**Titanium Soft Touch with DeBakey Jaws**

Fig.	Length	jaw	Art.-No.
A	15.0 cm/6"	1.0 mm	10-0315
A	19.5 cm/7 1/2"	1.0 mm	10-0316
A	24.0 cm/9 1/2"	1.0 mm	10-0317
B	15.0 cm/6"	1.5 mm	10-0320
B	19.5 cm/7 1/2"	1.5 mm	10-0322
B	24.0 cm/9 1/2"	1.5 mm	10-0324
C	15.0 cm/6"	1.8 mm	10-0330
C	19.5 cm/7 1/2"	1.8 mm	10-0332
C	24.0 cm/9 1/2"	1.8 mm	10-0334

Titanium Soft Touch with DeBakey Jaws

Fig.	Length	jaw	Art.-No.
D	15.0 cm/6"	2.0 mm	10-0336
D	19.5 cm/7 1/2"	2.0 mm	10-0337
D	24.0 cm/9 1/2"	2.0 mm	10-0338
E	15.0 cm/6"	2.8 mm	10-0340
E	19.5 cm/7 1/2"	2.8 mm	10-0341
E	24.0 cm/9 1/2"	2.8 mm	10-0342

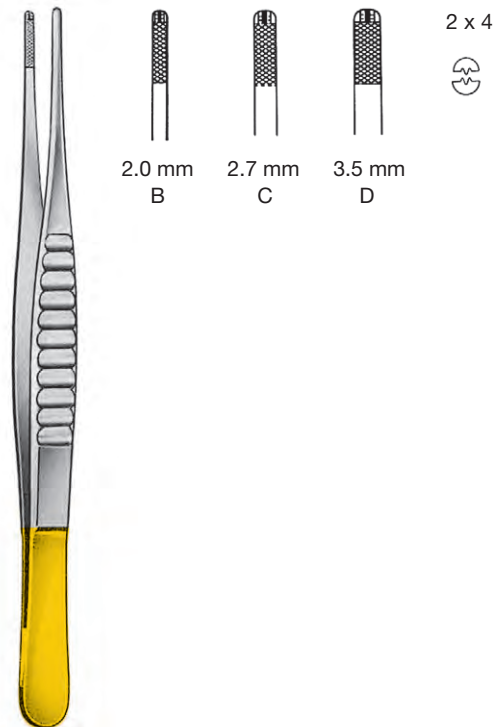
Liddicoat Titanium Soft Touch with DeBakey Jaws

Fig.	Length	jaw	Art.-No.
F	15.0 cm/6"	1.8 mm	10-0300
F	19.5 cm/7 1/2"	1.8 mm	10-0302
F	24.0 cm/9 1/2"	1.8 mm	10-0304
G	15.0 cm/6"	2.25 mm	10-0301
G	19.5 cm/7 1/2"	2.25 mm	10-0303
G	24.0 cm/9 1/2"	2.25 mm	10-0305



1.5 mm
A

2 x 4



2.0 mm
B

2.7 mm
C

3.5 mm
D

2 x 4



Needlepulling TC with DeBaakey Jaws

Fig.	Length	jaw	Art.-No.
A	15.0 cm/6"	1.5 mm	10-0610
A	19.5 cm/7½"	1.5 mm	10-0612
A	24.0 cm/9½"	1.5 mm	10-0614

Needlepulling TC with DeBaakey Jaws

Fig.	Length	jaw	Art.-No.
B	15.0 cm/6"	2.0 mm	10-0626
B	19.5 cm/7½"	2.0 mm	10-0627
B	24.0 cm/9½"	2.0 mm	10-0628
C	15.0 cm/6"	2.7 mm	10-0636
C	19.5 cm/7½"	2.7 mm	10-0637
C	24.0 cm/9½"	2.7 mm	10-0638
D	15.0 cm/6"	3.5 mm	10-0646
D	19.5 cm/7½"	3.5 mm	10-0647
D	24.0 cm/9½"	3.5 mm	10-0648

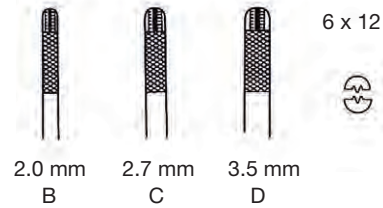
**Needlepulling TC with DeBakey Jaws**

Fig.	Length	jaw	Art.-No.
A	15.0 cm	1.5 mm	10-0600
A	19.5 cm	1.5 mm	10-0602
A	24.0 cm	1.5 mm	10-0604

