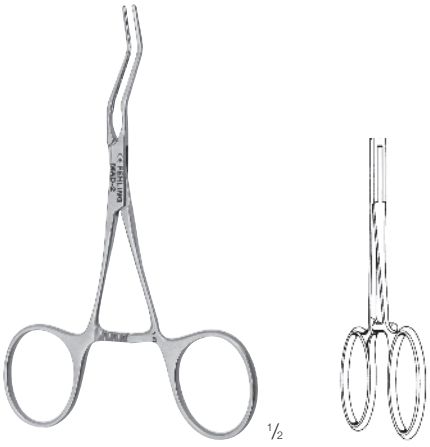


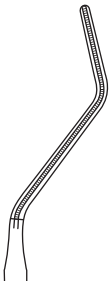
125 mm	145 mm	165 mm
MAD-1	MAF-6	MAJ-1
MET-4	MET-5	MET-6





125 mm	145 mm	165 mm
MAC-9	MAF-5	MAH-9
MDT-8	MDU-2	MDU-5



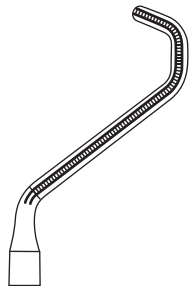


125 mm	145 mm	165 mm
MAD-2	MAF-7	MAJ-2
MET-7	MET-8	MET-9

TITANIUM
TITAN

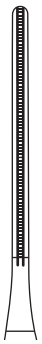
NON-TRAUMATIC PEDIATRIC FORCEPS
ATRAUMATISCHE PÄDIATRISCHE KLEMMEN





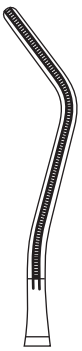
125 mm	145 mm	165 mm
MAC-8	MAF-4	MAH-8
MET-1	MET-2	MET-3





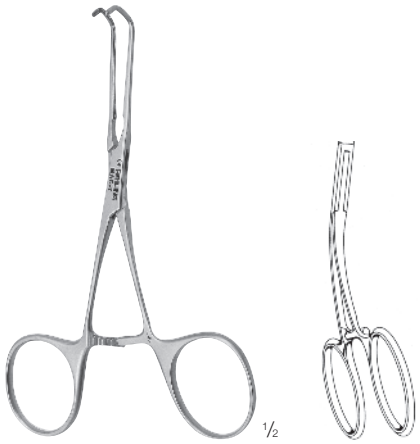
125 mm	145 mm	165 mm
MAD-3	MAF-8	MAJ-3
MEU-1	MEU-2	MEU-3

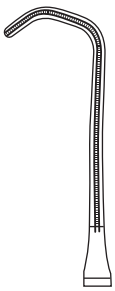




125 mm	145 mm	165 mm
MAC-6	MAF-2	MAH-6
MES-4	MES-5	MES-6

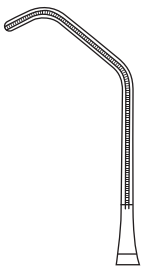
TITANIUM
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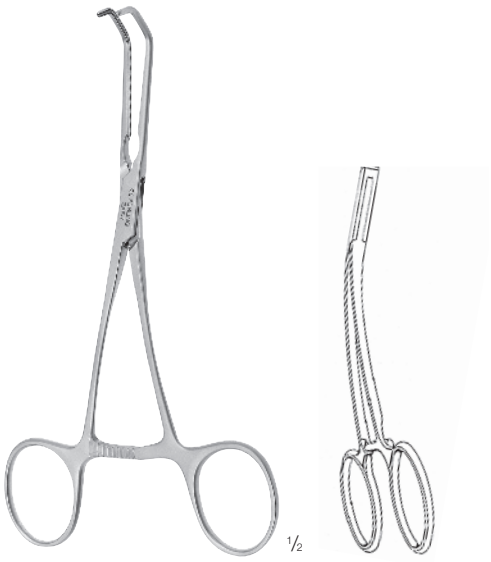


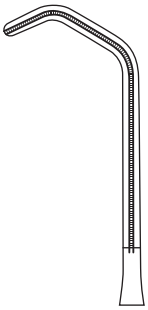
125 mm	145 mm	165 mm
MAC-7	MAF-3	MAH-7
MES-7	MES-8	MES-9





125 mm	145 mm	165 mm
MAD-9	MAG-5	MAJ-9
MEU-9	MEV-1	MEV-2

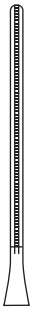




125 mm	145 mm	165 mm
ZAE-6	ZAF-7	ZAF-4

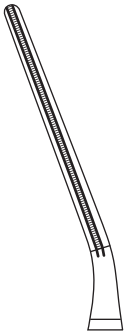
TITANIUM
TITAN





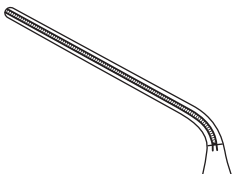
125 mm	145 mm	165 mm
MAC-3	MAE-8	MAH-3
MER-6	MDW-1	MER-7





125 mm	145 mm	165 mm
MAD-4	MAF-9	MAJ-4
MEU-4	MEU-5	MFA-1





125 mm	145 mm	165 mm
MAE-3	MAG-8	MAK-3
MEV-3	MEV-4	MDW-5

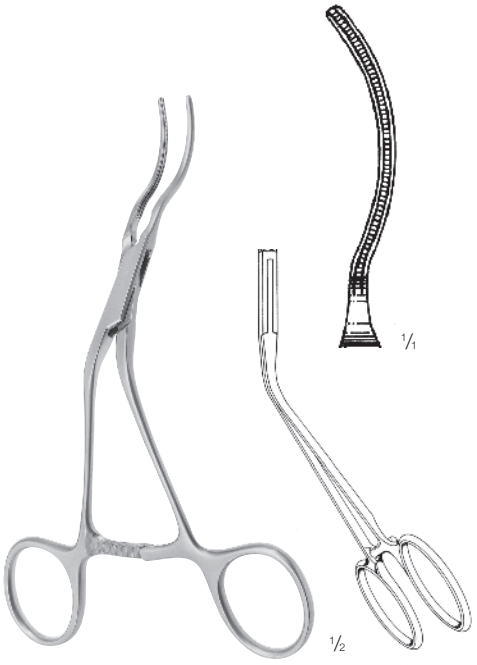
TITANIUM
TITAN



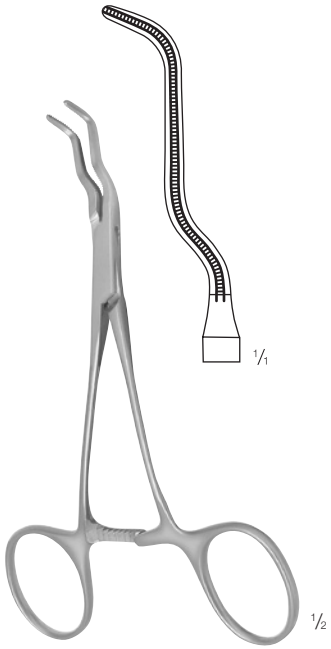


125 mm	145 mm	165 mm
MAD-6	MAG-2	MAJ-6
MEU-6	MEU-7	MEU-8

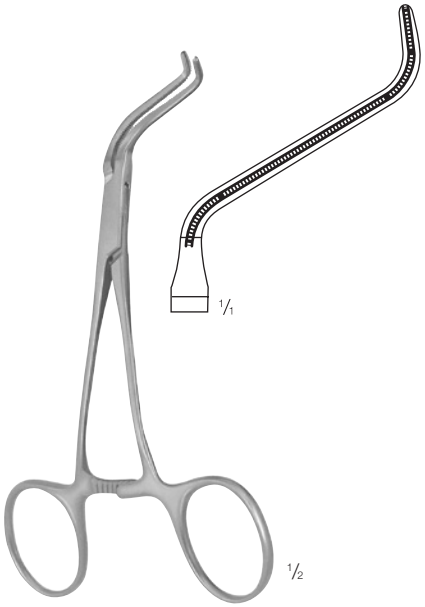
TITANIUM
TITAN



155 mm
MAH-0



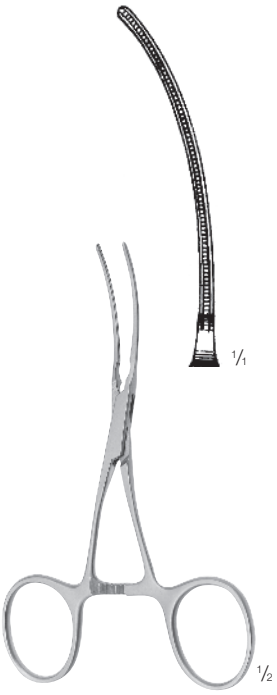
KITZMILLER
140 mm
MHD-3



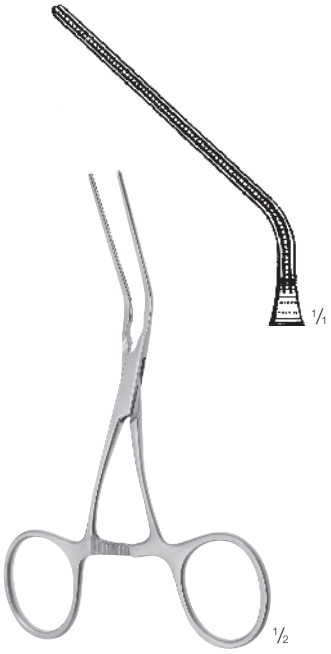
KITZMILLER
140 mm
MHD-4



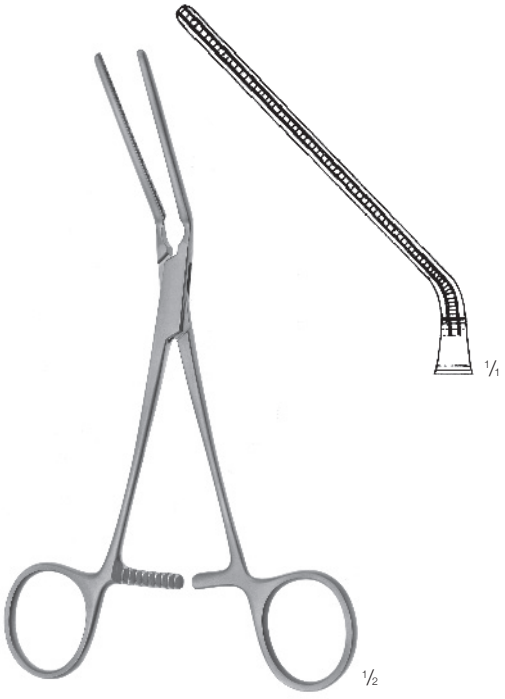
130 mm
MAE-4



130 mm
MAE-6



130 mm
MAE-5



TITANIUM
175 mm

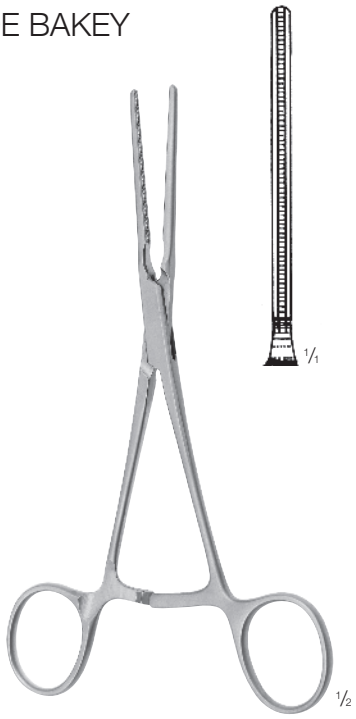
MDU-7



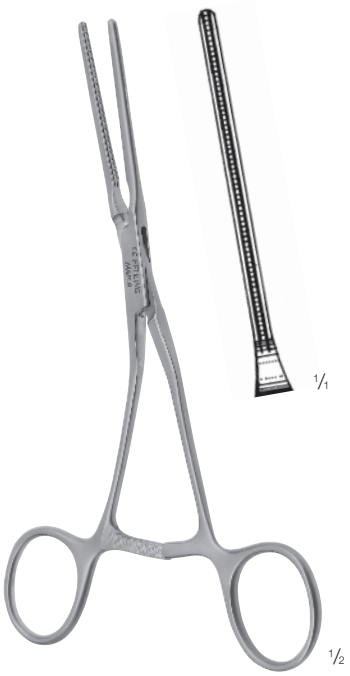
DE BAKEY
100 mm

MED-9

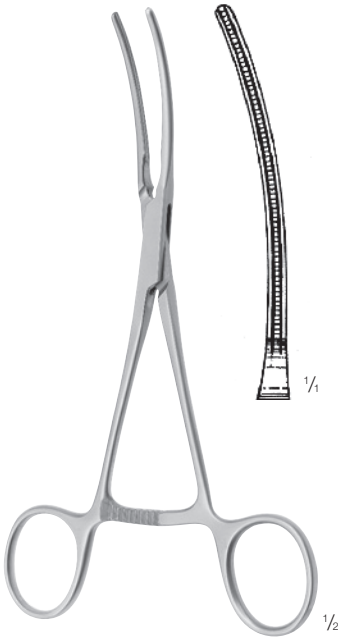
DE BAKEY



170 mm
MAP-8
MBD-1



165 mm
MAP-9
MBD-8



170 mm
MAC-1
MEO-7

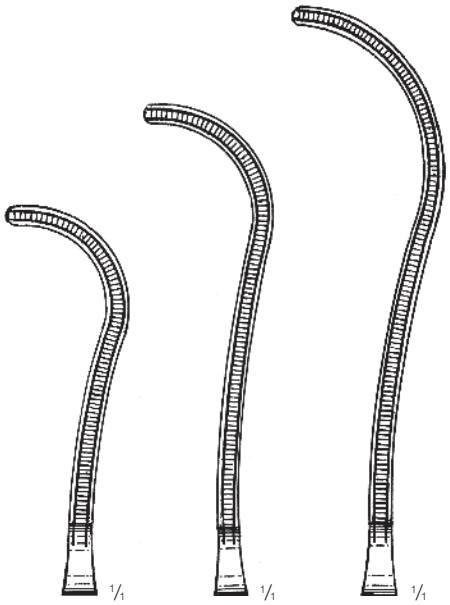


180 mm
MAS-1
MBF-2

TITANIUM
TITAN

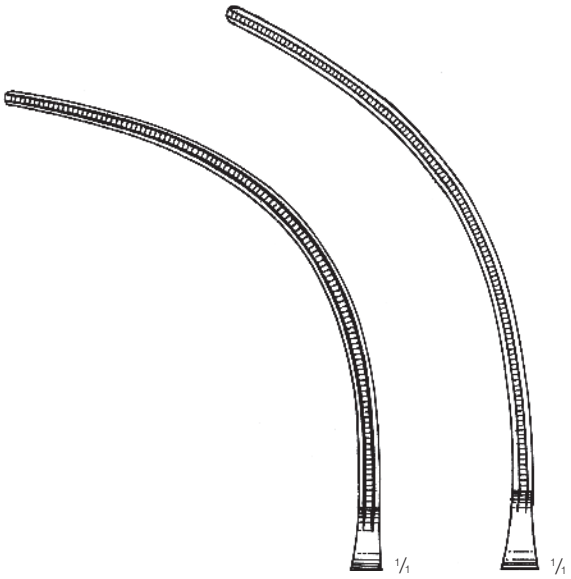
DE BAKEY



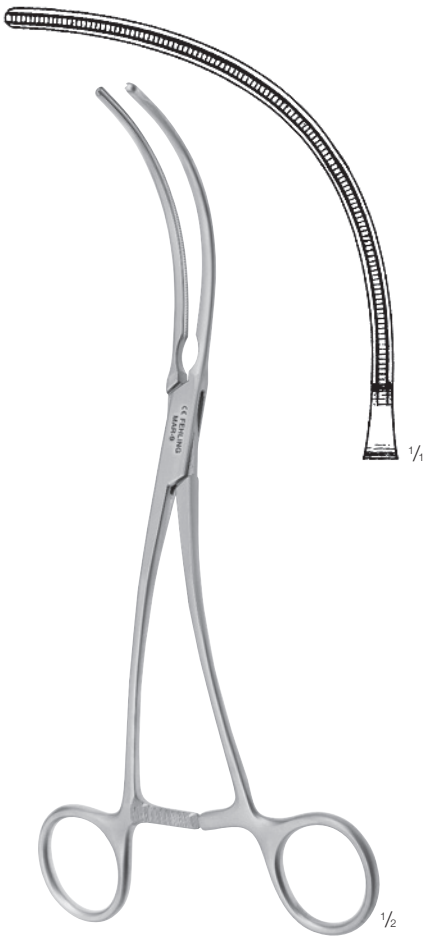


200 mm	220 mm	230 mm
MAV-1	MAV-2	MAR-5
MEO-8	MEP-1	MEO-9





185 mm	200 mm
MAR-2	MAR-4
MEP-4	MEP-9

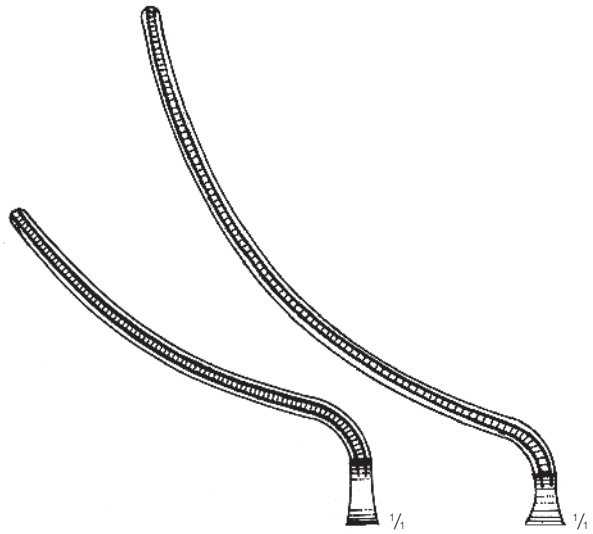


220 mm
MAR-9

TITANIUM
TITAN

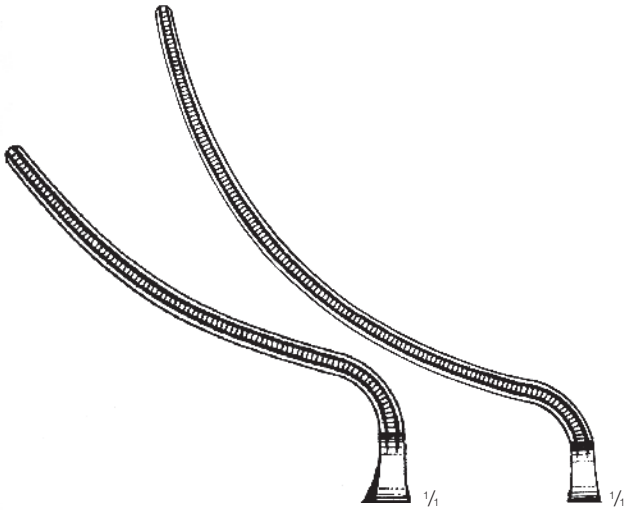
WYLIE





160 mm	185 mm
MEA-4	MEA-6

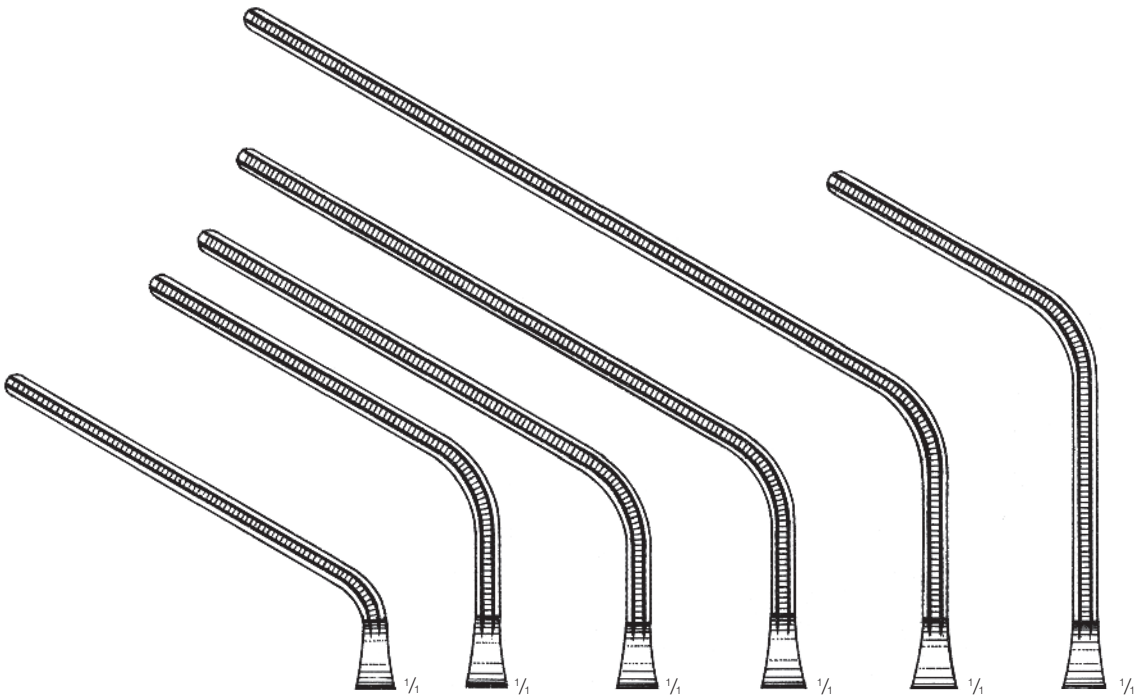




170 mm	200 mm
MEA-5	MEA-7

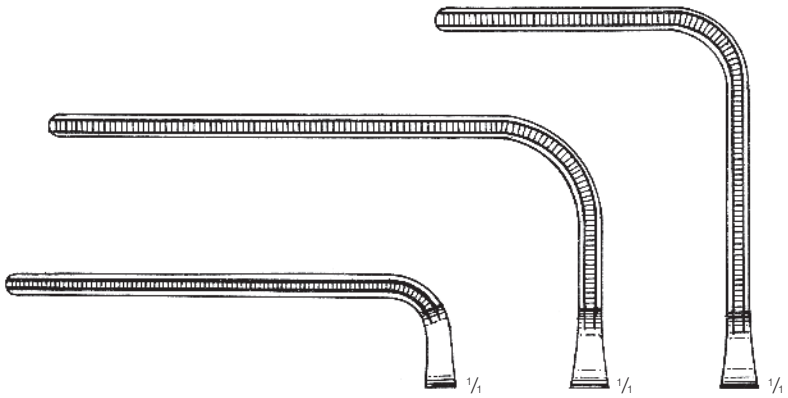
DE BAKEY





225 mm	230 mm	235 mm	280 mm	310 mm	240 mm
MHD-5	MAS-7	MAS-9	MHD-7	MAT-1	MAS-8

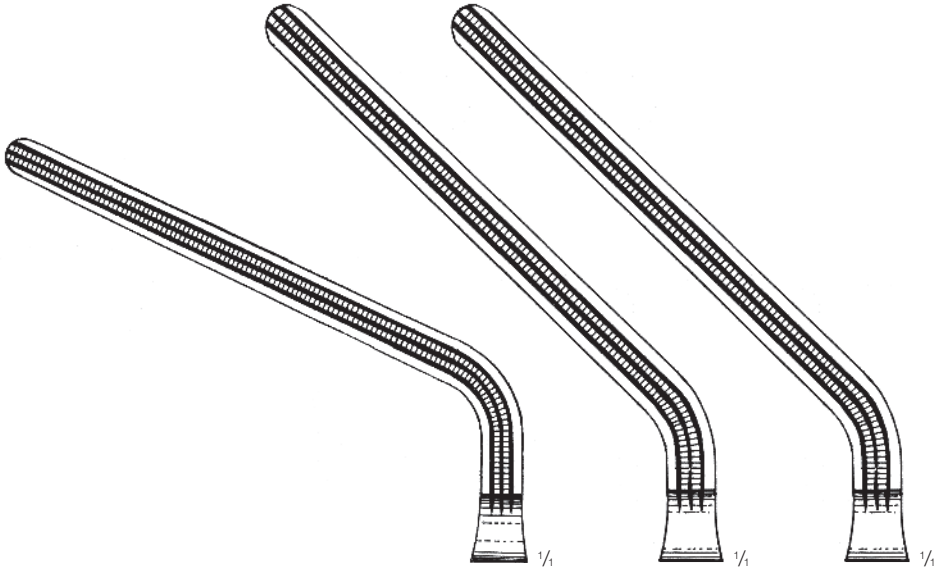




190 mm	255 mm	230 mm
MDV-7	MAS-5	MAS-4



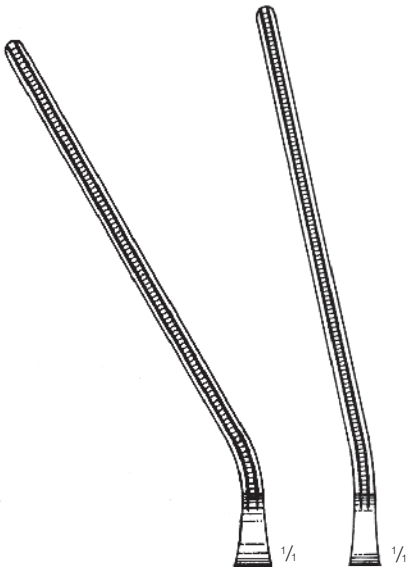
DE BAKEY BORST



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



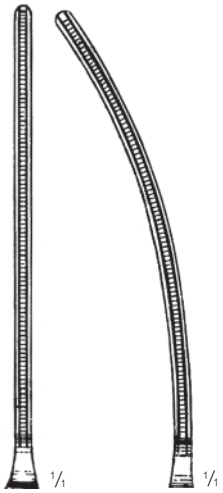
LELAND-JONES
190 mm



MAZ-5	MAZ-6
MEC-1	MED-6



DE BAKEY BAINBRIDGE
180 mm



MAN-8	MAP-7

TITANIUM
TITAN

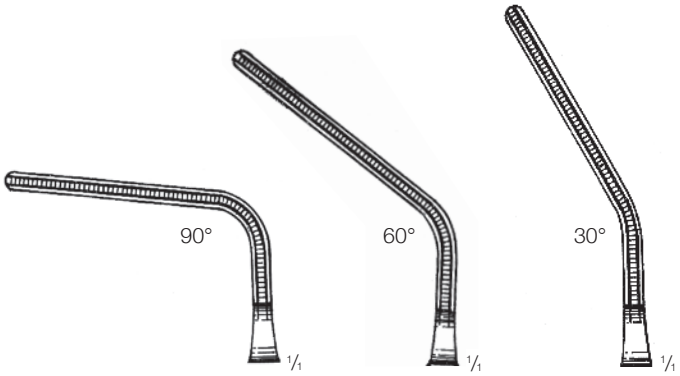
DE BAKEY





140 mm	160 mm	170 mm
MAX-6	MAX-7	MAX-8





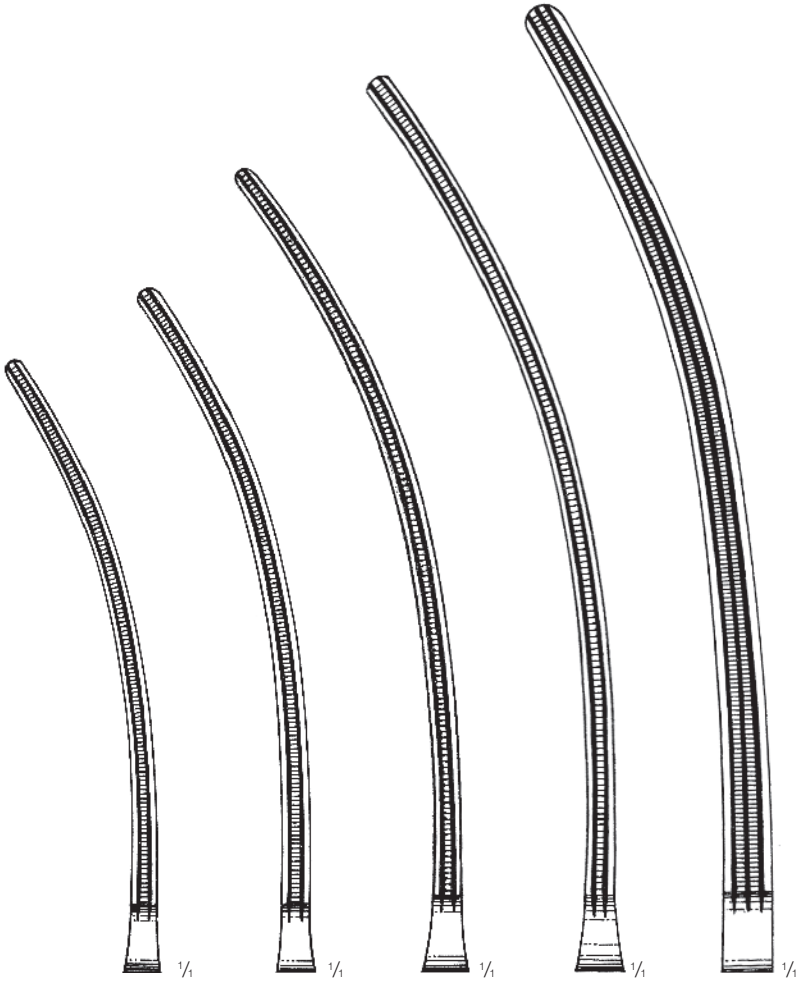
150 mm	160 mm	170 mm
MHC-7	MHC-9	MHC-8
MFR-1	MBF-1	MBE-1

TITANIUM
TITAN

DE BAKEY



½



1/1 1/1 1/1 1/1 1/1

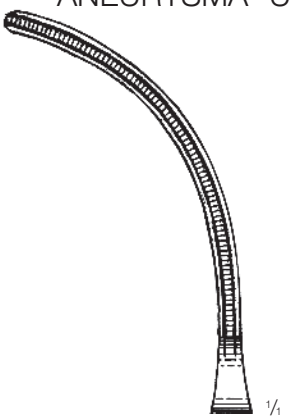
255 mm	265 mm	300 mm	310 mm	2x3 TEETH 2x3 ZÄHNE 320 mm
MAA-9	MAB-1	MAB-2	MAB-3	MFR-6
MFR-2	MFR-3	MFR-4	MFR-5	MEP-8

TITANIUM
TITAN

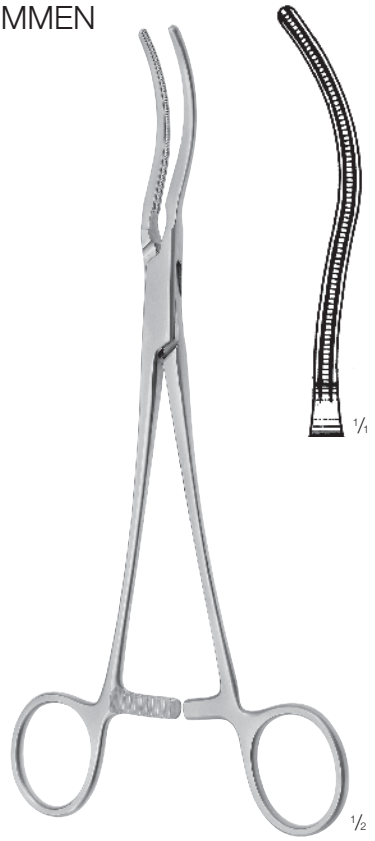
ANEURYSM AND ANASTOMOSIS CLAMPS
ANEURYSMA- UND ANASTOMOSENKLEMMEN



GLOVER
215 mm



MAY-1
MBD-3

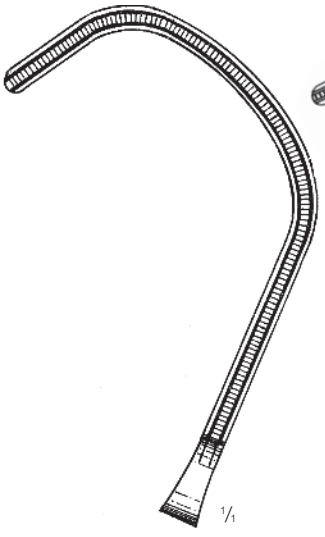


GLOVER
220 mm

MAY-2



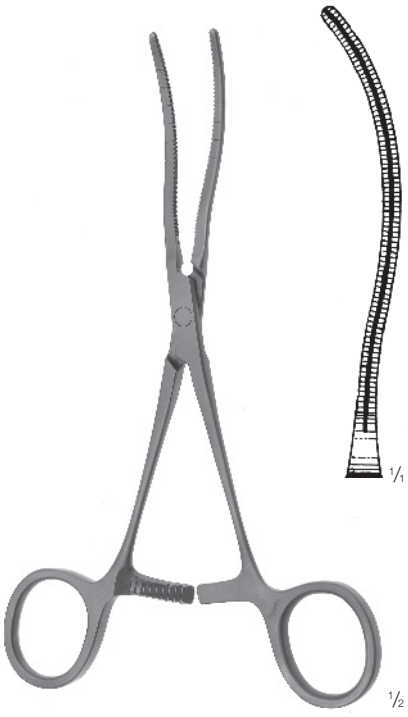
LAMBERT-KAY



200 mm	255 mm
MAU-5	MBA-8



200 mm
MBF-5



COOLEY
TITANIUM / TITAN
185 mm

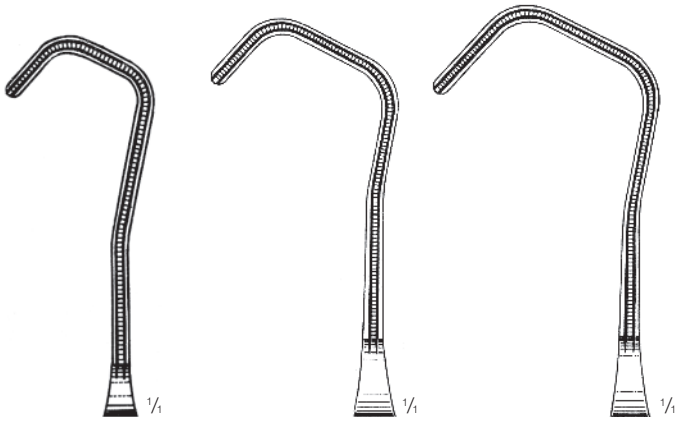
MDW-3

TITANIUM
TITAN

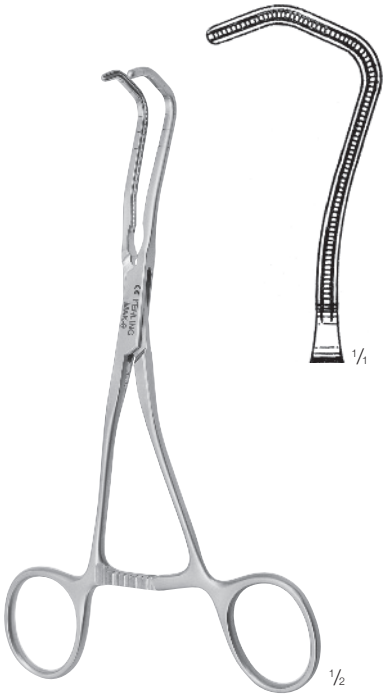
ANEURYSM AND ANASTOMOSIS CLAMPS
ANEURYSMA- UND ANASTOMOSENKLEMMEN



DERRA



160 mm	170 mm	180 mm
MAV-5	MAV-4	MAB-9
MBE-2	MBE-3	MBE-4

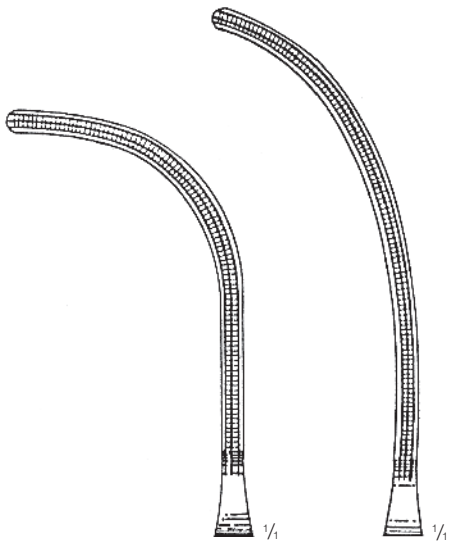


COOLEY
160 mm

MAK-9



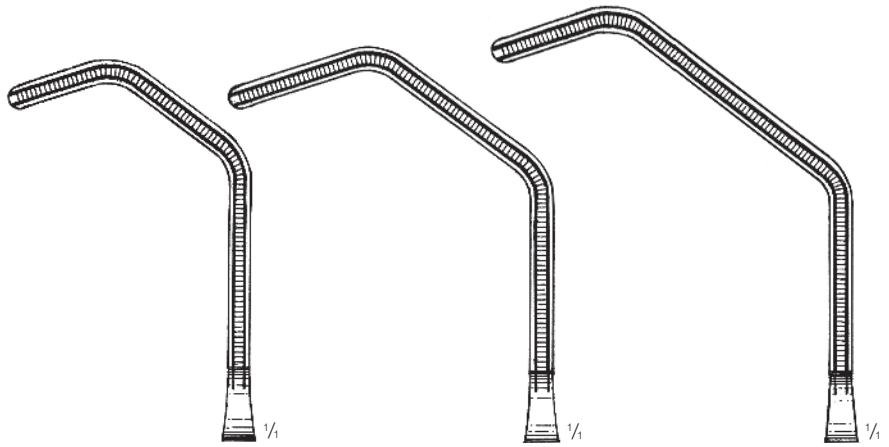
DE BAKEY



2x3 TEETH / ZÄHNE	
255 mm	265 mm
MKK-9	MKK-8

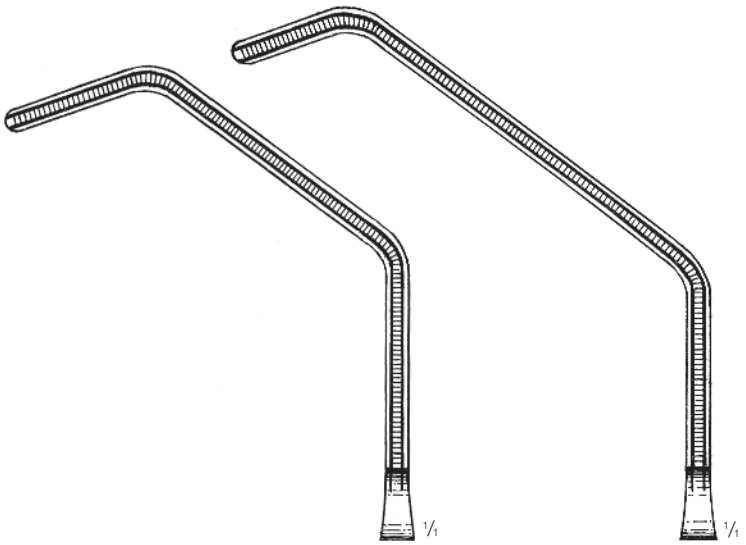
TITANIUM
TITAN

SATINSKY



1	2	3
210 mm	260 mm	265 mm
MBB-8	MBB-9	MBC-1
MBE-5	MBE-6	MBE-7





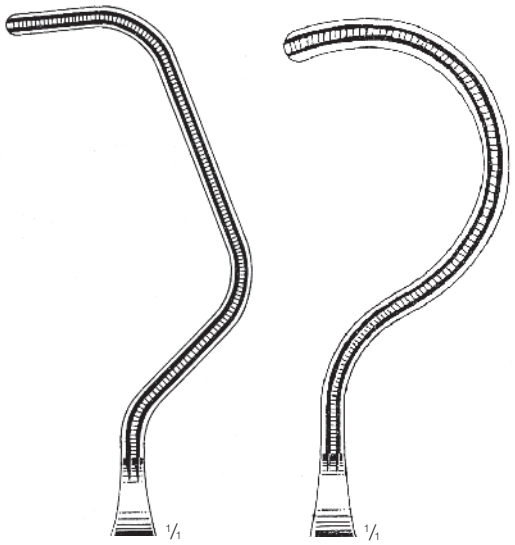
4	5
265 mm	275 mm
MBC-2	MBC-3
MBE-8	MBE-9

TITANIUM
TITAN

ANASTOMOSIS FORCEPS
ANASTOMOSENKLEMMEN



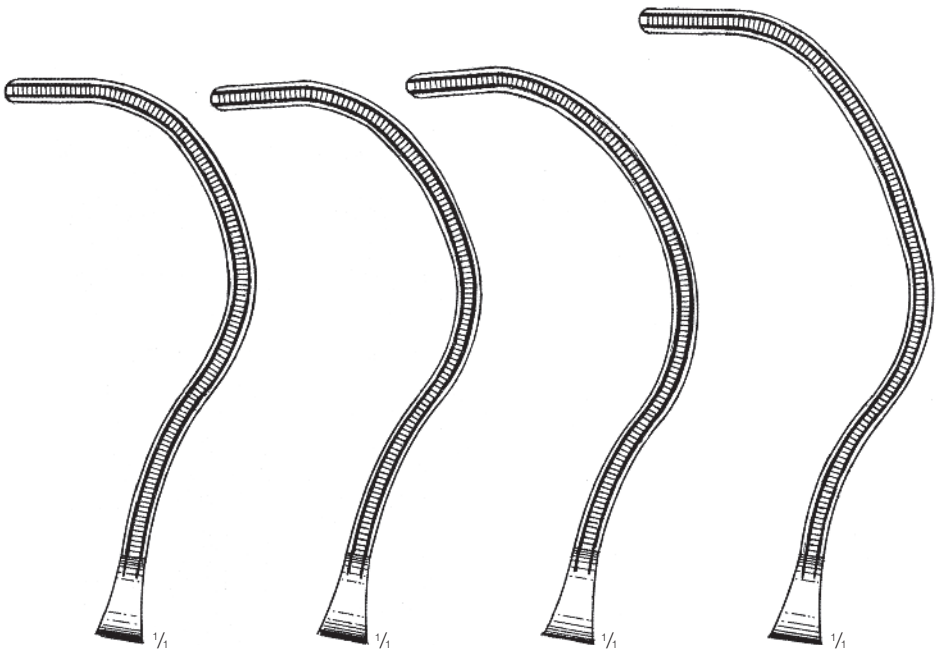
DALE



180 mm	190 mm
MAX-2	MAX-3

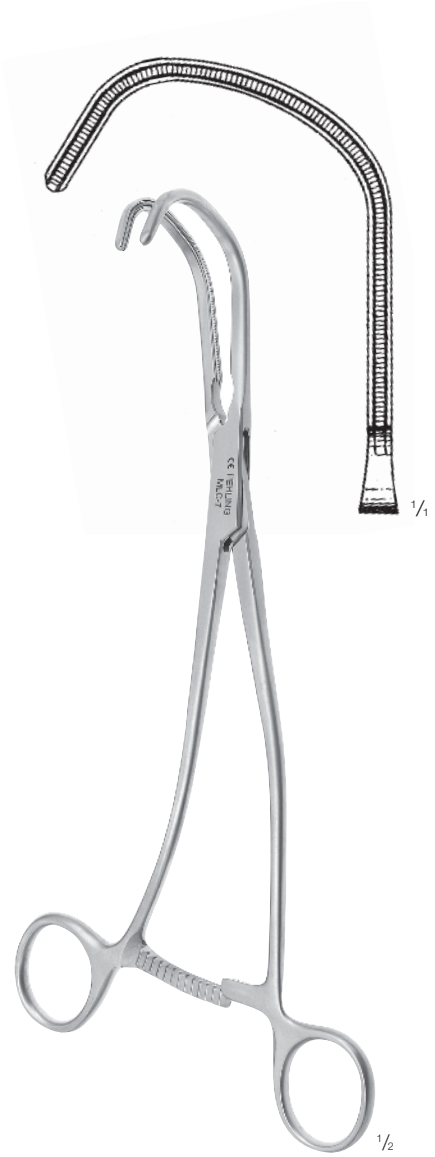


PARSONETT



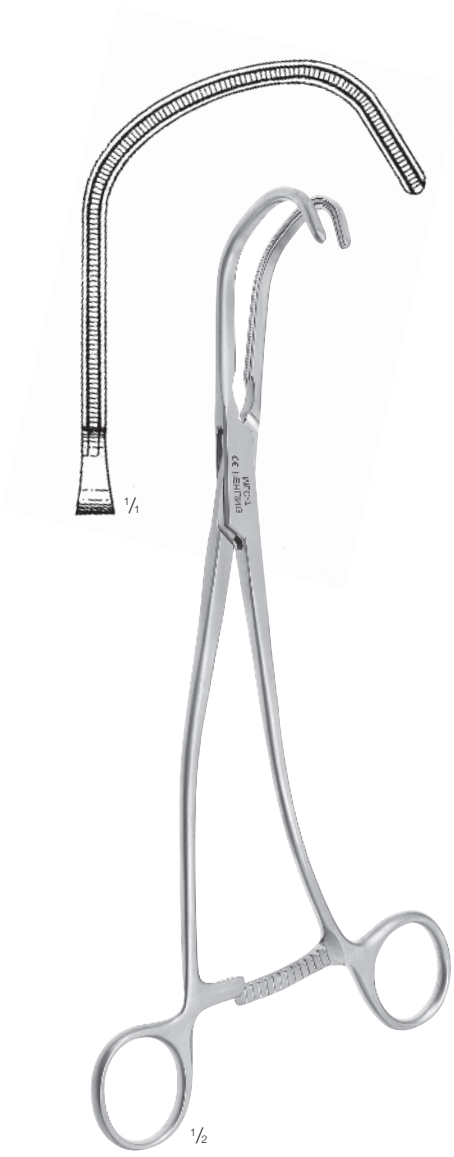
250 mm	260 mm	260 mm	265 mm
MBB-1	MBB-2	MEK-7	MBB-3

ATRIAL / ANASTOMOSIS FORCEPS
VORHOF-/ANASTOMOSENKLEMMEN



RIGHT PATTERN
RECHTSMODELL
250 mm

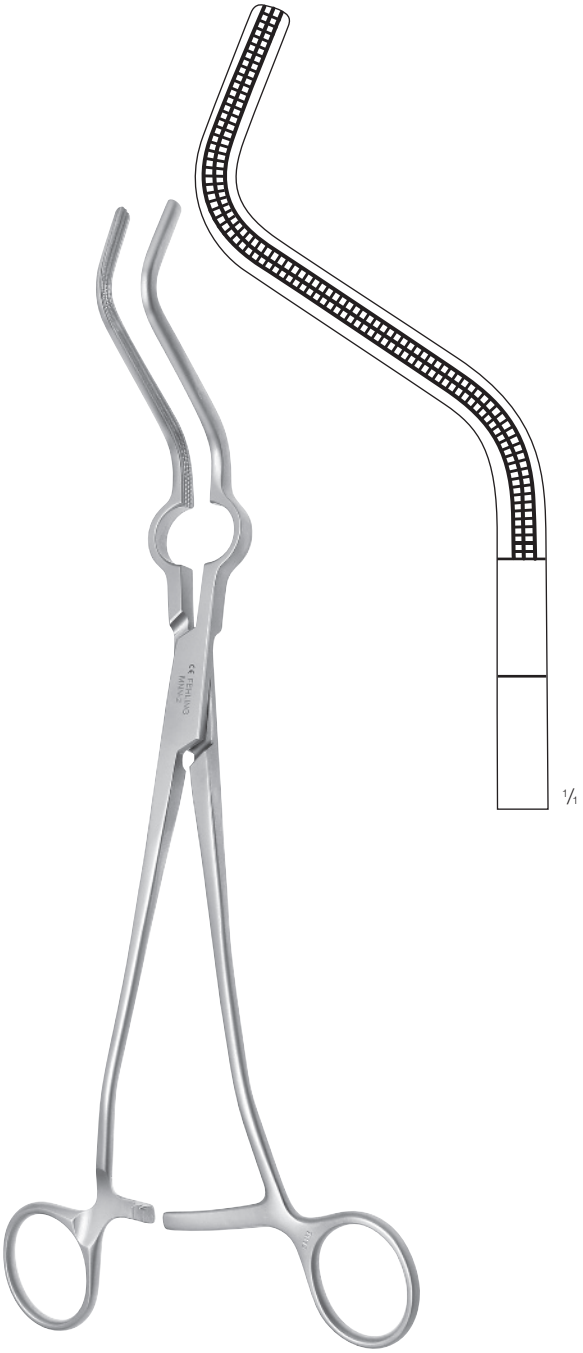
MLC-7



LEFT PATTERN
LINKSMODELL
250 mm

MLC-6

CLAMPS FOR THE PARTIAL OCCLUSION OF THE AORTA AND THE AORTIC ARC
KLEMMEN FÜR DEN PARTIELLEN VERSCHLUSS DER AORTA UND DES AORTENBOGENS



BIRNBAUM

JAW LENGTH MAULLÄNGE	TOTAL LENGTH GESAMTLÄNGE	
50 x 30 mm	310 mm	MNN-2
60 x 30 mm	320 mm	MNN-3
70 x 30 mm	330 mm	MNN-4



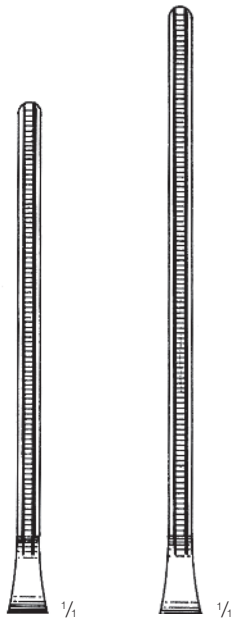
CALAFIORE

JAW LENGTH MAULLÄNGE	TOTAL LENGTH GESAMTLÄNGE	
70 mm	270 mm	MMV-0

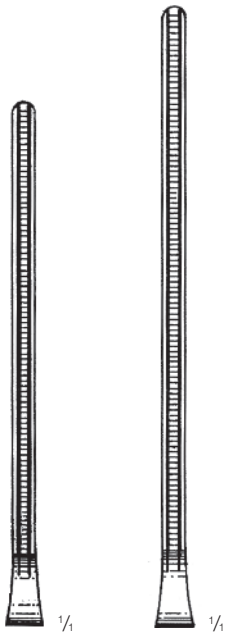
DE BAKEY



COARCTATION FORCEPS
COARCTATIONSKLEMMEN



225 mm	240 mm
MAP-2	MAP-3
MBD-2	–

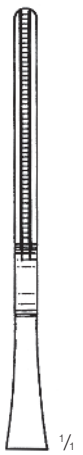


225 mm	240 mm
MAU-8	MAU-9



TITANIUM
TITAN

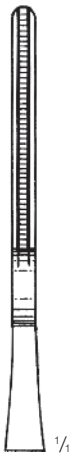




MEE-4
MEP-2

PATENT-DUCTUS-FORCEPS
PATENT-DUCTUS-KLEMMEN
220 mm



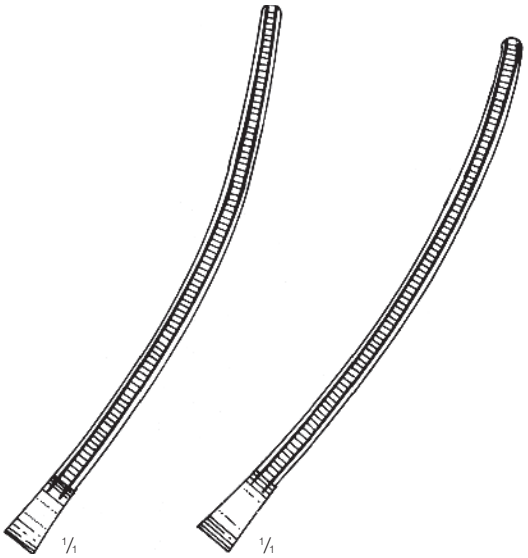


MEE-3

PATENT-DUCTUS-FORCEPS
PATENT-DUCTUS-KLEMMEN
210 mm



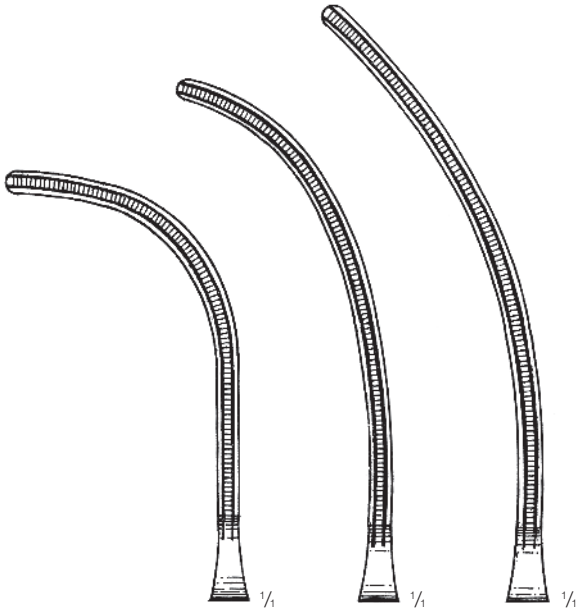
WYLIE
AORTIC FORCEPS
AORTENKLEMMEN



240 mm	270 mm
MBG-7	MDY-9

TITANIUM
TITAN

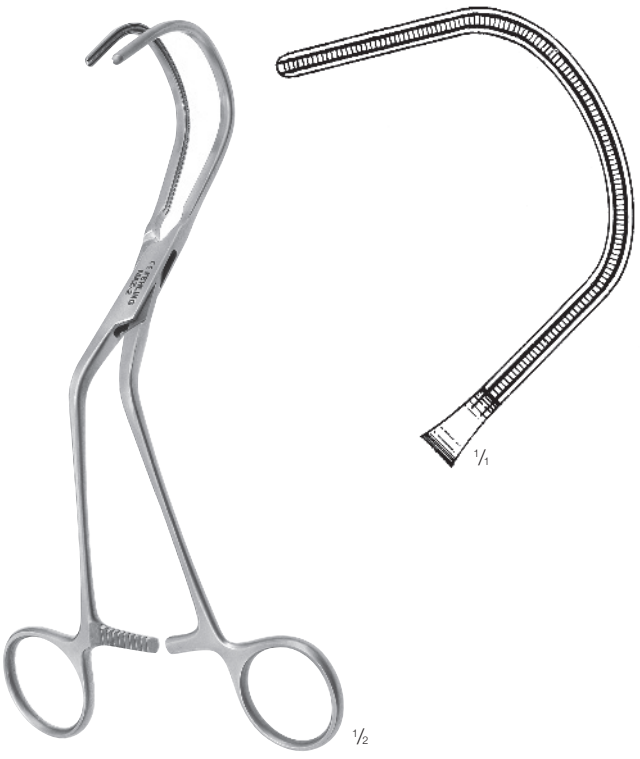
AORTIC CLAMPS
AORTENKLEMMEN



255 mm	265 mm	280 mm
MAT-7	MAT-8	MAT-9
MER-1	MER-2	MEZ-6



DE BAKEY



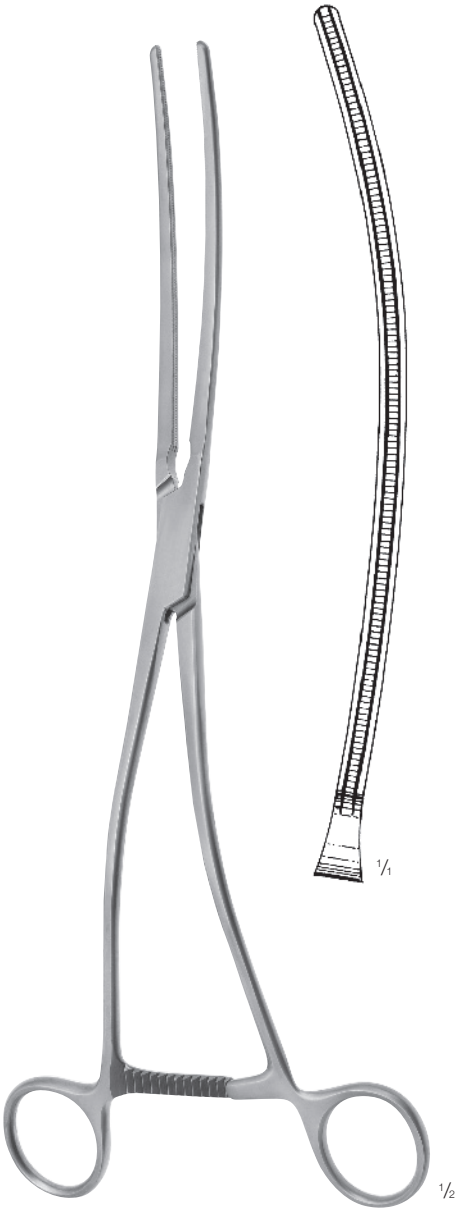
KAY
200 mm

MAZ-2

TITANIUM
TITAN

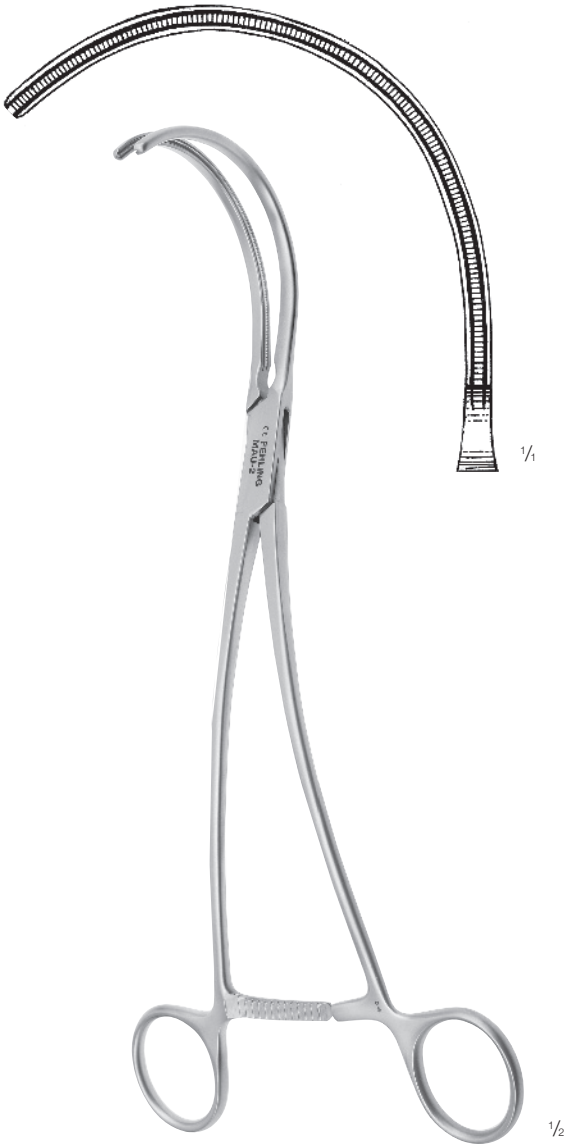
DE BAKEY

AORTIC CLAMPS
AORTENKLEMMEN



300 mm

MAU-1

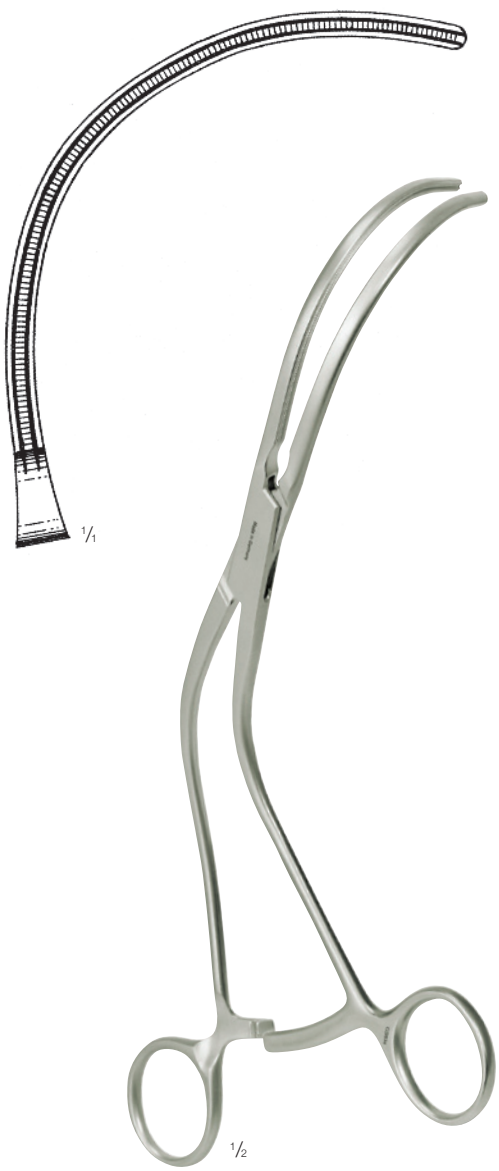


270 mm

MAU-2

WEBER

VENA CAVA CLAMPS
VENA CAVA KLEMMEN



RIGHT PATTERN
RECHTSMODELL
260 mm

ZAU-3

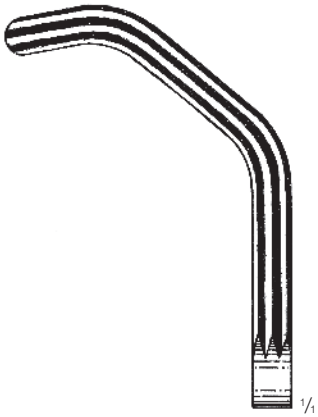


LEFT PATTERN
LINKSMODELL
260 mm

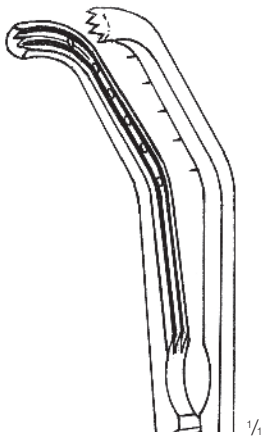
ZAU-2



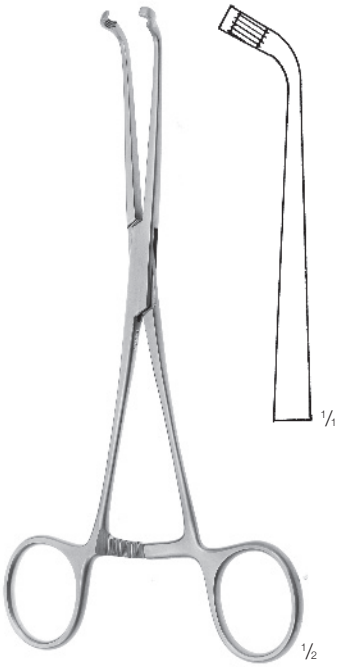
PRICE THOMAS
BRONCHUS FORCEPS
BRONCHUSKLEMMEN
220 mm



MEX-7



MEX-8



PRICE THOMAS
CATHETER INTRODUCING FORCEPS
KATHETEREINFÜHRZANGE
170 mm

MCP-7



HACKER
LOOP FORCEPS
UMFÜHRUNGSKLEMME
250 mm

ZBZ-0

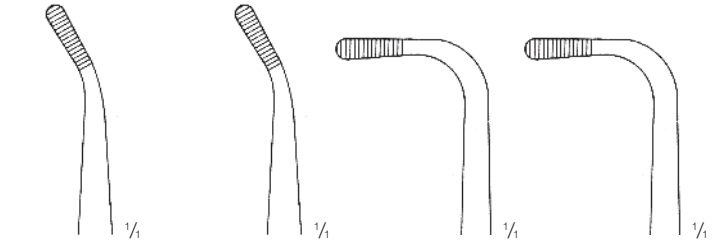


GUYON
LOOP FORCEPS
UMFÜHRUNGSKLEMME
250 mm

ZBZ-3



WATERSTON



180 mm	210 mm	170 mm	200 mm
DAY-7	DAY-9	DAY-6	DAY-8



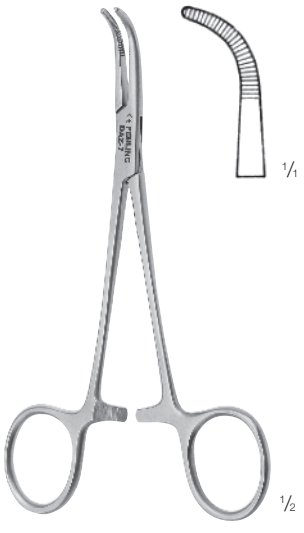
BABY-ADSON
185 mm

DAZ-8



BABY-ADSON
185 mm

DCG-8



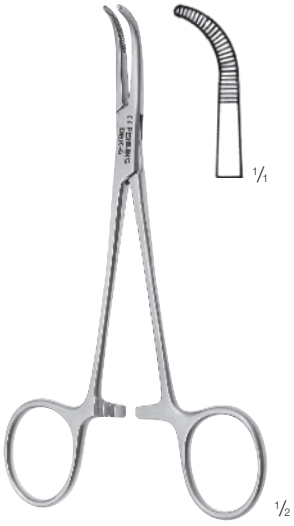
BABY-ADSON
140 mm

DAZ-7



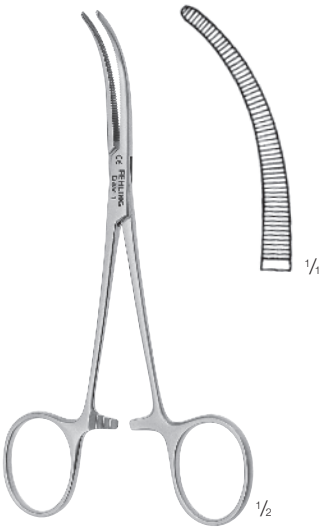
150 mm	210 mm
DAW-0	DAV-0

CERAMO® RONDO
MICRO LIGATURE FORCEPS
MIKROLIGATURKLEMME



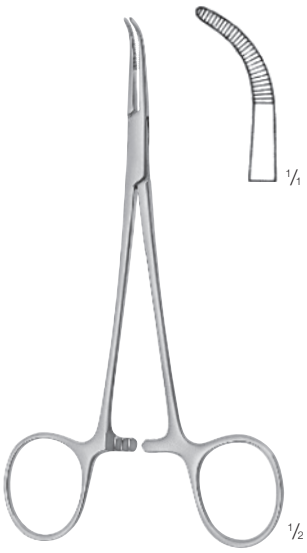
MICRO-ADSON
140 mm

DBK-6



BABY-OVERHOLT
135 mm

DAV-1



BABY-MIXTER
140 mm

DBA-1



BABY-MIXTER
180 mm

DBA-2

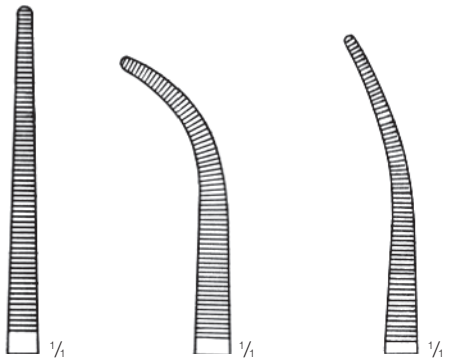


OVERHOLT-MIXTER
230 mm

DAX-9



HEISS

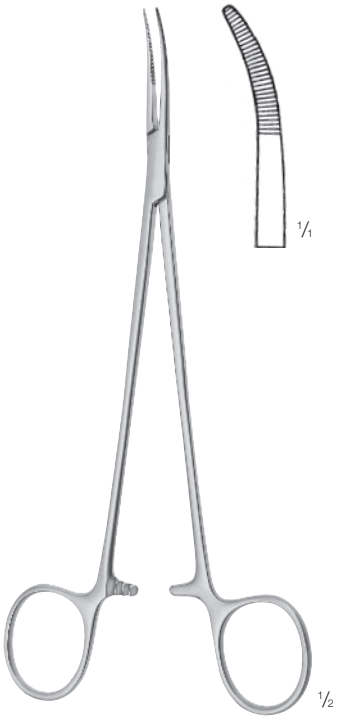


200 mm	205 mm	205 mm
DAG-1	DAG-3	DAG-4



MIXTER-O'SHAUGNESSY
190 mm

DCA-4



NISSEN
190 mm

DAL-6

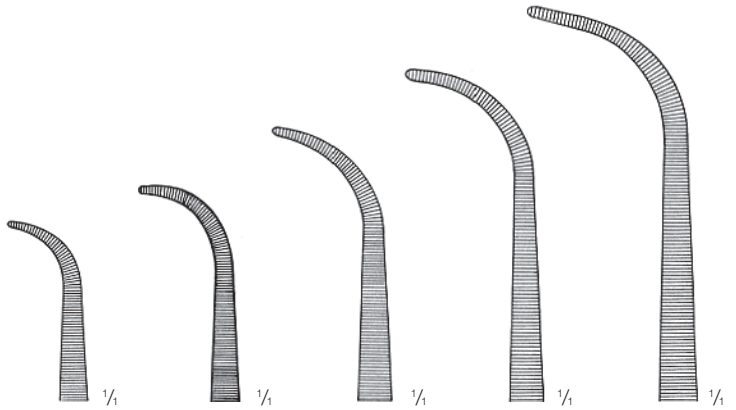


WIKSTROEM
210 mm

DAZ-1



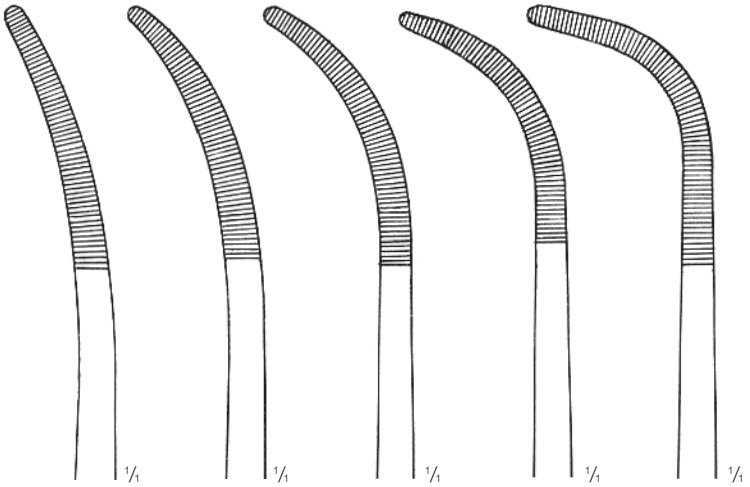
GEMINI



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



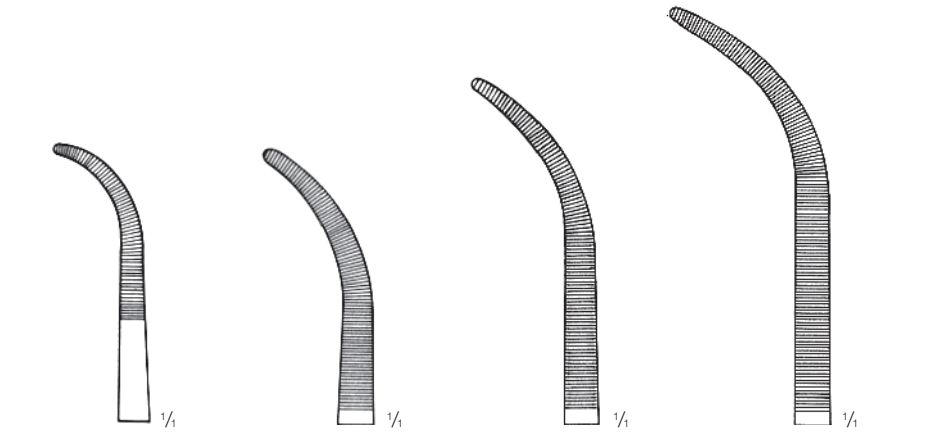
RUMEL



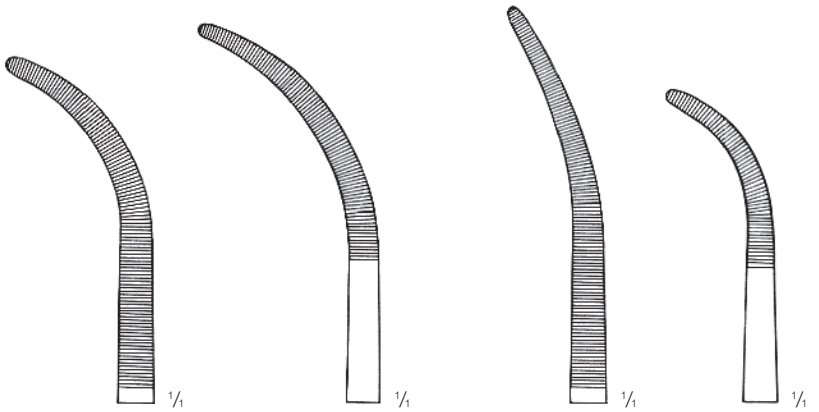
1	2	3	4	5
240 mm	240 mm	250 mm	240 mm	240 mm
DBK-7	DBK-8	DBK-9	DBL-1	DBL-2



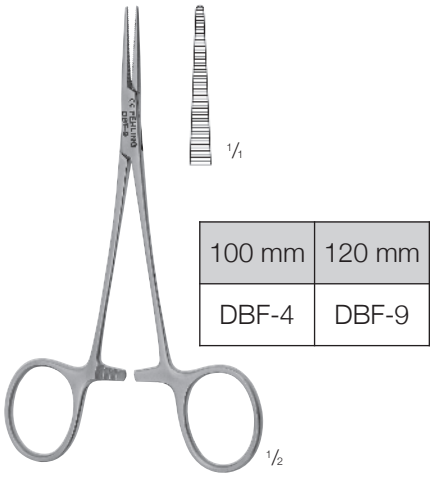
OVERHOLT-GEISSENDOERFER



190 mm	270 mm	200 mm	270 mm	210 mm	270 mm	220 mm	270 mm
DAW-3	DAX-1	DAW-4	DAX-2	DAW-5	DAX-3	DAW-6	DAX-4

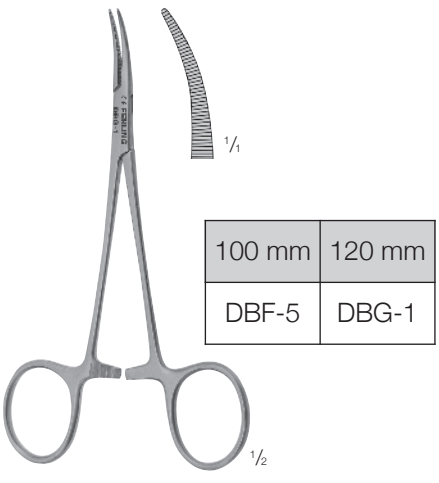


215 mm	270 mm	220 mm	270 mm	225 mm	270 mm	215 mm
DAW-7	DAX-5	DAW-8	DAX-6	DAW-9	DAX-7	ZAL-7



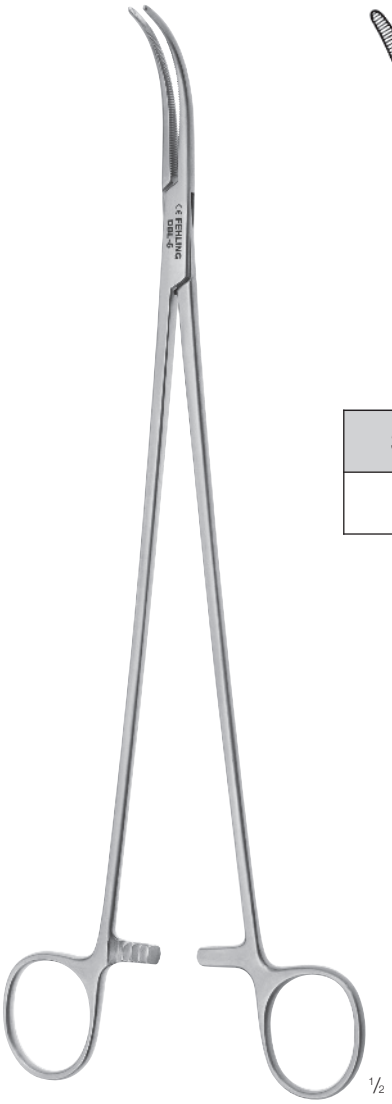
100 mm	120 mm
DBF-4	DBF-9

MICRO/MIKRO
MOSQUITO

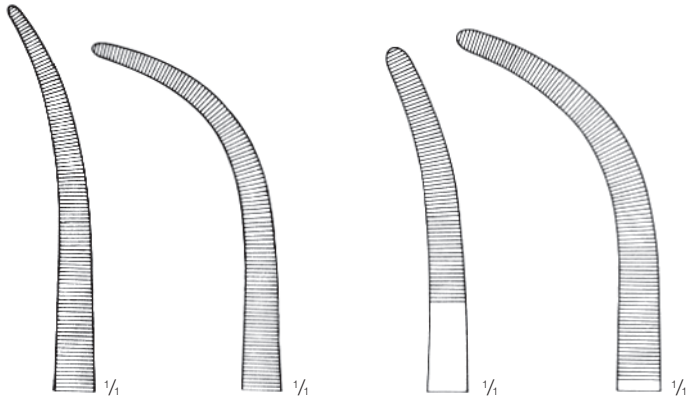


100 mm	120 mm
DBF-5	DBG-1

MICRO/MIKRO
MOSQUITO



ZENKER

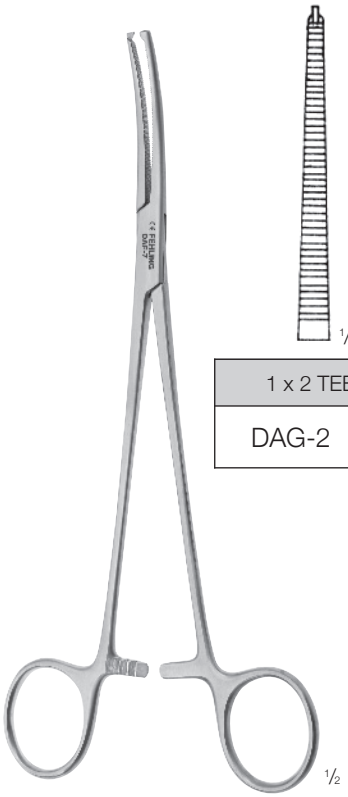


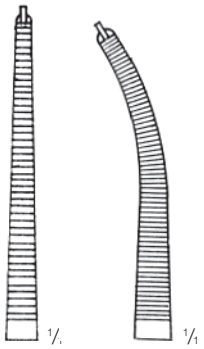
300 mm	285 mm	300 mm	300 mm
DBL-4	DBL-5	ZCD-9	ZCE-1



LIVERCLAMP
LEBERKLEMME
260 mm

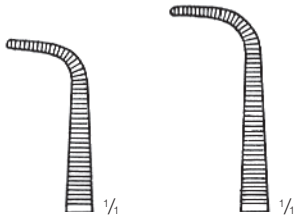
PAF-0





1 x 2 TEETH / ZÄHNE	
DAG-2	DAF-7

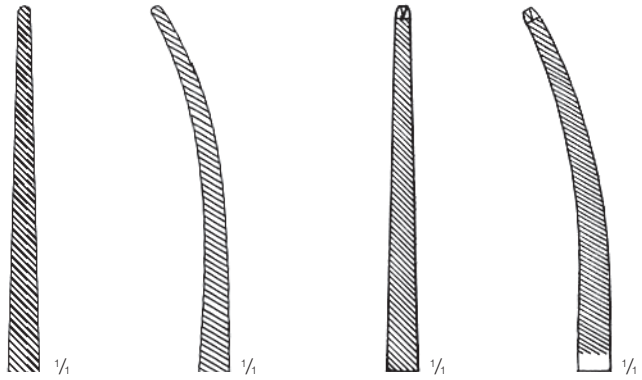




140 mm	180 mm
DAD-6	DAD-7

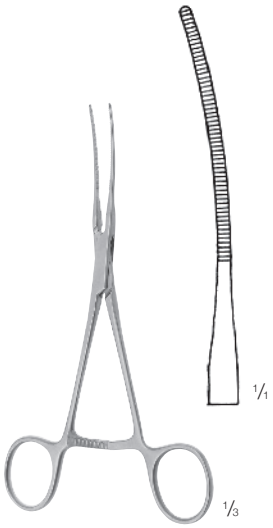
HEISS
210 mm





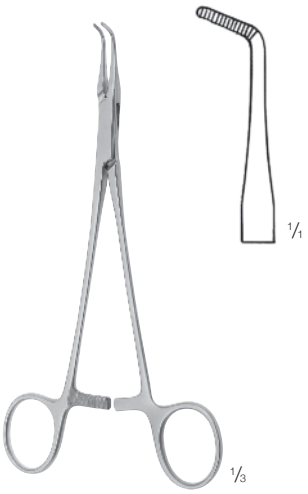
			1 x 2 TEETH / 1 x 2 ZÄHNE	
240 mm	DAA-6	DAA-7	DBZ-8	DAB-2
260 mm	DCC-8	DAA-9	DCC-6	DCC-7

BENGOLEA



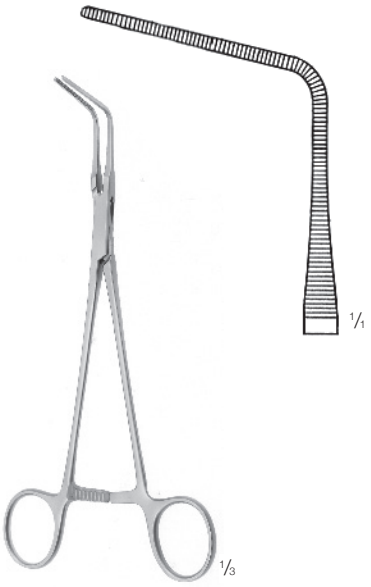
MILLS
165 mm

MFF-8



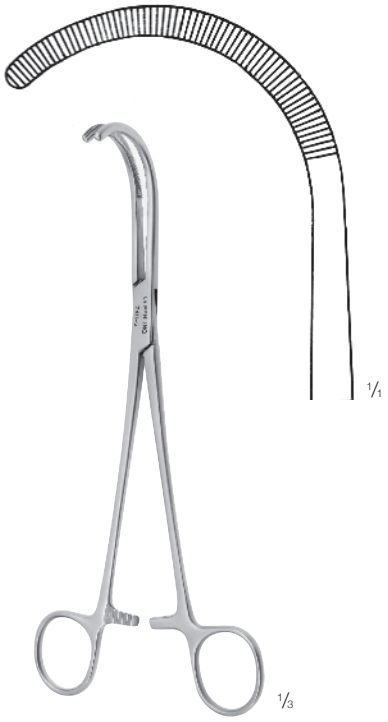
MILLS
190 mm

MFF-7



MILLS
195 mm

MFF-6



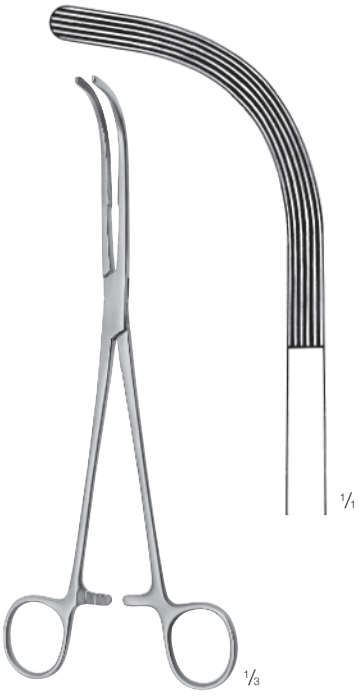
RUMEL
230 mm

ZAH-5



CRAFOORD
240 mm

DAB-8



DE BAKEY-CRAFOORD
245 mm

MAU-7

ALLIS



4 x 5 TEETH
4 x 5 ZÄHNE

155 mm

PAF-1

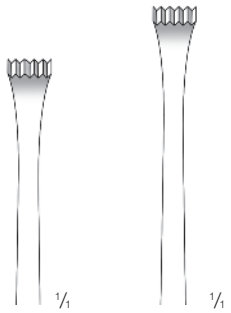


5 x 6 TEETH
5 x 6 ZÄHNE

155 mm

PAF-2

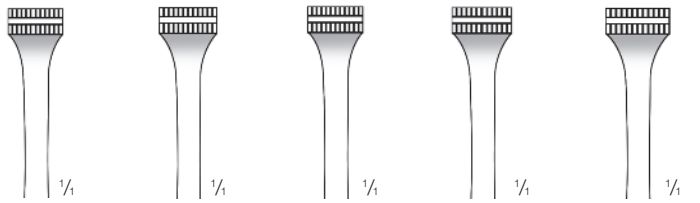




5 x 6 TEETH / ZÄHNE	
190 mm	255 mm
PAF-3	PAF-4



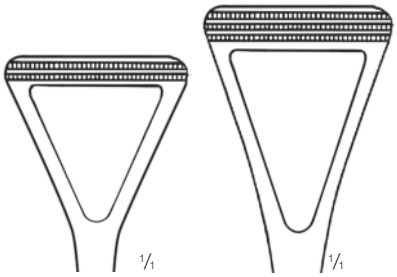
ALLIS
NON-TRAUMATIC
ATRAUMATISCH



155 mm	190 mm	230 mm	255 mm	300 mm
PAF-9	PAG-1	PAG-2	PAG-3	PAG-4



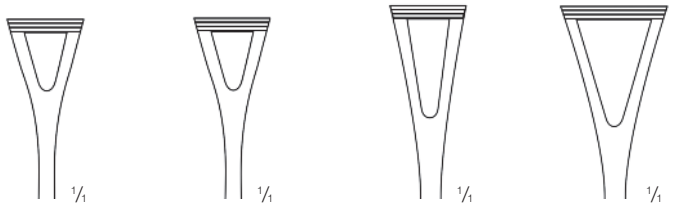
SCHEIBE



205 mm	230 mm
PAJ-4	PAJ-5



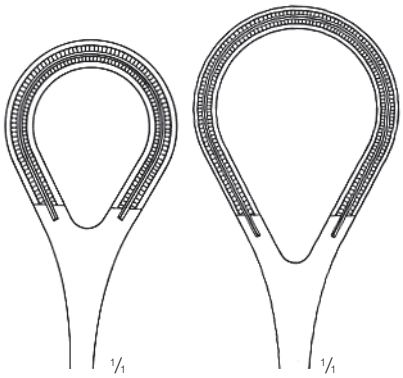
BABCOCK



160 mm	170 mm	215 mm	240 mm
PAG-5	PAG-6	PAG-7	PAG-8



NON-TRAUMATIC
ATRAUMATISCH



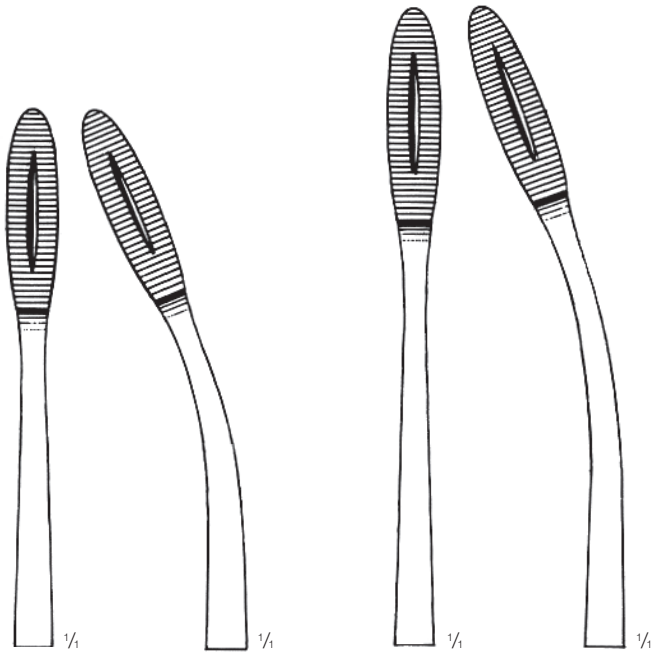
240 mm	270 mm
PAF-7	PAF-8

SPONGE AND DRESSING FORCEPS
KORN- UND TUPFERZANGEN



½

GROSS-MAIER

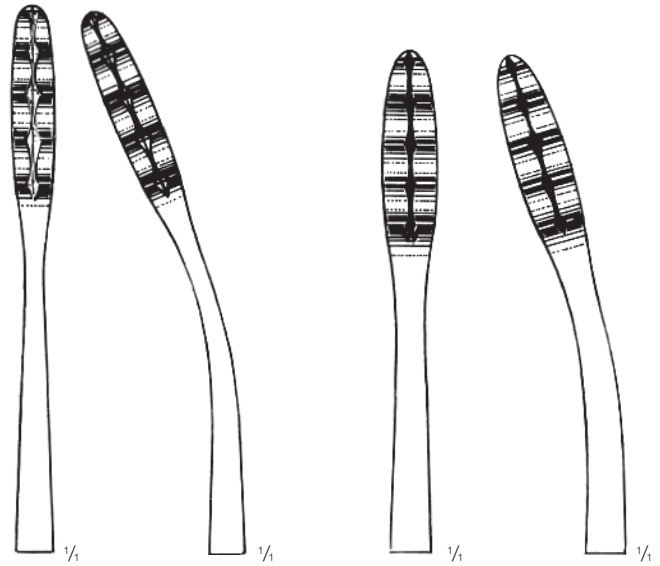


200 mm	200 mm	260 mm	260 mm
DBV-6	DBW-1	DBV-9	DBW-3



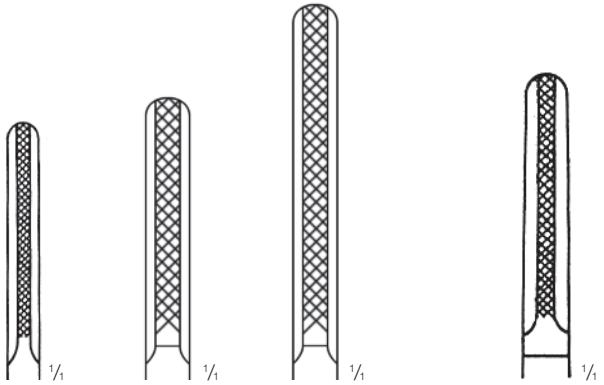
⅓

ULRICH



220 mm	220 mm	265 mm	265 mm
DBY-5	DBY-8	DBY-7	DBZ-1

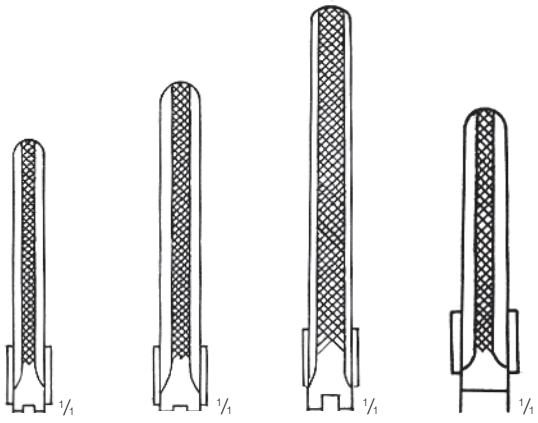




STANDARD			STRONG / STARK	
150 mm	180 mm	200 mm	190 mm	200 mm
ZAM-4	ZAM-3	DBM-2	DCG-9	DCN-6



WITH SAFETY GUARD
MIT SCHUTZBÜGEL



STANDARD			STRONG STARK
155 mm	180 mm	200 mm	190 m
DCB-6	DCB-7	DCB-8	DCH-1



FOR PAPER TOWELS
FÜR PAPIERTÜCHER



135 mm
DBP-5



145 mm
DCM-7

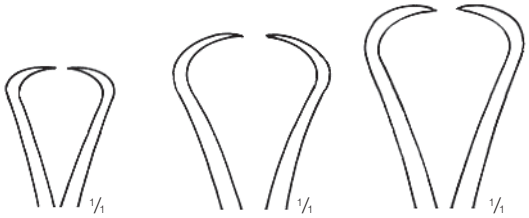


145 mm
DCM-8

for 1/2 inch tube
für 1/2 Zoll-Schlauch



BACKHAUS



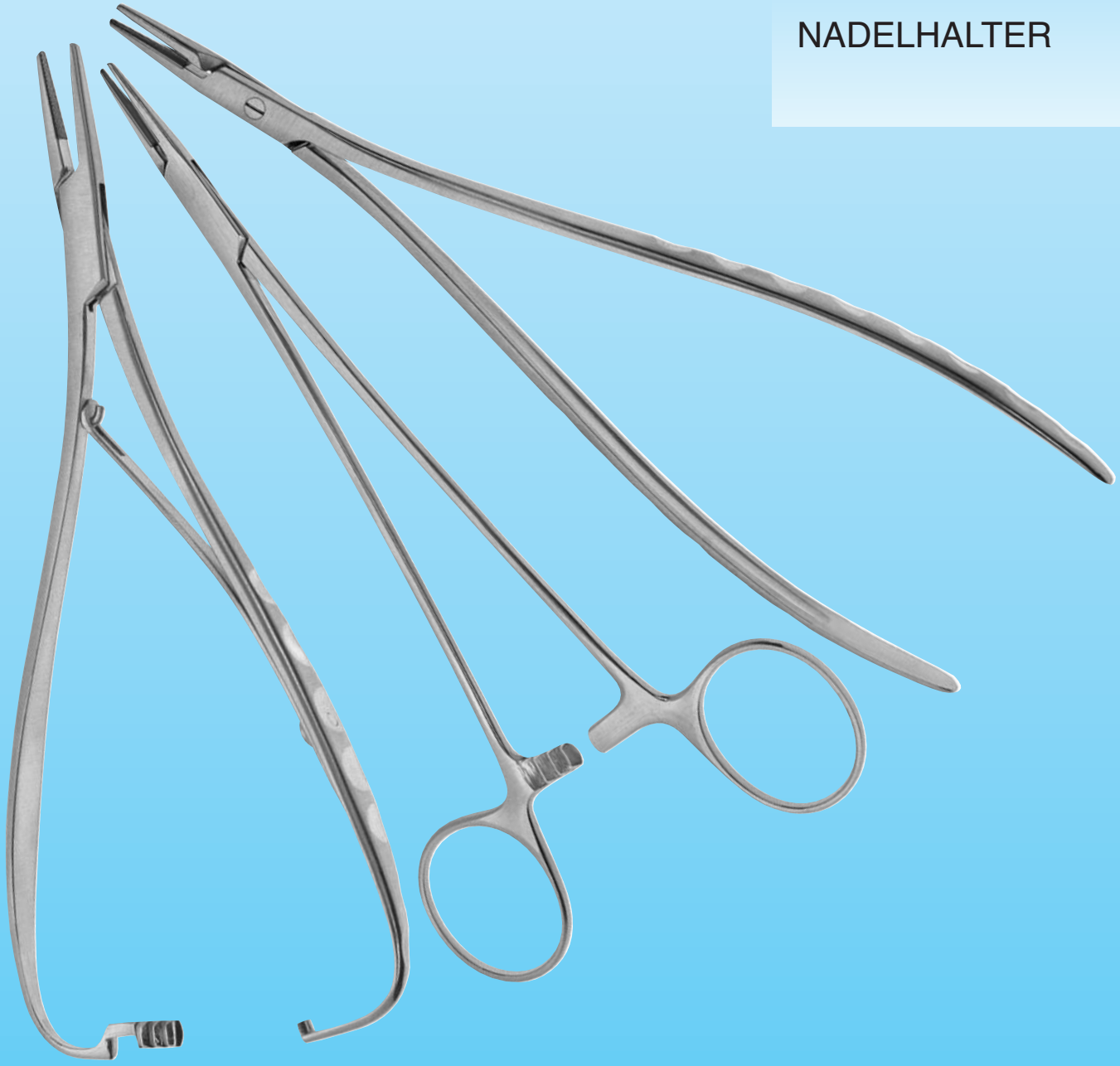
90 mm	110 mm	130 mm
DBM-5	DBM-6	DBM-7

FEHLING...