Needlepulling TC with DeBakey Jaws

Fig.	Length	jaw	Art.-No.
B	15.0 cm	2.0 mm	10-0620
B	19.5 cm	2.0 mm	10-0622
B	24.0 cm	2.0 mm	10-0624
C	15.0 cm	2.7 mm	10-0630
C	19.5 cm	2.7 mm	10-0632
C	24.0 cm	2.7 mm	10-0634
D	15.0 cm	3.5 mm	10-0640
D	19.5 cm	3.5 mm	10-0642
D	24.0 cm	3.5 mm	10-0644



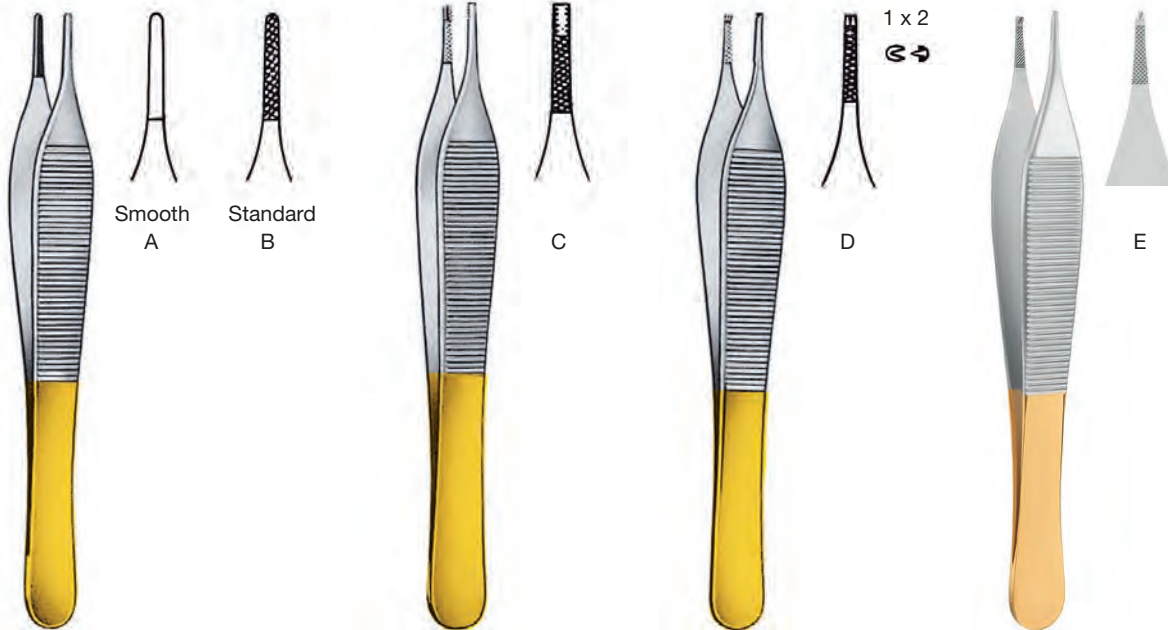
**Adson TC****Smooth**

Fig.	Length	Art.-No.
A	12.0 cm	10-0501

Standard

Fig.	Length	Art.-No.
B	12.0 cm	10-0500
B	15.0 cm	10-0502

Adson-Brown TC

Fig.	Length	Art.-No.
C	12.0 cm	10-0504
C	15.0 cm	10-0505

Adson TC

Fig.	Length	jaw	Art.-No.
D	12.0 cm	1.7 mm	10-0550
D	15.0 cm	1.7 mm	10-0552

Micro-Adson TC

Fig.	Length	jaw	Art.-No.
E	12.0 cm	1.0 mm	10-0551
E	15.0 cm	1.0 mm	10-0553

**Wangenstein TC**

Fig.	Length	Art.-No.
A	15.0 cm/6''	10-0545
A	23.0 cm/9''	10-0546
A	25.0 cm/10''	10-0547