... THE DIFFERENCE

5

NEEDLE HOLDERS
NADELHALTER



FEHLING INSTRUMENTS

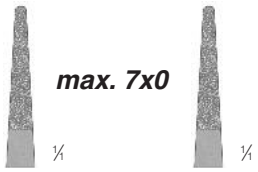
Hanauer Landstraße 7A · 63791 Karlstein/Germany · www.fehling-instruments.de

+49 (0) 61 88 - 95 74.40 +49 (0) 61 88 - 95 74.45 info@fehling-instruments.de



½

TCM
VASCULAR



LENGTH LÄNGE	STEEL STAHL	TITANIUM TITAN
125 mm	KKA-1	KKB-1
145 mm	KKA-2	KKB-2
175 mm	KKA-3	KKB-3
200 mm	KKA-4	KKB-4
225 mm	KKA-5	KKB-5



½



½

PLASMA
MIKRO-RYDER



LENGTH LÄNGE	STRAIGHT GERADE	CURVED GEBOGEN
130 mm	KOR-0	
150 mm	KOR-2	
180 mm	KOR-4	KOR-5
200 mm	KOR-6	
230 mm	KOR-8	KOR-9

PLEASE FIND MICRO NEEDLE HOLDERS IN CATALOGUE No. 1
MIKRONADELHALTER FINDEN SIE IN KATALOG Nr. 1

max. suture size / max. Fadenstärke



PLASMA
EUPHRATE

max. 5x0



LENGTH LÄNGE	STRAIGHT GERADE
150 mm	KKD-1
175 mm	KKD-2
200 mm	KKD-3
230 mm	KKD-4

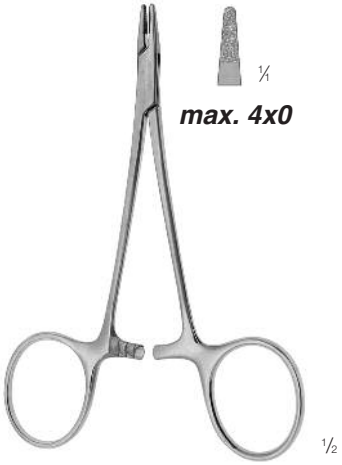


max. 4x0

PLASMA
CRILE

150 mm

KOH-3

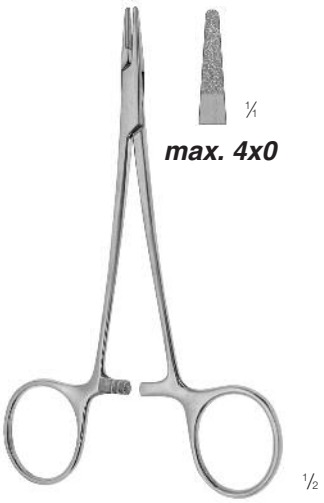


max. 4x0

PLASMA
DERF

120 mm

KOH-6

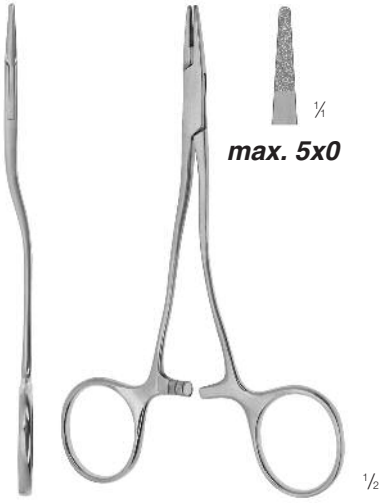


max. 4x0

PLASMA
HALSEY

130 mm

KOH-2



max. 5x0

PLASMA
KILNER

135 mm

KOH-4

max. suture size / max. Fadenstärke


½

DE BAKEY


1/1


1/1

LENGTH LÄNGE	PLASMA ***max. 4x0***	TC ***max. 4x0***
165 mm	KOG-1	KAG-8
180 mm	KOG-2	KAG-9
200 mm	KOG-3	KAH-1
230 mm	KOG-4	KAH-2
260 mm	KOG-5	KAH-3
310 mm	KOG-6	KAH-4

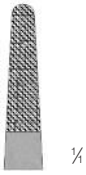

½

MAYO-HEGAR


1/1

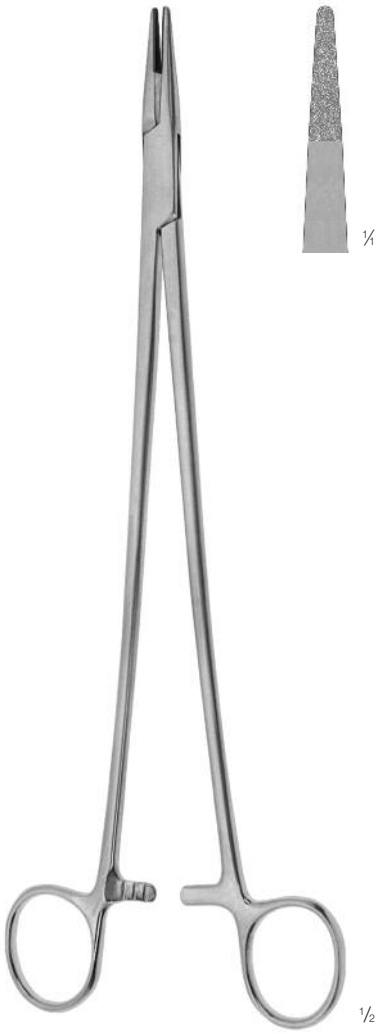

1/1


1/1

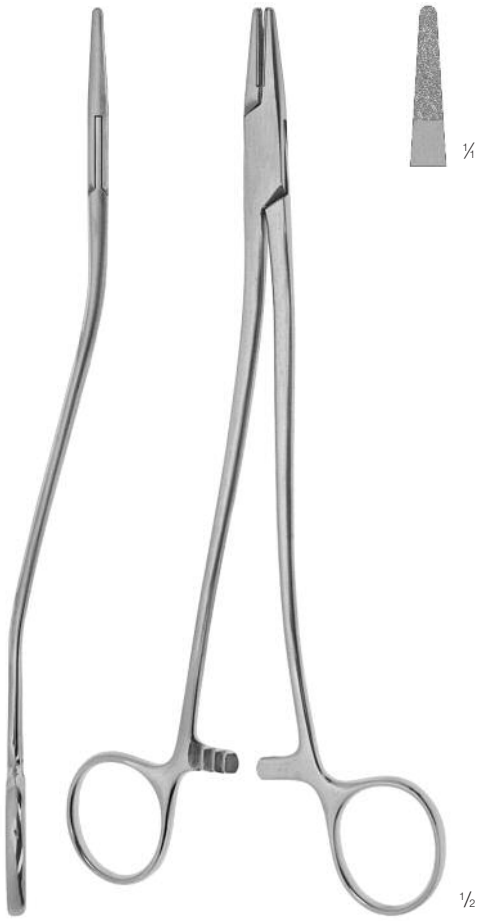

1/1

LENGTH LÄNGE	STANDARD		STRONG PATTERNS STARKE MODELLE	
	PLASMA ***max. 2x0***	TC ***max. 1x0***	PLASMA ***max. 1x0***	TC ***unlim.***
150 mm	KOF-1	KAP-4		
160 mm	KOF-2	KAP-5		
180 mm	KOF-3	KAP-6		KAL-0
200 mm	KOF-4	KAP-7	KOF-8	KAL-6
240 mm	KOF-5	KAP-8	KOF-9	KCP-5
260 mm	KOF-6	KAP-9		
300 mm	KOF-7	KAR-1		KCP-0

max. suture size / max. Fadenstärke



WANGENSTEEN



WERTHEIM

LENGTH LÄNGE	PLASMA ***max. 2x0***	TC ***max. 1x0***
240 mm	KOS-1	KAV-4
275 mm	KOS-2	KAV-5

LENGTH LÄNGE	PLASMA ***max. 2x0***	TC ***max. 1x0***
200 mm	KOS-3	KBG-1
240 mm	KOS-4	KBG-2
300 mm	KOS-5	KBG-0

max. suture size / max. Fadenstärke



TOENNIS
180 mm

PLASMA ***max. 2x0***	TC ***max. 2x0***
KOO-1	KAV-3



LANGENBECK-RYDER
200 mm

PLASMA ***max. 5x0***	TC ***max. 5x0***
KOO-2	KAL-8



LANGENBECK
200 mm

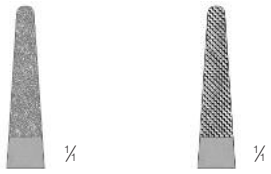
PLASMA ***max. 2x0***	TC ***max. 2x0***
KOO-3	KAM-1

max. suture size / max. Fadenstärke



½

MATHIEU



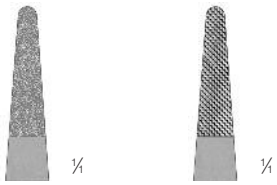
1/1 1/1

LENGTH LÄNGE	PLASMA ***max. 2x0***	TC ***max. 1x0***
140 mm	KOP-1	KAN-3
170 mm	KOP-2	KAN-4
200 mm	–	KAN-5



½

ZWEIFEL



1/1 1/1

LENGTH LÄNGE	PLASMA ***max. 2x0***	TC ***max. 1x0***
200 mm	KOO-4	KAV-6
230 mm	KOO-5	KAV-7

max. suture size / max. Fadenstärke



STRATTE

LENGTH LÄNGE	PLASMA ***max. 2x0***	TC ***max. 2x0***
210 mm	KON-6	KCE-9
230 mm	KON-7	KAU-9
270 mm	KON-8	KAV-1



HEANEY
200 mm

PLASMA ***max. 1x0***	TC ***max. 1x0***
KOS-6	KAF-0

max. suture size / max. Fadenstärke



MASSON
265 mm

PLASMA ***max. 1x0***	TC ***max. 1x0***
KOS-7	KAM-7



FINOCHIETTO
265 mm

PLASMA ***max. 4x0***	TC ***max. 4x0***
KOS-8	KAK-4

PLEASE FIND MICRO NEEDLE HOLDERS IN CATALOGUE No. 1
MIKRONADELHALTER FINDEN SIE IN KATALOG Nr. 1

max. suture size / max. Fadenstärke



1/1

155 mm
KAJ-6

1/1

180 mm
KAJ-5

1/2

TC
WIRE TWISTING FORCEPS
DRAHTSPANNZANGE



1/1

200 mm
KBW-2

1/1

260 mm
KBW-1

1/2

TC FORTISSIMO

FEHLING...

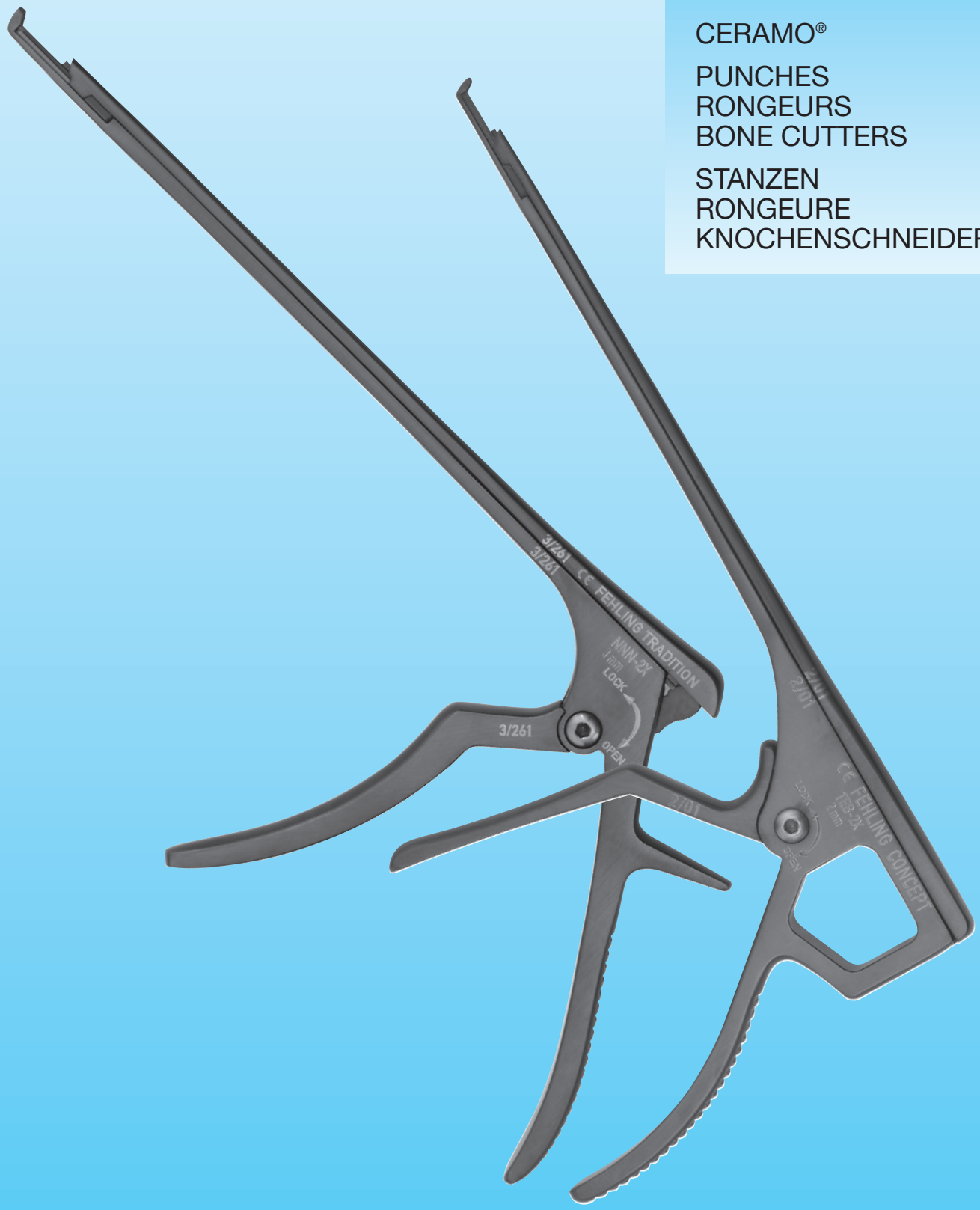
... THE DIFFERENCE

6

CERAMO®

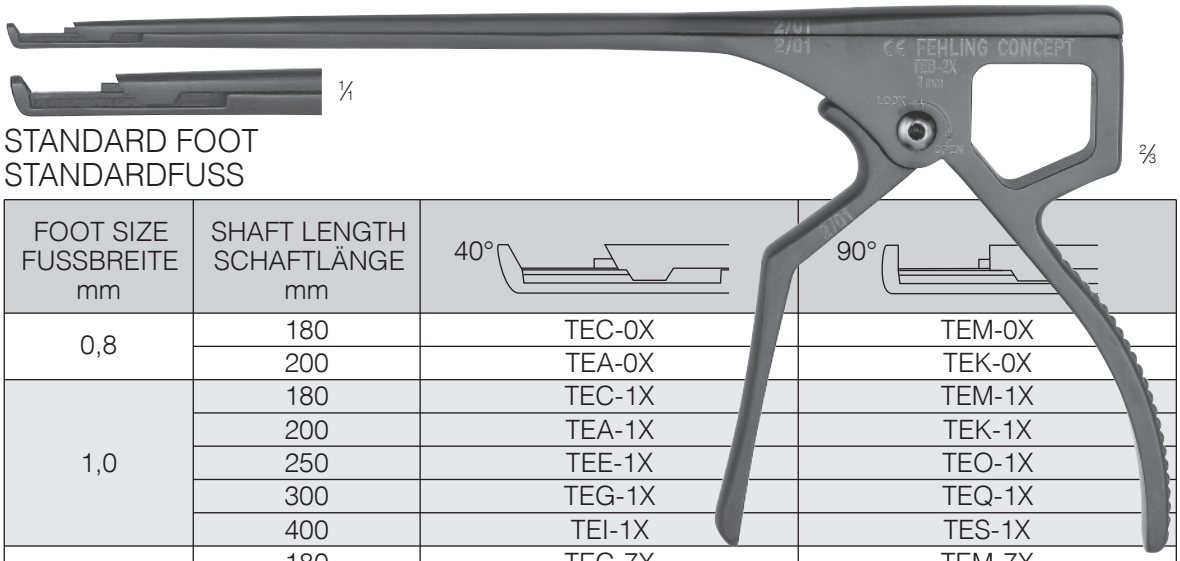
PUNCHES
RONGEURS
BONE CUTTERS

STANZEN
RONGEURE
KNOCHENSCHNEIDER



FEHLING INSTRUMENTS
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CERAMO® ***CONCEPT X*** DETACHABLE / ZERLEGBAR

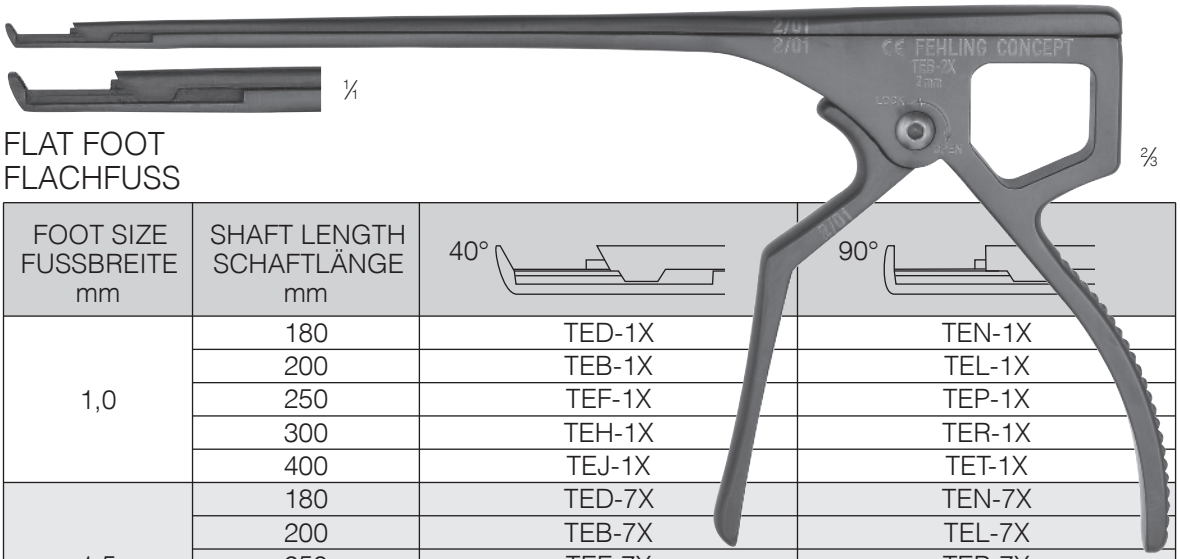


STANDARD FOOT
STANDARDFUSS

FOOT SIZE FUSSBREITE mm	SHAFT LENGTH SCHAFTLÄNGE mm	40°	90°
0,8	180	TEC-0X	TEM-0X
	200	TEA-0X	TEK-0X
1,0	180	TEC-1X	TEM-1X
	200	TEA-1X	TEK-1X
	250	TEE-1X	TEO-1X
	300	TEG-1X	TEQ-1X
	400	TEI-1X	TES-1X
1,5	180	TEC-7X	TEM-7X
	200	TEA-7X	TEK-7X
	250	TEE-7X	TEO-7X
	300	TEG-7X	TEQ-7X
	400	TEI-7X	TES-7X
2,0	180	TEC-2X	TEM-2X
	200	TEA-2X	TEK-2X
	250	TEE-2X	TEO-2X
	300	TEG-2X	TEQ-2X
	400	TEI-2X	TES-2X
2,5	180	TEC-8X	TEM-8X
	200	TEA-8X	TEK-8X
	250	TEE-8X	TEO-8X
	300	TEG-8X	TEQ-8X
	400	TEI-8X	TES-8X
3,0	180	TEC-3X	TEM-3X
	200	TEA-3X	TEK-3X
	250	TEE-3X	TEO-3X
	300	TEG-3X	TEQ-3X
	400	TEI-3X	TES-3X
3,5	180	TEC-9X	TEM-9X
	200	TEA-9X	TEK-9X
	250	TEE-9X	TEO-9X
	300	TEG-9X	TEQ-9X
	400	TEI-9X	TES-9X
4,0	180	TEC-4X	TEM-4X
	200	TEA-4X	TEK-4X
	250	TEE-4X	TEO-4X
	300	TEG-4X	TEQ-4X
	400	TEI-4X	TES-4X
5,0	180	TEC-5X	TEM-5X
	200	TEA-5X	TEK-5X
	250	TEE-5X	TEO-5X
	300	TEG-5X	TEQ-5X
	400	TEI-5X	TES-5X
6,0	180	TEC-6X	TEM-6X
	200	TEA-6X	TEK-6X
	250	TEE-6X	TEO-6X
	300	TEG-6X	TEQ-6X
	400	TEI-6X	TES-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*** DETACHABLE / ZERLEGBAR



1/1

2/3

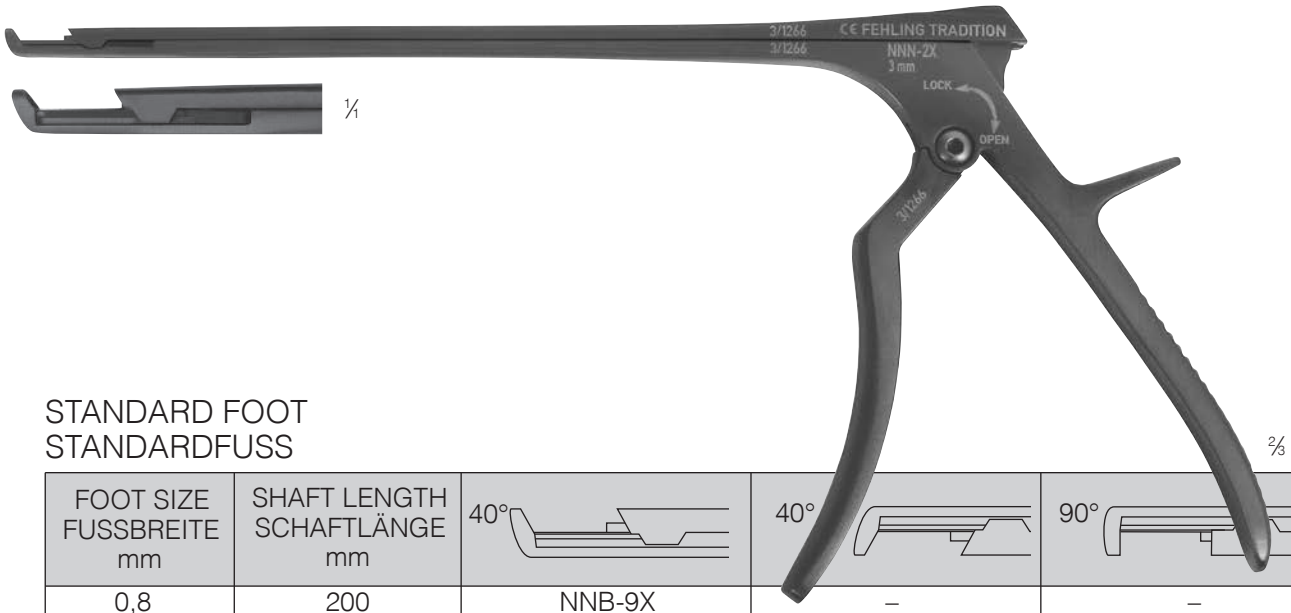
FLAT FOOT
FLACHFUSS

FOOT SIZE FUSSBREITE mm	SHAFT LENGTH SCHAFTLÄNGE mm	40°	90°
1,0	180	TED-1X	TEN-1X
	200	TEB-1X	TEL-1X
	250	TEF-1X	TEP-1X
	300	TEH-1X	TER-1X
	400	TEJ-1X	TET-1X
1,5	180	TED-7X	TEN-7X
	200	TEB-7X	TEL-7X
	250	TEF-7X	TEP-7X
	300	TEH-7X	TER-7X
	400	TEJ-7X	TET-7X
2,0	180	TED-2X	TEN-2X
	200	TEB-2X	TEL-2X
	250	TEF-2X	TEP-2X
	300	TEH-2X	TER-2X
	400	TEJ-2X	TET-2X
2,5	180	TED-8X	TEN-8X
	200	TEB-8X	TEL-8X
	250	TEF-8X	TEP-8X
	300	TEH-8X	TER-8X
	400	TEJ-8X	TET-8X
3,0	180	TED-3X	TEN-3X
	200	TEB-3X	TEL-3X
	250	TEF-3X	TEP-3X
	300	TEH-3X	TER-3X
	400	TEJ-3X	TET-3X
3,5	180	TED-9X	TEN-9X
	200	TEB-0X	TEL-9X
	250	TEF-9X	TEP-9X
	300	TEH-9X	TER-9X
	400	TEJ-9X	TET-9X
4,0	180	TED-4X	TEN-4X
	200	TEB-4X	TEL-4X
	250	TEF-4X	TEP-4X
	300	TEH-4X	TER-4X
	400	TEJ-4X	TET-4X
5,0	180	TED-5X	TEN-5X
	200	TEB-5X	TEL-5X
	250	TEF-5X	TEP-5X
	300	TEH-5X	TER-5X
	400	TEJ-5X	TET-5X
6,0	180	TED-6X	TEN-6X
	200	TEB-6X	TEL-6X
	250	TEF-6X	TEP-6X
	300	TEH-6X	TER-6X
	400	TEJ-6X	TET-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***

DETACHABLE / ZERLEGBAR



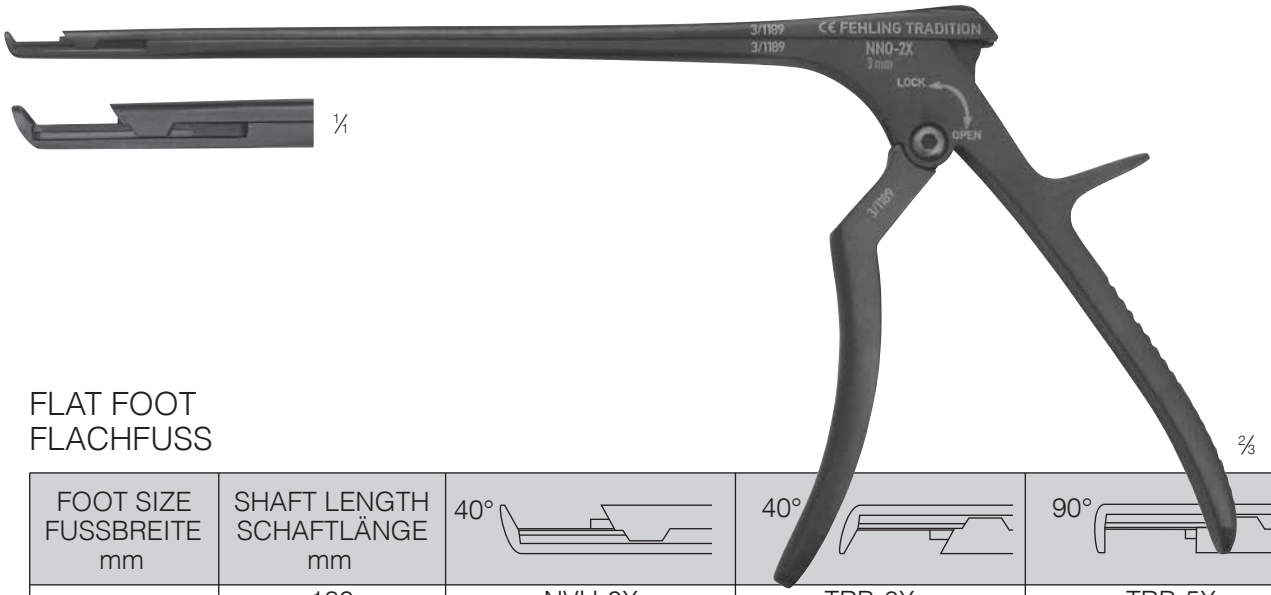
STANDARD FOOT
STANDARDFUSS

FOOT SIZE FUSSBREITE mm	SHAFT LENGTH SCHAFTLÄNGE mm	40°	40°	90°
0,8	200	NNB-9X	–	–
1,0	180	NYC-2X	TRD-1X	–
	200	NNN-0X	–	–
	250	NZY-6X	–	–
	300	NYA-0X	–	–
1,5	180	NYC-1X	–	–
	200	NTI-0X	–	–
2,0	180	NNG-1X	TRD-2X	–
	200	NNY-0X	NNZ-8X	NVB-7X
	250	NNG-7X	–	–
	300	NNG-8X	–	–
	400	NNG-9X	–	–
2,5	200	NNN-1X	–	NNK-2X
	250	NNL-2X	–	–
	300	NNE-2X	NNF-6X	NNE-6X
	400	NNY-2X	NNX-5X	NNV-5X
3,0	180	NNL-7X	TRB-8X	–
	200	NNN-2X	NNN-7X	NNK-3X
	250	NNL-3X	NTI-1X	–
	300	NNE-3X	NNF-7X	NNE-7X
	400	NNY-3X	NNX-6X	NNV-6X
3,5	200	NNN-3X	TNC-3X	TNC-5X
4,0	180	NNL-8X	TRB-9X	–
	200	NNN-4X	NNN-8X	NNK-4X
	250	NNL-4X	–	–
	300	NNE-4X	NNF-8X	NNE-8X
	400	NNY-4X	NNX-7X	NNV-7X
5,0	180	NNL-9X	TRC-OX	–
	200	NNN-5X	NNN-9X	NNK-5X
	250	NNL-5X	–	–
	300	NNE-5X	NNF-9X	NNE-9X
	400	NNY-5X	NNX-8X	NNV-8X
6,0	180	NVC-0X	–	–
	200	NNN-6X	–	–
	250	NNQ-9X	–	–
	300	NNE-0X	NNG-0X	NNH-0X
	400	NNY-6X	NNX-9X	NNV-9X

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

CERAMO® ***TRADITION X***

DETACHABLE / ZERLEGBAR



FLAT FOOT
FLACHFUSS

FOOT SIZE FUSSBREITE mm	SHAFT LENGTH SCHAFTLÄNGE mm	40°	40°	90°
1,0	180	NVU-0X	TRB-6X	TRB-5X
	200	NZY-8X	TRB-0X	–
	250	NZY-9X	–	–
	300	NYB-0X	–	–
	400	–	–	NTI-2X
2,0	180	NVF-7X	TRB-7X	–
	200	NNR-0X	NTH-7X	–
	250	NNL-1X	–	–
	300	NNX-0X	NVE-8X	–
	400	NVF-9X	–	–
2,5	180	NVF-2X	–	–
	200	NNO-1X	NNO-4X	NNJ-9X
	250	NNK-8X	–	–
	300	NNW-2X	NNT-6X	–
	400	NNQ-0X	–	NND-6X
3,0	180	NVF-3X	–	–
	200	NNO-2X	NNO-5X	NNK-0X
	250	NNL-6X	–	–
	300	NNW-3X	NNT-7X	–
	400	NNQ-1X	NNQ-6X	NND-7X
3,5	180	NYC-5X	–	–
	200	NNO-8X	–	–
4,0	180	NVF-4X	–	–
	200	NNO-3X	NNO-6X	NNK-1X
	250	NNK-9X	–	–
	300	NNW-4X	NNT-8X	–
	400	NNQ-2X	–	NND-8X
5,0	180	NVF-8X	–	–
	200	NNO-7X	NNO-9X	–
	250	NNL-0X	–	–
	300	NNW-5X	NNT-9X	–
	400	NNQ-3X	–	NND-9X
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 SHAFT
DREHBARER SCHAFT

HANDLES / GRIFFE



⅔

CONCEPT

TGZ-0



⅔

TRADITION

TGZ-6A

*WARNING: Please use CONCEPT TURNUS punches for cervical and transsphenoidal surgery only.
*ACHTUNG: CONCEPT TURNUS Stanzen sind ausschließlich für die Chirurgie der Halswirbelsäule und der Hypophyse ausgelegt.

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



⅔



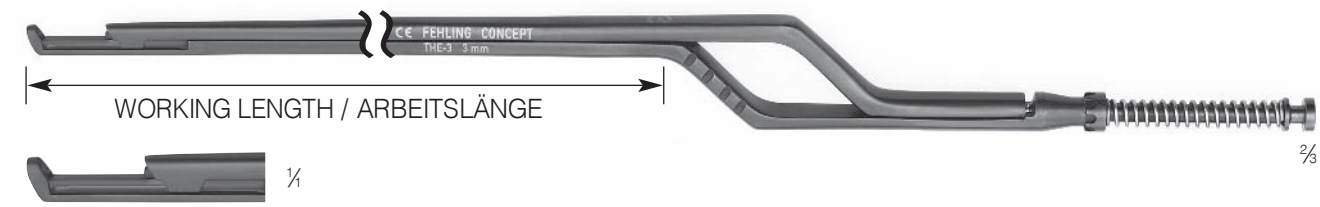
1/1

FOOT SIZE FUSSBREITE mm	SHAFT LENGTH SCHAFTLÄNGE mm	STANDARD FOOT STANDARDFUSS 40°	STANDARD FOOT STANDARDFUSS 90°	FLAT FOOT FLACHFUSS 40°	FLAT FOOT FLACHFUSS 90°
0,8	180	TGC-0	TGM-0	–	–
	200	TGA-0	TGK-0	–	–
1,0	180	TGC-1	TGM-1	TGD-1	TGN-1
	200	TGA-1	TGK-1	TGB-1	TGL-1
	250	TGE-1	TGO-1	TGF-1	TGP-1
	300	TGG-1	TGQ-1	TGH-1	TGR-1
	400	TGI-1	TGS-1	TGJ-1	TGT-1
1,5	180	TGC-7	TGM-7	TGD-7	TGN-7
	200	TGA-7	TGK-7	TGB-7	TGL-7
	250	TGE-7	TGO-7	TGF-7	TGP-7
	300	TGG-7	TGQ-7	TGH-7	TGR-7
	400	TGI-7	TGS-7	TGJ-7	TGT-7
2,0	180	TGC-2	TGM-2	TGD-2	TGN-2
	200	TGA-2	TGK-2	TGB-2	TGL-2
	250	TGE-2	TGO-2	TGF-2	TGP-2
	300	TGG-2	TGQ-2	TGH-2	TGR-2
	400	TGI-2	TGS-2	TGJ-2	TGT-2
2,5	180	TGC-8	TGM-8	TGD-8	TGN-8
	200	TGA-8	TGK-8	TGB-8	TGL-8
	250	TGE-8	TGO-8	TGF-8	TGP-8
	300	TGG-8	TGQ-8	TGH-8	TGR-8
	400	TGI-8	TGS-8	TGJ-8	TGT-8
3,0	180	TGC-3	TGM-3	TGD-3	TGN-3
	200	TGA-3	TGK-3	TGB-3	TGL-3
	250	TGE-3	TGO-3	TGF-3	TGP-3
	300	TGG-3	TGQ-3	TGH-3	TGR-3
	400	TGI-3	TGS-3	TGJ-3	TGT-3
3,5	180	TGC-9	TGM-9	–	–
	200	TGA-9	TGK-9	–	–
	250	TGE-9	TGO-9	–	–
	300	TGG-9	TGQ-9	–	–
	400	TGI-9	TGS-9	–	–
4,0	180	TGC-4	TGM-4	TGD-4	TGN-4
	200	TGA-4	TGK-4	TGB-4	TGL-4
	250	TGE-4	TGO-4	TGF-4	TGP-4
	300	TGG-4	TGQ-4	TGH-4	TGR-4
	400	TGI-4	TGS-4	TGJ-4	TGT-4
5,0	180	TGC-5	TGM-5	TGD-5	TGN-5
	200	TGA-5	TGK-5	TGB-5	TGL-5
	250	TGE-5	TGO-5	TGF-5	TGP-5
	300	TGG-5	TGQ-5	TGH-5	TGR-5
	400	TGI-5	TGS-5	TGJ-5	TGT-5
6,0	180	TGC-6	TGM-6	TGD-6	TGN-6
	200	TGA-6	TGK-6	TGB-6	TGL-6
	250	TGE-6	TGO-6	TGF-6	TGP-6
	300	TGG-6	TGQ-6	TGH-6	TGR-6
	400	TGI-6	TGS-6	TGJ-6	TGT-6

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

*See page 6/6 / siehe Seite 6/6

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



⅔

1/1

		STANDARD FOOT STANDARDFUSS		FLAT FOOT FLACHFUSS	
FOOT SIZE FUSSBREITE mm	WORKING LENGTH ARBEITSLÄNGE mm	40°	90°	40°	90°
1,0	110	THA-1	THK-1	THB-1	THL-1
	150	THC-1	THM-1	THD-1	THN-1
	180	THE-1	THO-1	THF-1	THP-1
1,5	110	THA-7	THK-7	THB-7	THL-7
	150	THC-7	THM-7	THD-7	THN-7
	180	THE-7	THO-7	THF-7	THP-7
2,0	110	THA-2	THK-2	THB-2	THL-2
	150	THC-2	THM-2	THD-2	THN-2
	180	THE-2	THO-2	THF-2	THP-2
2,5	110	THA-8	THK-8	THB-8	THL-8
	150	THC-8	THM-8	THD-8	THN-8
	180	THE-8	THO-8	THF-8	THP-8
3,0	110	THA-3	THK-3	THB-3	THL-3
	150	THC-3	THM-3	THD-3	THN-3
	180	THE-3	THO-3	THF-3	THP-3
4,0	110	THA-4	THK-4	THB-4	THL-4
	150	THC-4	THM-4	THD-4	THN-4
	180	THE-4	THO-4	THF-4	THP-4
5,0	110	THA-5	THK-5	THB-5	THL-5
	150	THC-5	THM-5	THD-5	THN-5
	180	THE-5	THO-5	THF-5	THP-5
6,0	110	THA-6	THK-6	THB-6	THL-6
	150	THC-6	THM-6	THD-6	THN-6
	180	THE-6	THO-6	THF-6	THP-6

*see page 6/6 / siehe Seite 6/6



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1/1

SHAFT Ø SCHAFT Ø mm	SHAFT LENGTH SCHAFTLÄNGE mm	40°
3,0	360	TGW-1
3,5	360	TGW-0

FOR ENDOSCOPY (NO EJECTOR)
FÜR ENDOSKOPIE (KEIN AUSWERFER)

*see page 6/6 / siehe Seite 6/6

CERAMO® ***GENTLE***

DETACHABLE / ZERLEGBAR

BIG HANDLE AND STROKE
GROSSER GRIFF UND HUB



1/1

GENTLE



1/1

GENTLE-“SINGER“

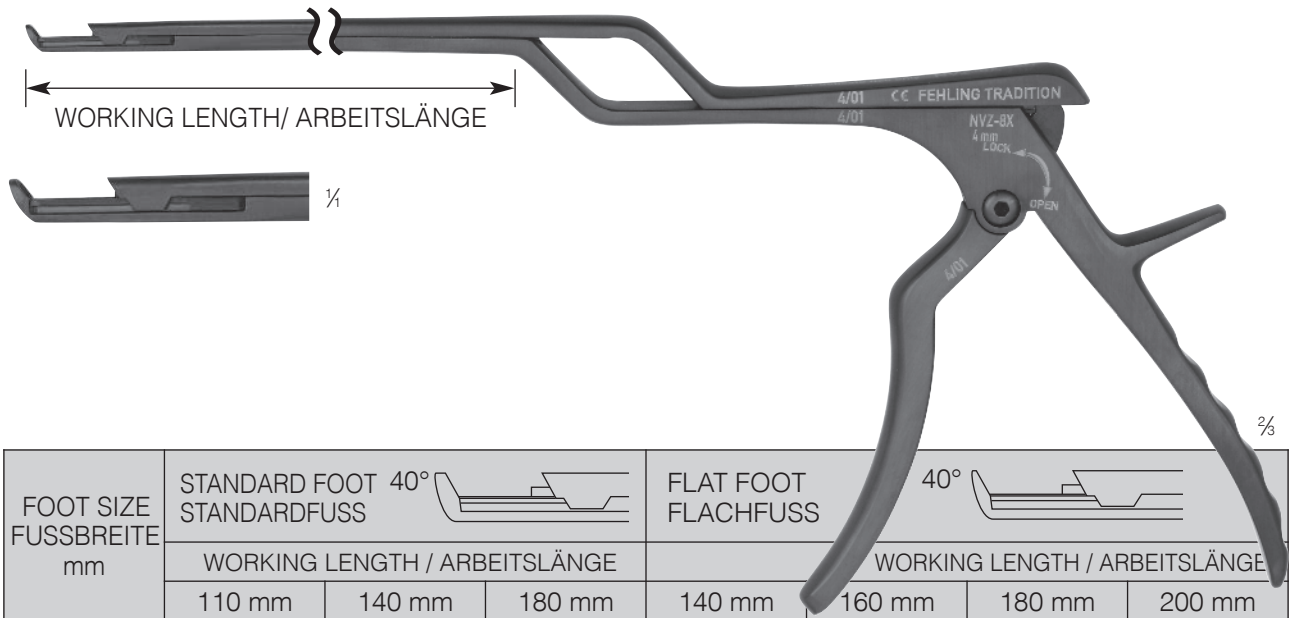
SILICONE HANDLE
SILIKONGRIFF

soft, non-slip surface
weiche, rutschsichere Oberfläche

2/3

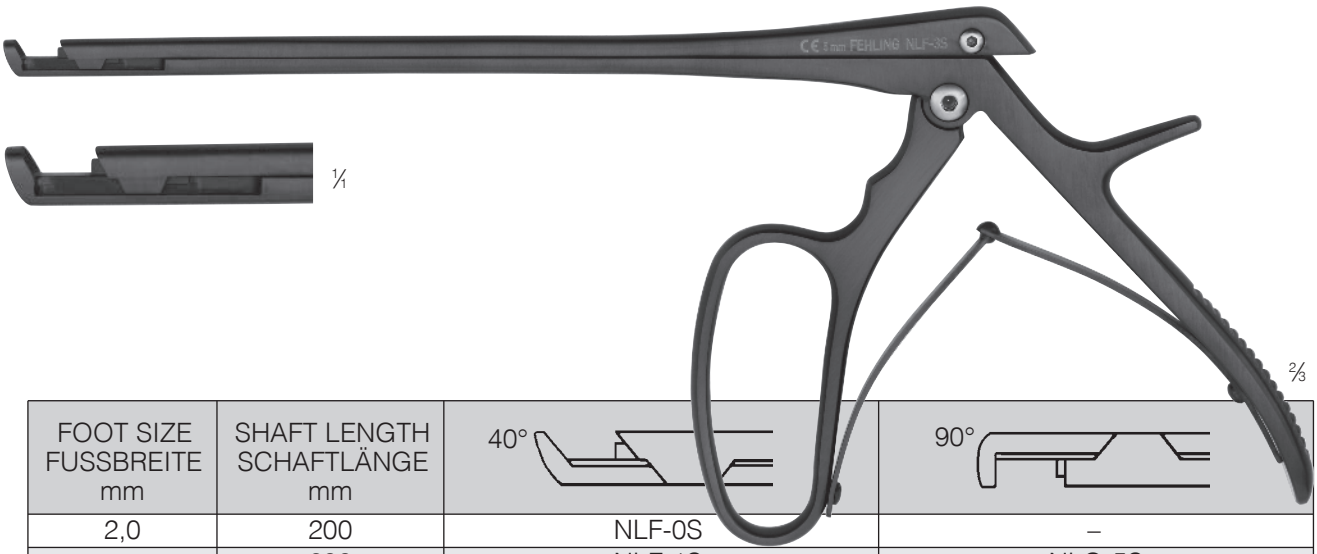
		STANDARD FOOT STANDARDFUSS		FLAT FOOT FLACHFUSS
FOOT SIZE FUSSBREITE mm	SHAFT LENGTH SCHAFTLÄNGE mm	40° GENTLE	40° GENTLE-“SINGER“	40° GENTLE
1,0	200	TIA-1	–	TIB-1
	250	TIC-1	–	TID-1
2,0	200	TIA-2	–	TIB-2
	250	TIC-2	–	TID-2
	300	TIE-2	–	TIF-2
3,0	200	TIA-3	TIG-3	TIB-3
	250	TIC-3	TIH-3	TID-3
	300	TIE-3	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	TIF-5
6,0	200	TIA-6	TIG-6	TIB-6
	250	TIC-6	TIH-6	TID-6
	300	TIE-6	TIJ-6	TIF-6
7,0	200	TIA-8	–	–
8,0	200	TIA-7	–	–

CERAMO® ***TRADITION X*** DETACHABLE / ZERLEGBAR



FOOT SIZE FUSSBREITE mm	STANDARD FOOT 40° STANDARDFUSS			FLAT FOOT 40° FLACHFUSS			
	WORKING LENGTH / ARBEITSLÄNGE			WORKING LENGTH / ARBEITSLÄNGE			
	110 mm	140 mm	180 mm	140 mm	160 mm	180 mm	200 mm
1,0	NUZ-9X	NVZ-1X	NVZ-0X	NVZ-6X	–	NVZ-3X	NVD-0X
2,0	NNU-0X	NVZ-2X	NVA-5X	NVZ-7X	NUZ-5X	NVZ-4X	NVD-1X
3,0	NNU-1X	NNU-4X	NNU-7X	NNX-4X	NUZ-6X	NVA-8X	NVD-6X
4,0	NNU-2X	NNU-5X	NNU-8X	NVZ-8X	NUZ-7X	NVZ-5X	–
5,0	NNU-3X	NNU-6X	NNU-9X	NVZ-9X	–	NVA-9X	–

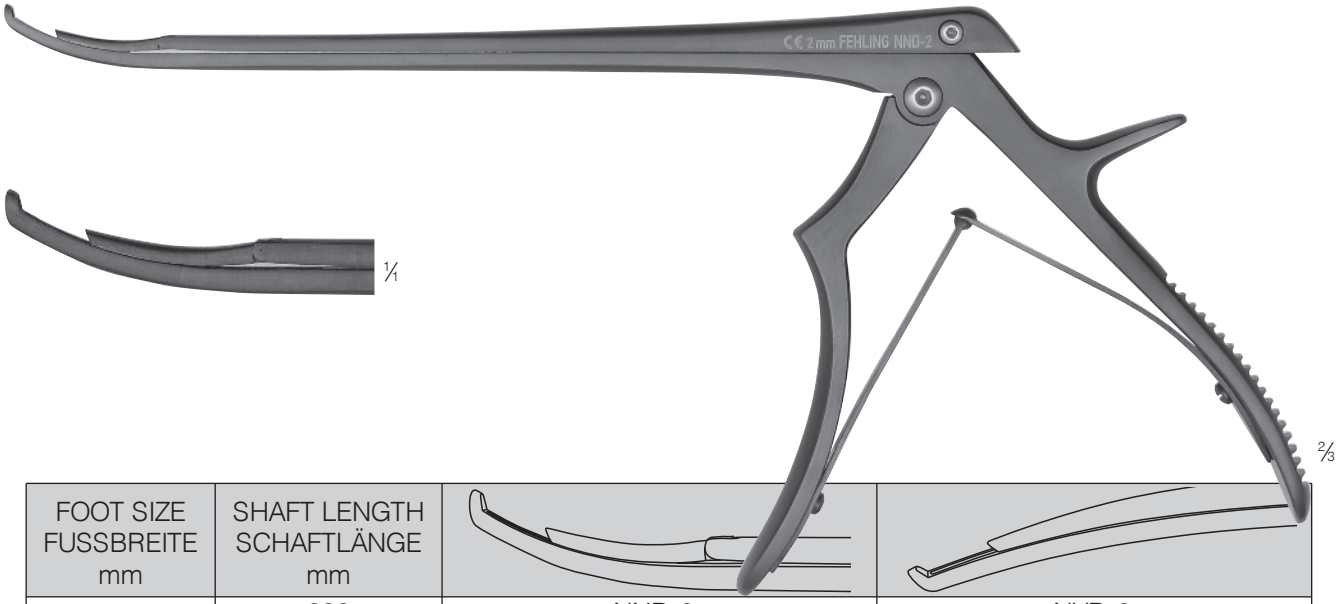
CERAMO® ***FIST***



FOOT SIZE FUSSBREITE mm	SHAFT LENGTH SCHAFTLÄNGE mm	40°	90°
2,0	200	NLF-0S	–
3,0	200	NLF-1S	NLG-5S
	300	NLF-5S	NLH-1S
	400	NLG-1S	NLH-5S
4,0	200	NLF-2S	NLG-6S
	300	NLF-6S	NLH-2S
	400	NLG-2S	NLH-6S
5,0	200	NLF-3S	NLG-7S
	300	NLF-7S	NLH-3S
	400	NLG-3S	NLH-7S
6,0	200	NLF-4S	NLG-8S
	300	NLF-8S	NLH-4S
	400	NLG-4S	NLH-8S
7,0	300	NLF-9S	–

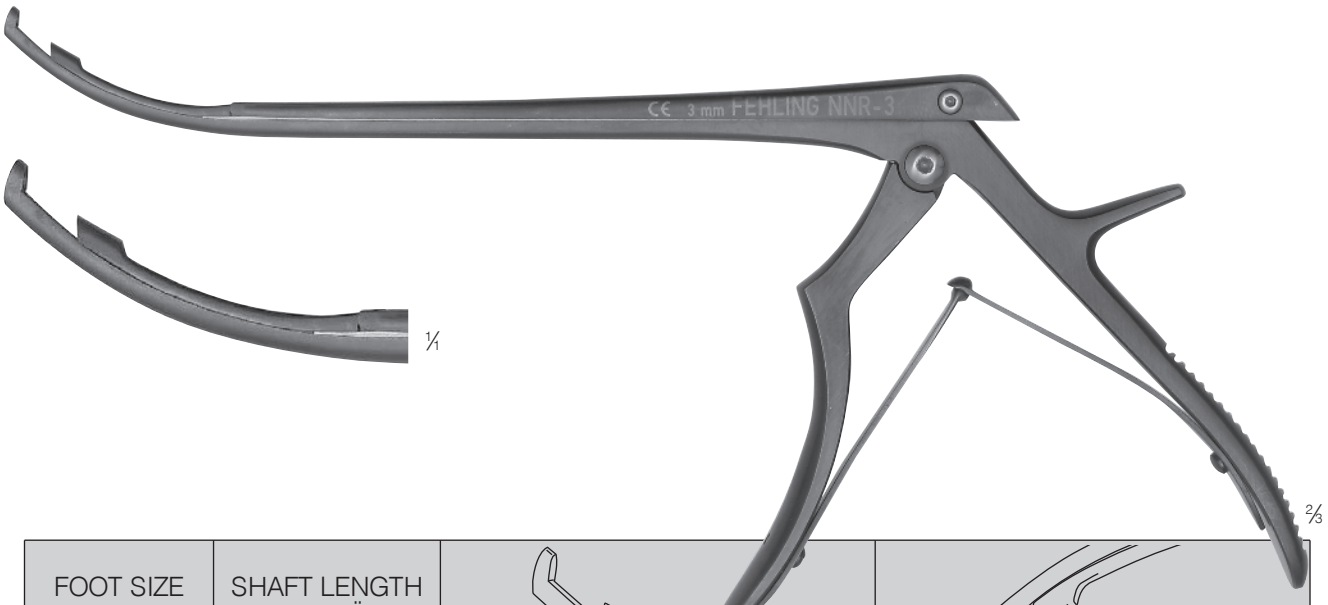
All punches with length 300 and 400 mm are calibrated / Alle Stanzen in den Längen 300 und 400 mm sind graduiert

CERAMO® ***SUBLAMINAR***



FOOT SIZE FUSSBREITE mm	SHAFT LENGTH SCHAFTLÄNGE mm		
2,0	200	NND-2	NVD-2
	250	NVC-2	NVE-2
3,0	200	NND-3	NVD-3
	250	NVC-3	NVE-3
4,0	200	NND-4	NVD-4
	250	NVC-4	NVE-4
5,0	200	NND-5	NVD-5
	250	NVC-5	NVE-5

CERAMO® ***KERRISON***



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	NNR-7
	250	NNR-1	NNR-2
5,0	200	NNR-5	NNR-8

CERAMO® ***TRADITION DIAMOND X*** FOR LIGAMENTS
FÜR LIGAMENTE

3/1

FLAT FOOT
FLACHFUSS

All punches in catalogue 6 are available as DIAMOND X version with diamond coated jaw.

Alle Stanzen in Katalog 6 sind als DIAMOND X Ausfertigung mit diamantbeschichtetem Maul lieferbar.



2 x 200 mm
NNR-0D

2/3



1/1

ACCESSORIES FOR PUNCHES
ZUBEHÖR FÜR STANZEN



1/4

STERILIZATION AND STORAGE TRAY FOR 10 PUNCHES
STERILISIERUNGS- UND AUFBEWAHRUNGSCONTAINER FÜR 10 STANZEN

515 x 250 x 150 mm

UCA-3

ACCESSORIES FOR DETACHABLE PUNCHES
ZUBEHÖR FÜR ZERLEGBARE STANZEN

FITTING DEVICES
MONTAGEVORRICHTUNGEN



⅓

CONCEPT X

TXW-7X



½

SCREWDRIVER
SCHRAUBENDREHER

TXX-0X



⅓

TRADITION X

TXW-6X



1/1

SCREWDRIVER
STERILISABLE
SCHRAUBENDREHER
STERILISIERBAR

TXW-9X



⅓

GENTLE

TXW-8X

CERAMO®

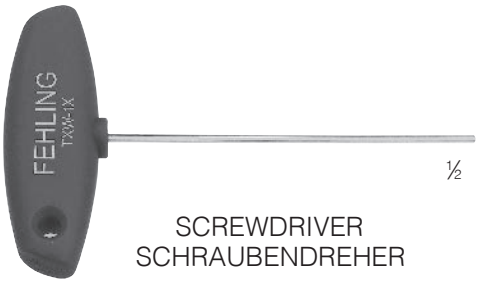


GRUMME

GRUMME X
DETACHABLE
ZERLEGBAR

JAW WIDTH MAULBREITE mm	LENGTH LÄNGE mm			30°		30°	
		GRUMME	GRUMME X	GRUMME	GRUMME X	GRUMME	GRUMME X
2,0	120	NLO-2	NLO-2X	NLO-6	NLO-6X	NLN-6	NLN-6X
	160	NLT-2	NLT-2X	NLT-6	NLT-6X	NLV-2	NLV-2X
	180	NLU-2	NLU-2X	NLU-6	NLU-6X	NLV-6	NLV-6X
	200	NLX-2	NLX-2X	NLX-6	NLX-6X	–	–
	250	NLW-2	NLW-2X	–	NMJ-8X	–	–
	300	–	–	NLW-7	–	–	–
3,0	120	NLO-3	NLO-3X	NLO-7	NLO-7X	NLN-7	NLN-7X
	160	NLT-3	NLT-3X	NLT-7	NLT-7X	NLV-3	NLV-3X
	180	NLU-3	NLU-3X	NLU-7	NLU-7X	NLV-7	NLV-7X
	200	NLX-3	NLX-3X	NLX-7	–	–	–
	250	NLW-3	NLW-3X	–	NMJ-9X	–	–
4,0	120	NLO-4	NLO-4X	NLO-8	NLO-8X	NLN-8	NLN-8X
	160	NLT-4	NLT-4X	NLT-8	NLT-8X	NLV-4	NLV-4X
	180	NLU-4	NLU-4X	NLU-8	NLU-8X	NLV-8	NLV-8X
	200	NLX-4	NLX-4X	NLX-8	NLX-8X	–	–
	250	NLW-4	NLW-4X	–	NMK-0X	–	–
5,0	120	NLO-5	NLO-5X	NLO-9	NLO-9X	NLN-9	NLN-9X
	160	NLT-5	NLT-5X	NLZ-9	NLZ-9X	NLV-5	NLV-5X
	180	NLU-5	NLU-5X	NLU-9	NLU-9X	NLV-9	NLV-9X
	200	NLX-5	NLX-5X	NLX-9	NLX-9X	–	–
	250	NLW-5	NLW-5X	NLW-0	NLW-0X	–	–
6,0	120	NLO-0	–	–	–	–	–
	250	NLW-6	NLW-6X	–	–	–	–

ACCESSORIES FOR GRUMME X RONGEURS
ZUBEHÖR FÜR GRUMME X RONGEURE



SCREWDRIVER
SCHRAUBENDREHER

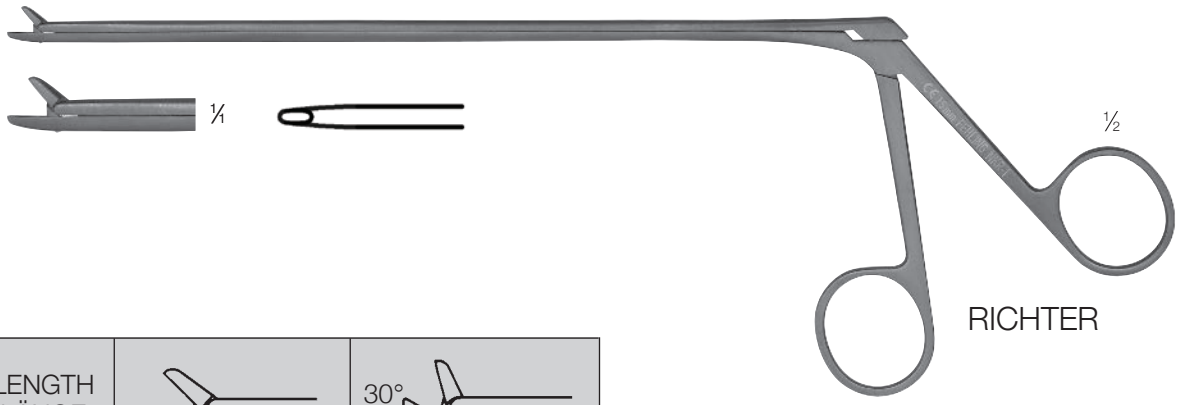
TXW-1X



SCREWDRIVER STERILISABLE
SCHRAUBENDREHER STERILISIERBAR

TXW-2X

CERAMO®

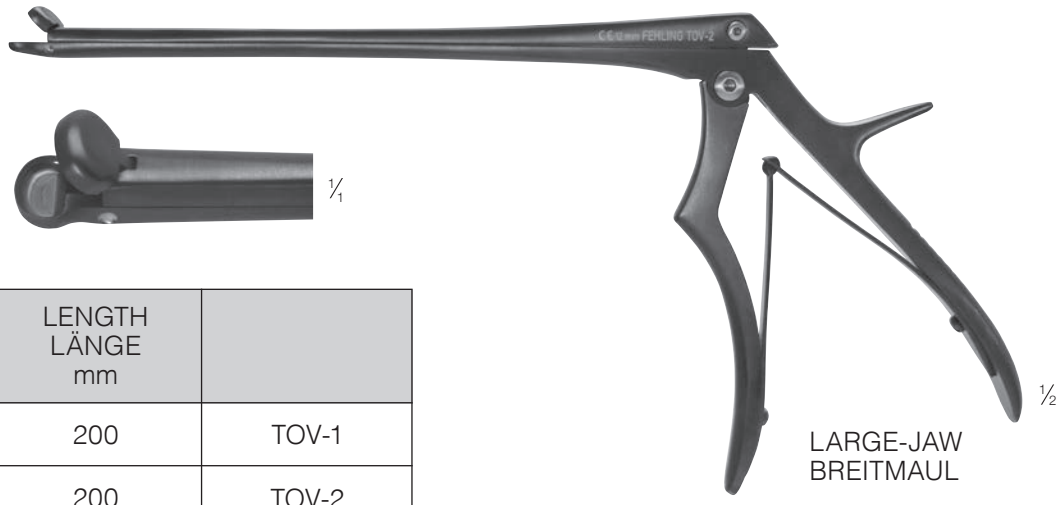


RICHTER

JAW WIDTH MAULBREITE mm	LENGTH LÄNGE mm			30°	
		RICHTER	RICHTER X	RICHTER	RICHTER X
1,0	180	NKR-2	NKR-2X	NKR-4	NKR-4X
1,5	180	NKR-1	NKR-1X	NKR-3	NKR-3X



RICHTER X
DETACHABLE
ZERLEGBAR



LARGE-JAW
BREITMAUL

JAW WIDTH MAULBREITE mm	LENGTH LÄNGE mm	
10	200	TOV-1
12	200	TOV-2

CERAMO®



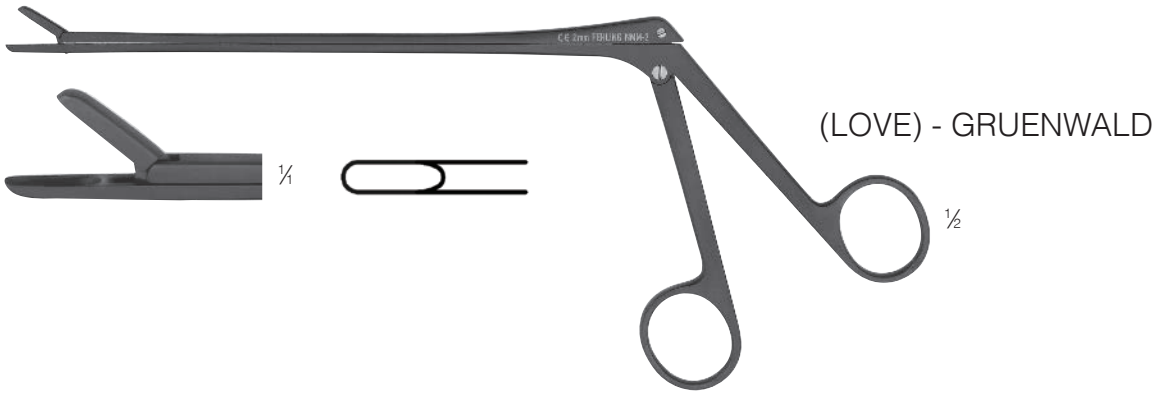
FERRIS-SMITH

FERRIS-SMITH X
DETACHABLE
ZERLEGBAR

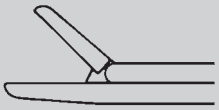
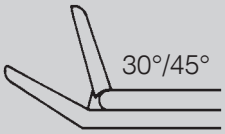
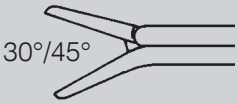
JAW WIDTH MAULBREITE mm	LENGTH LÄNGE mm			30°	
		FERRIS-SMITH	FERRIS-SMITH X	FERRIS-SMITH	FERRIS-SMITH X
2,0	180	TOC-0	TOC-0X	TOF-0	TOF-0X
	200	TOG-0	TOG-0X	TOH-0	TOH-0X
	250	TOI-0	TOI-0X	TOJ-0	TOJ-0X
	300	TOK-0	TOK-0X	TON-0	TON-0X
2,5	200	TOG-7	TOG-7X	–	–
3,0	180	TOC-1	TOC-1X	TOF-1	TOF-1X
	200	TOG-1	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
	400	TOO-4	TOO-4X	TOO-9	TOO-9X
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
	400	TOO-5	TOO-5X	–	–
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 calibrated / Alle Rongeure in den Längen 300 und 400 mm sind graduiert

CERAMO®



(LOVE) - GRUENWALD

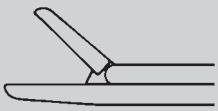
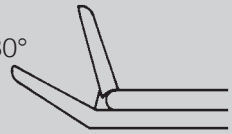
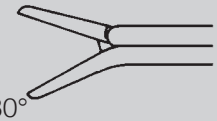
JAW WIDTH MAULBREITE mm	LENGTH LÄNGE mm			
1,0	180	NMM-1	NMN-1	NMO-1
	200	NLP-1	NMN-0	–
2,0	160	NMJ-2	NMK-2	NML-2
	180	NMM-2	NMN-2	NMO-2
	250	NMP-2	NMQ-2	NMR-2
	300	NMW-9	NMW-7 (45°)	NMW-8 (45°)
	400	NMK-6	NMT-6 (45°)	NMT-8 (45°)
3,0	160	NMJ-3	NMK-3	NML-3
	180	NMM-3	NMN-3	NMO-3
	250	NMP-3	NMQ-3	NMR-3
	300	NMW-3	NMW-1 (45°)	NMW-2 (45°)
	400	NMK-7	NMT-7 (45°)	NMT-9 (45°)
4,0	160	NMJ-4	NMK-4	NML-4
	180	NMM-4	NMN-4	NMO-4
	250	NMP-4	NMQ-4	NMR-4
	300	NMU-5	NMU-1 (45°)	NMU-2 (45°)
	400	NMK-8	NMU-3 (45°)	NMU-4 (45°)
5,0	160	NMJ-5	NMK-5	NML-5
	180	NMM-5	NMN-5	NMO-5
	250	NMP-5	NMQ-5	NMR-5
	300	NMW-6	NMW-4 (45°)	NMW-5 (45°)
	400	NMK-9	NMU-8 (45°)	NMU-9 (45°)

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

CERAMO®

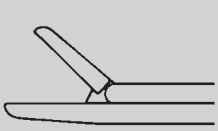
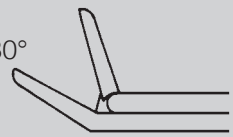
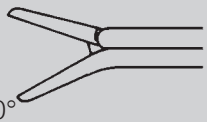


WEIL-BLAKESLEY

JAW WIDTH MAULBREITE mm	LENGTH LÄNGE mm		30° 	30° 
2,5	130	NMA-2	NMB-2	NMC-2
	160	NMD-2	NME-2	NMF-2
3,0	130	NMA-3	NMB-3	NMC-3
	160	NMD-3	NME-3	NMF-3
4,0	130	NMA-4	NMB-4	NMC-4
	160	NMD-4	NME-4	NMF-4
5,0	130	NMA-5	NMB-5	NMC-5
	160	NMD-5	NME-5	NMF-5
6,0	130	NMA-6	NMB-6	NMC-6
	160	NMD-6	NME-6	NMF-6



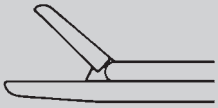
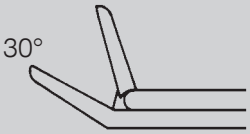
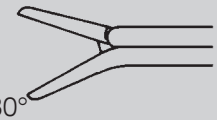
CASPAR

JAW WIDTH MAULBREITE mm	LENGTH LÄNGE mm		30° 	30° 
2,0	160	NMG-1	NMH-1	NMI-1
	180	NMG-0	NMH-0	NMI-0
2,5	160	NMG-2	NMH-2	NMI-2
	180	NMG-6	NMH-6	NMI-6
3,0	160	NMG-3	NMH-3	NMI-3
	180	NMG-7	NMH-7	NMI-7
4,0	160	NMG-4	NMH-4	NMI-4
	180	NMG-8	NMH-8	NMI-8
5,0	160	NMG-5	NMH-5	NMI-5
	180	NMG-9	NMH-9	NMI-9

CERAMO®

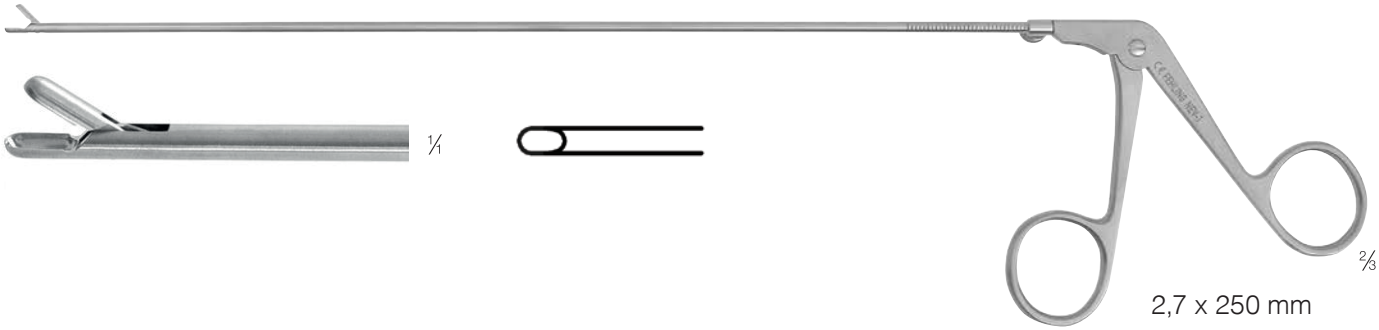


FIST

JAW WIDTH MAULBREITE mm	LENGTH LÄNGE mm		 30°	 30°
3,0	200	NLA-1	NLB-5	NLD-1
	300	NLA-5	NLC-1	NLD-5
	400	NLB-1	NLC-5	NLE-1
4,0	200	NLA-2	NLB-6	NLD-2
	300	NLA-6	NLC-2	NLD-6
	400	NLB-2	NLC-6	NLE-2
5,0	200	NLA-3	NLB-7	NLD-3
	300	NLA-7	NLC-3	NLD-7
	400	NLB-3	NLC-7	NLE-3
6,0	200	NLA-4	NLB-8	NLD-4
	300	NLA-8	NLC-4	NLD-8
	400	NLB-4	NLC-8	NLE-4

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



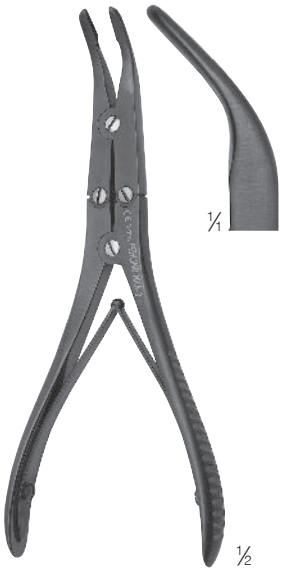
2,7 x 250 mm
NEV-1

CERAMO®



	1,5 mm	NKL-8
	2 mm	NKL-1
	3 mm	NKA-1
	4 mm	NKA-2

BÖHLER
150 mm



	2 mm	NKA-3
	3 mm	NKA-4

BÖHLER
150 mm



3 mm

BEYER
180 mm
NKA-5



4 mm

ZAUFAL-JANSEN
180 mm
NKA-6



5 mm

RUSKIN
190 mm
NKA-7

CERAMO®



1/1

1/2

MARQUARDT
200 mm

	2 mm	NKA-8
	3 mm	NKA-9



1/1

7 mm

1/2

RUSKIN
230 mm

NKB-7



1/1

1/2

SMITH-PETERSON
240 mm

	3 mm	NKB-1
	4 mm	NKB-2
	5 mm	NKB-3



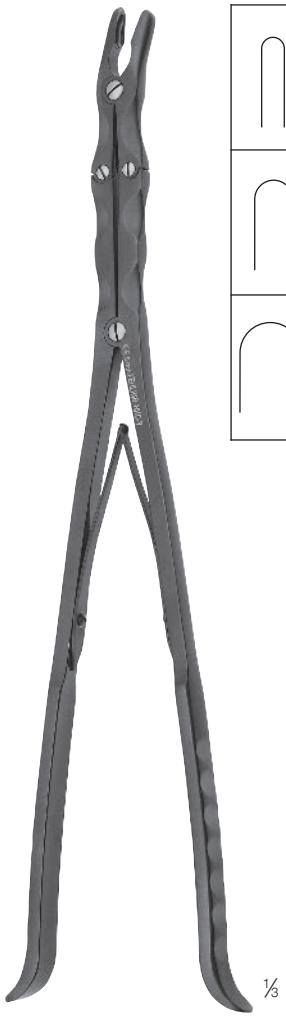
1/1

1/2

SMITH-PETERSON
240 mm

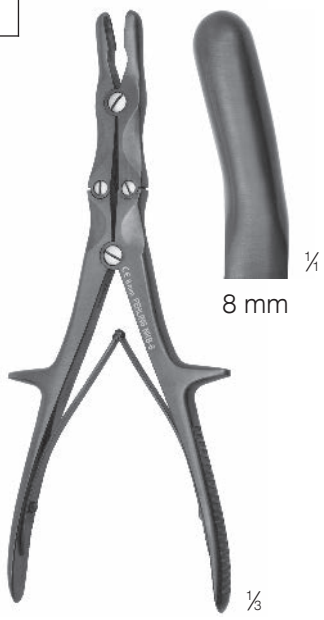
	2 mm	NKB-0
	3 mm	NKB-4
	4 mm	NKB-5
	5 mm	NKB-6

CERAMO®



MEGA-LUER
400 mm

	3 mm	NKC-7
	5 mm	NKC-8
	8 mm	NKC-9



STILLE-RUSKIN
230 mm
NKB-8



LUER-STILLE
270 mm
NKC-4



LUER-STILLE
220 mm



NKC-1



NKC-2



SEMB
230 mm
NKC-3

CERAMO®



½

LEKSELL
230 mm

	2 mm	NKD-0
	3 mm	NKD-6
	4 mm	NKD-7
	6 mm	NKD-8
	8 mm	NKD-9



½

LEKSELL
230 mm

	3 mm	NKF-6
	4 mm	NKF-7
	6 mm	NKF-8
	8 mm	NKF-9



½

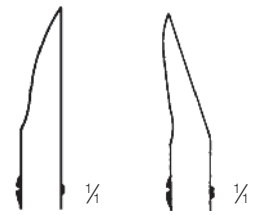
STILLE
230 mm

	2 mm	NKD-1
	3 mm	NKD-2
	4 mm	NKD-3
	6 mm	NKD-4
	8 mm	NKD-5

CERAMO®



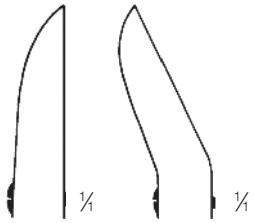
BÖHLER
150 mm



NKK-1 NKK-2



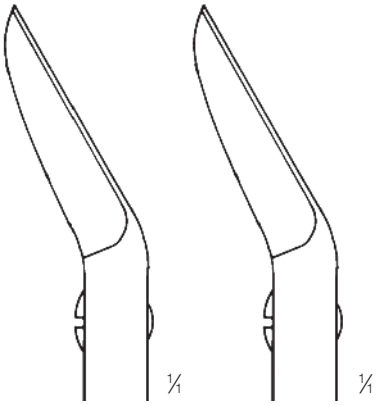
RUSKIN-LISTON
190 mm



NKK-3 NKK-4



LISTON

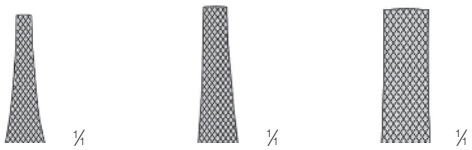


235 mm
NKK-5

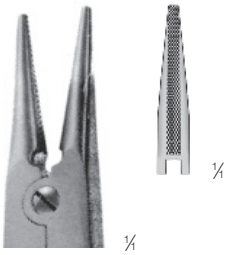
275 mm
NKK-6



WIRE EXTRACTION PLIER
DRAHTAUSZUGSZANGE



LENGTH LÄNGE	EXTRA DELICATE EXTRA FEIN	DELICATE FEIN	LARGE BREIT
150 mm	LAE-6	–	LAE-8
180 mm	LAE-4	LAE-7	LAE-9



ROUND PLIERS
RUNDZANGE
180 mm

LAH-7

Your distributor
Ihr Vertriebspartner

FEHLING...

... THE DIFFERENCE

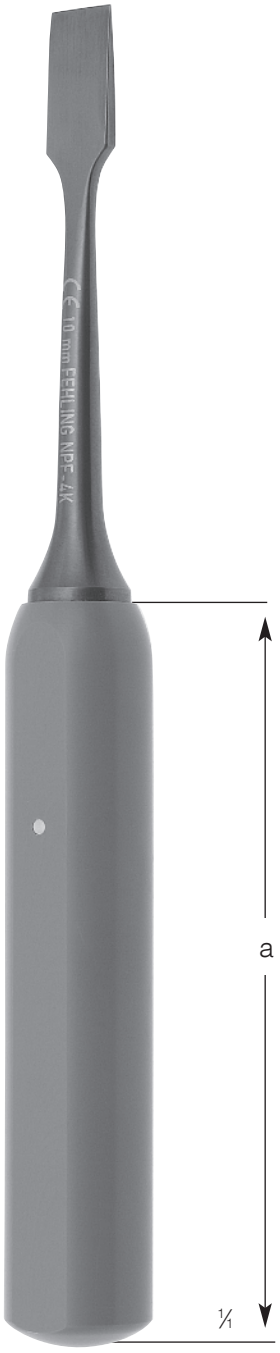
7

CHISELS
CURETTES
RASPATORIES
TAMPERS
DISSECTORS

MEISSEL
SCHARFE LÖFFEL
RASPATORIEN
STÖSSEL
DISSEKTOREN



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LEXER MINI
180 mm

a = 100 mm



FLAT CHISELS
FLACHMEISSEL

WIDTH BREITE	CERAMO®	UNCOATED UNBESCHICHTET
4 mm	NPF-1K	LBK-6K
6 mm	NPF-2K	LBK-7K
8 mm	NPF-3K	LBK-8K
10 mm	NPF-4K	LBK-9K
12 mm	NPF-5K	LBL-1K



GOUGES
HOHLMEISSEL

WIDTH BREITE	CERAMO®	UNCOATED UNBESCHICHTET
4 mm	NPG-1K	LBL-2K
6 mm	NPG-2K	LBL-3K
8 mm	NPG-3K	LBL-4K
10 mm	NPG-4K	LBL-5K
12 mm	NPG-5K	LBL-6K



FLAT CHISELS
FLACHMEISSEL

WIDTH BREITE	CERAMO®	UNCOATED UNBESCHICHTET
5 mm	NPH-1K	LBL-7K
7 mm	NPH-2K	LBL-8K
10 mm	NPH-3K	LBL-9K
15 mm	NPH-4K	LBM-1K
20 mm	NPH-5K	LBM-2K
25 mm	NPH-6K	LBM-3K
30 mm	NPH-7K	LBM-4K



GOUGES
HOHLMEISSEL

WIDTH BREITE	CERAMO®	UNCOATED UNBESCHICHTET
5 mm	NPI-1K	LBM-6K
7 mm	NPI-2K	LBM-7K
10 mm	NPI-3K	LBM-8K
15 mm	NPI-4K	LBM-9K
20 mm	NPI-5K	LBN-1K
25 mm	NPI-6K	LBN-2K
30 mm	NPI-7K	LBN-3K



LEXER
220 mm

a = 120 mm

CERAMO®



WIDTH BREITE	STRAIGHT GERADE L = 300 mm a = 120 mm	STRAIGHT GERADE L = 360 mm a = 160 mm	STRAIGHT GERADE L = 450 mm 1) a = 200 mm	ANGLED GEWINKELT L = 300 mm a = 120 mm	STRAIGHT 2) GERADE 2) L = 360 mm 1) a = 160 mm
4 mm	NPC-1K	NOX-1K	NOR-1K	NPD-1K	–
6 mm	NPC-2K	NOX-2K	NRN-5K	NPD-2K	–
8 mm	NPC-3K	NOX-3K	NOR-2K	NPD-3K	–
10 mm	NPC-4K	NOX-4K	NOR-3K	NPD-4K	NOW-7K
15 mm	NPC-5K	NOX-5K	NOR-4K	NPD-5K	NOW-8K
20 mm	NPC-6K	NOX-6K	NOR-5K	NPD-6K	NOW-9K
25 mm	NPC-7K	NOX-7K	NOR-6K	NPD-7K	–
30 mm	NPC-8K	NOX-8K	NOR-7K	NPD-8K	–



DAHMEN
OSTEOTOME

UNCOATED / UNBESCHICHTET

WIDTH BREITE	STRAIGHT GERADE L = 300 mm a = 120 mm	STRAIGHT GERADE L = 360 mm a = 160 mm	STRAIGHT GERADE L = 450 mm 1) a = 200 mm	ANGLED GEWINKELT L = 300 mm a = 120 mm	STRAIGHT 2) GERADE 2) L = 300 mm a = 120 mm
4 mm	LAZ-6K	LPN-1K	LBI-1K	LBA-7K	–
6 mm	LAZ-8K	LPN-2K	LBI-2K	LBA-9K	LBQ-2K
8 mm	LAZ-9K	LPN-3K	LBI-3K	LBB-1K	–
10 mm	LBA-1K	LPN-4K	LBI-4K	LBB-2K	LBQ-4K
15 mm	LBA-3K	LPN-5K	LBI-5K	LBB-4K	LBQ-5K
20 mm	LBA-4K	LPN-6K	LBI-6K	LBB-5K	LBQ-6K
25 mm	LBA-6K	LPN-7K	LBI-7K	LBB-7K	LBQ-7K
30 mm	LBA-0K	LPN-8K	LBI-8K	LBB-0K	–

L = TOTAL LENGTH / GESAMTLÄNGE
1) BOTH-SIDED CALIBRATION / BEIDSEITIG GRADUIERT
2) ONE-SIDED CUT / EINSEITIGER SCHLIFF



DAHMEN
GOUGES
HOHLMEISSEL

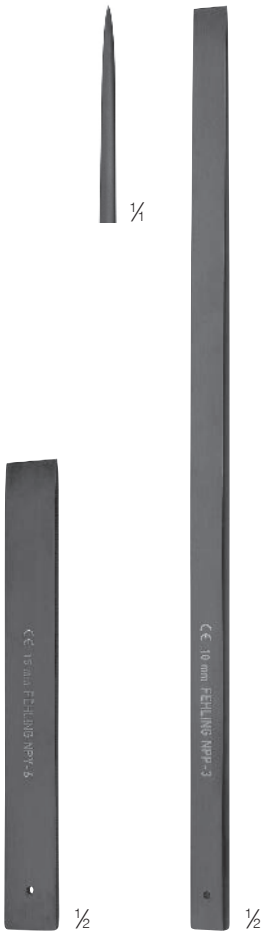
CERAMO®

WIDTH BREITE	L = 300 mm a = 120 mm	L = 360 mm a = 160 mm	L = 450 mm 1) a = 200 mm
4 mm	NPE-1K	NOY-1K	NOP-1K
6 mm	NPE-2K	NOY-2K	NOP-2K
8 mm	NPE-3K	NOY-3K	NOP-3K
10 mm	NPE-4K	NOY-4K	NOP-4K
15 mm	NPE-5K	NOY-5K	NOP-5K
20 mm	NPE-6K	NOY-6K	NOP-6K
25 mm	NPE-7K	NOY-7K	NOP-7K
30 mm	NPE-8K	NOY-8K	NOP-8K

UNCOATED / UNBESCHICHTET

WIDTH BREITE	L = 300 mm a = 120 mm	L = 360 mm a = 160 mm	L = 450 mm 1) a = 200 mm
4 mm	LBB-8K	LPP-1K	LBO-1K
6 mm	LBB-9K	LPP-2K	LBO-2K
8 mm	LBC-1K	LPP-3K	LBO-3K
10 mm	LBC-2K	LPP-4K	LBO-4K
15 mm	LBC-4K	LPP-5K	LBO-5K
20 mm	LBC-5K	LPP-6K	LBO-6K
25 mm	LBC-7K	LPP-7K	LBO-7K
30 mm	LBC-0K	LPP-8K	LBO-8K

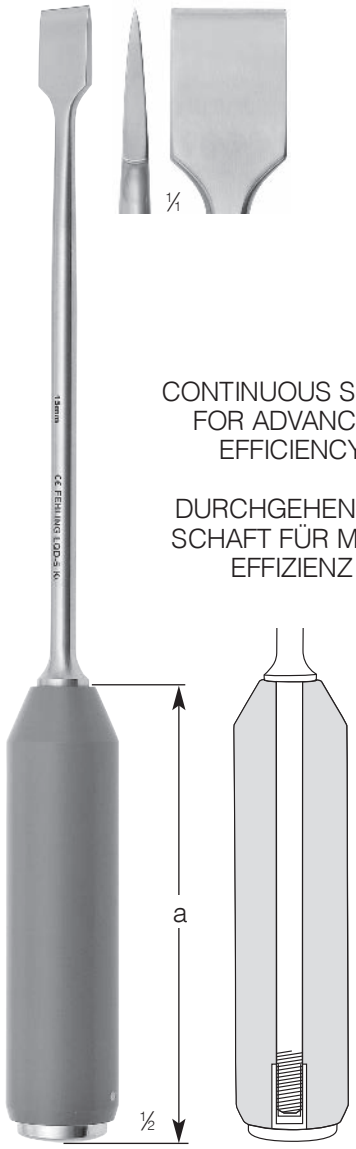
L = TOTAL LENGTH / GESAMTLÄNGE
1) BOTH-SIDED CALIBRATION / BEIDSEITIG GRADUIERT



MINI LAMBOTTE 125 mm

LAMBOTTE 250 mm

	CERAMO®		UNCOATED UNBESCHICHTET	
WIDTH BREITE	125 mm	250 mm	125 mm	250 mm
4 mm	NPY-1	NPP-1	LBR-1	LBH-4
6 mm	NPY-2	–	LBR-2	LBH-5
8 mm	NPY-3	NPP-2	LBR-3	LBH-6
10 mm	NPY-4	NPP-3	LBR-4	LBH-8
12 mm	NPY-5	–	LBR-5	LBH-9
13 mm	–	NPP-4	–	LBJ-1
15 mm	NPY-6	–	LBR-6	LBJ-2
16 mm	–	NPP-5	–	LBJ-3
18 mm	–	NPP-6	–	LBJ-4
20 mm	–	NPP-7	–	LBJ-5
25 mm	–	NPP-8	–	LBJ-7
30 mm	–	NPP-9	–	LBJ-8
38 mm	–	NPQ-1	–	LBJ-9



CONTINUOUS SHAFT FOR ADVANCED EFFICIENCY

DURCHGEHENDER SCHAFT FÜR MEHR EFFIZIENZ

JARMO OSTEOTOME

WIDTH BREITE	L = 220 mm a = 120 mm	L = 300 mm a = 120 mm	L = 360 mm a = 160 mm
4 mm	–	LQD-1K	LPQ-1K
5 mm	LQA-1K	–	–
6 mm	–	–	LPQ-2K
7 mm	LQA-2K	–	–
8 mm	–	LQD-2K	LPQ-3K
10 mm	LQA-3K	LQD-3K	LPQ-4K
15 mm	LQA-4K	LQD-5K	LPQ-5K
20 mm	LQA-5K	LQD-7K	LPQ-6K
25 mm	LQA-6K	LQD-8K	LPQ-7K
30 mm	LQA-7K	LQD-9K	LPQ-8K

L = TOTAL LENGTH / GESAMTLÄNGE

CERAMO®







	STRAIGHT GERADE				ANGLED GEWINKELT		
SIZE FIGUR	L = 200 mm a = 115 mm	L = 285 mm a = 120 mm	L = 360 mm a = 160 mm	L = 450 mm[1] a = 200 mm	L = 285 mm a = 120 mm	L = 360 mm a = 160 mm	L = 450 mm[1] a = 200 mm
1/1 0000	NRX-1K	NRB-5K	NRE-1K	NRW-1K	NRC-5K	NRF-1K	NRU-1K
1/1 000	NRX-2K	NRB-6K	NRE-2K	NRW-2K	NRC-6K	NRF-2K	NRU-2K
1/1 00	NRX-3K	NRB-7K	NRE-3K	NRW-3K	NRC-7K	NRF-3K	NRU-3K
1/1 0	NRX-4K	NRB-8K	NRE-4K	NRN-1K	NRC-8K	NRF-4K	NRU-4K
1/1 1	NRX-5K	NPA-1K	NRE-5K	NRW-4K	NPB-1K	NRF-5K	NRU-5K
1/1 2	NRX-6K	NPA-2K	NRE-6K	NRW-5K	NPB-2K	NRF-6K	NRU-6K
1/1 3	NRX-7K	NPA-3K	NRE-7K	NRN-2K	NPB-3K	NRF-7K	NRU-7K
1/1 4	NRX-8K	NPA-4K	NRE-8K	NRW-6K	NPB-4K	NRF-8K	NRU-8K

L = TOTAL LENGTH / GESAMTLÄNGE
1) BOTH-SIDED CALIBRATION / BEIDSEITIG GRADUIERT

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CLOWARD
a = 115 mm

SIZE FIGUR	STRAIGHT GERADE		45° ANGLED 45° GEWINKELT		BACKWARDS RÜCKWÄRTS	
	L = 200 mm	L = 230 mm	L = 200 mm	L = 230 mm	L = 200 mm	L = 230 mm
1/1 000000	–	NZJ-0K	–	NZJ-9K	–	–
1/1 00000	–	NZJ-5K	–	NZJ-6K	NRV-0K	–
1/1 0000	NPM-1K	NZJ-3K	NPN-1K	NZJ-4K	–	–
1/1 000	NPM-2K	NZJ-1K	NPN-2K	NZJ-2K	NRV-1K	NPR-4K
1/1 00	NPM-3K	NZJ-7K	NPN-3K	NZJ-8K	NRV-2K	NPR-5K
1/1 0	NPM-4K	NZM-1K	NPN-4K	NZM-0K	NRV-3K	NPR-6K
1/1 1	NPM-5K	NZM-3K	NPN-5K	NZM-2K	NRV-4K	NPR-7K
1/1 2	NPM-6K	NZM- 5K	NPN-6K	NZM-4K	NRV-5K	NPR-8K
1/1 3	NPM-7K	NZM-7K	NPN-7K	NZM-6K	NRV-6K	NPR-9K
1/1 4	NPM-8K	NZM-9K	NPN-8K	NZM-8K	NRV-7K	NPS-4K
1/1 5	NPM-9K	NZN-1K	NPN-9K	NZN-0K	NRV-8K	NPS-5K
1/1 6	NPM-0K	NZN-3K	NPN-0K	NZN-2K	NRV-9K	NPS-6K

L = TOTAL LENGTH / GESAMTLÄNGE

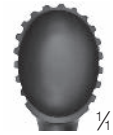
HANDLES MADE OF PROPYLUX / GRIFFMATERIAL = PROPYLUX

CERAMO®







	STRAIGHT GERADE			CURVED GEBOGEN	
SIZE FIGUR	L = 285 mm a = 120 mm	L = 360 mm a = 160 mm	L = 450 mm[1] a = 200 mm	L = 360 mm a = 160 mm	L = 450 mm[1] a = 200 mm
 1/1 1	NZO-0K	NZO-2K	NRP-1K	NZO-3K	NRP-2K
 1/1 2	NZO-1K	NZO-4K	NRP-3K	NZO-5K	NRP-4K
 1/1 3	NZE-2K	NZO-6K	NRN-3K	NZO-7K	NRP-5K
 1/1 4	NZE-0K	NZO-8K	NRP-6K	NZO-9K	NRP-7K

L = TOTAL LENGTH / GESAMTLÄNGE
1) BOTH-SIDED CALIBRATION / BEIDSEITIG GRADUIERT

CERAMO®



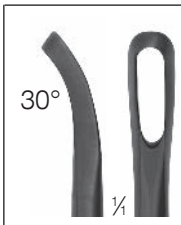
SIZE FIGUR	STRAIGHT GERADE L = 230 mm	45° ANGLED GEWINKELT L = 230 mm	90° ANGLED GEWINKELT L = 230 mm
000000	–	–	NRQ-8
00000	–	–	NRQ-9
000	NRR-0	NRR-5	–
00	NRR-1	NRR-6	–
0	NRR-2	NRR-7	–
2	NRR-3	NRR-8	–
4	NRR-4	NRR-9	–

CUP SIZE LÖFFEL-GRÖSSE	STRAIGHT GERADE		ANGLED GEWINKELT		BACKWARDS RÜCKWÄRTS	
	L = 230 mm	L = 290 mm	L = 230 mm	L = 290 mm	L = 230 mm	L = 290 mm
1,8 mm	NRG-2	NRD-2	NRG-5	NRD-5	NRG-9	NRD-8
3,6 mm	NRG-1	NRD-1	NRG-4	NRD-4	NRG-8	NRD-7
5,2 mm	NRG-0	NRD-0	NRG-3	NRD-3	NRG-6	NRD-6

L = TOTAL LENGTH / GESAMTLÄNGE

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	WIDTH BREITE	L = 210 mm a = 120 mm	L = 265 mm a = 120 mm	L = 370 mm a = 160 mm
	6 mm	NPK-3K	NPJ-0K	–
	8 mm	NPK-4K	NPK-0K	NPK-1K
	10 mm	–	NPO-9K	NPK-2K
	6 mm	–	NPK-5K	–
	8 mm	–	NPK-6K	NPJ-1K
	10 mm	–	–	NPJ-2K

	WIDTH BREITE	L = 450 mm[1] a = 200 mm
	11 mm	NRN-7K

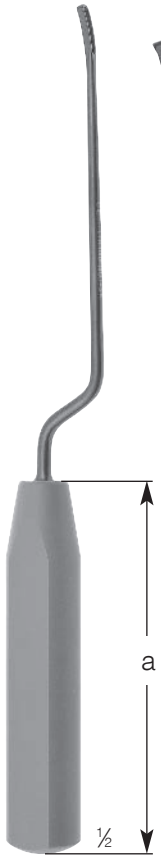
L = TOTAL LENGTH / GESAMTLÄNGE
1) BOTH-SIDED CALIBRATION / BEIDSEITIG GRADUIERT



4 mm
NDT-4K



6 mm
NDT-5K



LANKSCH
L = 215 mm
a = 100 mm



L = 250 mm
a = 120 mm

5 x 8	NPK-7K
5 x 10	NPK-8K
5 x 14	NPK-9K

L = TOTAL LENGTH / GESAMTLÄNGE

CERAMO®

4,5 mm

SHARP
SCHARF



2,0 mm

BLUNT
STUMPF

NZV-6



4,5 mm

BLUNT
STUMPF

NZV-5



225 mm

NZV-4



225 mm

FIND MICRO DISSECTORS
IN CHAPTER 10.

MIKRODISSEKTOREN SIND
IN KAPITEL 10 ZU FINDEN.



10 mm

SHARP
SCHARF



10 mm

SHARP
SCHARF



KRÄMER
185 mm

NRK-5



KRÄMER
185 mm

NRK-6



KILLIAN
185 mm

NRH-1



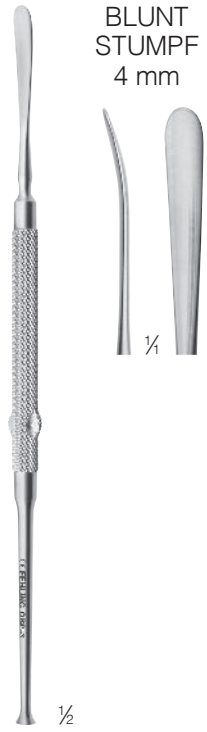
FREER
195 mm

NRH-3



FREER/YASARGIL
185 mm

NRH-4



FREER
190 mm

OBP-3



FREER
200 mm

OBT-4



EVERHARDT
230 mm

NHX-0

CERAMO®



a = 100 mm



3 x 185 mm
NRI-0K



6 x 190 mm
NRI-1K



6 x 190 mm
NRI-2K



6 x 190 mm
NRI-3K



a = 115 mm



14 x 190 mm
NRI-4K

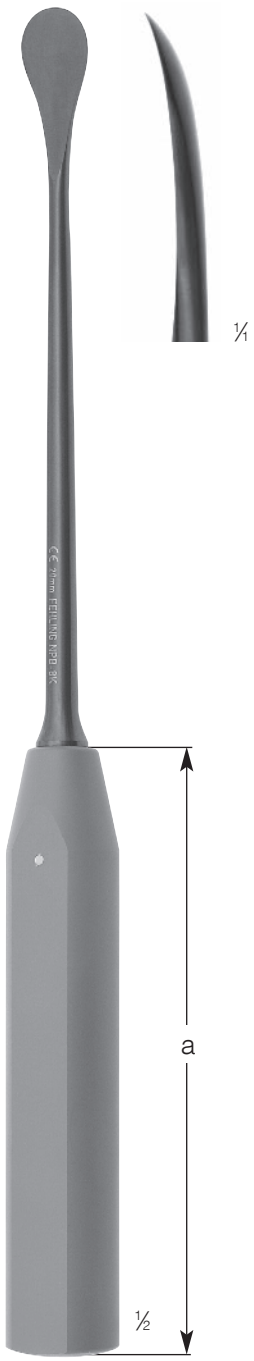


14 x 190 mm
NRI-5K

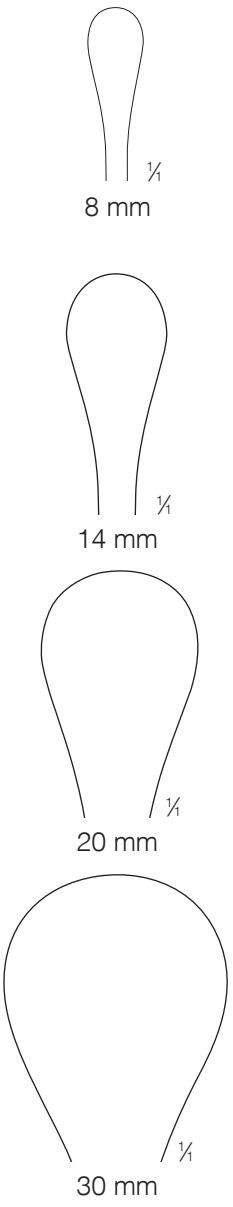


13 x 185 mm
NRI-6K

CERAMO®



COBB



L = 280 mm a = 120 mm	L = 360 mm a = 160 mm	L = 450 mm[1)] a = 200 mm
NPA-6K	NPB-6K	NPF-6K
NPA-7K	NPB-7K	NPF-7K
NPA-8K	NPB-8K	NPF-8K
–	NZR-1K	–

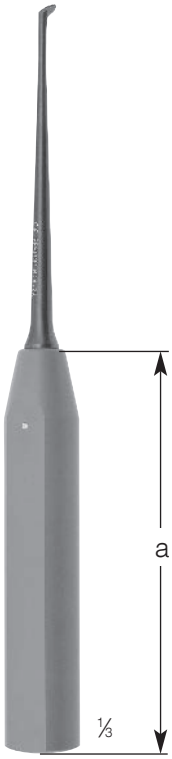
L = TOTAL LENGTH / GESAMTLÄNGE
1) BOTH-SIDED CALIBRATION / BEIDSEITIG GRADUIERT

CERAMO®



	L = 220 mm a = 120 mm	L = 300 mm a = 160 mm	L = 360 mm a = 160 mm	L = 450 mm[1)] a = 200 mm
1/1 6 x 6 mm	–	NUA-2K	NUB-5K	NUB-1K
1/1 6 x 18 mm	–	NUA-1K	NUB-6K	NUB-2K
1/1 Ø 3 mm	NUA-8K	–	–	–
1/1 Ø 5 mm	NUA-7K	NUA-4K	NUB-7K	NUB-3K
1/1 Ø 10 mm	NUA-6K	NUA-3K	NUB-8K	NUB-4K
1/1 4 x 10 mm	–	NUA-5K	NUB-9K	–

L = TOTAL LENGTH / GESAMTLÄNGE
1) BOTH-SIDED CALIBRATION / BEIDSEITIG GRADUIERT



CERAMO® SYPERT

	L = 300 mm a = 160 mm	L = 360 mm a = 160 mm	L = 450 mm[1)] a = 200 mm
1/1 3 x 8 mm	NRA-1K	NUC-5K	NUC-1K
1/1 4 x 10 mm	NRA-2K	NUC-6K	NUC-2K
1/1 5 x 15 mm	NRA-4K	NUC-7K	NUC-3K
1/1 6 x 20 mm	NRA-5K	NUC-8K	NUC-4K

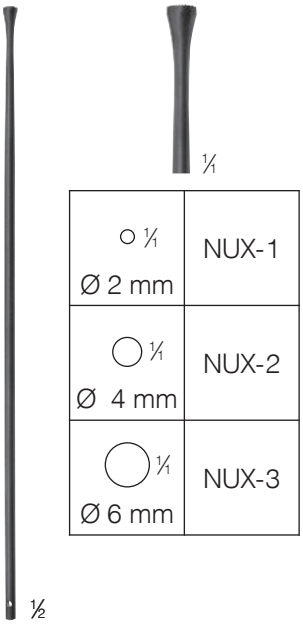
L = TOTAL LENGTH / GESAMTLÄNGE
1) BOTH-SIDED CALIBRATION / BEIDSEITIG GRADUIERT

HANDLES MADE OF PROPYLUX / GRIFFMATERIAL = PROPYLUX



160 mm

1/1 Ø 3 mm	LBW-2
1/1 Ø 5 mm	LBW-4
1/1 Ø 7 mm	LBW-6
1/1 Ø 9 mm	LBW-8



CERAMO®
MICRO TAMPER
MIKROSTÖSSEL
160 mm

1/1 Ø 2 mm	NUX-1
1/1 Ø 4 mm	NUX-2
1/1 Ø 6 mm	NUX-3



CERAMO®
HANDLE
GRIFF

ABB-1

CERAMO®

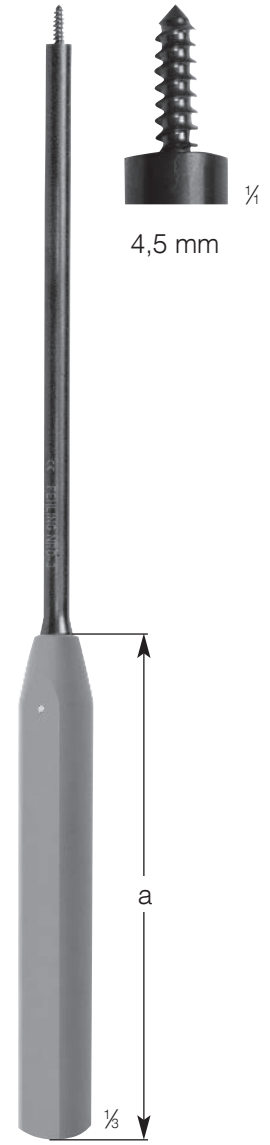


NERVE HOOK
NERVHAKEN
L = 370 mm
a = 120 mm



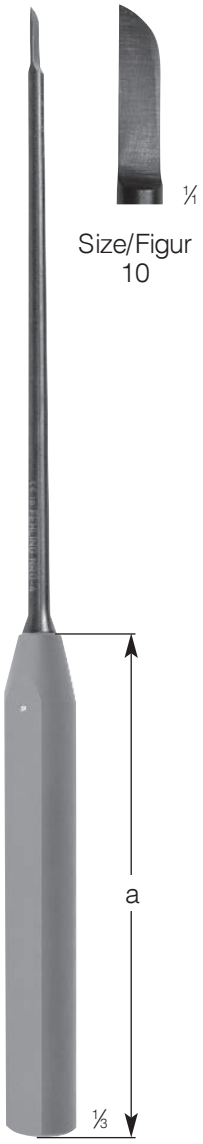
DISSECTOR,
SEMI-SHARP
DISSEKTOR,
HALBSCHARF
L = 370 mm
a = 160 mm

NRO-2K1)



GRAFT KEEPER,
THREADED
SPANHALTER
MIT GEWINDE
L = 450 mm
a = 200 mm

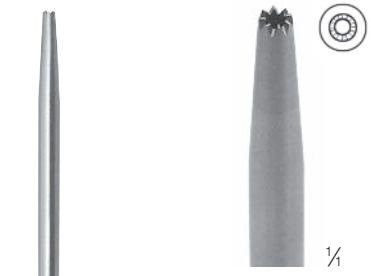
NRO-3K2)



DISCOTOME
BANDSCHEIBENMESSER
L = 450 mm
a = 200 mm

NRO-4K2)

L = TOTAL LENGTH / GESAMTLÄNGE
1) ONE-SIDED CALIBRATION / EINSEITIG GRADUIERT
2) BOTH-SIDED CALIBRATION / BEIDSEITIG GRADUIERT



1/1

OUTER / ÄUSSERER Ø: 7 mm
INNER / INNERER Ø: 2 mm



1/2

CANULATED AWL
KANULIERTER PFRIEM
230 mm

NTM-1



1/1

1/2

FOUREDGED AWL
VIERKANT-PFRIEM
140 mm

LAC-8



1/2

COTTLE
MALLET
HAMMER
190 mm
Ø 30 mm
240 g

LAR-2



MEASURING RANGE
MESSBEREICH
60 mm

1/3



1/1

ENDO
INTERVERTEBRAL CALIBRE
INTERVERTEBRALKALIBER
370 mm

NUD-7

Your Distributor
Ihr Vertriebspartner

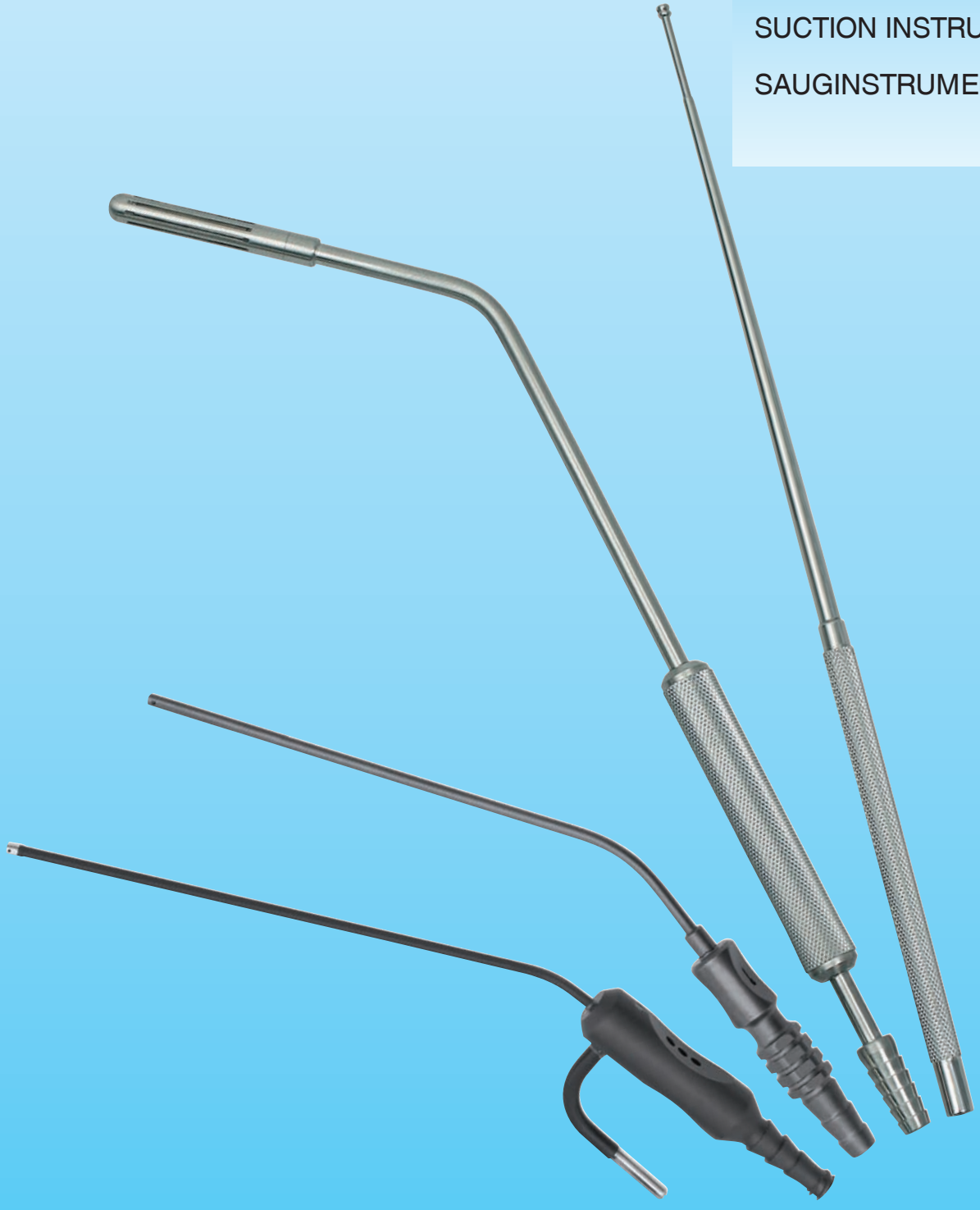
FEHLING...