McIndoe TC

Fig.	Length	Art.-No.
B	15.0 cm/6''	10-0508

Bayonet TC

Fig.	Length	Art.-No.
C	14.0 cm/5½''	10-0516
C	16.0 cm/6¼''	10-0517



A



B



C

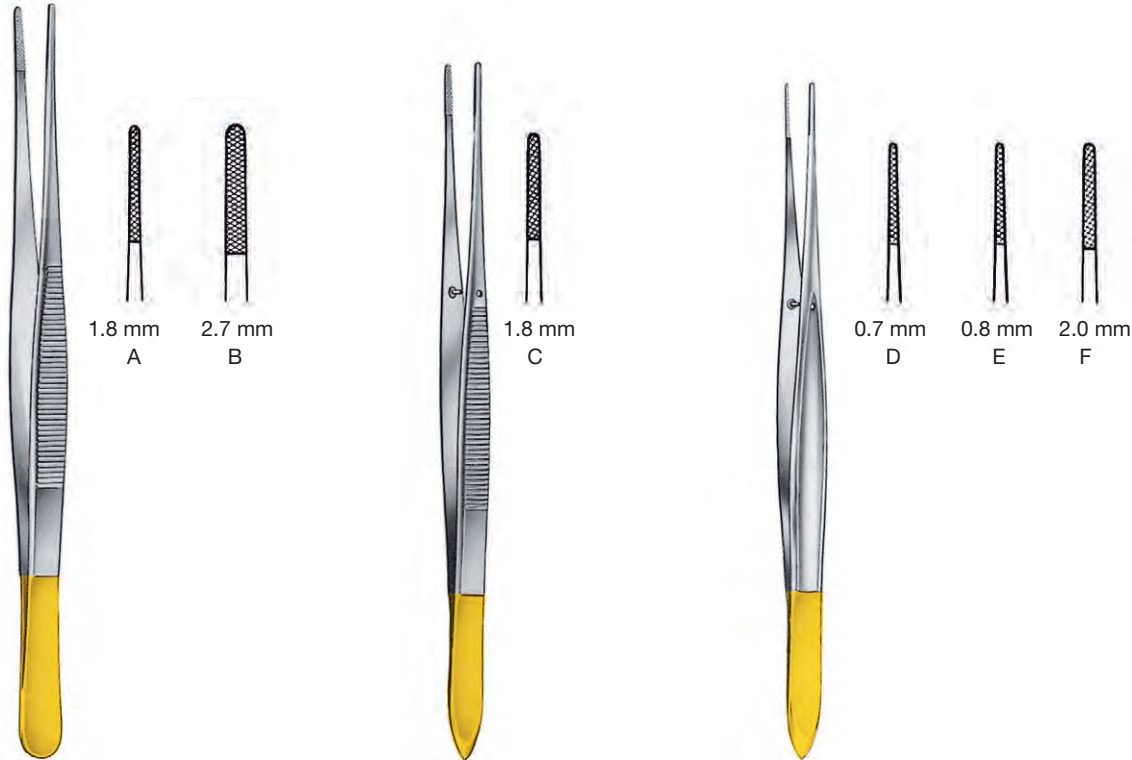
**Standard TC**

Fig.	Length	jaw	Art.-No.
A	14.5 cm	1.8 mm	10-0530
A	16.0 cm	1.8 mm	10-0532
A	18.0 cm	1.8 mm	10-0534
A	20.0 cm	1.8 mm	10-0535
A	23.0 cm	1.8 mm	10-0536
A	25.0 cm	1.8 mm	10-0537
B	14.5 cm	2.7 mm	10-0540
B	16.0 cm	2.7 mm	10-0541
B	18.0 cm	2.7 mm	10-0542
B	20.0 cm	2.7 mm	10-0543
B	23.0 cm	2.7 mm	10-0544

Potts-Smith TC with dissector

Fig.	Length	jaw	Art.-No.
C	18.0 cm	1.8 mm	10-0526
C	21.0 cm	1.8 mm	10-0527
C	23.0 cm	1.8 mm	10-0528
C	25.0 cm	1.8 mm	10-0529