... THE DIFFERENCE

8

SUCTION INSTRUMENTS

SAUGINSTRUMENTE

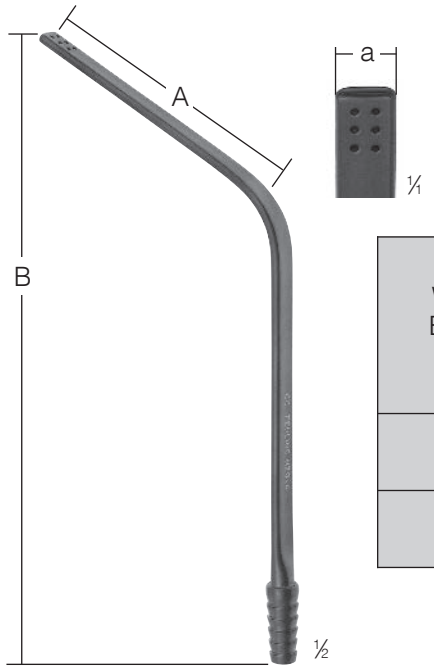


FEHLING INSTRUMENTS

Hanauer Landstraße 7A · 63791 Karlstein/Germany · www.fehling-instruments.de

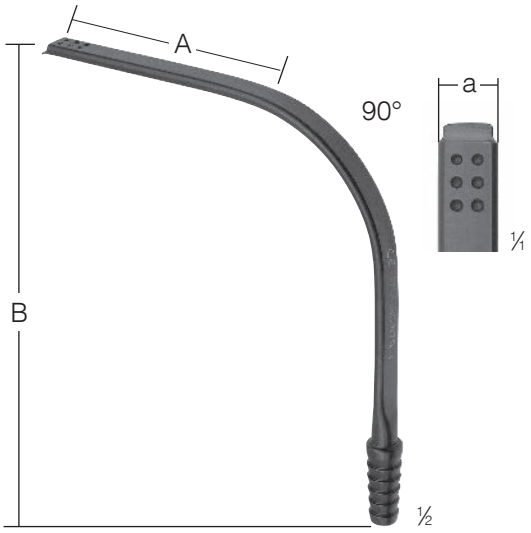
+49 (0) 6188 - 9574.40 +49 (0) 6188 - 9574.45 info@fehling-instruments.de

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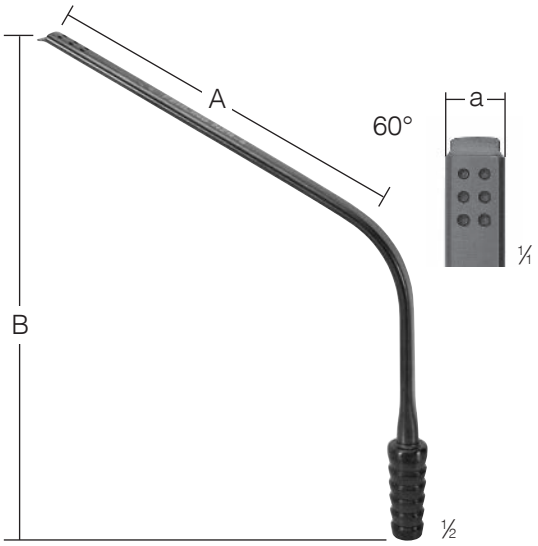
WIDTH BREITE a	LENGTH LÄNGE A / B		
	70 / 155 mm	80 / 160 mm	90 / 165 mm
6 mm	NZQ-7V	NZQ-8V	NZQ-9V
8 mm	NZQ-3V	NZQ-4V	NZQ-5V

SCHROEDER
SUCTION SPATULA
SAUGSPATEL



SUCTION NERVE ROOT RETRACTOR
SAUG-NERVWURZELHAKEN

WIDTH BREITE a	LENGTH LÄNGE A / B	
	95 / 135 mm	175 / 210 mm
6 mm	NZQ-2	NZR-3
8 mm	NZQ-1	NZR-2

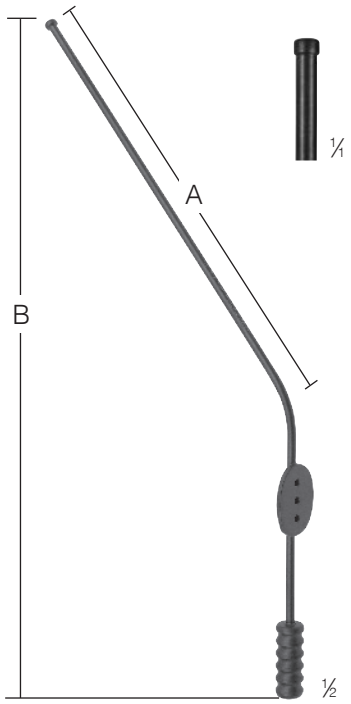


SUCTION NERVE ROOT RETRACTOR
SAUG-NERVWURZELHAKEN

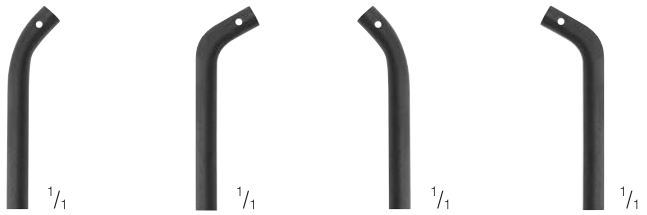
WIDTH BREITE a	LENGTH LÄNGE A / B	
	95 / 135 mm	175 / 260 mm
6 mm	NZR-6	NZR-5
8 mm	–	NZR-4

CERAMO® SCHICK

CEREBRAL SUCTION TUBE
CEREBRALSAUGER



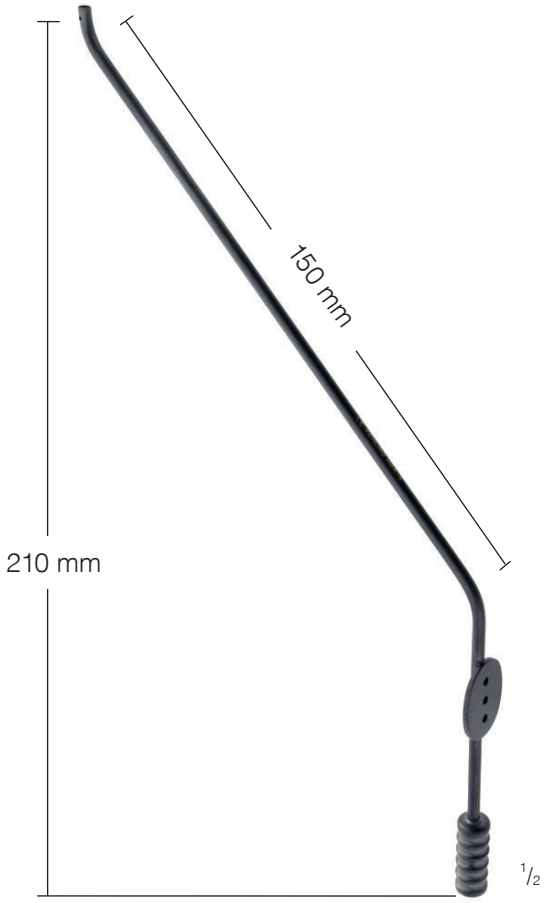
Ø TUBE ROHR	LENGTH LÄNGE A / B	
	130 / 180 mm	170 / 210 mm
2,5 mm	HAV-7V	HAV-8V
3,0 mm	HAV-9V	HAW-0V

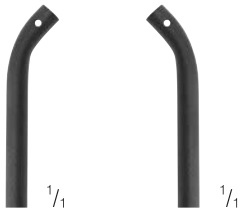




Ø TUBE ROHR	45°	60°	45°	60°
2,5 mm	HAW-5V	HAW-7V	HAW-6V	HAW-8V
3,0 mm	HBA-1V	HBA-3V	HBA-2V	HBA-4V

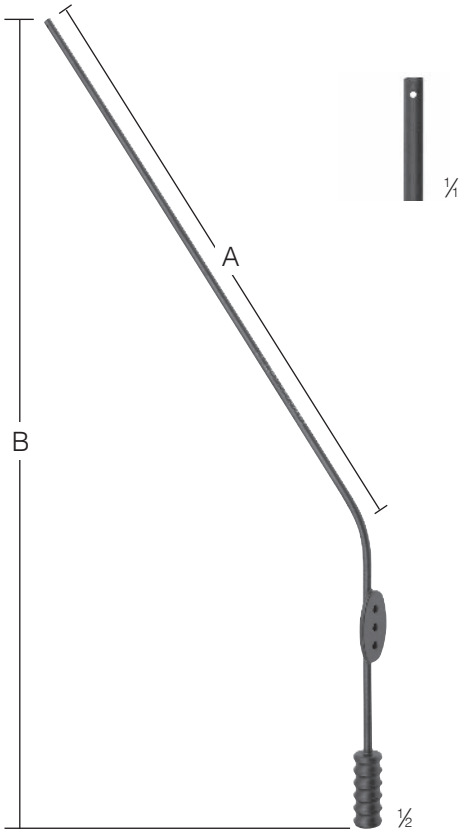
CERAMO®





Ø TUBE ROHR	45°	45°
3,0 mm	HBA-5	HBA-6

MICRO SUCTION TUBE
MIKROSAUGER



Ø TUBE ROHR	LENGTH LÄNGE A / B	
	130 / 180 mm	170 / 210 mm
1,5 mm	HAV-5	HAV-6
2,5 mm	HAV-1	HAV-2
3,0 mm	HAV-3	HAV-4

SCHICK
MICRO SUCTION TUBE
MIKROSAUGER

CERAMO®

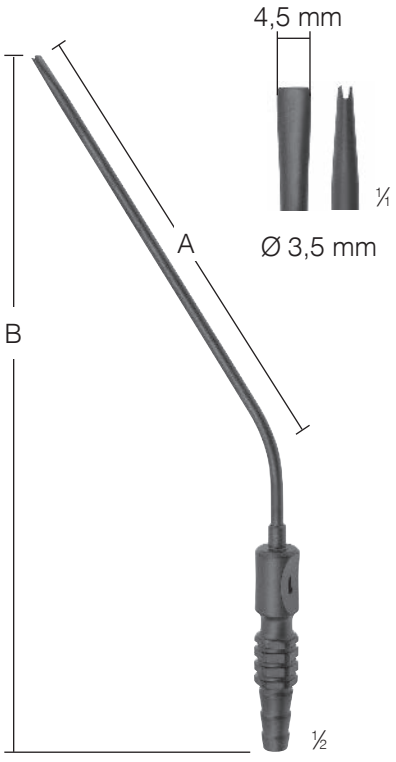


MICRO SUCTION TUBE
MIKROSAUGER
200 mm





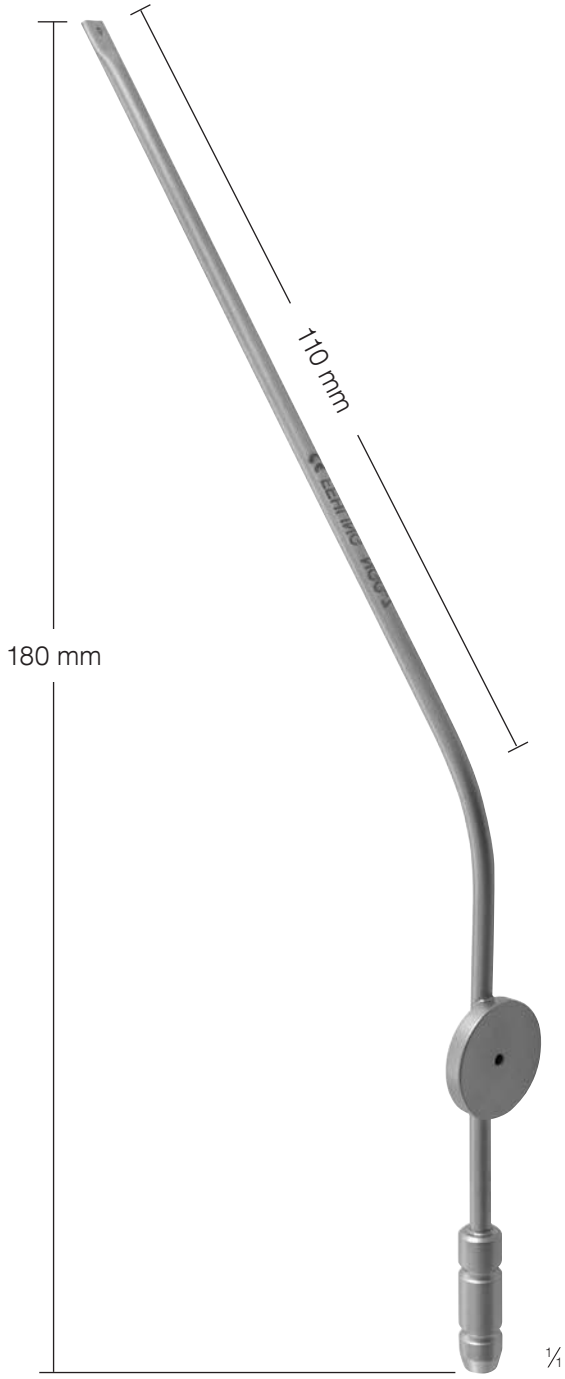
Ø TUBE ROHR	45°	60°
2,0 mm	HAW-1	HAW-2
3,0 mm	HAW-3	HAW-4



DISSECTING ASPIRATOR
DISSEKTIONSSAUGER

LENGTH LÄNGE A / B	
120 / 190 mm	NZV-3
220 / 250 mm	NZV-0

SUCTION INSTRUMENT WITH FINGER CUT OFF
SAUGER MIT SAUGUNTERBRECHUNG



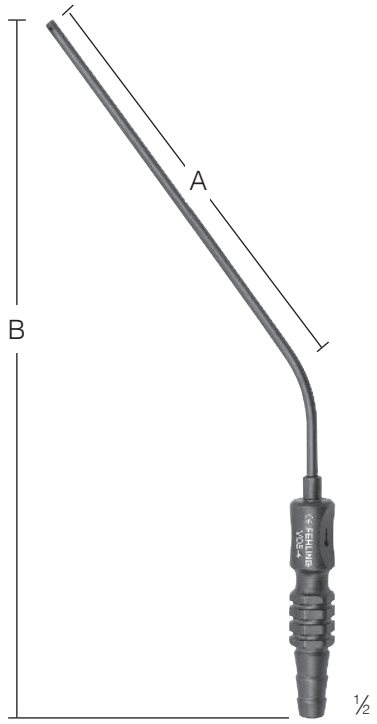

1/1


1/1

Ø TUBE ROHR		
3,0 mm	NGG-4	NGG-6
	NGG-7	
4,0 mm	NGT-0	–
	NGS-6	–

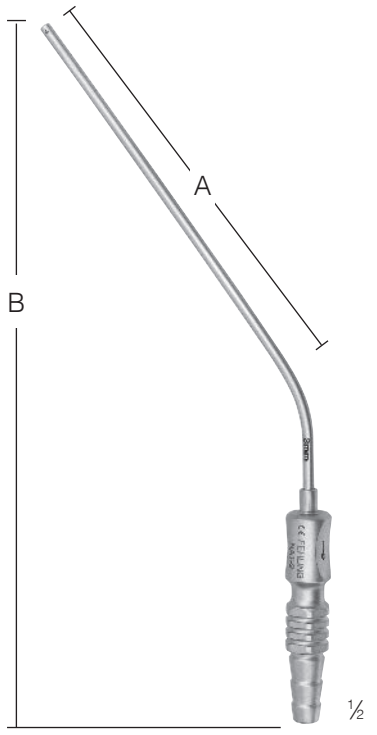
CERAMO®

FRAZIER



CERAMO®

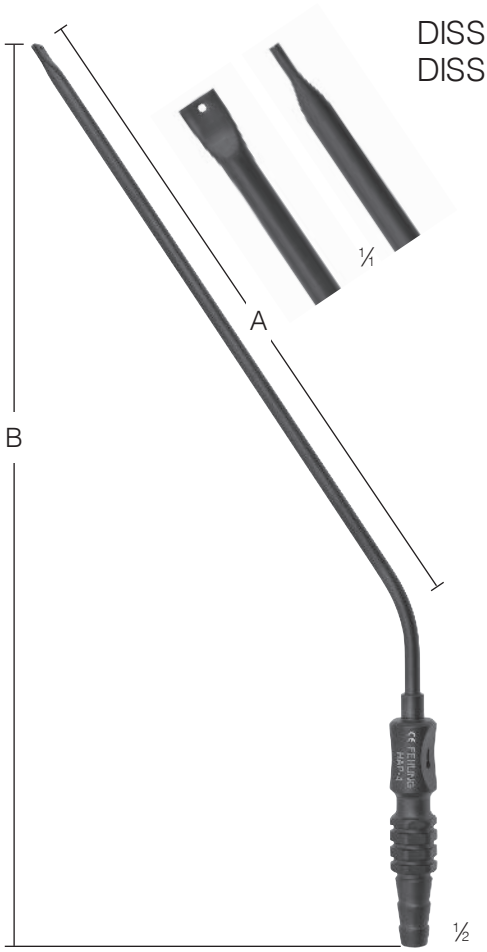
Ø TUBE ROHR	LENGTH LÄNGE A / B		
	115 / 180 mm	145 / 200 mm	210 / 250 mm
1,0 mm	–	VOC-1	VOE-4
1,5 mm	–	VOC-7	–
2,0 mm	VOB-2	VOC-2	VOE-5
2,5 mm	VOB-3	VOC-3	VOE-6
3,0 mm	VOB-4	VOC-4	VOE-7
4,0 mm	VOB-5	VOC-5	VOE-8
5,0 mm	VOB-6	VOC-6	VOE-9



UNCOATED
UNBESCHICHTET

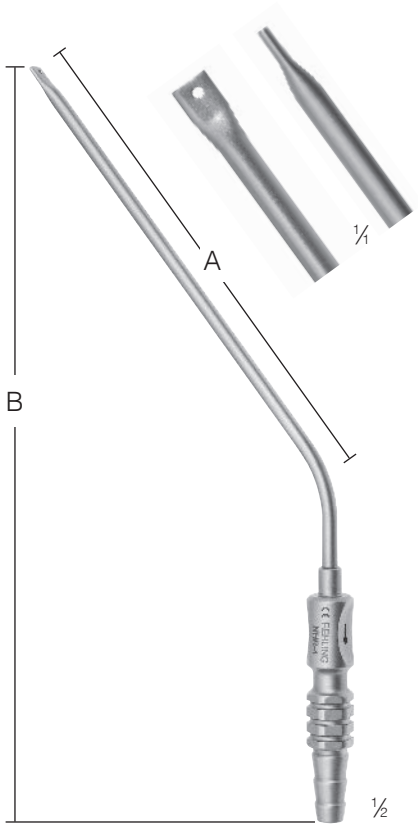
Ø TUBE ROHR	LENGTH LÄNGE A / B		
	115 / 180 mm	145 / 200 mm	210 / 250 mm
1,0 mm	–	HAR-1	–
1,5 mm	HAT-5	–	–
2,0 mm	NAT-7	HAR-2	NHR-8
2,5 mm	NAT-8	HAR-0	NHS-0
3,0 mm	NAT-9	HAR-3	NHR-9
4,0 mm	NAU-1	HAR-4	NHS-1
5,0 mm	NAU-2	HAP-9	NHS-2

DISSECTION CANNULAS
DISSEKTIONSSAUGER



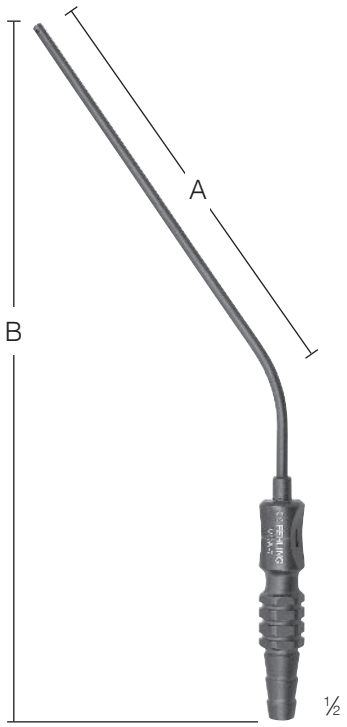
Ø TUBE ROHR	LENGTH LÄNGE A / B	
3,0 mm	125 / 190 mm	HAP-5
4,0 mm	175 / 245 mm	HAP-4

CERAMO®
KINTZEL



Ø TUBE ROHR	LENGTH LÄNGE A / B	
3,0 mm	110 / 170 mm	NHR-0
4,0 mm	120 / 190 mm	NHR-4
		NGG-5
4,0 mm	140 / 210 mm	NHA-8

CERAMO®



CERAMO®
SUCTION CANNULA
SAUGKANÜLE

MALLEABLE
BIEGBAR

Ø TUBE ROHR	LENGTH LÄNGE A / B	
	120 / 180 mm	160 / 210 mm
1,0 mm	VOA-5	VOB-0
2,0 mm	VOA-6	VOA-1
3,0 mm	VOA-7	VOA-2
4,0 mm	VOA-8	VOA-3
5,0 mm	VOA-9	VOA-4
6,0 mm	–	VOA-0



SUTTER MEDIZINTECHNIK
NON-STICK*
MONOPOLAR SUCTION TUBE
MONOPOLARER SAUGER
A = 130 mm

* limited distribution territory
eingeschränktes Vertriebsrecht

Ø TIP SPITZE	
1/1 3,3 mm	WEU-0
1/1 4,0 mm	WEU-1



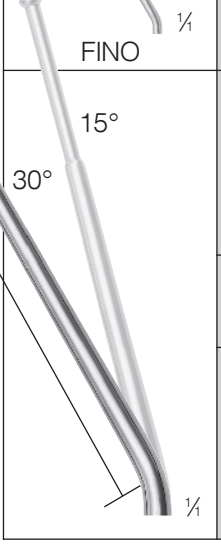
CLEANING BRUSH
REINIGUNGSBÜRSTE
360 mm

WEU-4

JAMIESON

DISSECTION CANNULAS
DISSEKTIONSSAUGER



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

Ø 2,0 mm



⅔

YANKAUER SUCTION TUBE
YANKAUER SAUGROHR
285 mm

HAA-4



⅔

VALVULAR SUCTION TUBE
SAUGER FÜR KLAPPENCHIRURGIE

300 mm	350 mm*
MNO-0	MNO-8

Ø 6,0 mm



⅔

CERAMO®
SUCTION CANNULA FOR
VALVE DECALCIFICATION
ENTKALKUNGSSAUGER
240 mm

MNF-5



⅔

HLM-ASPIRATOR
HLM-SAUGER
280 mm

MEL-7

* particularly for MICS MVR
speziell für MICS MKR/MKE



225 mm
MCE-9

PEDIATRIC
PÄDIATRISCH

Ø	
3,0 mm	MNO-4
4,2 mm	MNO-5



ANDREWS PYNCHON
240 mm



245 mm
MCE-8



210 mm
MNE-5



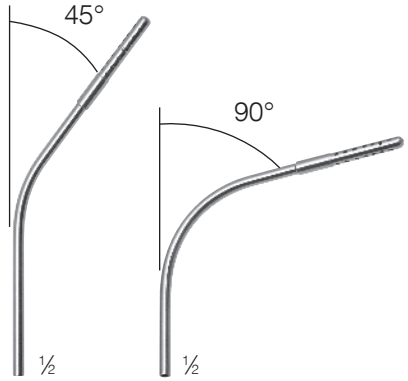
DETACHABLE BASKET
KORB ABNEHMBAR

SEBENING
180 mm
MNE-8

GRECO



PEDIATRIC
PÄDIATRISCH



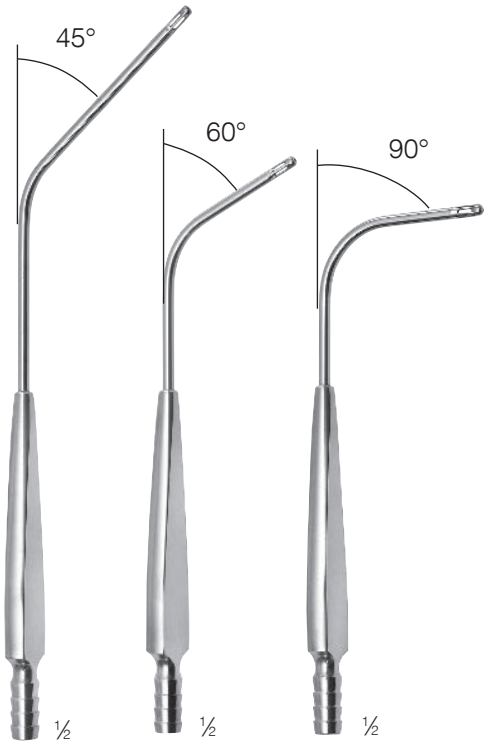
HLM-CANNULA
HLM-KANÜLE

DETACHABLE BASKET / KORB ABNEHMBAR

Ø TUBE / ROHR	180 mm	160 mm
3,3 mm	MNM-1	MNM-2
5,0 mm	MNM-3	MNM-4

DETACHABLE BASKET / KORB ABNEHMBAR

Ø TUBE / ROHR	95 mm	80 mm
3,3 mm	MNM-5	MNM-6
5,0 mm	MNM-7	MNM-8



Ø TUBE / ROHR	210 mm	180 mm	150 mm
3,3 mm	MNL-2	MNL-1	MNL-3
5,0 mm	MNL-5	MNL-4	MNL-6

GRECO

PEDIATRIC
PÄDIATRISCH



230 mm

MNL-7



205 mm

MNL-8

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



½



½

Ø 16 mm	9 x 12 mm
MCC-0	MCC-1



Ø 6 mm
L 23 mm

MKN-8



Ø 7 mm
L 25 mm



½

MKK-5

PEDIATRIC VENTRICULAR SUCTION CANNULA
KINDER-VENTRIKELSAUGER



½

HEPARIN CANNULA
HEPARIN KANÜLE

Ø TUBE ROHR	LENGTH LÄNGE		
	48 mm	55 mm	160 mm
1,2 mm	HAH-9	HAJ-2	—
2,0 mm	—	—	HAJ-3

MALLEABLE
BIEGSAM

Ø TUBE ROHR		
1,2 mm	VAD-3	VAD-4
1,5 mm	VAD-5	VAD-6
2,0 mm	VAD-0	—



½

BUTTONED CANNULA
KOPFKANÜLE
80 mm

VASCULAR IRRIGATOR
VASKULARSPÜLKOPF

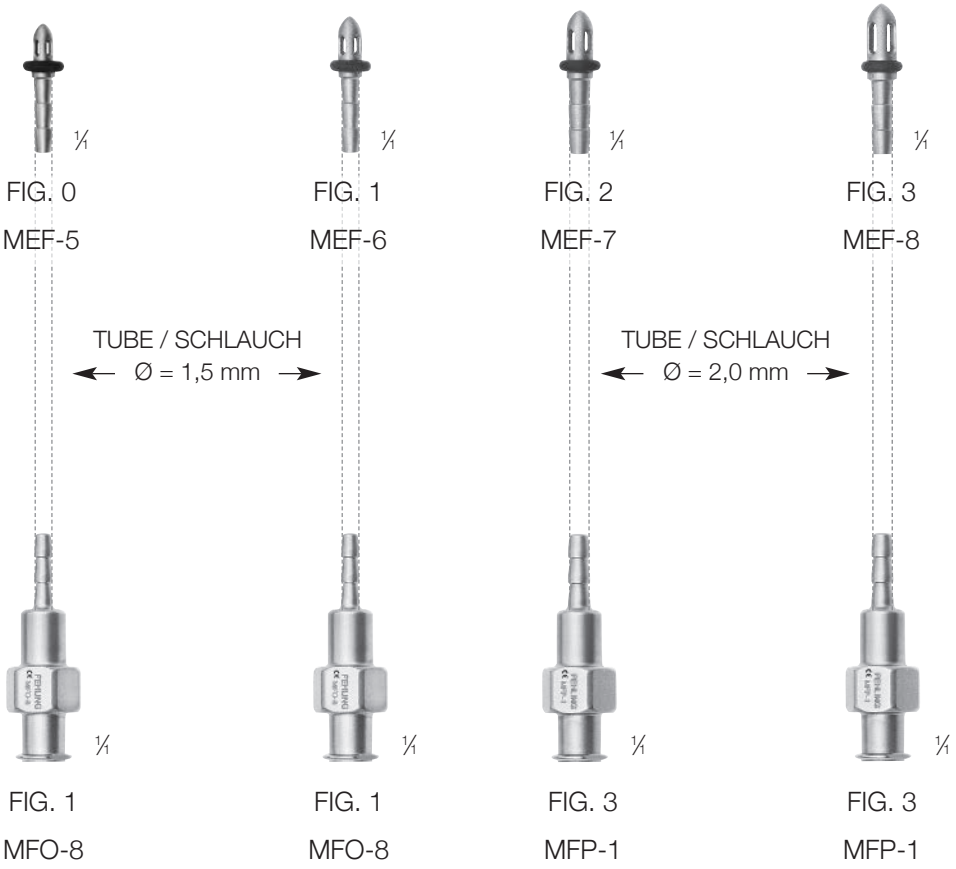


FIG. 0
MEF-5

FIG. 1
MEF-6

FIG. 2
MEF-7

FIG. 3
MEF-8

LUER-LOCK ADAPTER
LUER-LOCK-ANSATZ

FIG. 1
MFO-8

FIG. 1
MFO-8

FIG. 3
MFP-1

FIG. 3
MFP-1

Your Distributor
Ihr Vertriebspartner

Please note that not all products are available in every country.
Wir weisen darauf hin, dass einzelne Produkte oder Produktgruppen in manchen Ländern nicht verfügbar sein können.

The dimensions listed in the catalog are nominal measurements. Actual values may differ slightly due to variations in production.
Bei denen im Katalog angegebenen Maßen handelt es sich um Nennmaße. Die tatsächlichen Werte können fertigungsbedingt abweichen.

FEHLING...

... THE DIFFERENCE

10

MICRO DISSECTION AND RETRACTING INSTRUMENTS

MIKRO DISSEKTIONS- UND HALTEINSTRUMENTE



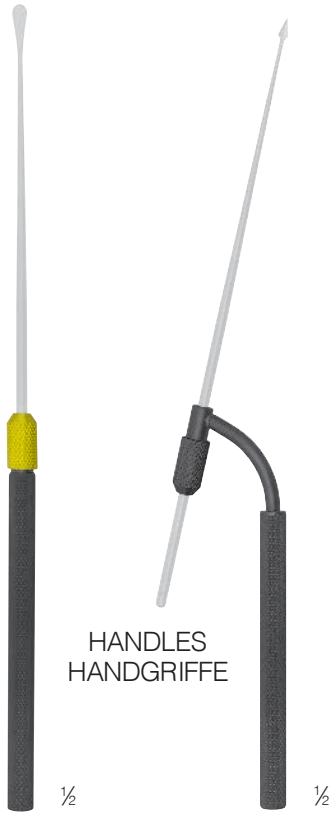
FEHLING INSTRUMENTS

Hanauer Landstr. 7A · 63791 Karlstein/Germany · www.fehling-instruments.de

+49 (0) 61 88 - 95 74.40 +49 (0) 61 88 - 95 74.45 info@fehling-instruments.de

CERAMO®

FI MICRO SET
FI MIKRO SET



½ ½

HANDLES
HANDGRIFFE

STRAIGHT
GERADE

ABB-1

BAYONET
BAJONETT

ABB-2



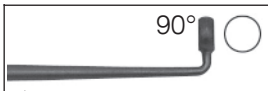
¼

STERILISATION AND STORAGE TRAY
STERILISATIONS- UND AUFBEWAHRUNGSBOX

210 x 180 mm	210 x 230 mm
NUM-0	NVM-0



½ ½

		160 mm	210 mm
 90° 1/1 ring curette / Ringkürette	2 mm	NUM-1	NVM-1
	4 mm	NUM-2	NVM-2
	6 mm	NUM-3	NVM-3
 45° 1/1 ring curette / Ringkürette	2 mm	NUM-4	NVM-4
	4 mm	NUM-5	NVM-5
	6 mm	NUM-6	NVM-6
 45° 1/1 ring curette / Ringkürette	2 mm	NUM-7	NVM-7
	4 mm	NUM-8	NVM-8
	6 mm	NUM-9	NVM-9
 40° 1/1 ring curette / Ringkürette	2 mm	NUR-1	NVR-1
	4 mm	NUR-2	NVR-2
	6 mm	NUR-3	NVR-3
 60° 1/1 ring curette / Ringkürette	2 mm	NUR-4	NVR-4
	4 mm	NUR-5	NVR-5
	6 mm	NUR-6	NVR-6

CERAMO®

FI MICRO SET
FI MIKRO SET





		160 mm	210 mm
 ½ dissector / Dissektor sharp / scharf	1 mm	NUN-1	NVN-1
	2 mm	NUN-2	NVN-2
	3 mm	NUN-3	NVN-3
 ½ dissector / Dissektor blunt / stumpf	1 mm	NUN-4	NVN-4
	1,5 mm	NUN-9	NVN-9
	2 mm	NUN-5	NVN-5
	3 mm	NUN-6	NVN-6
	4 mm	NUN-7	NVN-7
 ½ dissector / Dissektor blunt / stumpf	4 mm	NUN-8	NVN-8
 ½ bone curette / scharfer Löffel	2 mm	NUO-1	NVO-1
	3 mm	NUO-2	NVO-2
	4 mm	NUO-3	NVO-3
 45° ½ bone curette / scharfer Löffel	2 mm	NUO-4	NVO-4
	3 mm	NUO-5	NVO-5
	4 mm	NUO-6	NVO-6
 ½ 45° nerv hook / Nervhaken	1 x 2 mm	NUT-4	NVT-4
	1 x 4 mm	NUT-5	NVT-5
 ½ 90° nerv hook / Nervhaken	1 x 2 mm	NUP-1	NVP-1
	1 x 3 mm	NUP-2	NVP-2
	1 x 4 mm	NUP-6	NVP-6
	1 x 5 mm	NUP-4	NVP-4
	1 x 8 mm	NUP-5	NVP-5
 ½ 90° nerv hook / Nervhaken semi sharp / halbscharf	0,4 x 2 mm	NUP-7	NVP-7
	0,4 x 3 mm	NUP-8	NVP-8
 ½ 45° nerv hook / Nervhaken	1 x 3 mm	NUS-0	NVS-0
 ½ 90° nerv hook / Nervhaken	1 x 3 mm	NUP-9	NVP-9
	1 x 5 mm	NUS-1	NVS-1
	1 x 8 mm	NUS-2	NVS-2
 ½ nerv hook / Nervhaken	1 x 5 mm	NUS-3	NVS-3
 ½ 90° nerv hook / Nervhaken pointed / spitz	1 x 3 mm	NUS-9	NVS-9
 ½ knot- / thread lifter / Knoten- / Fadenheber	0,4 x 4 mm	NUT-0	–

CERAMO®

FI MICRO SET
FI MIKRO SET





		160 mm	210 mm
1/1 needle / Nadel		NUS-8	NVS-8
1/1 ball probe / Knopfsonde	1 mm	NUS-4	NVS-4
1/1 lancet knife / Lanzettmesser		NUS-6	NVS-6
1/1 sickle knife / Sichelmesser		NUS-7	NVS-7
1/1 pulling knife / Zugmesser	3,5 mm	NUP-3	NVP-3
1/1 disc knife / Tellermesser	2 mm	NUS-5	–
	4 mm	NUT-1	NVT-1
1/1 45° disc knife / Tellermesser	2 mm	NUT-2	NVT-2
	3 mm	NUR-0	–
	4 mm	NUT-3	NVT-3
1/1 micro knife / Mikromesser		NUT-6	–
1/1 45° disc dissector / Tellerdissektor blunt / stumpf	2 mm	NUT-7	–
	4 mm	NUT-8	–
1/1 LANKSCH nerve root retractor / Nervwurzelhaken	3 mm	NUO-7	–
	5 mm	NUO-8	–
1/1 tamper / Stößel	2 mm	NUX-1	–
	4 mm	NUX-2	–
	6 mm	NUX-3	–
POLYTOM KNIVES* POLYTOM MESSER*		160 mm	
1/1 pulling knife / Zugmesser	4 mm	NUL-1	–
1/1 pushing knife / Schubmesser	4,5 mm	NUL-2	–
1/1 micro knife / Mikromesser	FIGURE 11 FIGUR 11	NUT-9	–

*EXTRA HARD CARBON SURFACE
*EXTREM HARTE KOHLENSTOFFOBERFLÄCHE

CERAMO®



1/1

190 mm

RHOTON SET

1/1 dissector / Dissektor	1 mm	NTC-1
	2 mm	NTC-2
	3 mm	NTC-3
1/1 dissector / Dissektor	1 mm	NTC-6
	1,5 mm	NTC-7
	2 mm	NTC-8
1/1 elevator / Elevator	1,2 mm	NTC-5
	2,8 mm	NTC-4
1/1 hook / Häkchen semi-sharp / halbscharf	2 mm	NTC-9
1/1 hook / Häkchen blunt / stumpf	2 mm	NTD-1
1/1 hook / Häkchen semi-sharp / halbscharf	3 mm	NTD-2
1/1 needle / Nadel semi-sharp / halbscharf		NTD-3
1/1 bone curette / scharfer Löffel	1 x 2 mm	NTD-4
1/1 bone curette / scharfer Löffel	1 x 2 mm	NTD-5
1/1 nerve hook / Nervhaken	3 mm	NTD-6



1/8

STERILIZATION AND STORAGE TRAY
STERILISATIONS- UND AUFBEWAHRUNGSBEHÄLTER
210 x 230 x 20 mm

NBX-4



1/1

NERVE HOOK
NERVHAKEN
230 mm



1/1

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



BONE CURETTES
SCHARFE LÖFFEL

	45°	90°	45°
1/1 Ø 3 mm	1/1 Ø 3 mm	1/1 Ø 3 mm	1/1 Ø 3 mm
NBC-3	NBC-4	NBC-5	NBC-6

	45°	90°
	1/1 Ø 3 mm	1/1 Ø 3 mm
UP / AUF	NBC-7	NBD-2
DOWN / AB	NBC-8	NBD-3
RIGHT / RECHTS	NBC-9	NBD-4
LEFT / LINKS	NBD-1	NBD-5

ALL MODELS ALSO AVAILABLE WITH CERAMO SURFACE

ALLE MODELLE AUCH MIT CERAMO-OBER-FLÄCHE ERHÄLTLICH

RING CURETTES
RINGKÜRETTEN

	45°	45°	90°	90°
	1/1 Ø 2,5 mm	1/1 Ø 4,0 mm	1/1 Ø 2,5 mm	1/1 Ø 4,0 mm
	NBB-6	NBB-7	NBB-4	NBB-5

DISSECTORS
DISSEKTOREN

SICKLE KNIFE
SICHELMESSER

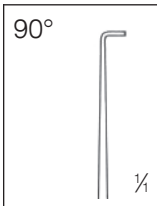
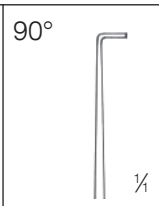
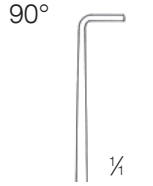
	2 mm	4 mm	3 x 5 mm	
	1/1	1/1	1/1	1/1
UP / AUF	NAZ-6	NBA-1	NBJ-6	NAY-9
DOWN / AB	NAZ-7	NBA-2	–	NAZ-1
RIGHT / RECHTS	NAZ-8	–	NBK-7	NAY-7
LEFT / LINKS	NAZ-9	–	NBL-2	NAY-8



RASPATORIES
RASPATORIEN

	 Ø 2 mm	 Ø 4 mm
UP / AUF	NBB-8	NBC-1
DOWN / AB	NBB-9	NBC-2

NERVE HOOKS
NERVHAKEN

 90° Ø 3 mm	 90° Ø 4 mm	 90° Ø 5 mm
NBA-8	NBA-9	NBB-1

ALL MODELS ALSO AVAILABLE WITH CERAMO SURFACE

ALLE MODELLE AUCH MIT CERAMO-OBER-FLÄCHE ERHÄLTLICH

	 90° 2 mm semi-sharp / halbscharf	 90° 2 mm blunt / stumpf	 45° 3 mm blunt / stumpf	 90° 3 mm blunt / stumpf	 90° 3 mm ballpointed / mit Knopf
UP / AUF	NBH-8	NBH-9	NBJ-1	NBJ-5	NBJ-3
RIGHT / RECHTS	NBJ-7	NBJ-8	NBJ-9	NBK-6	NBK-4
LEFT / LINKS	NBK-1	NBK-2	NBK-3	NBL-1	NBK-8

CERAMO®



260 mm
a = 120 mm

1/1 needle holder / Nadelhalter	0,5 mm	TOR-7
	1,0 mm	TOQ-1
1/1 needle holder / Nadelhalter	0,5 mm	TOR-8
	1,0 mm	TOQ-2
1/1 spoon pliers / Löffelzange	2,0 mm	TOQ-3
	4,0 mm	TOQ-4
60° 1/1 spoon pliers / Löffelzange	2,0 mm	TOQ-5
1/1 scissors / Schere	pointed spitz	TOR-1
	blunt stumpf	TOR-3
1/1 scissors / Schere	pointed spitz	TOR-2
	blunt stumpf	TOR-4
45° 1/1 scissors / Schere	blunt stumpf	TOR-9
	pointed spitz	TOR-0
90° 1/1 scissors / Schere	blunt stumpf	TOQ-0
1/1 forceps / Pinzette	0,5 mm	TOR-5
1/1 forceps / Pinzette	0,5 mm	TOR-6

ROTATABLE SHAFT
DREHBARER SCHAFT



CERAMO®

FOR / FÜR YASARGIL CLIPS

		CLIP ROTATABLE / DREHBAR	
		 ¼	
TOTAL LENGTH GESAMTLÄNGE		230 mm	270 mm
LENGTH a LÄNGE a		80 mm	120 mm
CLIP SIZE CLIP GRÖßE	MINI	TOQ-9	TOQ-7
	STANDARD	TOQ-8	TOQ-6

ROTATABLE SHAFT
DREHBARER SCHAFT



MEMORY

FOR / FÜR YASARGIL CLIPS

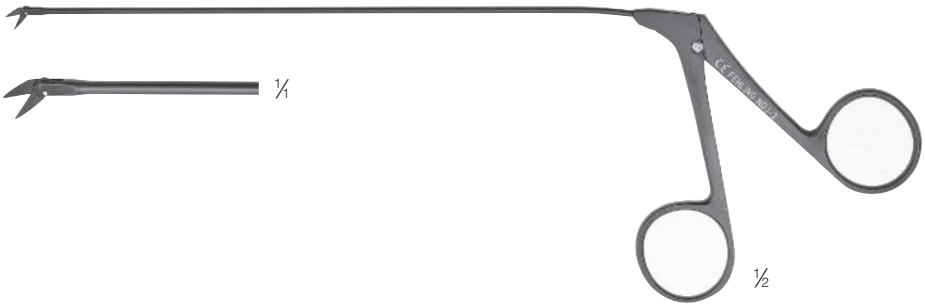
		CLIP FIXED / STARR			CLIP ROTATABLE / DREHBAR		
		 ¼			 ¼		
LENGTH a LÄNGE a		70 mm	90 mm	110 mm	70 mm	90 mm	110 mm
CLIP SIZE CLIP GRÖßE	MINI	NIB-1	NIB-2	NIB-3	NIB-7	NIB-8	NIB-9
	STANDARD	NIC-0	NIC-1	NIB-0	NIB-4	NIB-5	NIB-6

MALLEABLE SHAFT / BIEGBARER SCHAFT

The shafts of MEMORY clip applying forceps are constructed of shape-memory metal. They are malleable in normal O.R. temperatures. Soft pressure allows ”permanent” deformation of shape according to the surgeon’s needs. However in higher temperatures, such as those found in the autoclave, the instruments regain their initial shape.

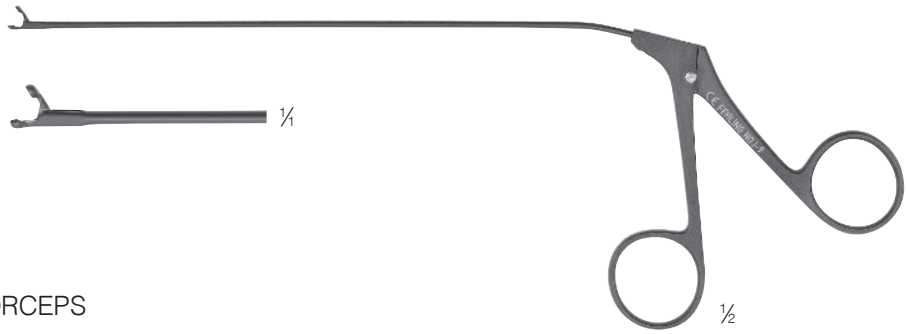
MEMORY Clipanlegezangen haben einen Schaft aus Formgedächtnismetall. Sie sind bei normaler OP-Temperatur biegbar. Sie können durch sanften Druck in die gewünschte Form gebracht werden. Unter höheren Temperaturen, wie bei der Sterilisation, nehmen sie ihre ursprüngliche Form wieder an.

CERAMO® NICOLA



SCISSORS
SCHEREN

	straight / gerade	up / aufwärts	down / abwärts	left / links	right / rechts
160 mm	NOJ-1	NOJ-2	NOJ-3	NOJ-4	NOJ-5
	NBR- 9	–	–	–	–
200 mm	NTF-1	NTF-4	NTF-5	NTF-3	NTF-2
	TOM-6	–	–	TOM-8	TOM-7
	NBS-1	NBS-2	NBS-3	NBS-5	NBS-4
250 mm	NOL-7			NOL-8	NOL-9



GRASPING FORCEPS
FASSZANGEN

	straight / gerade	up / aufwärts	down / abwärts	left / links	right / rechts
160 mm	NOJ-6	NOJ-7	NOJ-8	NOJ-9	NOK-0
	NBR-3	–	–	–	–
180 mm	–	–	–	NOM-0	NOI-9
200 mm	NTF-6	NTF-7	NTF-8	NTF-9	NTG-0
	TOM-1	–	–	–	–
	NBR-4	NBR-5	NBR-6	NBR-8	NBR-7
250 mm	NOK-8	–	–	–	–

TITANIUM / TITAN

UNCOATED / UNBESCHICHTET

CERAMO®

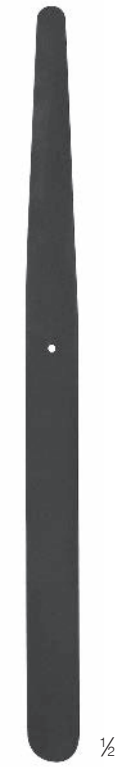


LOWER BLADE SERRATED
UNTERES BLATT GEZAHNT

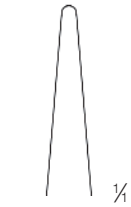
STRONG SCISSORS
STARKE SCHERE
180 mm
NIC-5



NC MICRO SCISSORS
NC MIKROSCHERE
160 mm
BBO-1B



TITANIUM
SPATULA
SPATEL
200 mm



2 x 10 mm
EOC-1



2 x 15 mm
EOC-2



5 x 10 mm
EOC-6



5 x 15 mm
EOC-3



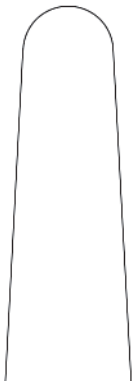
8 x 15 mm
EOC-7



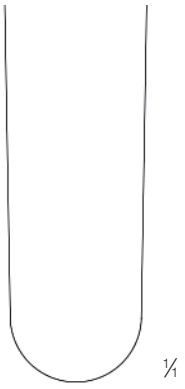
5 x 20 mm
EOC-4

MALLEABLE / BIEGBAR

12 mm



20 mm
EOC-8

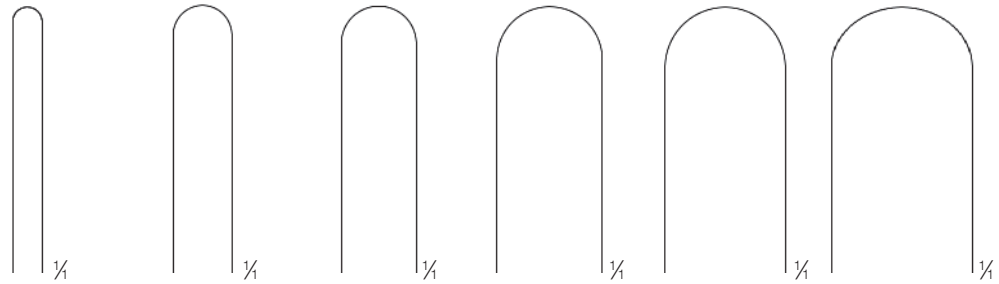


17,5 mm

CERAMO® SUPERPLAST



180 mm



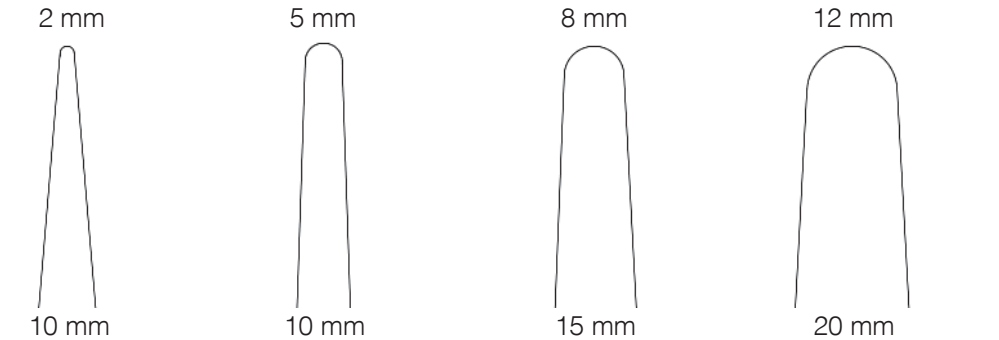
	4 mm	8 mm	10 mm	14 mm	16 mm	19 mm
STANDARD	EOI-1	EOI-2	EOI-3	EOI-4	EOI-5	EOI-9
STRONG STARK	EOI-6	EOI-7	EOI-8	EOK-9	–	–

SUPERPLAST Instruments are constructed of shapememory metal. They are malleable in normal O.R. temperatures. Soft pressure allows ”permanent” deformation of shape according to the surgeon’s needs. However in higher temperatures, such as those found in the autoclave, the instruments regain their initial shape.

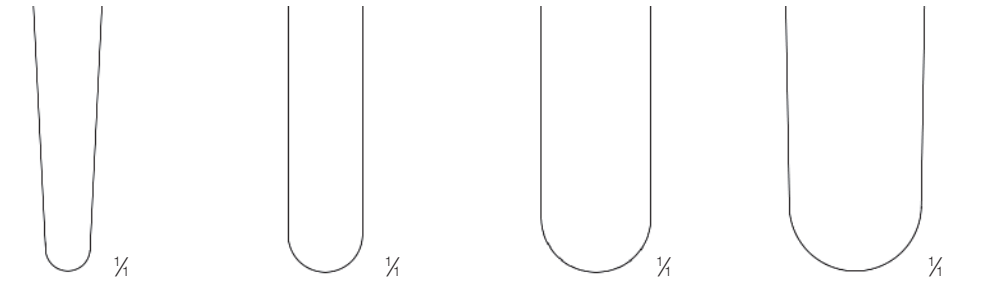
SUPERPLAST Instrumente sind aus Metall mit Formgedächtnis. Sie sind bei normaler OP-Temperatur biegbar. Sie können durch sanften Druck in die gewünschte Form gebracht werden. Unter höheren Temperaturen, wie bei der Sterilisation, nehmen sie ihre ursprüngliche Form wieder an.



180 mm



STANDARD	EOK-1	EOK-2	EOK-3	EOK-4
STRONG STARK	EOK-5	EOK-8	EOK-7	–

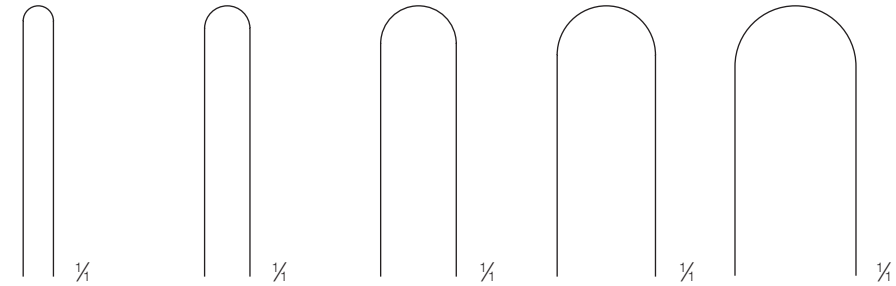


6 mm | 10 mm | 15 mm | 17,5 mm

CERAMO® SUPERPLAST



130 mm
a = 100 mm



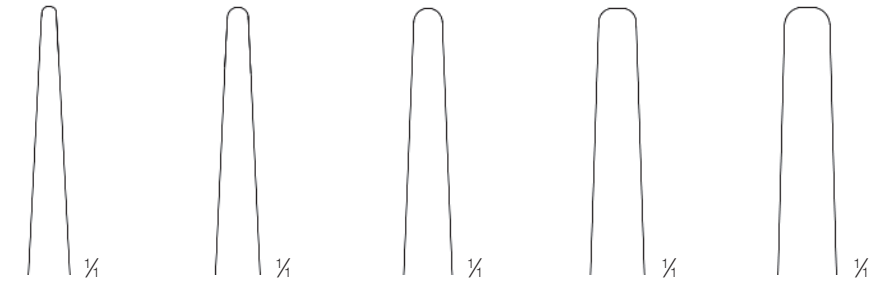
4 mm	6 mm	10 mm	13 mm	16 mm
EOL-1	EOL-2	EOL-3	EOL-4	EOL-5

SUPERPLAST Instruments are constructed of shapememory metal. They are malleable in normal O.R. temperatures. Soft pressure allows "permanent" deformation of shape according to the surgeon's needs. However in higher temperatures, such as those found in the autoclave, the instruments regain their initial shape.

SUPERPLAST Instrumente sind aus Metall mit Formgedächtnis. Sie sind bei normaler OP-Temperatur biegbar. Sie können durch sanften Druck in die gewünschte Form gebracht werden. Unter höheren Temperaturen, wie bei der Sterilisation, nehmen sie ihre ursprüngliche Form wieder an.

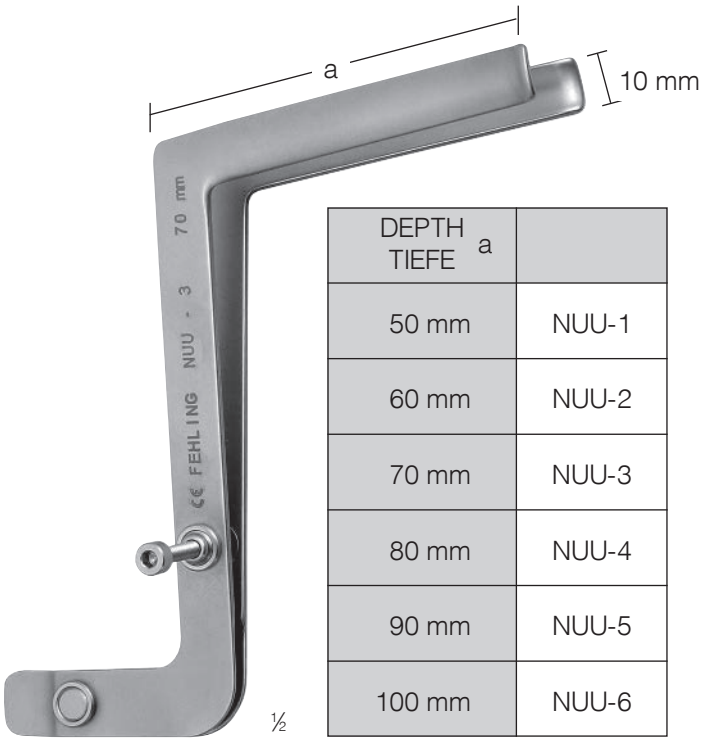


130 mm
a = 100 mm



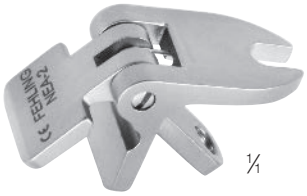
2 x 10 mm	3 x 10 mm	4 x 10 mm	5 x 10 mm	6 x 10 mm
EOM-1	EOM-2	EOM-3	EOM-4	EOM-5

Shafts suitable for all common head rest systems.
Die Schäfte passen in alle gängigen Kopfhaltesysteme.



DEPTH TIEFE a	
50 mm	NUU-1
60 mm	NUU-2
70 mm	NUU-3
80 mm	NUU-4
90 mm	NUU-5
100 mm	NUU-6

PERNECZKY TITANIUM
MICRO RETRACTOR
MIKROSPREIZER



SUPPORT FOR LEYLA-RETRACTOR
SPATELHALTER FÜR LEYLA-RETRAKTOR

NEA-2

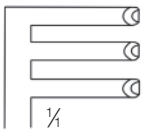


exemplary configuration
Konfigurationsbeispiel



DIETZ
160 mm

ECP-5H



3 x 3 TEETH/ZÄHNE
SEMI-SHARP
HALBSCHARF

CONCEPT

CEREBELLAR RETRACTOR
CEREBELLUM SPREIZER



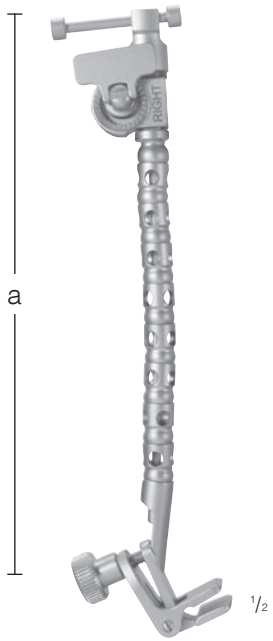
exemplary configuration
Konfigurationsbeispiel



½

BODY
RAHMEN
190 mm

NDN-4



½

FLEXIBLE ARM WITH SPATULA ADAPTER
SPANNARM MIT SPATELHALTER

SEGMENTS GLIEDER	LENGTH LÄNGE a	
7	135 mm	NDO-1
8	145 mm	NDN-6
11	175 mm	NDN-9
15	215 mm	NDO-0

FIND SPATULAS ON PAGE 12 + 13
PASSENDE SPATEL AUF SEITE 12 + 13



½

CERAMO®
TRANSNASAL SPECULUM
TRANSNASALES SPECULUM

70 x 12 mm	NVG-1V
	NVL-1V
80 x 12 mm	NVG-2V
	NVL-2V
90 x 12 mm	NVG-3V
	NVL-3V
100 x 12 mm	NVG-4V
	NVL-4V
110 x 12 mm	NVG-5V
	NVL-5V

TITANIUM / TITAN



½

CERAMO®
HEXAGON WRENCH
FOR SPECULUM
SECHSKANTSCHLÜSSEL
FÜR SPEKULUM

NVG-9



½

with locking screw
mit Stellschraube

KILLIAN
NASAL SPECULUM
NASENSPEKULUM

37 x 7 mm	OAT-9
52 x 7 mm	OAU-1
75 x 7 mm	OAU-2



½

KILLIAN
NASAL SPECULUM
NASENSPEKULUM

36 x 7 mm	OAT-5
56 x 7 mm	OAT-6
75 x 7 mm	OAT-7
90 x 7 mm	OAT-8

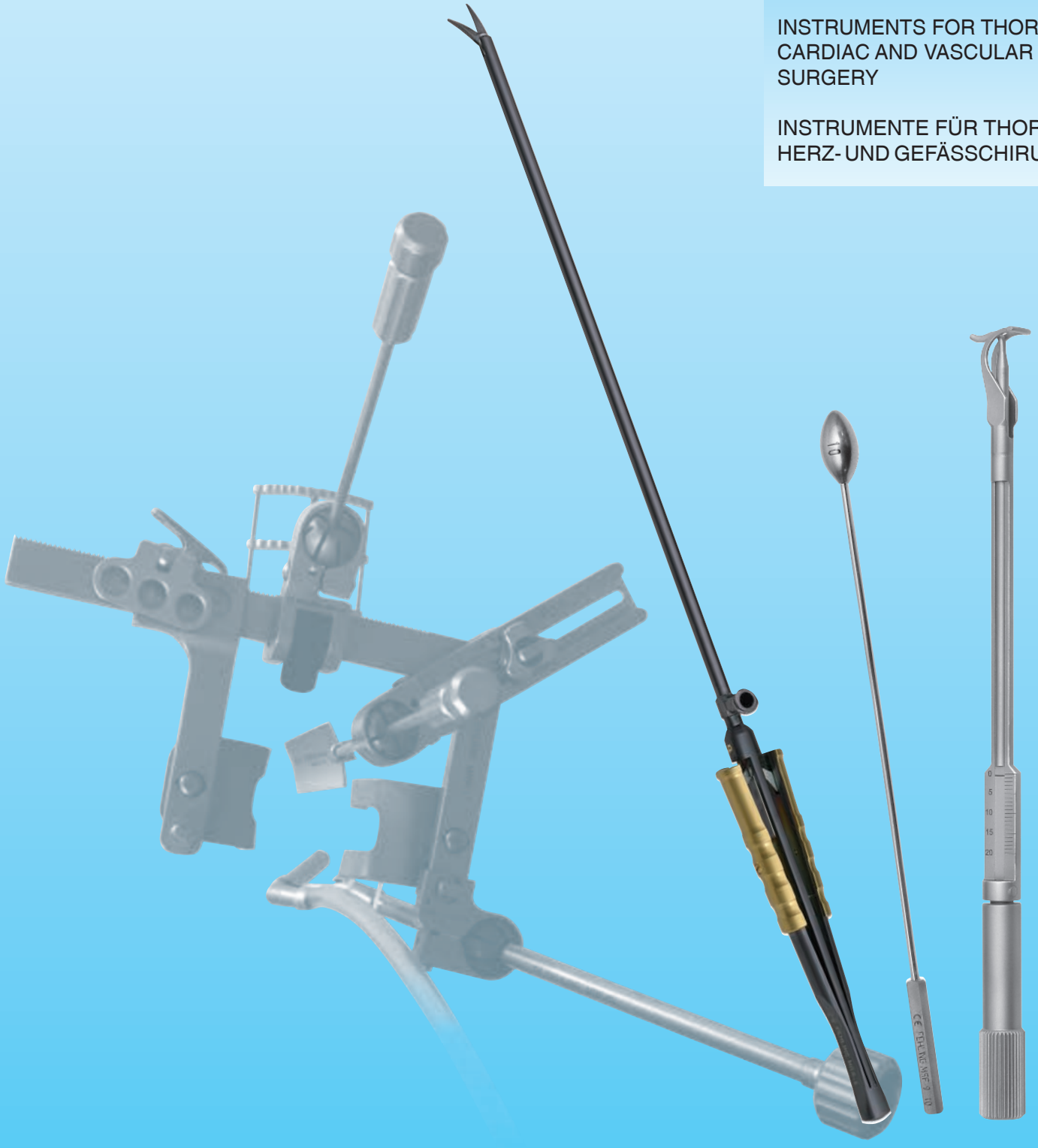
FEHLING...

... THE DIFFERENCE

11

INSTRUMENTS FOR THORACIC, CARDIAC AND VASCULAR SURGERY

INSTRUMENTE FÜR THORAX-, HERZ- UND GEFÄSSCHIRURGIE



FEHLING INSTRUMENTS

Hanauer Landstraße 7A · 63791 Karlstein/Germany · www.fehling-instruments.de

+49 (0) 6188 - 95 74.40 +49 (0) 6188 - 95 74.45 info@fehling-instruments.de

CALAFIORE STERNAL RETAINER
STERNUMOFFENHALTER



½



½



½

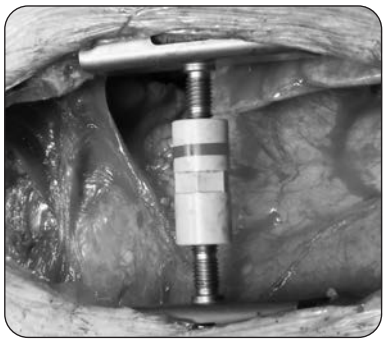

¼


1/16

	STERNUM BLADE STERNUMBLATT		SCREW NUT MUTTER *SINGLE USE* ⊗	FLAT WRENCH GABELSCHLÜSSEL	STORAGE TRAY LAGERUNGS-BEHÄLTER
	LEFT LINKS	RIGHT RECHTS			
NEONATAL	MPC-1L 7 x 30 mm*	MPC-1R 7 x 30 mm*	MPA-5 7 x 30 mm** Ø 8	MPB-1	MPC-0P “PEDIATRIC“
PEDIATRIC	MPB-7L 10 x 18 mm* MPA-2L 10 x 50 mm*	MPB-7R 10 x 18 mm* MPA-2R 10 x 50 mm*	MPA-6 45 x 65 mm** Ø 12	MPB-2	
ADULT	MPA-3L 15 x 70 mm*	MPA-3R 15 x 70 mm*	MPA-9 45 x 65 mm** Ø 16 MPA-7 70 x 90 mm** Ø 16 MPA-8 95 x 115 mm** Ø 16	MPB-3	MPC-0A “ADULT“
ADIPOSIS	MPA-4L 20 x 100 mm*	MPA-4R 20 x 100 mm*			
OSTEOPOROSIS	MPB-5L 15 x 30 mm* MPB-6L 20 x 30 mm*	MPB-5R 15 x 30 mm* MPB-6R 20 x 30 mm*			MPC-0C “CURVED“

**blade size / Blattgröße* ***opening width / Öffnungsweite*

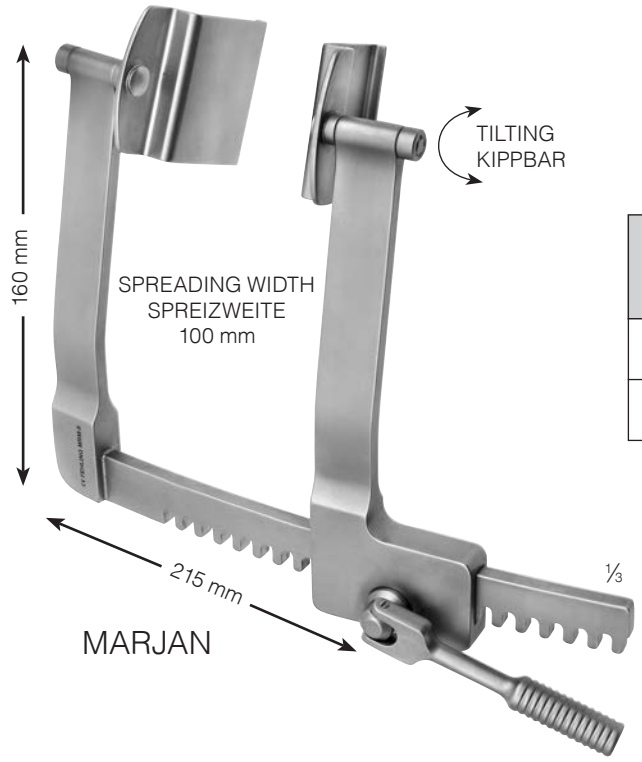




exemplary configuration
Beispielkonfiguration
ADULT - ADIPOSIS

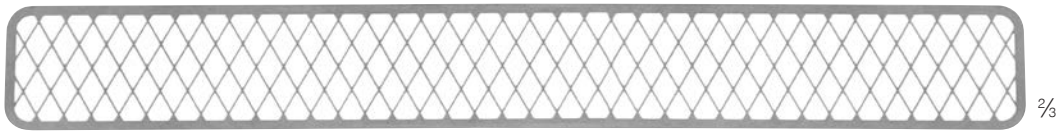


exemplary configuration
Beispielkonfiguration
OSTEOPOROSIS



FOR PARTIAL STERNOTOMY
FÜR PARTIELLE STERNOTOMIE

BLADE SIZE BLATTGRÖSSE a x b	
35 x 50 mm	MRM-5
45 x 50 mm	MRM-6



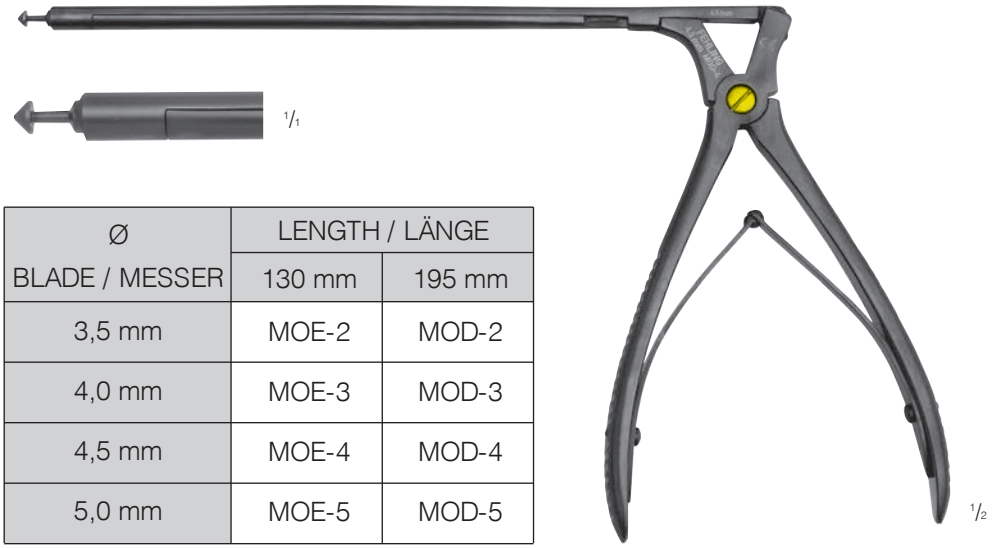
SUPERFLEX
SOFT TISSUE RETRACTOR
WEICHGEWEBERETRAKTOR
200 x 25 mm

MTI-0



STERILISATION AND STORAGE TRAY FOR MTI-0
STERILISIER- UND LAGERSIEB FÜR MTI-0
220 x 51,2 x 19,5 mm

MTK-0



1/1 1/2

Ø BLADE / MESSER	LENGTH / LÄNGE	
	130 mm	195 mm
3,5 mm	MOE-2	MOD-2
4,0 mm	MOE-3	MOD-3
4,5 mm	MOE-4	MOD-4
5,0 mm	MOE-5	MOD-5

CERAMO®
AORTIC PUNCH
AORTENSTANZE



1/2

AORTIC PUNCH
AORTENSTANZE

Ø BLADE / MESSER	LENGTH / LÄNGE	
	120 mm	150 mm
3,0 mm	MKV-1	MKV-2
3,5 mm	MFT-5	MFT-0
4,0 mm	MFT-6	MFT-9
4,5 mm	MFT-1	MMK-2
5,0 mm	MFT-7	MFU-1
6,0 mm	MFT-8	MFU-2



1/2

A & E (PORTER)
SINGLE USE AORTIC PUNCH*
EINMAL-AORTENSTANZE*

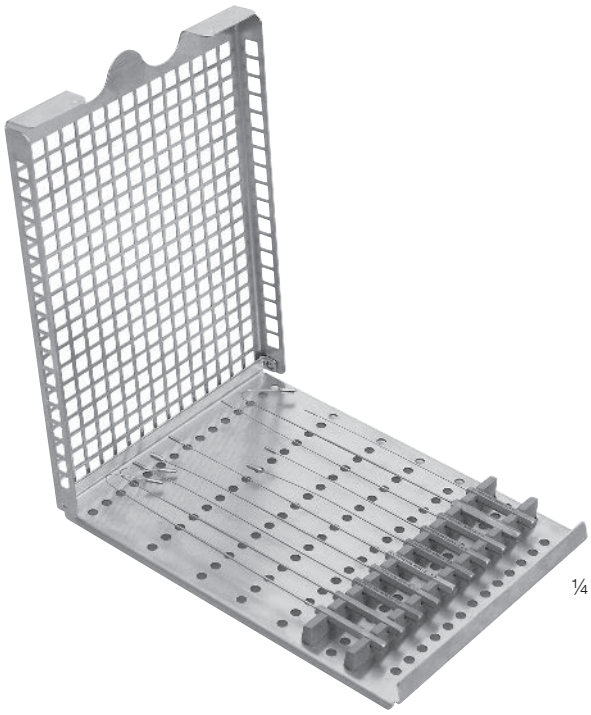
Ø BLADE / MESSER	
2,7 mm	MOH-1
3,5 mm	MOH-2
4,0 mm	MOH-3
4,5 mm	MOH-4
4,8 mm	MOH-7
5,0 mm	MOH-5

* limited distribution territory
eingeschränktes Vertriebsrecht



½

SUPERPLAST	LENGTH / LÄNGE		
Ø OLIVE	140 mm	180 mm	210 mm
0,5 mm	MNG-0	MNH-0	–
0,75 mm	–	MNK-7	–
1,0 mm	MNG-1	MNH-1	MIH-1
1,25 mm	MNK-3	MNK-5	–
1,5 mm	MNG-2	MNH-2	MIH-2
1,75 mm	MNK-4	MNK-6	–
2,0 mm	MNG-3	MNH-3	MIH-3
2,25 mm	MNK-8	MNK-9	–
2,5 mm	MNG-4	MNH-4	MIH-4
3,0 mm	MNG-5	MNH-5	MIH-5
3,5 mm	MNG-6	MNH-6	MIH-6
4,0 mm	MNG-7	MNH-7	MIH-7
4,5 mm	MNG-8	MNH-8	MIH-8
5,0 mm	MNG-9	MNH-9	MIH-9



¼

TRAY FOR VASCULAR PROBES
BOX FÜR GEFÄSSSONDEN

OLIVE Ø max. 5 mm
160 x 210 x 17 mm

MNA-0

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

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

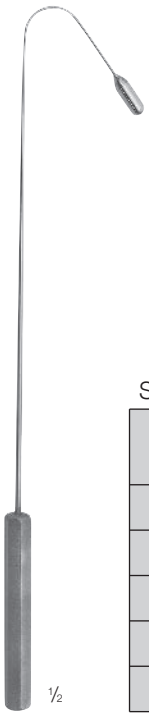
SUPERFLEX instruments are constructed of shape-memory metal. This metal has unique qualities under different thermal conditions. The instruments are super-elastic in normal OR temperatures. Their shape conforms to soft external pressure, yet the instruments regain their normal shape once the pressure is removed. No long-term alteration of shape is possible.

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



½

SUPERFLEX	LENGTH / LÄNGE	
Ø OLIVE	140 mm	180 mm
1,0 mm	MNA-1	MNC-1
1,5 mm	MNA-2	MNC-2
2,0 mm	MNA-3	MNC-3
2,5 mm	MNA-4	MNC-4
3,0 mm	MNA-5	MNC-5



½

SUPERFLEX	LENGTH / LÄNGE	
Ø OLIVE	140 mm	180 mm
1,0 mm	MNB-1	MND-1
1,5 mm	MNB-2	MND-2
2,0 mm	MNB-3	MND-3
2,5 mm	MNB-4	MND-4
3,0 mm	MNB-5	MND-5

SUPERPLAST



AORTIC SIZER
AORTENLEHRE
300 mm

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

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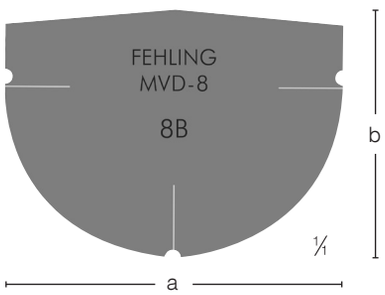
for mitral valve repair techniques
without prosthetic ring
für Mitralklappenrekonstruktion
ohne Ringprothese

HETZER
CROSS-SECTION SIZER
QUERSCHNITTSLEHRE
220 mm

Ø A / B	
14 / 16 mm	MNW-7
18 / 20 mm	MNW-1
22 / 24 mm	MNW-2
26 / 28 mm	MNW-3
30 / 32 mm	MNW-4
34 / 36 mm	MNW-5
38 / 40 mm	MNW-6

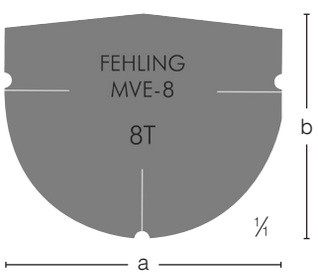
Ø A / B	
7 / 9 mm	MNZ-0
8 / 10 mm	MNZ-6
11 / 13 mm	MNZ-7
12 / 14 mm	MNZ-2
15 / 17 mm	MNZ-8
16 / 18 mm	MNZ-3
19 / 21 mm	MNZ-9
20 / 22 mm	MNZ-4
24 / 26 mm	MNZ-5
28 / 30 mm	MNY-9

SUPERPLAST AV-CUSP GAUGE
AK-SEGELIMPLANTAT-LEHRE



BIKUSPID

SIZE GRÖSSE	WIDTH x HEIGHT BREITE x HÖHE a x b	
1B	25 x 20 mm	MVD-1
2B	28 x 22 mm	MVD-2
3B	31 x 24 mm	MVD-3
4B	34 x 26 mm	MVD-4
5B	37 x 28 mm	MVD-5
6B	40 x 30 mm	MVD-6
7B	43 x 32 mm	MVD-7
8B	46 x 34 mm	MVD-8
9B	49 x 36 mm	MVD-9

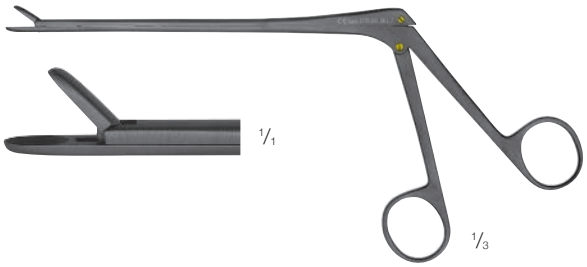


TRIKUSPID

SIZE GRÖSSE	WIDTH x HEIGHT BREITE x HÖHE a x b	
0T	18 x 18 mm	MVE-0
1T	19 x 20 mm	MVE-1
2T	22 x 22 mm	MVE-2
3T	25 x 24 mm	MVE-3
4T	28 x 26 mm	MVE-4
5T	31 x 28 mm	MVE-5
6T	34 x 30 mm	MVE-6
7T	37 x 32 mm	MVE-7
8T	40 x 34 mm	MVE-8
9T	43 x 36 mm	MVE-9

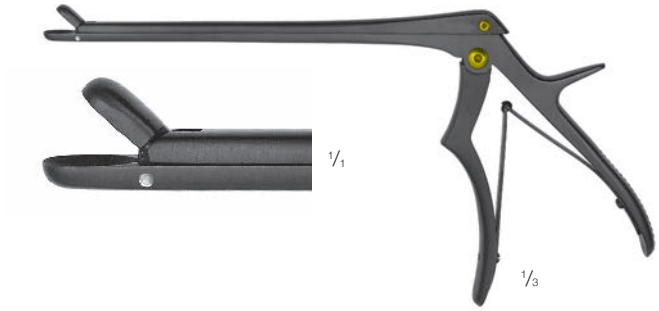
SUPERPLAST instruments are constructed of shape-memory metal. This metal has unique qualities under different thermal conditions. The instruments are malleable in normal OR temperatures. Soft pressure allows "permanent" deformation of shape according to the surgeon's needs. However in higher temperature,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

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



CERAMO® GRUMME RONGEUR

WIDTH BREITE mm	LENGTH LÄNGE mm	1/3	30° 1/3
2,0	160	NLT-2	NLT-6
	180	NLU-2	NLU-6
3,0	160	NLT-3	NLT-7
	180	NLU-3	NLU-7
4,0	160	NLT-4	NLT-8
	180	NLU-4	NLU-8
5,0	160	NLT-5	NLZ-9
	180	NLU-5	NLU-9



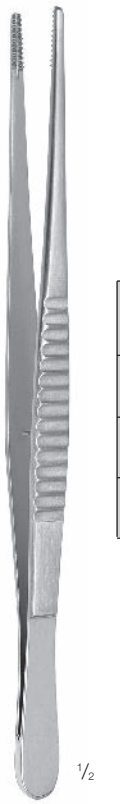
CERAMO® FERRIS-SMITH RONGEUR

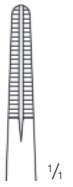
WIDTH BREITE mm	LENGTH LÄNGE mm	1/3	30° 1/3
3,0	200	TOG-1	TOH-1
4,0	200	TOG-2	TOH-2
5,0	200	TOG-3	TOH-3



COMB CLAMP
KAMMKLEMME
160 mm

DDA-2





LENGTH LÄNGE	2,5 mm
200 mm	CDP-5
230 mm	CDP-2
250 mm	CDP-3

NON-TRAUMATIC
VALVE FORCEPS
ATRAUMATISCHE
KLAPPENPINZETTE



RETRACTOR FOR AV-EXPOSURE
RETRAKTOR FÜR AK-EXPOSITION
180 mm

MSB-0



TC WIRE TWISTING FORCEPS, STRONG
TC DRAHTSPANNZANGE, STARK
180 mm
KAJ-5



TC WIRE CUTTING FORCEPS
TC DRAHTKNEIFZANGE
175 mm
LAF-1



STERNUMWIRE CUTTER
STERNUMDRAHTZANGE
155 mm
LGJ-5



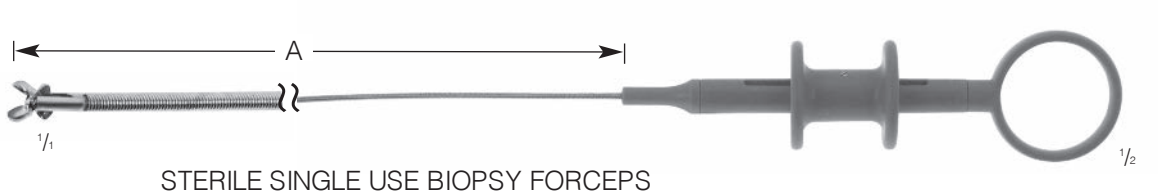
AORTIC DEAIRING CANNULA
AORTEN-ENTLÜFTUNGSKANÜLE

MBR-2



SUTURE HOOK
FADENFÄNGER

	1/1 1,2 mm	1/1 1,5 mm	1/1 2,0 mm	1/1 2,5 mm	1/1 3,0 mm
120 mm	–	KAA-5	–	–	–
150 mm	–	KCC-1	–	–	–
200 mm	KAB-0	–	–	–	–
220 mm	–	–	–	KCB-8	–
260 mm	KAA-4	KAA-6	KAA-7	KCA-7	KAA-8
280 mm	–	–	–	KCB-9	–

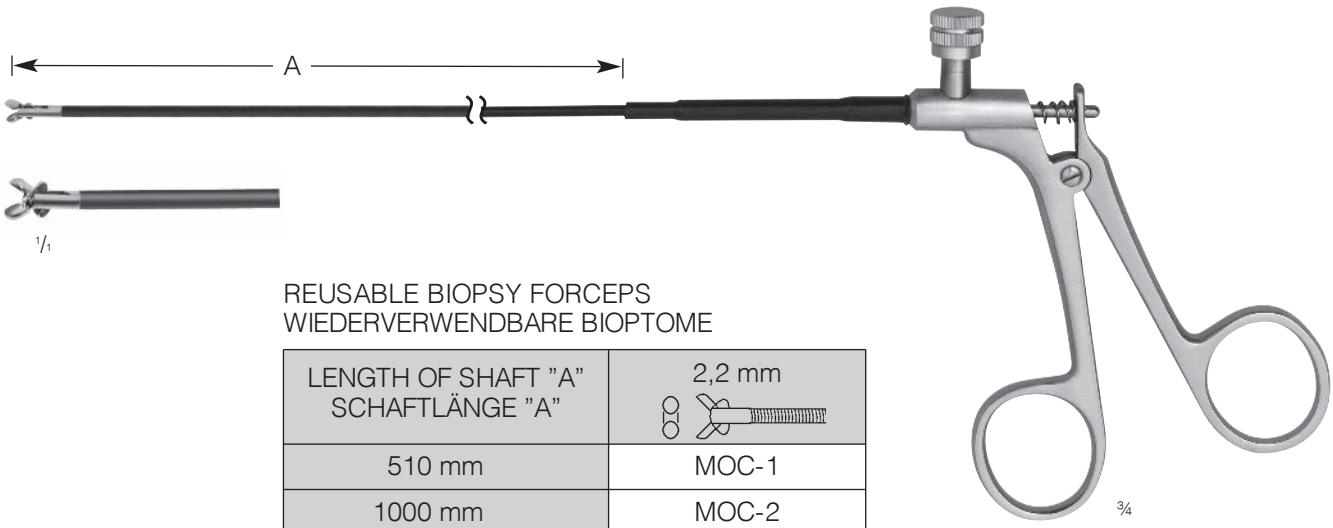


STERILE SINGLE USE BIOPSY FORCEPS
STERILE EINMALBIOPTOME

LENGTH OF SHAFT "A" SCHAFTLÄNGE "A"	1,6 mm	1,8 mm	2,2 mm
510 mm	MOA-1	MOA-5	MOA-9
800 mm	MOA-2	MOA-6	–
1000 mm	MOA-3	MOA-7	–
1200 mm	MOA-4	MOA-8	MOB-1

SOFT SHAFT
WEICHER SCHAFT

510 mm	–	MOB-4	–
1200 mm	–	MOB-5	–



REUSABLE BIOPSY FORCEPS
WIEDERVERWENDBARE BIOPTOME

LENGTH OF SHAFT "A" SCHAFTLÄNGE "A"	2,2 mm
510 mm	MOC-1
1000 mm	MOC-2
1200 mm	MOC-3



CHORDAE
GAUGE AND KNOT ASSISTANT
CHORDAE
LEHRE UND KNOTENASSISTENT

230 mm	350 mm
MNV-4	MNV-7



CHORDAE
TYING AND MEASUREMENT ASSISTANT
CHORDAE
MESS- UND KNOTENASSISTENT

240 mm
MNV-1



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

240 mm	350 mm
MNV-6	MNV-8



TROCAR WITH PYRAMIDAL TIP
TROKAR MIT DREIKANTSPITZE
10 x 180 mm

MRM-7



PORT WITH FIXATION THREAD
PORT MIT FIXIERGEWINDE
10 x 100 mm

MRM-9



PORT, PLANE
PORT, GLATT
10 x 100 mm

MRM-8

CERAMO® HCR



FORCEPS / PINZETTEN



1 x 10 mm



3 x 15 mm



1,5 x 11 mm



1,5 x 11 mm



2,8 x 15 mm



2,8 x 15 mm



SUTURE NAHT	VALVE KLAPPE	NON-TRAUMATIC ATRAUMATISCH						RUSSIAN RUSSISCH
345 mm	350 mm	280 mm	350 mm	350 mm	280 mm	350 mm	350 mm	350 mm
MRA-5	MRA-0 MRQ-3 [1)]	MSO-6	MRG-6	MRG-7	MRN-0 MRN-OB [1)]	MRA-3 MRA-3B [1)]	MRA-4	MRQ-5

1) WITH LOCK
MIT SPERRE

NEEDLE HOLDERS / NADELHALTER (WITH LOCK / MIT SPERRE)



2 x 10 mm
max. 5x0



3 x 10 mm
max. 3x0



3 x 10 mm
max. 2x0



3 x 10 mm
max. 2x0



1,5 mm
max. 5x0

TCM			TC				TC RYDER
340 mm	280 mm	340 mm	280 mm	340 mm	280 mm	350 mm	350 mm
MRB-2	MRG-8	MRB-1	MRT-6	MRG-9	MSO-5	MRG-2	MSO-1

max. suture size
max. Fadenstärke

SCISSORS / SCHEREN













VALVE KLAPPE								
350 mm	350 mm	350 mm	280 mm	350 mm	450 mm	280 mm	350 mm	350 mm
MRA-7	MRT-2	MRT-3	MSO-3	MRD-7	MRD-7L	MSO-4	MRT-5	MSO-8



BLUNT/STUMPF







VASCULAR GEFÄSS			DISSECTING PRÄPARATION	
345 mm	345 mm	335 mm	280 mm	350 mm
MRA-8B	MRA-8	MRA-9	MRQ-0	MRA-6

SHAFT DIAMETER = 5.0 mm
SCHAFTDURCHMESSER = 5,0 mm

CERAMO® HCR





5 x 30 mm

NON-TRAUMATIC GRASPING FORCEPS ATRAUMATISCHE ORGANFASSZANGE
370 mm
MRL-8 MRL-8L[1]



KNOT PUSHER KNOTENSCHIEBER	
280 mm	340 mm
MRQ-2	MRB-6 MRB-6B[1]

NO CERAMO®
KEIN CERAMO®



CLIP APPLYER[2] CLIPANLEGEZANGE	
370 mm	370 mm
SMALL	MEDIUM
MRG-3T	MRG-4T





1 x 7 mm

NERV HOOK NERVHAKEN	
280 mm	340 mm
MRQ-1	MRB-4



SCALPEL HANDLE[3] SKALPELLGRIFF
350 mm
MRL-4



KNOT PUSHER KNOTENSCHIEBER
340 mm
MRK-9P



10 mm

VALVE INSPECTOR KLAPPENPRÜFINSTR.
350 mm
MRL-2

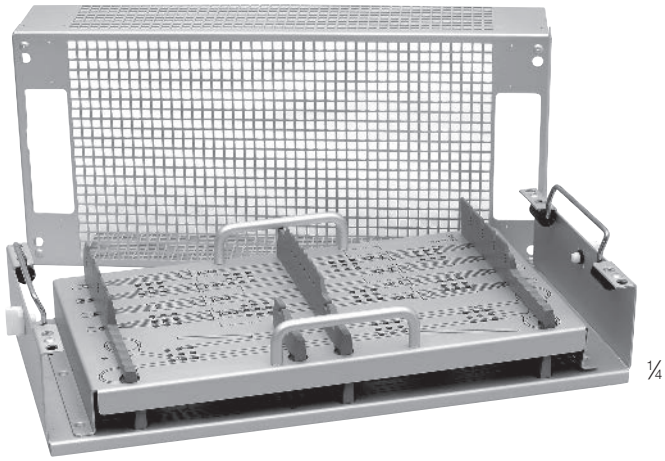


MAGNETIC FINDER MAGNETSTAB
350 mm
MRL-5



MIRROR SPIEGEL
360 mm
MRQ-6

3) FOR BEAVER BLADES
FÜR BEAVER MESSER



TRAY FOR HCR INSTRUMENTS
CONTAINER FÜR HCR-INSTRUMENTE
550 x 250 x 100 mm

MRC-9

1) WITH LOCK
MIT SPERRE

2) FOR / FÜR
ETHICON + HORIZON CLIPS

CERAMO® HCR



FORCEPS / PINZETTEN

 1,2 x 8 mm	 1,2 x 15 mm	 1,2 x 12 mm	 1,4 x 12 mm
SUTURE NAHT	NON-TRAUMATIC ATRAUMATISCH		
280 mm	290 mm	280 mm	280 mm
MRC-1	MRC-2	MRC-3	MRC-0

TCM NEEDLE HOLDERS / TCM NADELHALTER

 1 x 10 mm ***max. 6x0***	 2 x 10 mm ***max. 5x0***
280 mm	280 mm
MRC-5	MRC-4

max. suture size
max. Fadenstärke

SCHEREN / SCISSORS

		 7 mm	
VASCULAR GEFÄSS			DISSECTING PRÄPARATION
280 mm	280 mm	280 mm	280 mm
MRC-7	MRC-8	MRM-0	MRC-6

SHAFT DIAMETER = 3.5 mm
SCHAFTDURCHMESSER = 3,5 mm

NON-TRAUMATIC FORCEPS
ATRAUMATISCHE KLEMMEN



1/1

4,5 x 70 mm

1/3

HCR
290 mm

MRB-0V



1/1

4,5 x 50 mm

1/3

HCR
330 mm

MRA-2V



1/1

1/3

340 mm

MAQ-8



1/1

4,6 x 80 mm

1/3

HCR
360 mm

MRA-1V



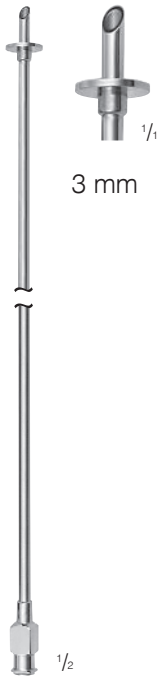
1/3

SATINSKY
350 mm

MBF-0



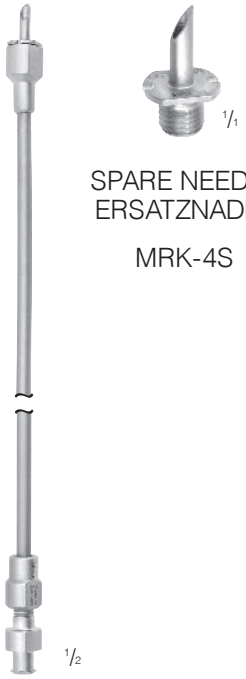
1/1



3 mm

CARDIOPLEGIA CANNULA
KARDIOPLEGIEKANÜLE
270 mm

MRL-0



SPARE NEEDLE
ERSATZNADEL

MRK-4S

CARDIOPLEGIA CANNULA*
KARDIOPLEGIEKANÜLE*
270 mm

MRK-4

* detachable LL-Adapter
* LL-Anschluss abnehmbar



WRENCH FOR
DETACHABLE LL-ADAPTER
SCHLÜSSEL FÜR
ABNEHMBAREN LL-ANSCHLUSS

MRK-6



1,6 mm

SUTURE HOOK
FADENFÄNGER
350 mm

KCC-0



CERAMO®
HANDLE FOR KCC-0
GRIFF FÜR KCC-0
110 mm

ABB-1



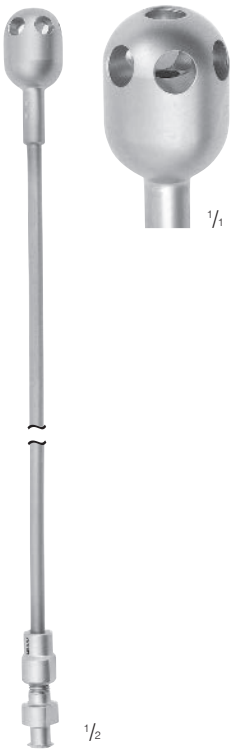
TROCAR SLEEVE
FOR KCC-0
TROKARHÜLSE
FÜR KCC-0
240 mm