Micro-Potts-Smith TC with dissector

Fig.	Length	jaw	Art.-No.
D	21.0 cm/8½"	0.7 mm	10-0507

Cushing TC with dissector, straight

Fig.	Length	jaw	Art.-No.
E	18.0 cm	0.8 mm	10-0513
F	18.0 cm	2.0 mm	10-0510

Angled

Fig.	Length	jaw	Art.-No.
F	18.0 cm	2.0 mm	10-0512
E	18.0 cm/7"	0.8 mm	10-0513.GB



Tissue Forceps with TC-Inserts

Oehler TC

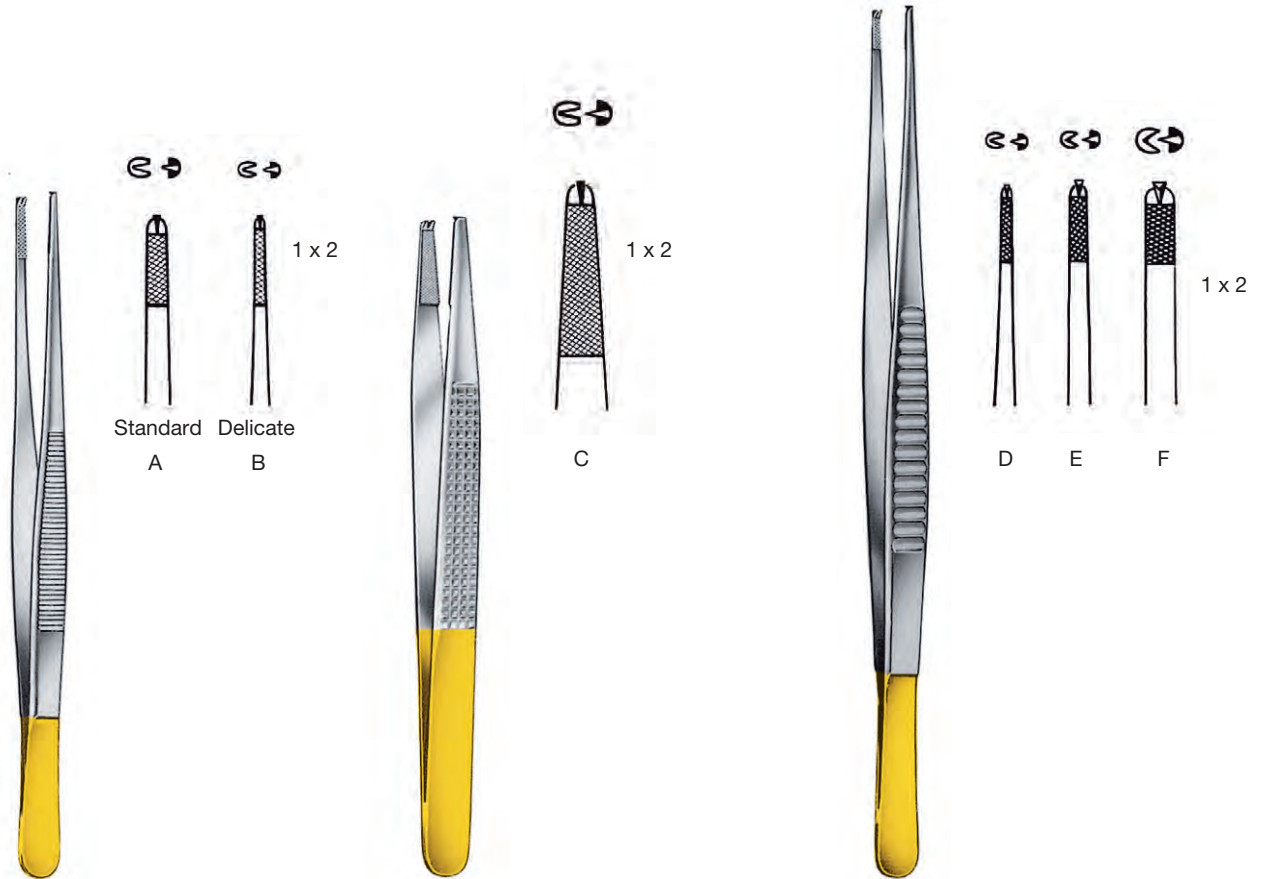
Fig.	Length	Art.-No.
A	14.5 cm	10-0560
A	16.0 cm	10-0561
A	18.0 cm	10-0562
A	20.0 cm	10-0563
A	25.0 cm	10-0564
Fig.	Length	Art.-No.
B	14.5 cm	10-0565
B	16.0 cm	10-0566
B	18.0 cm	10-0567
B	20.0 cm	10-0568
B	25.0 cm	10-0569

Bonney TC (Mod. Baker)

Fig.	Length	Art.-No.
C	17.0 cm	10-0585

Skinner TC

Fig.	Length	Size	Art.-No.
D	23.0 cm	S	10-0580
E	23.0 cm	M	10-0581
F	23.0 cm	L	10-0582