2,6 mm
POINTED
SCHARF
KDD-0



2,6 mm
BLUNT
STUMPF
KDD-0B

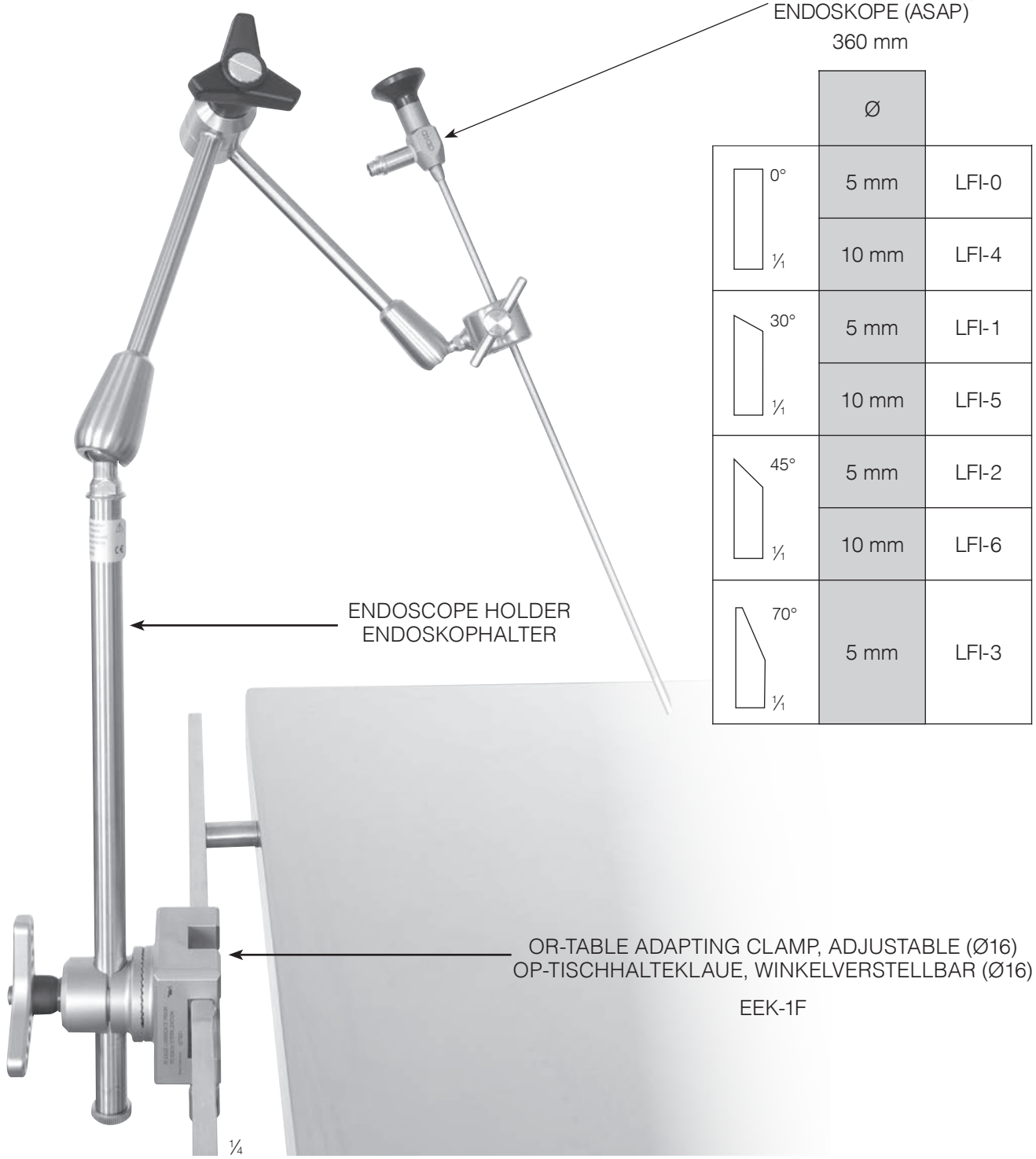


SUMP ASPIRATOR*
SUMPFSAUGER*
270 mm

MRK-5

* detachable LL-Adapter
* LL-Anschluss abnehmbar

CONCEPT MICS ENDOSCOPE HOLDING SYSTEM
MICS ENDOSKOPHALTESYSTEM



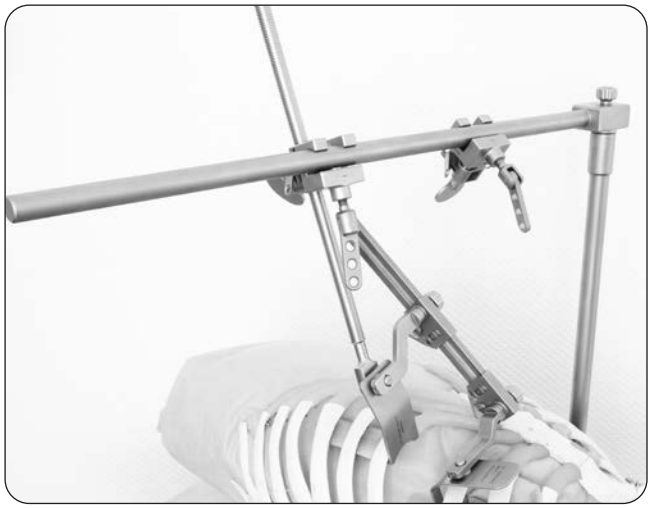
	Ø	
0° ⅟₁	5 mm	LFI-0
	10 mm	LFI-4
30° ⅟₁	5 mm	LFI-1
	10 mm	LFI-5
45° ⅟₁	5 mm	LFI-2
	10 mm	LFI-6
70° ⅟₁	5 mm	LFI-3

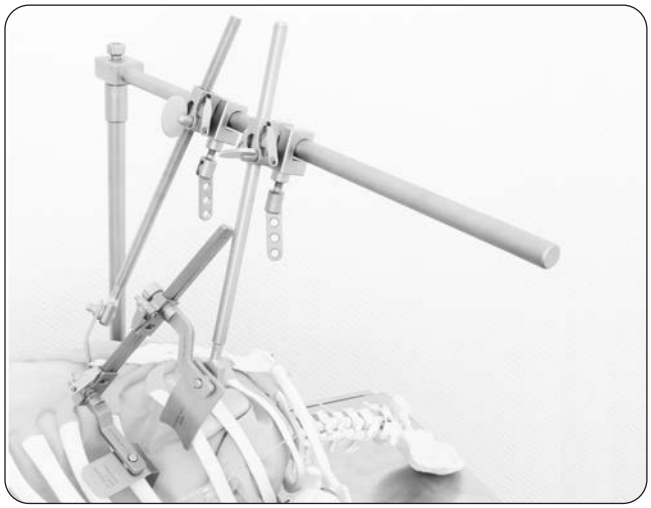
INSTRUMENT ATTACHMENT
INSTRUMENTEN-HALTERUNG
WITHOUT SOCKET/OHNE SOCKEL
843 mm

EEP-7

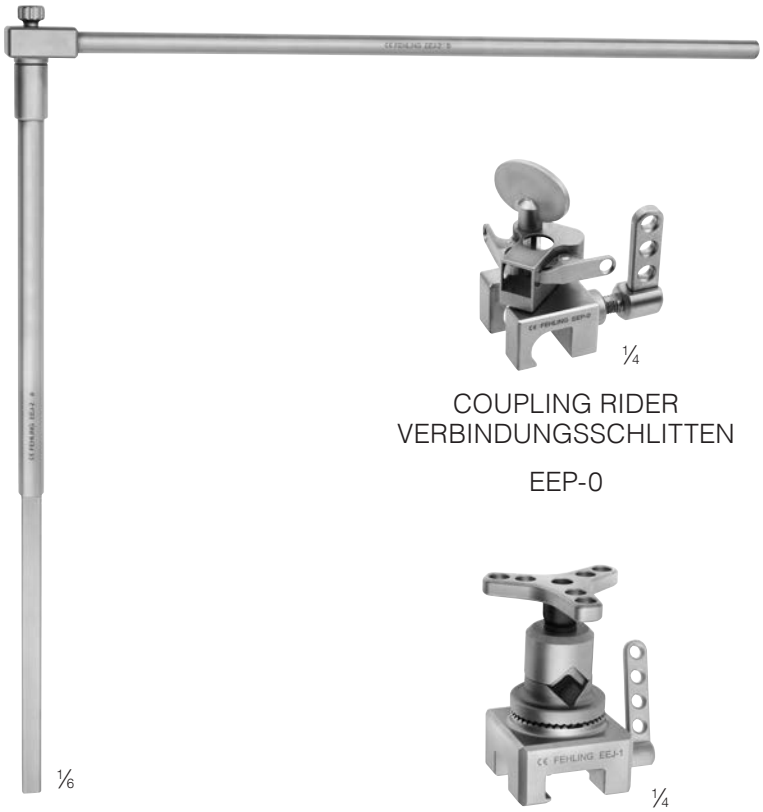
appropriate for instruments with round profile
geeignet für Instrumente mit rundem Profil
(Ø 4 - 18 mm)

MIDCAB/IMA RETRACTOR
MIDCAB/IMA SPREIZER





exemplary configuration
Beispielkonfiguration



1/6

ANGULATED ROD
WINKELSTAB
16 x 16 x 1000 x 600 mm

EEJ-2 (a,b,c)

1/4

COUPLING RIDER
VERBINDUNGSSCHLITTEN

EEP-0

1/4

OR-TABLE ADAPTING CLAMP
ANGLE ADJUSTABLE (16 x 16 mm)
OP-TISCH HALTEKLAUE
WINKELVERSTELLBAR (16 x 16 mm)

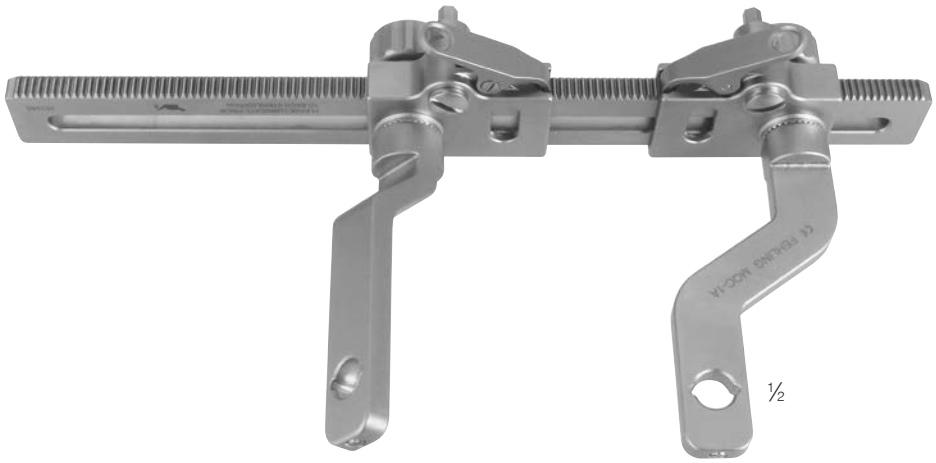
EEJ-1



1/4

BLADE GUIDE
HAKENFÜHRUNG
300 mm

EEL-4F



IMA RETRACTOR, COMPLETE WITH TWO ROTATABLE ARMS
IMA SPREIZER, KOMPLETT MIT ZWEI DREHBAREN ARMEN

MQC-1I
(consisting of / bestehend aus: MQC-1, MQC-1A, MQC-1B)



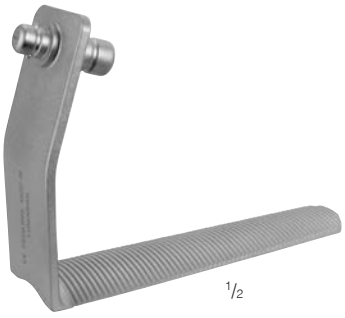
IMA COUNTERBLADE
IMA GEGENBLATT

BLADE SIZE BLATTGRÖßE	
40 x 35 x 60 mm	MQF-1
50 x 35 x 60 mm	MQF-2



XIPHOID BLADE
XIHPOID BLATT

BLADE SIZE BLATTGRÖßE	
40 x 30 x 20 mm	MQE-3I
40 x 45 x 20 mm	MQE-2I
40 x 60 x 20 mm	MQE-1I



IMA BLADE
IMA BLATT

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



CARDAN SCREWDRIVER
KARDAN SCHRAUBENDREHER

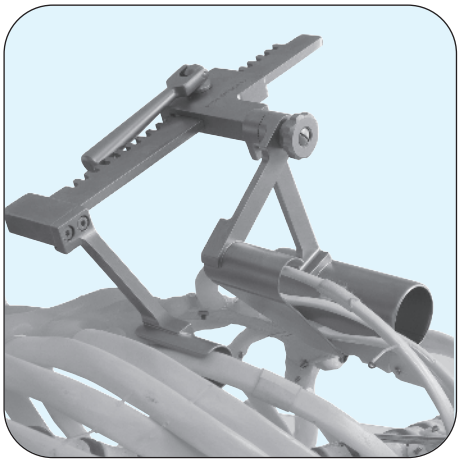
LMT-4



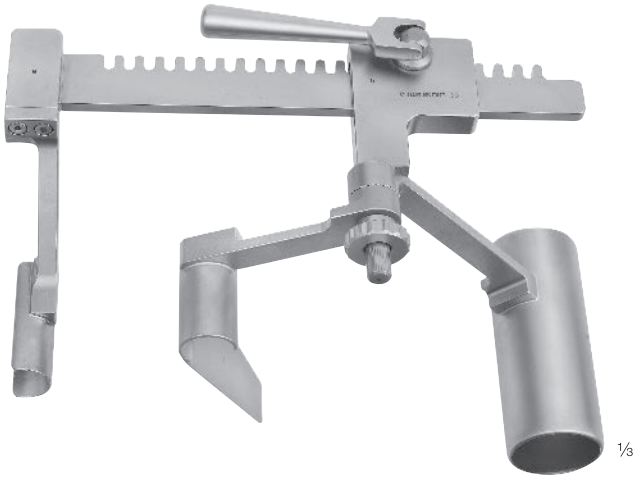
CERAMO®
HEXAGONAL WRENCH
SECHSKANTSCHLÜSSEL

NVG-9

CTS



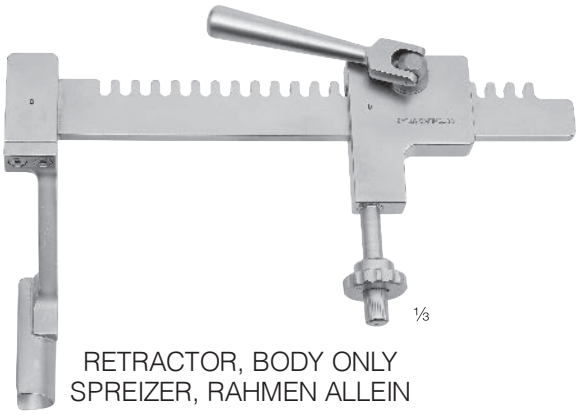
exemplary configuration
Konfigurationsbeispiel



MICS IMA RETRACTOR, COMPLETE
MICS IMA-SPREIZER, KOMPLETT

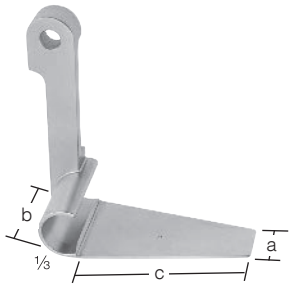
MTU-3

COMPONENTS INCLUDED IN MTU-3:
IN MTU-3 ENTHALTENE BESTANDTEILE:



RETRACTOR, BODY ONLY
SPREIZER, RAHMEN ALLEIN

MTU-3(a)



IMA-BLADE
IMA BLATT

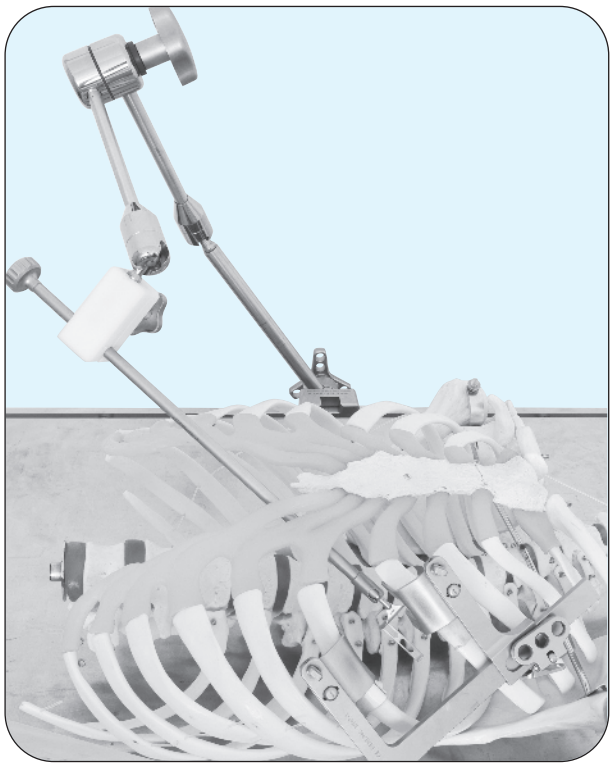
a x b x c	
18 x 40 x 72 mm	MTU-3(f1)
20 x 45 x 80 mm	MTU-3(f2)
22 x 50 x 88 mm	MTU-3(f3)

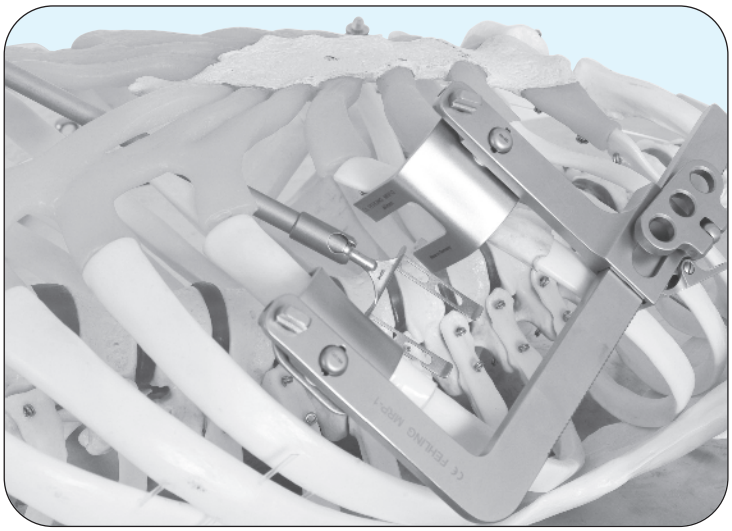


LEVER ARM
HEBELARM

a	
70 mm	MTU-3(g1)
100 mm	MTU-3(g2)

MYOCARDIAL MUSCLE STABILIZER
HERZMUSKELSTABILISATOR





exemplary configuration
Konfigurationsbeispiel



½

BLADE GUIDE (Ø8)
HAKENFÜHRUNG (Ø8)
300 mm

MTI-1



1/1

GUIDING PROBE
FÜHRUNGSSONDE

MTI-2V



1/1

MYOCARDIAL MUSCLE STABILIZER 90°
HERZMUSKELSTABILISATOR 90°

MRJ-9V

REQUIRED ACCESSORY FOR TABLE-FIXATION (see page 11/17) ERFORDERLICHES ZUBEHÖR FÜR TISCHFIXIERUNG (siehe Seite 11/17)	CONCEPT INSTRUMENT ATTACHMENT CONCEPT INSTRUMENTEN-HALTERUNG	OR-TABLE ADAPTING CLAMP OP-TISCHHALTEKLAUE
	EEP-7	EEK-1F

SCHÄFERS



LARGE
GROSS

MSS-1V



MEDIUM
MITTEL

MSS-3

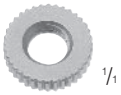


SMALL
KLEIN

MSS-2V

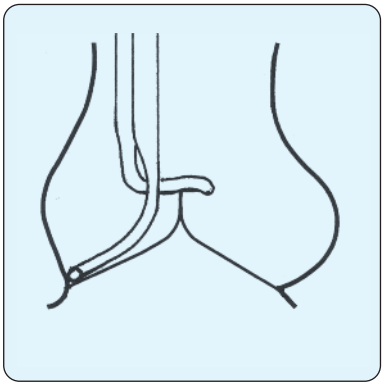


CALLIPER FOR
AORTIC VALVE CUSP
LEHRE FÜR
AORTENKLAPPENSEGEL
200 mm



LOCK NUT FOR MSS-*
KONTERMUTTER FÜR MSS-*
ZDS-6

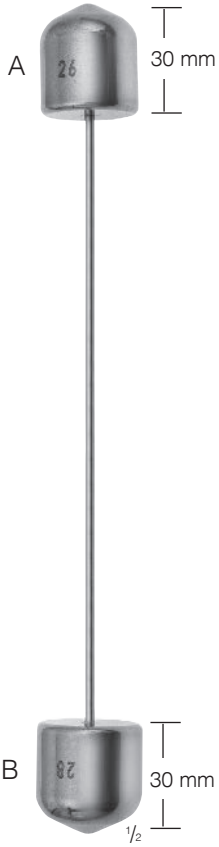
optional – for fixation of the measuring
optional – zur Fixierung der Messung





RULER
MESSSTAB
160 mm

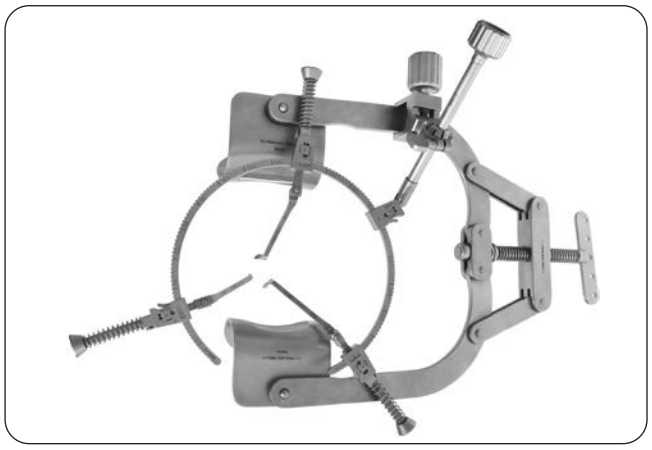
MNV-0



SUPERPLAST
CROSS-SECTION SIZER
QUERSCHNITTSLEHRE
220 mm

Ø A / B	
18 / 20 mm	MNX-1
19 / 21 mm	MNX-6
22 / 24 mm	MNX-2
23 / 25 mm	MNX-7
26 / 28 mm	MNX-3
27 / 29 mm	MNX-8
30 / 32 mm	MNX-4
31 / 33 mm	MNX-9
34 / 36 mm	MNX-5
17 / 35 mm	MNX-0

SCHÄFERS



exemplary configuration
Konfigurationsbeispiel



½

AVR RETRACTOR / BODY ONLY
AKR-SPREIZER / RAHMEN ALLEIN
Ø 140 mm

MRW-1G



½

COUPLING RIDER FOR RETRACTING BLADES
FIXIERSCHLITTEN FÜR HALTEBLÄTTER

MRW-7



½

COUPLING RIDER WITH
CONNECTION BALL
KONNEKTORSCHLITTEN

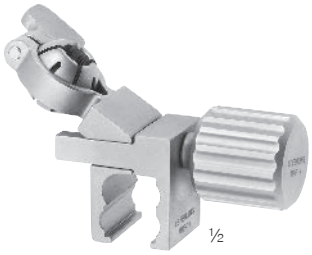
MRW-6



½

RETRACTING BLADES
HALTEBLÄTTER

BLADE DEPTH BLATTTIEFE	
70 mm	MRW-2G
85 mm	MRW-3G
100 mm	MRW-4G
115 mm	MRW-5G



½

BALL JOINT ADAPTER (Ø8)
KUGELADAPTER (Ø8)

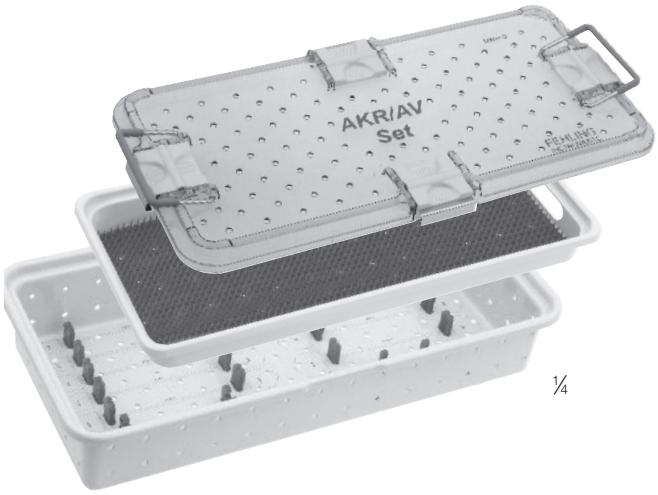
MRF-1V



½

BLADE GUIDE (Ø8)
HAKENFÜHRUNG (Ø8)
120 mm

MRI-0



¼

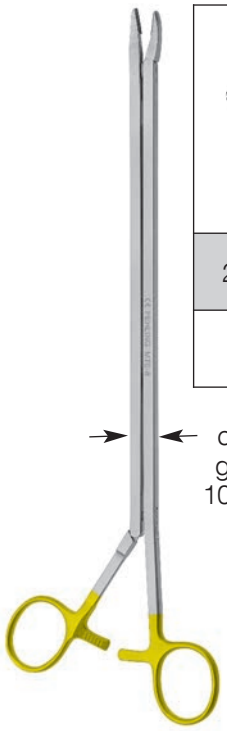
AVR STERILISATION AND STORAGE TRAY
AKR STERILISIER- UND LAGERCONTAINER
530 x 250 x 100 mm

MRW-0

MITHOS

INSTRUMENTS FOR MINIMALLY INVASIVE THORACIC SURGERY
INSTRUMENTE FÜR MINIMALINVASIVE THORAXCHIRURGIE

TC NEEDLEHOLDERS / TC NADELHALTER

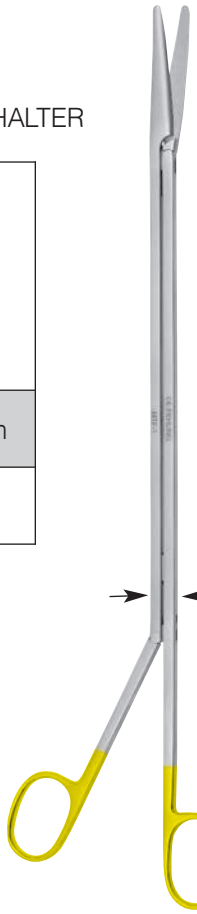


3 mm	4 mm	4 mm
285 mm	285 mm	340 mm
MTE-9	MTE-8	MTF-5

closed/open
geschl./offen
10 mm/12 mm

⅓

SCISSORS / SCHEREN

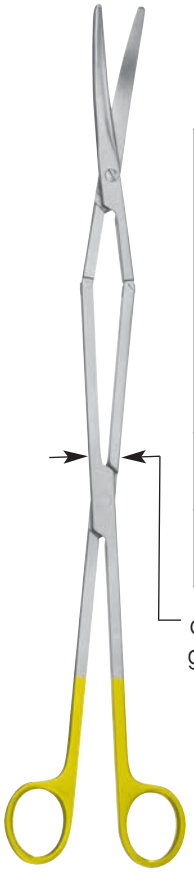


½	½	
290 mm	355 mm	360 mm
MTF-8	MTF-7	MTF-1

closed/open
geschl./offen
10 mm/12 mm

⅓

SCISSORS / SCHEREN
DOUBLE ACTION / BEIDSEITIG ÖFFNEND

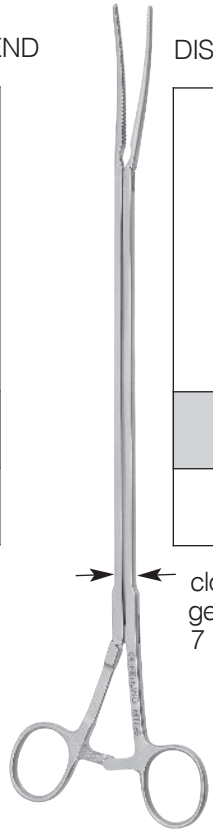


½	½
365 mm	360 mm
MTF-2	MTF-6

closed/open (max.)
geschl./offen (max.)
11 mm/30 mm

⅓

DISSECTING CLAMP / DISSEKTIONSKLEMME



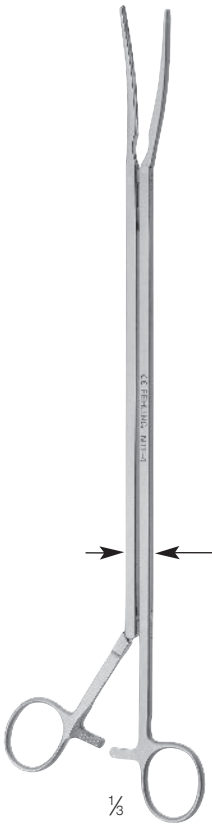
½
330 mm
MTE-6

closed/open
geschl./offen
7 mm/8 mm

⅓

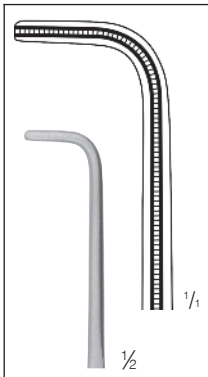
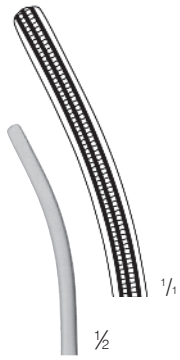
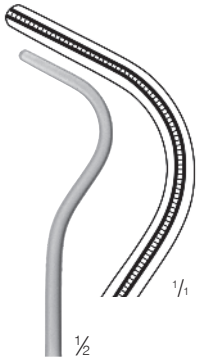
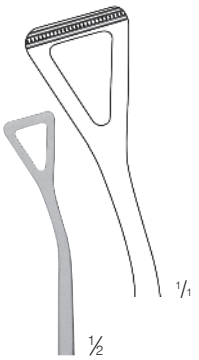
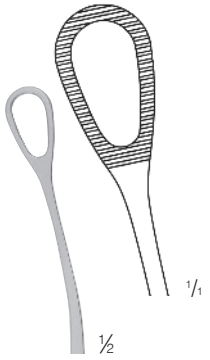
MITHOS

INSTRUMENTS FOR MINIMALLY INVASIVE THORACIC SURGERY
INSTRUMENTE FÜR MINIMALINVASIVE THORAXCHIRURGIE



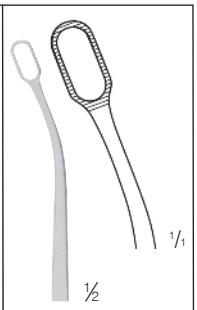
closed/open
geschl./offen
10 mm/12 mm

FORCEPS / KLEMMEN

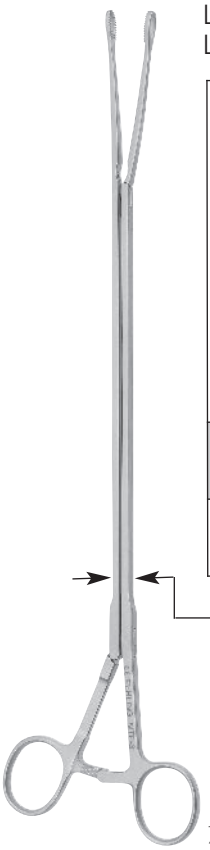
			 14 mm	 20 mm
NON-TRAUMATIC / ATRAUMATISCH			GRASPING FORCEPS FASSZANGE	LUNG GRASPING FORCEPS LUNGENFASSZANGE
330 mm	330 mm	350 mm	340 mm	350 mm
WITHOUT LOCK OHNE SPERRE	WITH LOCK MIT SPERRE	WITHOUT LOCK OHNE SPERRE	WITH LOCK MIT SPERRE	WITH LOCK MIT SPERRE
MTE-7	MRA-2V	MTF-3	MTE-1	MTE-2



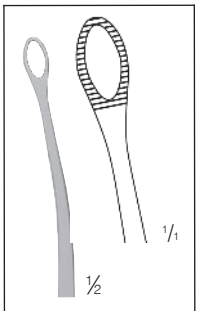
GRASPING FORCEPS / FASSZANGEN

 11 mm	 11 mm
340 mm	340 mm
MTE-4	MTE-5

closed/open
geschl./offen
5 mm/6 mm



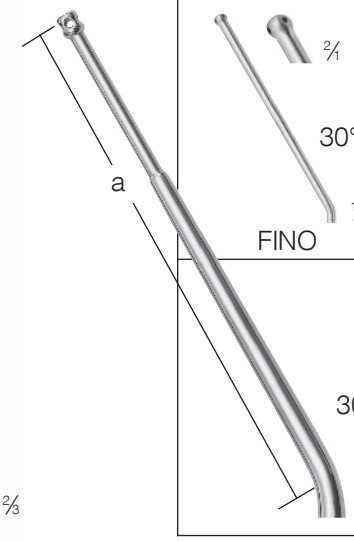
LUNG GRASPING FORCEPS /
LUNGENFASSZANGE

 12 mm
350 mm
MTE-3

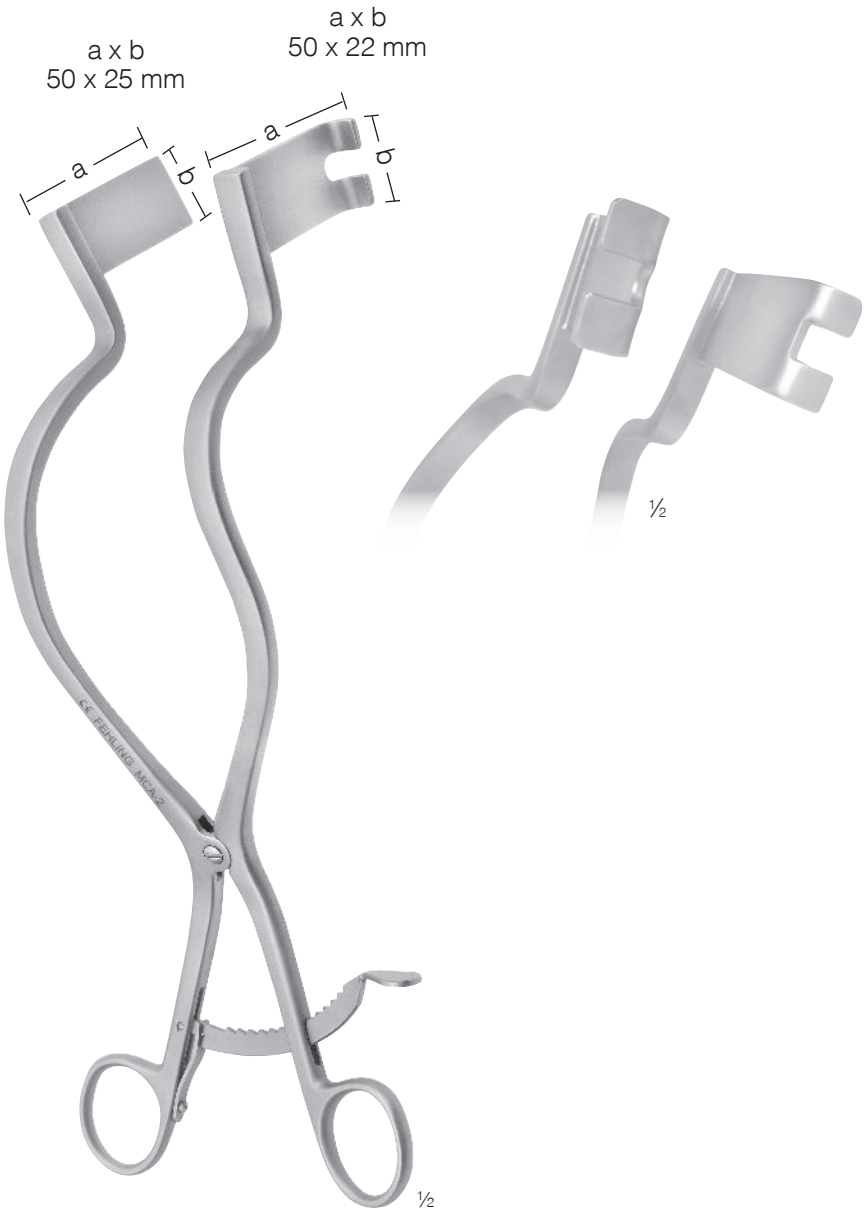
closed/open
geschl./offen
7 mm/8 mm

JAMIESON DISSECTION CANNULAS
DISSEKTIONSSAUGER



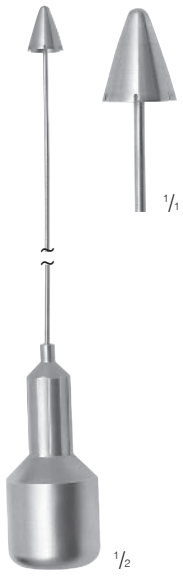
	Ø HOLE / BALL LOCH / KUGEL	LENGTH LÄNGE	
	0,5 mm	270 mm	MMT-1
	1,0 mm	210 mm	MNF-0
	1,5 mm	270 mm	MMA-7
	1,0 mm	260 mm	MMC-0
	1,5 mm	270 mm	MME-5
 FINO	1,5 mm	290 mm	MME-1
FINO	1,5 mm	290 mm	MME-2
	0,5 mm	a = 70 mm 270 mm	MMJ-0
	1,0 mm	a = 60 mm 270 mm	MMJ-6
		a = 70 mm 270 mm	MMB-0

MAYER PEA RETRACTOR
PEA SPREIZER



260 mm

MCA-2



SUPERPLAST
PETZOLD
250 mm

STRIPPER FOR VARICOSE VEINS
VARIZENSTRIPPER

Ø	
2 mm	MIE-7
3 mm	MIE-8
4 mm	MIE-1
5 mm	MIE-2
6 mm	MIE-3
7 mm	MIE-4
8 mm	MIE-5
10 mm	MIE-6



SUPERPLAST
OCCLUDER
80 mm

1,0 mm	1,5 mm	2,5 mm
		
2,5 mm	2,0 mm	3,0 mm
MNK-0	MNK-1	MNK-2



SUPERFLEX
500 mm

INSTRUMENTS FOR THROMBECTOMY
INSTRUMENTE FÜR THROMBEKTOMIE





Ø	RING STRIPPER* RINGSTRIPPER*	SPIRAL CURETTE** SPIRALKÜRETTE**
3 mm	MIG-3	–
4 mm	MIG-4	–
5 mm	MIG-5	MID-1
6 mm	MIG-6	MID-2
7 mm	MIG-7	MID-3
8 mm	MIG-8	MID-4
9 mm	MIG-2	MID-5
10 mm	MIG-9	MID-6
12 mm	MIG-0	–
14 mm	MIG-1	–

* FOR NATIVE VESSELS / FÜR NATÜRLICHE GEFÄSSE
** FOR PROSTHESES / FÜR PROTHESEN



CERAMO®
HANDLE
GRIFF
105 mm

ABB-5

Your Distributor
Ihr Vertriebspartner

FEHLING...

... THE DIFFERENCE

PC

SET FOR PEDIATRIC CARDIAC SURGERY

SET FÜR KINDER-HERZCHIRURGIE



FEHLING INSTRUMENTS

Hanauer Landstraße 7A · 63791 Karlstein/Germany · www.fehling-instruments.de

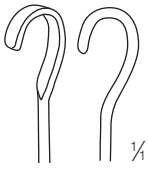
+49 (0) 6188 - 9574.40 +49 (0) 6188 - 9574.45 info@fehling-instruments.de

CERAMO®

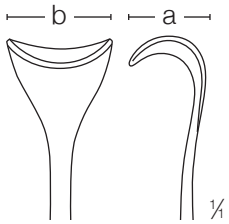


175 mm

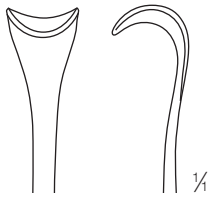
ASD/VSD RETRACTOR
HERZDEFEKTHAKEN



3 x 5 mm
EOB-7

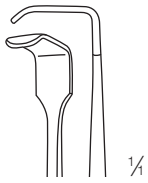


8 x 14 mm
EOA-5

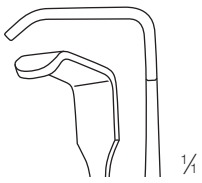


8 x 8 mm
EOA-0

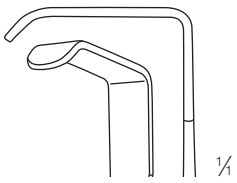
LANGENBECK



12 x 5 mm
EOB-1

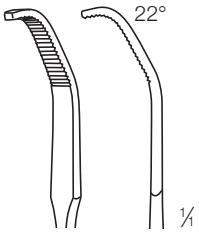


20 x 6 mm
EOB-2

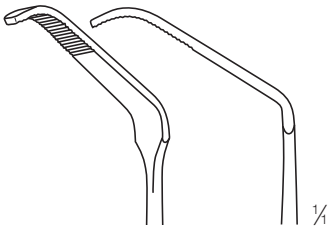


25 x 6 mm
EOB-3

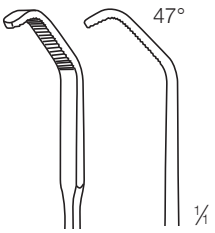
ZENKER



10 x 3 mm
EOB-5

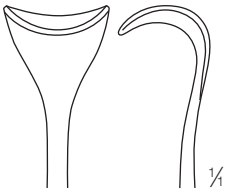


25 x 3 mm
EOB-6

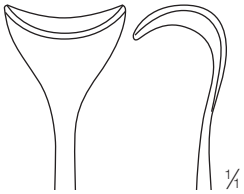


10 x 3 mm
(L=190 mm)
EOB-0

MOBERG



12 x 14 mm
EOA-8



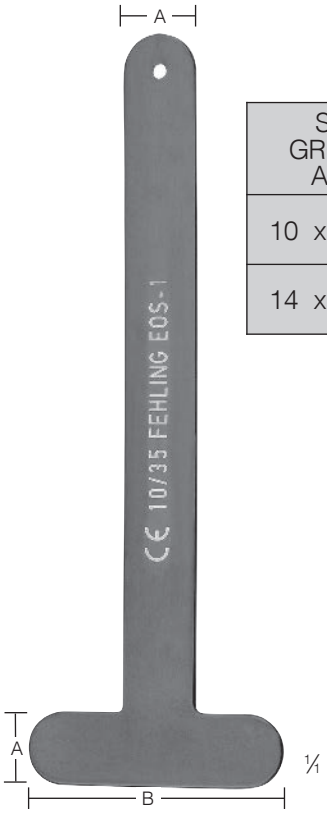
13 x 16 mm
EOA-9

BLADE SIZE: DEPTH (a) x WIDTH (b)
BLATTGRÖSSE: TIEFE (a) x BREITE (b)



WIDTH BREITE	
4 mm	EOI-6
8 mm	EOI-7
10 mm	EOI-8
14 mm	EOI-4
16 mm	EOI-5
19 mm	EOI-9
24 mm	EOK-0

CERAMO® SUPERPLAST
SPATULA
SPATEL
180 mm



SIZE GRÖSSE A x B	
10 x 35 mm	EOS-1
14 x 45 mm	EOS-2

CERAMO® SUPERPLAST JAQUISS
ORGAN RETRACTOR
ORGANRETRAKTOR
100 mm

SUPERPLAST instruments are made of shape-memory metal. This metal has unique qualities under different thermal conditions. The instruments are malleable in normal OR temperatures. Soft pressure allows "permanent" deformation of shape according to the surgeon's needs. However in higher temperature, such as those found in the autoclave, the instruments regain their initial shape.
SUPERPLAST Instrumente sind aus Metall mit Formgedächtnis. Sie bieten verschiedene Eigenschaften je nach thermischen Bedingungen. Sie sind bei normaler OP-Temperatur biegbar und können durch sanften Druck in die gewünschte Form gebracht werden. Unter höheren Temperaturen, wie bei der Sterilisation, nehmen sie ihre ursprüngliche Form wieder an.

blades (included)
Blätter (inklusive)



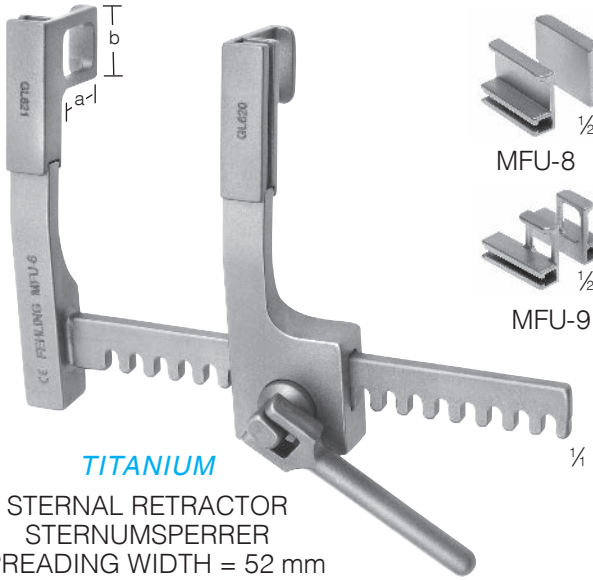
10 x 20 mm (a x b)
(PAIR / PAAR)

MFU-8



10 x 10 mm (a x b)
(PAIR / PAAR)

MFU-9

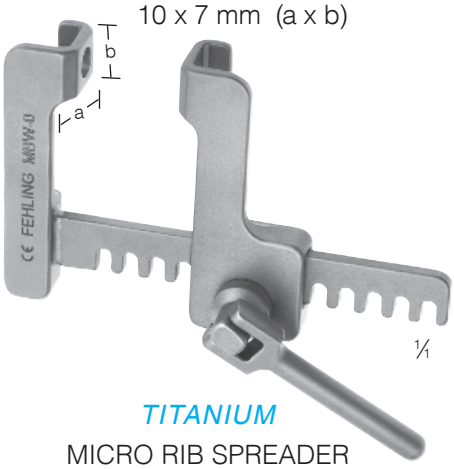


TITANIUM

STERNAL RETRACTOR
STERNUMSPERRER
SPREADING WIDTH = 52 mm
SPREIZWEITE = 52 mm

MFU-6

10 x 7 mm (a x b)

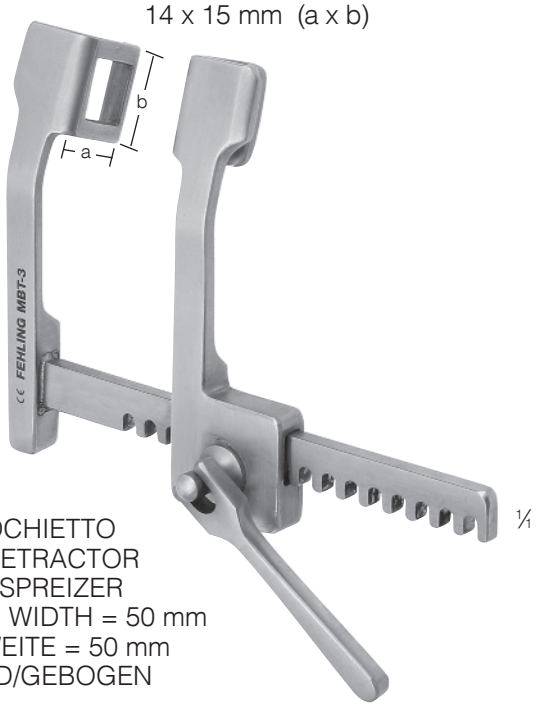


TITANIUM

MICRO RIB SPREADER
MIKRORIPPENSPREIZER
SPREADING WIDTH = 30 mm
SPREIZWEITE = 30 mm
STRAIGHT/GERADE

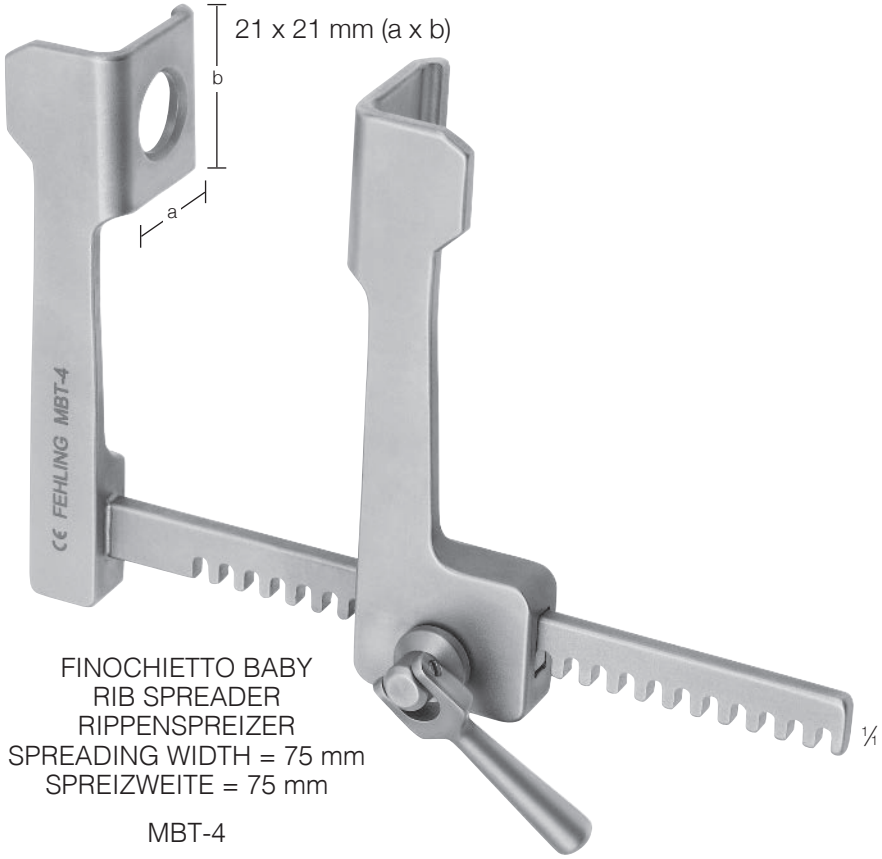
MBW-0

14 x 15 mm (a x b)



FINOCHIETTO
MINI-RETRACTOR
MINI-SPREIZER
SPREADING WIDTH = 50 mm
SPREIZWEITE = 50 mm
CURVED/GEBOGEN

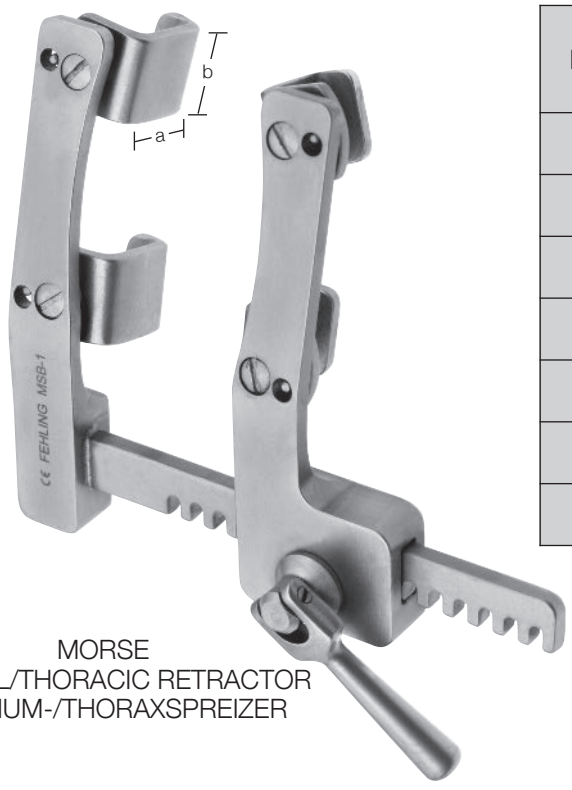
MBT-3



FINOCHIETTO BABY
RIB SPREADER
RIPPENSPREIZER
SPREADING WIDTH = 75 mm
SPREIZWEITE = 75 mm

MBT-4

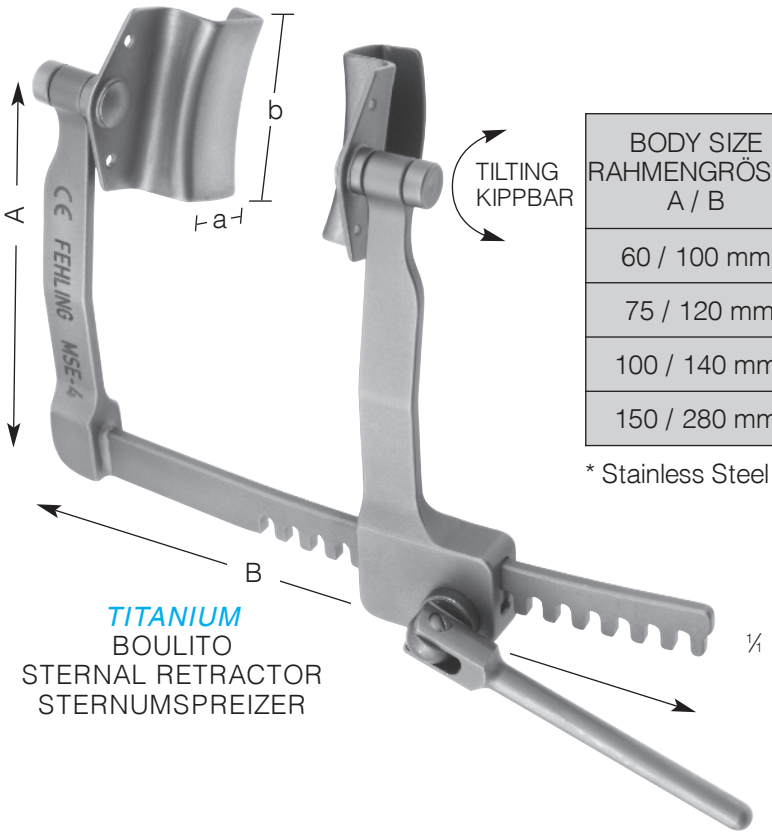
1/1



MORSE
STERNAL/THORACIC RETRACTOR
STERNUM-/THORAXSPREIZER

1/1

BLADE SIZE BLATTGRÖSSE a x b	SPREADING WIDTH SPREIZWEITE	
14 x 12 mm	40 mm	MSB-1
14 x 12 mm	65 mm	MSB-2
20 x 15 mm	90 mm	MSB-6
23 x 20 mm	100 mm	MSB-3
20 x 15 mm	110 mm	MSB-7
23 x 20 mm	130 mm	MSB-4
23 x 20 mm	160 mm	MSB-5



BODY SIZE RAHMENGRÖSSE A / B	BLADE SIZE BLATTGRÖSSE a x b	PATIENT WEIGHT KÖRPERGEWICHT	
60 / 100 mm	12 x 25 mm	≤ 5 kg	MSE-4
75 / 120 mm	18 x 35 mm	5 – 15 kg	MSE-5
100 / 140 mm	21 x 55 mm	15 – 30 kg	MSE-6
150 / 280 mm	30 x 100 mm	30 – 60 kg	MSE-9*

* Stainless Steel / Rostfreier Stahl

TITANIUM
BOULITO
STERNAL RETRACTOR
STERNUMSPREIZER

1/1

12 x 7,5 mm (a x b)

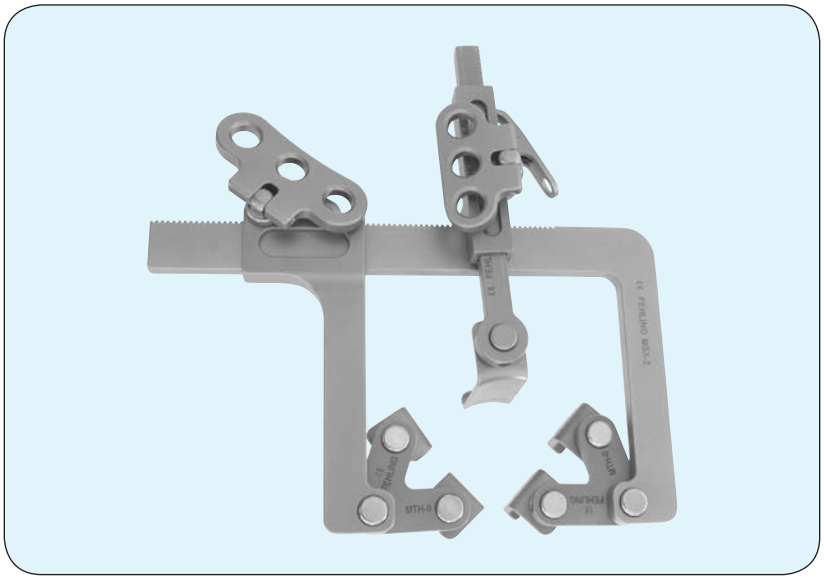


2/3

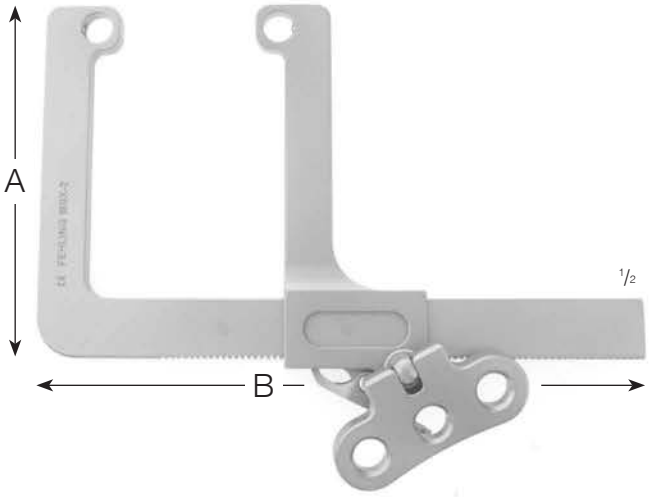
MINI THORACOTOMY RETRACTOR
MINI-THORAKOTOMIESPREIZER
115 mm

MSD-5

V-CUT
TITANIUM



exemplary configuration
Konfigurationsbeispiel



RETRACTOR, BODY
SPERRER, RAHMEN

BLADE SIZE BLATTGRÖSSE A x B	PATIENT WEIGHT KÖRPERGEWICHT	
80 x 130 mm	3 – 7 kg	MSX-1
90 x 150 mm	7 – 15 kg	MSX-2
120 x 200 mm	15 – 40 kg	MSX-3





RIDER
SCHLITTEN

STANDARD
MSX-5B

ANGLE ADJUSTABLE
WINKELVERSTELLBAR
MSX-5C



BLADE GUIDE
HAKENFÜHRUNG
MSX-5A



HORKE BLADE SWING
HORKE SCHAUKEL

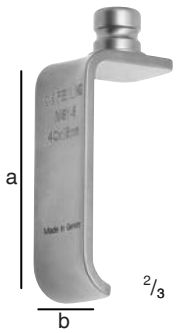
HOLE DISTANCE LOCHABSTAND	
20 mm	MTH-2
25 mm	MTH-0
35 mm	MTH-1

V-CUT
TITANIUM



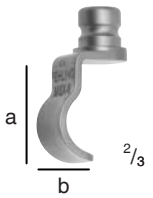
STERNAL BLADE
STERNUMHALTEBLATT

a \ b	15 mm	20 mm
15 mm	MTH-3	MTH-4
21 mm	MTH-5	MTH-6
26 mm	MTH-7	MTH-8



DIAPHRAGM RETRACTOR
ZWERCHFELLHAKEN

a \ b	15 mm	24 mm
40 mm	MSY-6	MSZ-6
50 mm	MSY-7	MSZ-7
60 mm	MSY-8	MSZ-8
70 mm	MSY-9	MSZ-9



LID RETRACTOR
LIDHAKEN

a \ b	10 mm
20 mm	MSX-6
30 mm	MSX-7
40 mm	MSX-8



225 mm
MCE-9



Ø	
3,0 mm	MNO-4
4,2 mm	MNO-5

ANDREWS PYNCHON
240 mm



245 mm
MCE-8



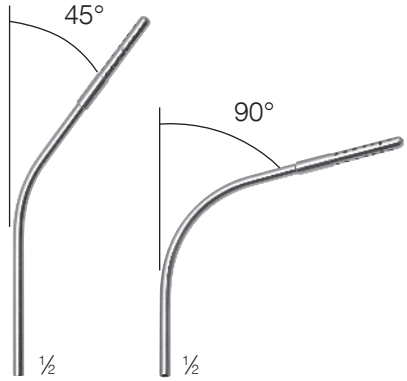
210 mm
MNE-5



SEBENING
180 mm
MNE-8

GRECO



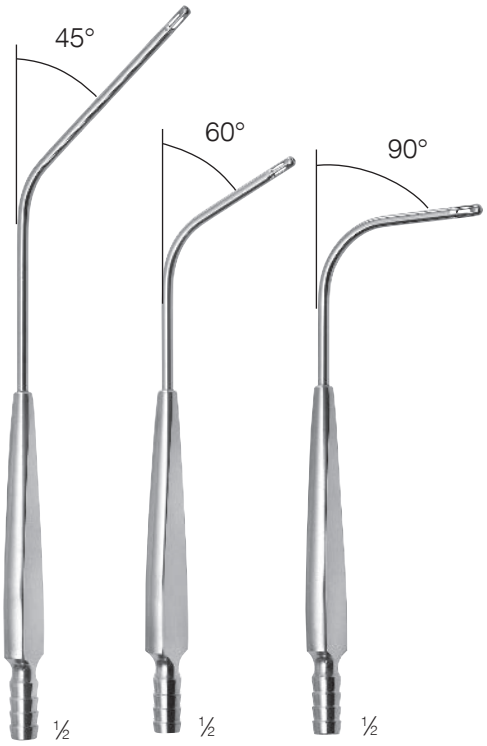


DETACHABLE BASKET / KORB ABNEHMBAR

Ø TUBE / ROHR	180 mm	160 mm
3,3 mm	MNM-1	MNM-2
5,0 mm	MNM-3	MNM-4

DETACHABLE BASKET / KORB ABNEHMBAR

Ø TUBE / ROHR	95 mm	80 mm
3,3 mm	MNM-5	MNM-6
5,0 mm	MNM-7	MNM-8



Ø TUBE / ROHR	210 mm	180 mm	150 mm
3,3 mm	MNL-2	MNL-1	MNL-3
5,0 mm	MNL-5	MNL-4	MNL-6

GRECO



DETACHABLE BASKET / KORB ABNEHMBAR

Ø TUBE / ROHR	230 mm
6,0 mm	MNL-7



DETACHABLE BASKET / KORB ABNEHMBAR

Ø TUBE / ROHR	205 mm
6,0 mm	MNL-8



Ø 7 mm
L 25 mm

MKK-5

Ø 6 mm
L 23 mm

MKN-8

VENTRICLE SUCTION CANNULA
VENTRIKELSAUGER



CARDIOPLEGIA CANNULA
KARDIOPLEGIEKANÜLE
30 mm

MZI-3

FEHLING INSTRUMENTS

PROBES
SONDEN

PC/12



1/1

Ø OLIVE	
3,0 mm	MSF-0
4,0 mm	MSF-1
4,5 mm	MSF-2
5,0 mm	MSF-3
5,5 mm	MSF-4
6,0 mm	MSF-5
7,0 mm	MSF-6
8,0 mm	MSF-7
9,0 mm	MSF-8
10,0 mm	MSF-9
11,0 mm	MSG-1
12,0 mm	MSG-2
13,0 mm	MSG-3
14,0 mm	MSG-4
15,0 mm	MSG-5
16,0 mm	MSG-6
17,0 mm	MSG-7
18,0 mm	MSG-8
19,0 mm	MSG-9
20,0 mm	MSH-1
21,0 mm	MSH-2
22,0 mm	MSH-3
23,0 mm	MSH-4
24,0 mm	MSH-5
25,0 mm	MSH-6
26,0 mm	MSH-7
27,0 mm	MSH-8
28,0 mm	MSH-9

BOULITO SUPERPLAST
TUBULAR PROBE
TUBULARSONDE
180 mm



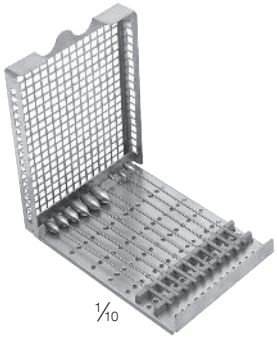
1/1

SIZE GRÖSSE	
2/7 mm	MSJ-1
3/8 mm	MSJ-2
4/9 mm	MSJ-3

ZIEMER SUPERLAST
PROBE
SONDE
180 mm

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

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

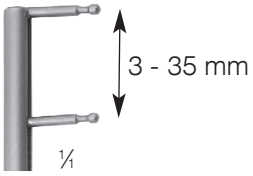


1/10

STORAGE AND STERILIZATION TRAY
FOR BOULITO PROBES
STERILISIER- UND LAGERSIEB
FÜR BOULITO-SONDEN

max. OLIVE Ø 17 mm 160 x 210 x 26 mm	MSG-0
max. OLIVE Ø 22 mm 160 x 210 x 30 mm	MSH-0





1/1

½

CHORDAE GAUGE AND
KNOT ASSISTANT
CHORDAE-LEHRE UND
KNOTENASSISTENT
200 mm

MNV-9

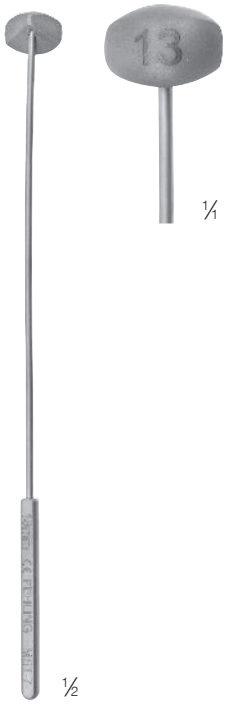


1/1

½

CERAMO® BOULITO RONDO
MICRO VALVE FORCEPS
MIKRO KLAPPENPINZETTE

	180 mm	210 mm	230 mm
1,0 mm	COS-0	–	–
1,5 mm	COS-7	COS-8	COR-0



1/1

½

Ø ANULUS	
8 mm	MST-2
9 mm	MST-3
10 mm	MST-4
11 mm	MST-5
12 mm	MST-6
13 mm	MST-7
14 mm	MST-8
15 mm	MST-9
16 mm	MSU-0
17 mm	MSU-1
18 mm	MSU-2
19 mm	MSU-3
20 mm	MSU-4
21 mm	MSU-5
22 mm	MSU-6
23 mm	MSU-7
24 mm	MSU-8
25 mm	MSU-9

BOULITO SUPERPLAST
3D GAUGE FOR AV-RECONSTRUCTION
3D LEHRE FÜR AK-REKONSTRUKTION
190 mm

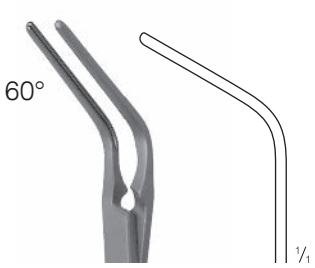


1/5

STERILIZATION TRAY FOR
BOULITO SUPERPLAST 3D-GAUGE
STERILISATIONSTRAY FÜR
BOULITO SUPERPLAST 3D-LEHRE

MST-0

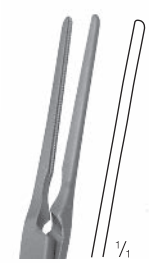
TITANIUM



MHN-1



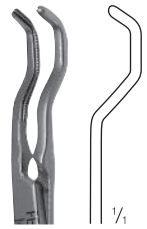
6mm
MHN-2



MHM-9



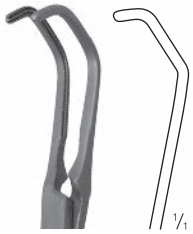
DEBAKEY
105mm



6mm
MHN-3



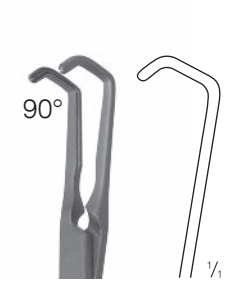
DEBAKEY
105mm



9mm
MHN-4



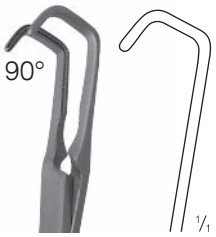
DEBAKEY
105mm



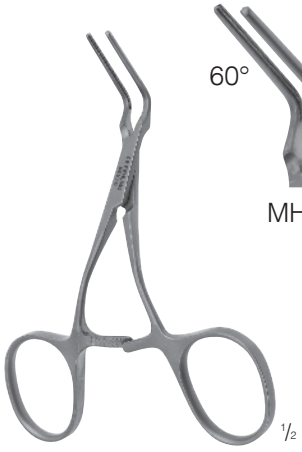
6mm
MHO-3



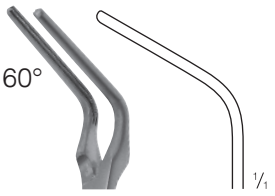
SEBENING
105mm



9mm
MHO-4

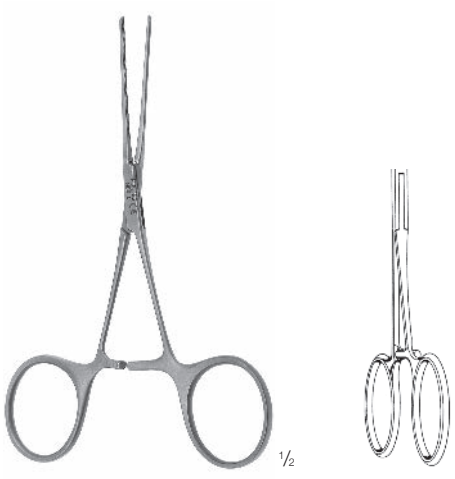


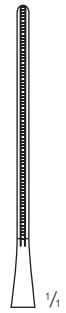
SEBENING
105mm



MHO-6

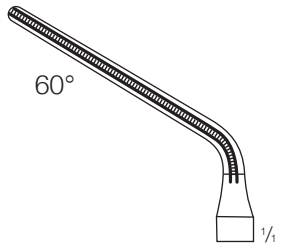
FEHLING INSTRUMENTS
NON-TRAUMATIC CLAMPS
ATRAUMATISCHE KLEMMEN
PC/15



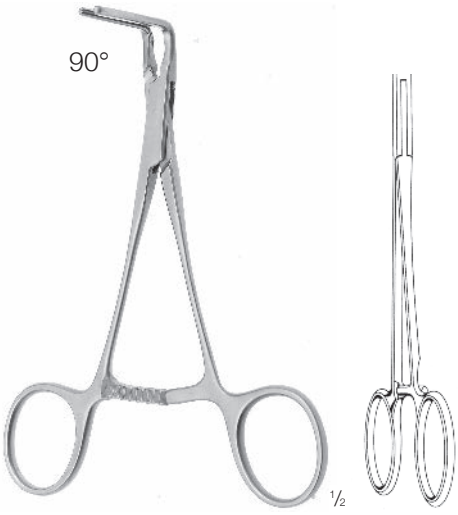


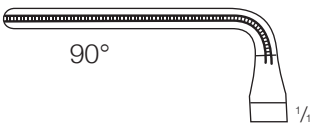
125 mm	145 mm	165 mm
MAC-2	MAE-7	MAH-2
MER-4	MDV-9	MER-5





125 mm	145 mm	165 mm
MAC-4	MAE-9	MAH-4
MER-8	MDW-2	MER-9

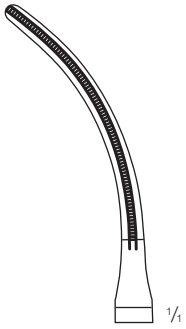




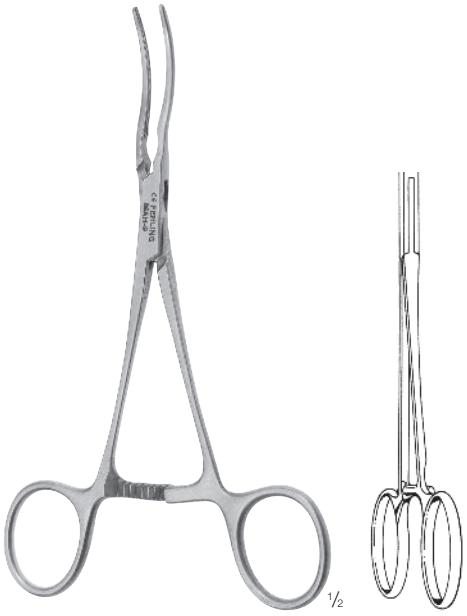
125 mm	145 mm	165 mm
MAC-5	MAF-1	MAH-5
MES-1	MES-2	MES-3

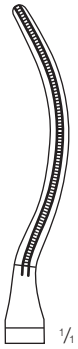
TITANIUM
TITAN



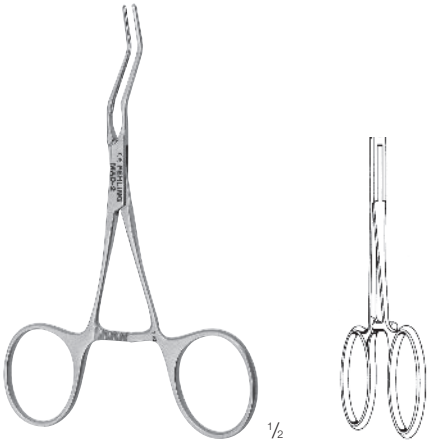


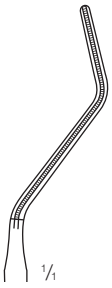
125 mm	145 mm	165 mm
MAD-1	MAF-6	MAJ-1
MET-4	MET-5	MET-6





125 mm	145 mm	165 mm
MAC-9	MAF-5	MAH-9
MDT-8	MDU-2	MDU-5

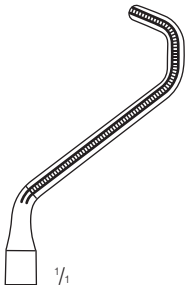




125 mm	145 mm	165 mm
MAD-2	MAF-7	MAJ-2
MET-7	MET-8	MET-9

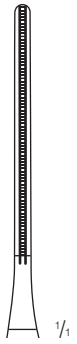
TITANIUM
TITAN





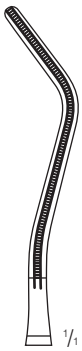
125 mm	145 mm	165 mm
MAC-8	MAF-4	MAH-8
MET-1	MET-2	





125 mm	145 mm	165 mm
MAD-3	MAF-8	MAJ-3
MEU-1	MEU-2	MEU-3

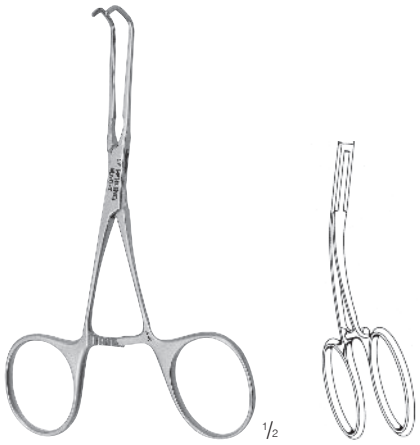


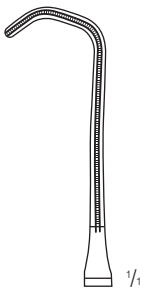


125 mm	145 mm	165 mm
MAC-6	MAF-2	MAH-6
MES-4	MES-5	MES-6

TITANIUM
TITAN

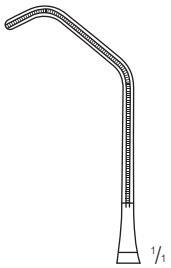
FEHLING INSTRUMENTS
NON-TRAUMATIC CLAMPS
ATRAUMATISCHE KLEMMEN
PC/18



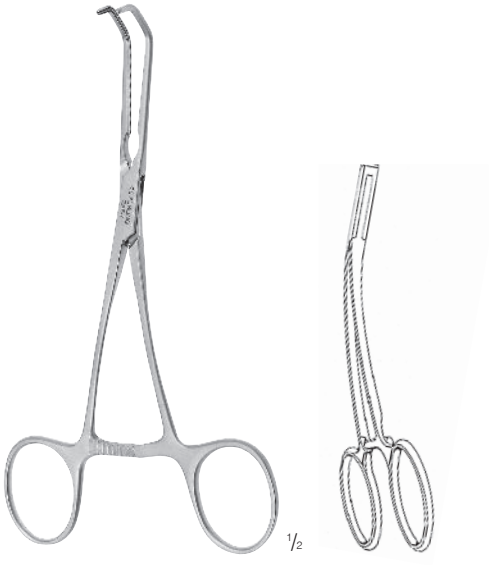


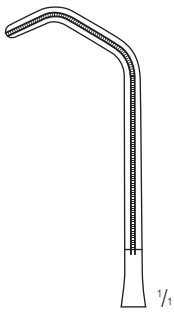
125 mm	145 mm	165 mm
MAC-7	MAF-3	MAH-7
MES-7	MES-8	MES-9





125 mm	145 mm	165 mm
MAD-9	MAG-5	MAJ-9
MEU-9	MEV-1	MEV-2

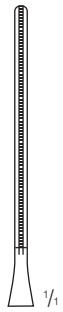




125 mm	145 mm	165 mm
ZAE-6	ZAF-7	ZAF-4

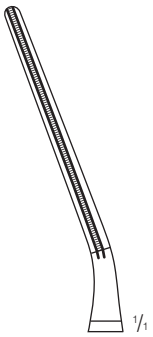
TITANIUM
TITAN





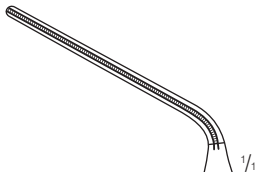
125 mm	145 mm	165 mm
MAC-3	MAE-8	MAH-3
MER-6	MDW-1	MER-7





125 mm	145 mm	165 mm
MAD-4	MAF-9	MAJ-4
MEU-4	MEU-5	MFA-1

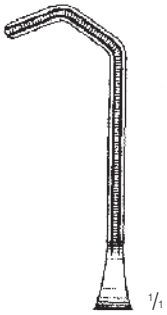




125 mm	145 mm	165 mm
MAE-3	MAG-8	MAK-3
MEV-3	MEV-4	MDW-5

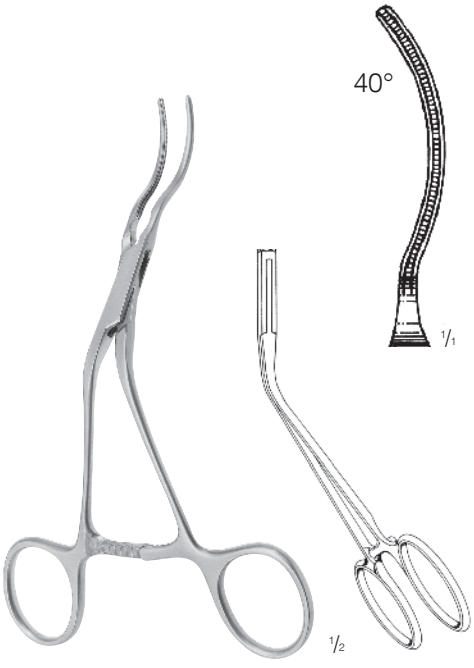
TITANIUM
TITAN





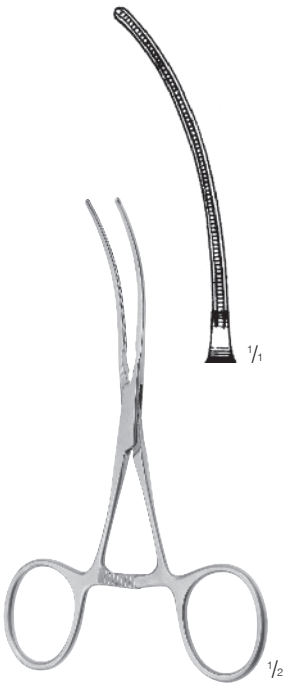
125 mm	145 mm	165 mm
MAD-6	MAG-2	MAJ-6
MEU-6		

TITANIUM
TITAN

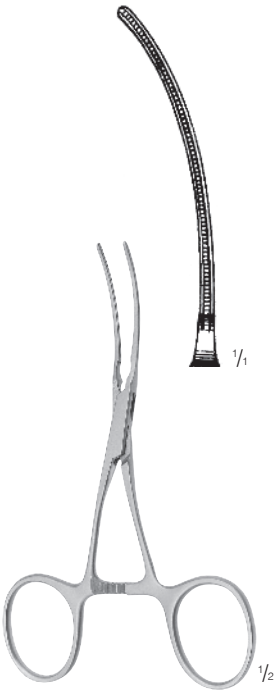


155 mm

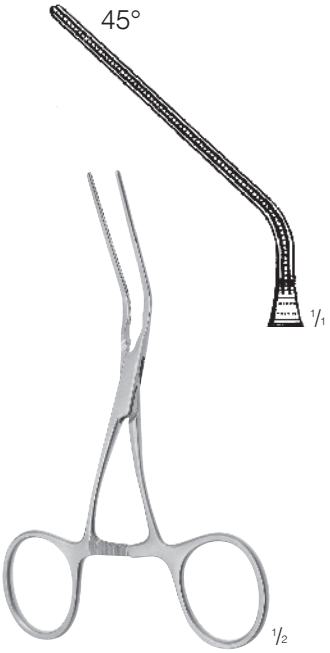
MAH-0



130 mm
MAE-4



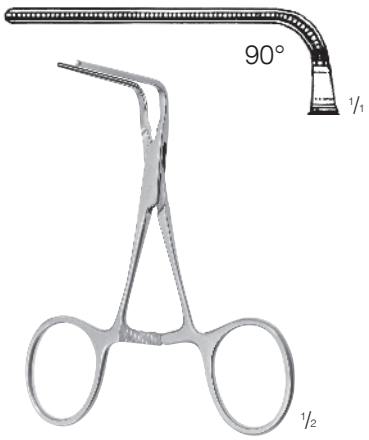
130 mm
MAE-6



130 mm
MAE-5



TITANIUM
175 mm
MDU-7



DE BAKEY
100 mm
MED-9

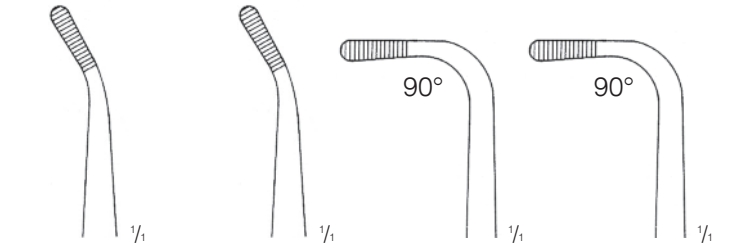
FEHLING INSTRUMENTS

DISSECTING FORCEPS
PRÄPARIERKLEMMEN

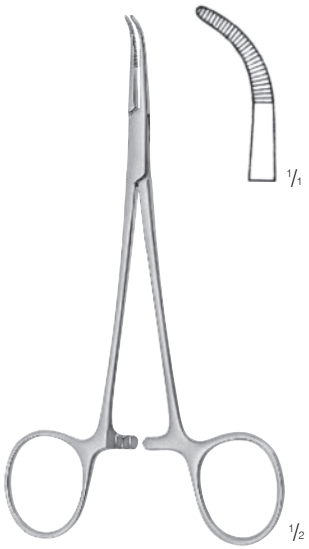
PC/22



WATERSTON

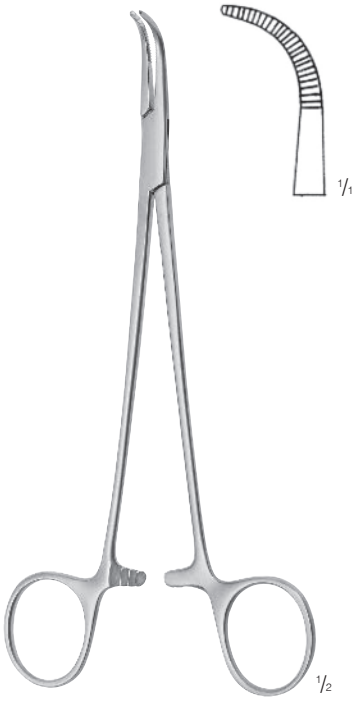


180 mm	210 mm	170 mm	200 mm
DAY-7	DAY-9	DAY-6	DAY-8



BABY-MIXTER
140 mm

DBA-1



BABY-MIXTER
180 mm

DBA-2



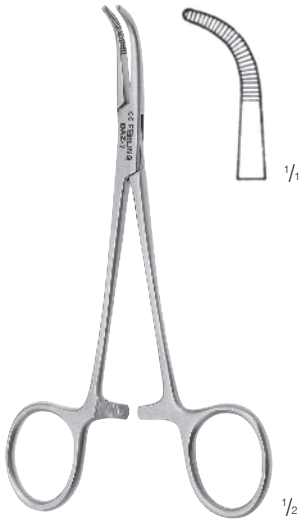
BABY-ADSON
185 mm

DAZ-8



BABY-ADSON
185 mm

DCG-8



BABY-ADSON
140 mm

DAZ-7

Your Distributor
Ihr Vertriebspartner

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

ZYC-0; 11/18

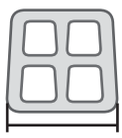
FEHLING INSTRUMENTS

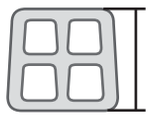
CERVICAL DISC REPLACEMENT
HWS-BANDSCHEIBENERSATZ

FENESTRA

STERILE PEEK CAGES







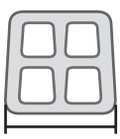
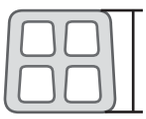




ITEM NO. ARTIKELNR.	WIDTH BREITE	DEPTH TIEFE	HEIGHT HÖHE	**TITANIUM SIZERS**
PL-4S	13 mm	12 mm	4 mm	SL-4
PL-5S	13 mm	12 mm	5 mm	SL-5
PL-6S	13 mm	12 mm	6 mm	SL-6
PM-4S	13 mm	14 mm	4 mm	SM-4
PM-5S	13 mm	14 mm	5 mm	SM-5
PM-6S	13 mm	14 mm	6 mm	SM-6
PA-3S	15 mm	12 mm	3 mm	SA-3
PA-4S	15 mm	12 mm	4 mm	SA-4
PA-5S	15 mm	12 mm	5 mm	SA-5
PA-6S	15 mm	12 mm	6 mm	SA-6
PA-7S	15 mm	12 mm	7 mm	SA-7
PA-8S	15 mm	12 mm	8 mm	SA-8
PB-3S	15 mm	14 mm	3 mm	SB-3
PB-4S	15 mm	14 mm	4 mm	SB-4
PB-5S	15 mm	14 mm	5 mm	SB-5
PB-6S	15 mm	14 mm	6 mm	SB-6
PB-7S	15 mm	14 mm	7 mm	SB-7
PB-8S	15 mm	14 mm	8 mm	SB-8
PC-3S	17 mm	14 mm	3 mm	SC-3
PC-4S	17 mm	14 mm	4 mm	SC-4
PC-5S	17 mm	14 mm	5 mm	SC-5
PC-6S	17 mm	14 mm	6 mm	SC-6
PC-7S	17 mm	14 mm	7 mm	SC-7
PC-8S	17 mm	14 mm	8 mm	SC-8
PD-3S	17 mm	16 mm	3 mm	SD-3
PD-4S	17 mm	16 mm	4 mm	SD-4
PD-5S	17 mm	16 mm	5 mm	SD-5
PD-6S	17 mm	16 mm	6 mm	SD-6
PD-7S	17 mm	16 mm	7 mm	SD-7
PD-8S	17 mm	16 mm	8 mm	SD-8

FEHLING INSTRUMENTS

CERVICAL DISC REPLACEMENT
HWS-BANDSCHEIBENERSATZ



ITEM NO. ARTIKELNR.	WIDTH BREITE	DEPTH TIEFE	HEIGHT HÖHE	**TITANIUM SIZERS**
PL-4S	13 mm	12 mm	4 mm	SL-4
PL-5S	13 mm	12 mm	5 mm	SL-5
PL-6S	13 mm	12 mm	6 mm	SL-6
PM-4S	13 mm	14 mm	4 mm	SM-4
PM-5S	13 mm	14 mm	5 mm	SM-5
PM-6S	13 mm	14 mm	6 mm	SM-6
PA-3S	15 mm	12 mm	3 mm	SA-3
PA-4S	15 mm	12 mm	4 mm	SA-4
PA-5S	15 mm	12 mm	5 mm	SA-5
PA-6S	15 mm	12 mm	6 mm	SA-6

TITANIUM SETTING INSTRUMENT
TITAN SETZINSTRUMENT



180 mm
XRE-1





WITH ADJUSTABLE STOP UNIT
MIT VERSTELLBAREM ANSCHLAG

130/180 mm
XRE-4

80/180 mm
XRE-3

TRAY FOR CAGES + SIZERS
BOX FÜR CAGES + SIZERS



STANDARD
PAZ-3



SPECIAL SIZE
SONDERGRÖSSE
PAZ-4

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Ihr Vertriebspartner

Please note that not all products are available in every country.
Wir weisen darauf hin, dass einzelne Produkte oder Produktgruppen in manchen Ländern nicht verfügbar sein können.

The dimensions listed in the catalog are nominal measurements. Actual values may differ slightly due to variations in production.
Bei denen im Katalog angegebenen Maßen handelt es sich um Nennmaße. Die tatsächlichen Werte können fertigungsbedingt abweichen.

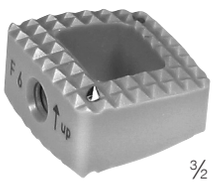
ZYA-1; 04/22

FEHLING INSTRUMENTS

CERVICAL DISC REPLACEMENT
HWS-BANDSCHEIBENERSATZ

FORMAR

STERILE PEEK CAGES



3/2









3/2

ITEM NO. ARTIKELNR.	WIDTH BREITE	DEPTH TIEFE	HEIGHT HÖHE	**TITANIUM SIZERS**
PF-3S	14 mm	13 mm	3 mm	SF-3
PF-4S	14 mm	13 mm	4 mm	SF-4
PF-5S	14 mm	13 mm	5 mm	SF-5
PF-6S	14 mm	13 mm	6 mm	SF-6
PF-7S	14 mm	13 mm	7 mm	SF-7
PG-3S	16 mm	14 mm	3 mm	SG-3
PG-4S	16 mm	14 mm	4 mm	SG-4
PG-5S	16 mm	14 mm	5 mm	SG-5
PG-6S	16 mm	14 mm	6 mm	SG-6
PG-7S	16 mm	14 mm	7 mm	SG-7
PH-4S	18 mm	14 mm	4 mm	SH-4
PH-5S	18 mm	14 mm	5 mm	SH-5
PH-6S	18 mm	14 mm	6 mm	SH-6
PH-7S	18 mm	14 mm	7 mm	SH-7

FEHLING INSTRUMENTS
CERVICAL DISC REPLACEMENT
HWS-BANDSCHEIBENERSATZ



DISSECTING CURETTE
DISSEKTIONSKÜRETTE
6 x 220 mm

XSE-1



TITANIUM SETTING INSTRUMENT
TITAN SETZ-INSTRUMENT
180 mm

XRE-1



STORAGE AND STERILISATION TRAY FOR CAGES + SIZERS
LAGER- UND STERIBEHÄLTER FÜR CAGES + SIZERS

SMALL KLEIN	CAGE/SIZER TYPES CAGE/SIZER NUMMERN	PF + PG / SF + SG	PAZ-1
LARGE GROSS	CAGE/SIZER TYPES CAGE/SIZER NUMMERN	PF + PG + PH / SF + SG + SH	PAZ-2

ALTERNATIVE TOOLS*
ALTERNATIVES WERKZEUG*



TITANIUM SETTING INSTRUMENT WITH ADJUSTABLE STOP UNIT
TITAN SETZ-INSTRUMENT MIT VERSTELLBAREM ANSCHLAG
130/180 mm

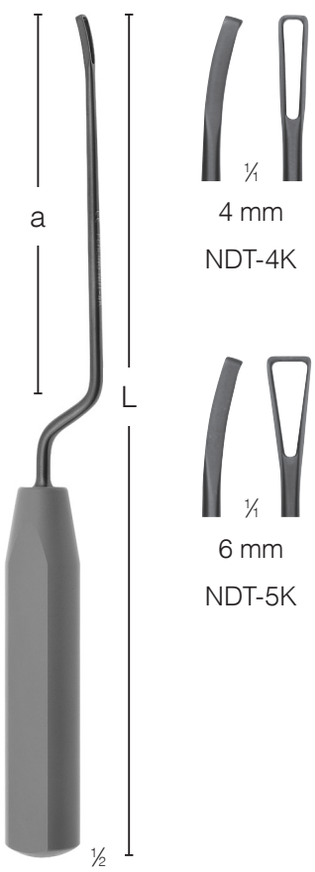
XRE-4



TITANIUM SETTING INSTRUMENT WITH ADJUSTABLE STOP UNIT
TITAN SETZ-INSTRUMENT MIT VERSTELLBAREM ANSCHLAG
80/180 mm

XRE-3

*Does not fit into tray PAZ-1/-2
*Passt nicht in Box PAZ-1/-2



CERAMO® LANKSCH
INTERVERTEBRAL CURETTE
INTERVERTEBRAL KÜRETTE
L = 215 mm
a = 100 mm

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

ZYN-0; 04/22

Handling Innovative Materials: Their Use and Processing

1 CERAMO®

1.1 Properties

CERAMO® surfaces are characterized by great hardness, strong resistance to oxidation and chemical inertia. They are therefore particularly suitable for a large number of clinical applications executed under hospital conditions.

1.2 Purpose

CERAMO®-coated instruments can be used wherever the same or similar instrument surfaces of stainless steel or titanium without ceramic surface protection are used. Compared with these uncoated surfaces CERAMO® surfaces offer the following advantages:

- Enhanced resistance to friction (extended useful life)
- strong resistance to oxidation
- improved antifriction properties
- reduced reflection of light.

1.3 Processing

See user information referring to the reprocessing of re-sterilisable instruments according to EN ISO 17664.

1.4 Cautionary Statements

The following should be noted when using and handling CERAMO®-coated instruments:

- The hardness of CERAMO® surfaces protects them from friction but not from plastic deformation. Resistance of a surgical instrument to plastic deformation is determined exclusively by the physical properties of the basic metal. This is why the rules governing the use of instruments with CERAMO® surfaces are the same as those applying to other instruments and why no warranty is valid in cases of abuse.
- CERAMO® -coated instruments must not be cleaned using the Orthovario- or Oxivario procedure, as those will destroy the ceramic surface in a short space of time.
- Whenever possible, only the manufacturer should repair CERAMO® -coated instruments. Repairs made by third parties may cause irreparable damage.

Specific user information has been developed for many instruments with CERAMO®-coated surfaces, such as scissors, punches and micro-instruments and is customarily included in the scope of delivery at the time of the first purchase. Please request this information if it has not been made available to you.

If used correctly as intended, damage to the instruments is largely avoided. Nevertheless, if damage occurs - perhaps caused by abuse – only the manufacturer can determine whether it can be corrected and make repairs to the degree it is technically possible. Cleaning, disinfection and sterilization must be performed prior to returning the instruments. A confirmation sheet can be obtained from the manufacturer.

2 PLASMA Needle Holders

2.1 Properties

PLASMA gripping surfaces in needle holders are, simply put, sprayed-on ceramic materials characterized by the following:

- amorphous surface structure
- superior degree of hardness
- chemical inertia (oxidation resistance).

2.2 Purpose

PLASMA needle holders are in principle used for the same purposes and in the same manner as conventional needle holders with or without hard metal inserts. But keeping in mind the useful life of the instruments, it is suggested that the restrictions and recommendations found under “Cautionary Statements” be noted.

Compared to needle holders with conventional gripping surface made of hard metal or stainless steel, PLASMA gripping surfaces offer these advantages:

- enhanced resistance to friction (extended useful life)
- strong resistance to oxidation
- direction of needle can be chosen as desired.

2.3 Processing

See user information referring to the reprocessing of re-sterilizable instruments according to EN ISO 17664.

2.4 Cautionary Statements

The following should be noted when using needle holders:

- Needle holders and the needles they hold must always maintain the correct size ratio. Details can be found in the specific user information titled “Needle Holder”. The basic rule governing PLASMA needle holders is that needle length should never exceed ten times the width of the gripping surfaces within the gripping area.
- Do not use PLASMA needle holders for needles designed to pierce bone (for example sternum wire needles).
- Never change needle position when needle holder is closed: the shearing strengths thus generated damage the PLASMA gripping surface.
- Needle holders with PLASMA gripping surfaces should be repaired only by the manufacturer whenever possible. Third party repairs may cause damage that cannot always be corrected. Cleaning, disinfection and sterilisation must be performed prior to returning the instruments. A confirmation sheet can be obtained from the manufacturer.

3 SUPERPLAST/SUPERFLEX Instruments

3.1 Properties

SUPERPLAST/SUPERFLEX instruments are made of a metal alloy with shape memory. Two variants exist:

- SUPERPLAST instruments can be deformed at room temperature. Under the effect of ambient temperatures above 80° C (washing machine, autoclave) intraoperatively deformed instruments return to their initial shape.
- SUPERFLEX instruments are superelastic at room temperature. Under a load they are deformed. When the load is removed the instrument returns to its original shape.

The properties of shape memory are retained for an unlimited time if the instruments are used for the purposes for which they are intended.

3.2 Purpose

- SUPERPLAST instruments are plastically deformed when exposed to loads, which means that after removal of the load they retain their new shape. Recommended for inducing deformation: the instrument should be placed on two thumbs held parallel to each other while both index fingers press against the instrument from above. It is absolutely necessary that the limits of the bending radius as described under “Warning” be observed.
- SUPERPLAST instruments may be repeatedly deformed during surgery. To return the instrument manually to its original shape after surgery is neither necessary nor does it serve any purpose. The instrument will automatically return to its straight initial shape during cleaning/sterilization.
- SUPERFLEX instruments react with superelasticity to applied exterior force. Instrument dimensions are in every instance adapted to the given anatomical pressure data. Examples: spreaders, probes.

3.3 Processing

See user information referring to the reprocessing of re-sterilizable instruments according to EN ISO 17664.

SUPERPLAST/SUPERFLEX instruments may be cleaned and sterilized together with conventional stainless steel instruments using the same technique. Steam sterilization is recommended to activate the shape memory of SUPERPLAST instruments. The following is important:

- SUPERPLAST instruments must be arranged so that the return to their straight shape is not inhibited by environmental factors, such as proximity of other instruments or tight spaces.
- After sterilizing allow instruments to cool to room temperature.

3.4 Cautionary Statements

The following should be noted when using and handling the instruments:

- When deforming SUPERPLAST instruments it is imperative that nothing smaller than minimum bending radiuses are used. Basic rule: the bending radius must never be less than ten times the material thickness.
- Example: The thickness of a coronary probe is about 0.8 mm at a distance of about 30 mm from the distal tip of the probe. This permits a permissible minimum bending radius of 8 mm, corresponding to an arc diameter of about 16 mm.
- Or: Brain spreaders are usually 1 mm thick. Thus the permissible minimum bending radius is about 10 mm.

Remaining below the permissible bending radius affects shape memory. The result is that during cleaning/sterilizing the instrument will still straighten but a complete return to the straight original shape can no longer be achieved: one ends up with a slightly bent instrument.

- If used correctly as intended, damage to the instruments is largely avoided. Nevertheless, if damage occurs – perhaps caused by abuse – only the manufacturer can determine whether it can be corrected and make repairs to the degree it is technically possible. Cleaning, disinfection and sterilisation must be performed prior to returning the instruments. A confirmation sheet can be obtained from the manufacturer.

4 Conclusion

The important basic rule that applies without reservations: User information and statements urging caution are useful only if they are made known to personnel within the framework of good hospital organisation and if adherence to rules is regularly monitored.

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GmbH & Co. KG

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63791 Karlstein
Tel.: +49(0) 6188 – 9574-0

Item no.	Cat. no.	Page no.
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BRA-0L	1	15
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BRA-6L	1	15
BRA-7	1	15
BRA-7L	1	15
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BSL-0	1	13
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