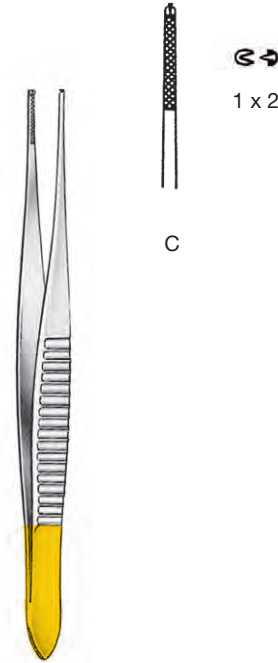
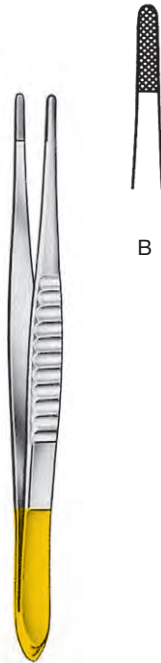
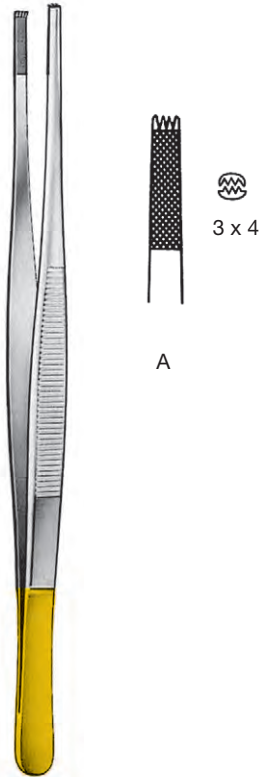
**Williams TC**

Fig.	Length	Art.-No.
A	20.0 cm/8"	10-0583

Mod. USA TC

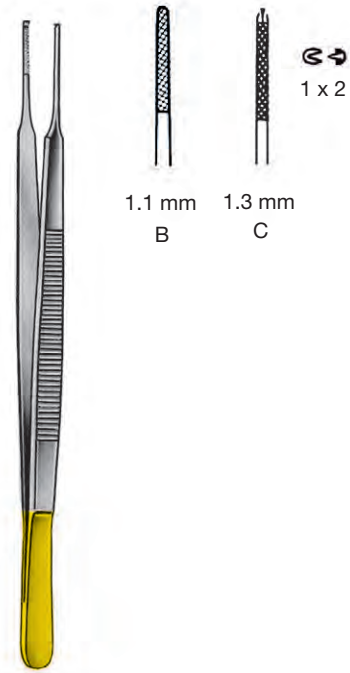
Fig.	Length	Art.-No.
B	15.0 cm/6"	10-0514

Gillies TC

Fig.	Length	Art.-No.
C	15.0 cm/6"	10-0575



0.7 mm
A



1.1 mm 1.3 mm
B C



D

Micro-Gerald TC

Fig.	Length	jaw	Art.-No.
A	18.0 cm/7"	0.7 mm	10-0519

Gerald TC

Fig.	Length	jaw	Art.-No.
B	18.0 cm/7"	1.1 mm	10-0518
C	18.0 cm/7"	1.3 mm	10-0570

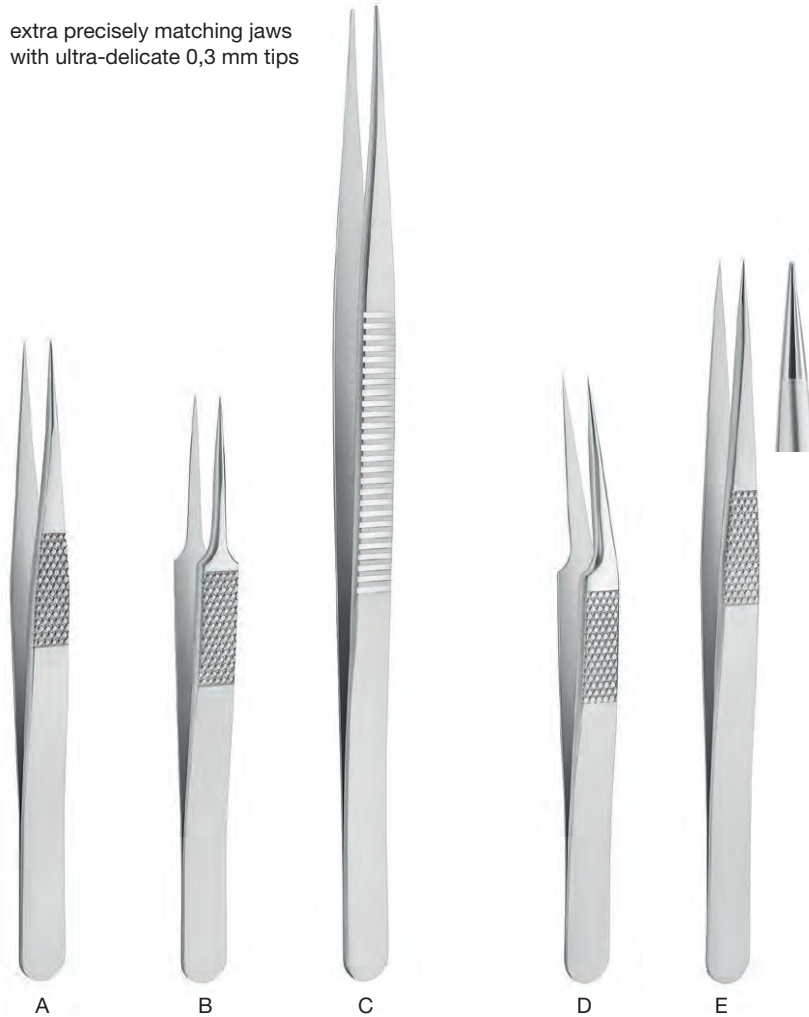
Evans TC

Fig.	Length	Art.-No.
D	25.0 cm/10"	10-0549

Grasping Forceps and Vessel Dilator's

GEISTER®

extra precisely matching jaws
with ultra-delicate 0,3 mm tips



SAPPHIRE™
Enhanced Needle Grip Surface

*Also available with Sapphire™-jaws on request
(add ".AS" behind the article no.)

Micro Jeweller's

Art-No.	Fig.	Length
10-3203 (*)	A	120 mm/4¾"
10-3204 (*)		135 mm/5¼"
10-3205 (*)	B	110 mm/4¼"
10-3213 (*)	C	180 mm/7"

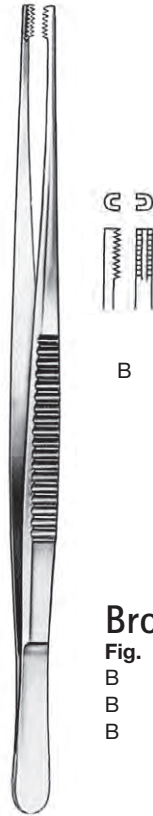
Vessel Dilator's

Art-No.	Fig.	Length	jaw	Width	
10-3200 (*)	D	110 mm/4¼"	0.2 mm	9 mm	with 10° angled dilation tips
10-3211		110 mm/4¼"	0.1 mm	8 mm	with 10° angled dilation tips
10-3212	E	135 mm/5¼"	0.3 mm	7 mm	straight
10-3218		135 mm/5¼"	0.3 mm	9 mm	straight
10-3219		135 mm/5¼"	0.2 mm	9 mm	straight



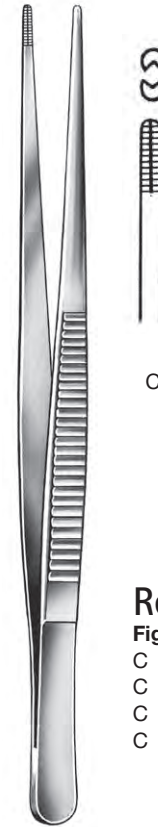
Adson-Brown

Fig.	Art.-No.	Length
A	10-1835	12.0 cm



Brown

Fig.	Art.-No.	Length
B	10-1841	15 cm/6"
B	10-1842	20 cm/8"
B	10-1843	25 cm/10"



Resano

Fig.	Art.-No.	Length
C	10-0250	18 cm/7"
C	10-0252	23 cm/9"
C	10-0252.TI	23 cm/9"
C	10-0254	25 cm/10"

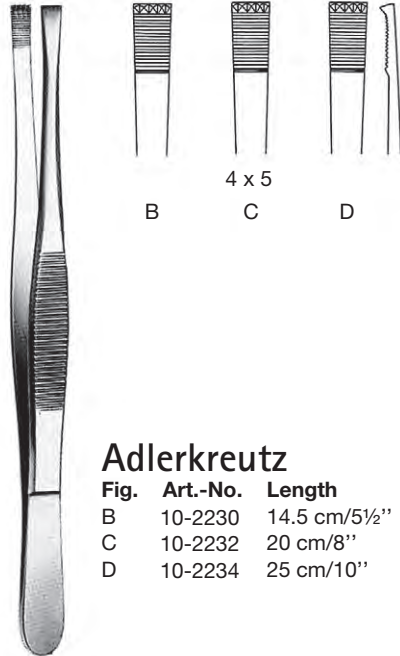
Titanium



2 x 3
A

Adlerkreutz

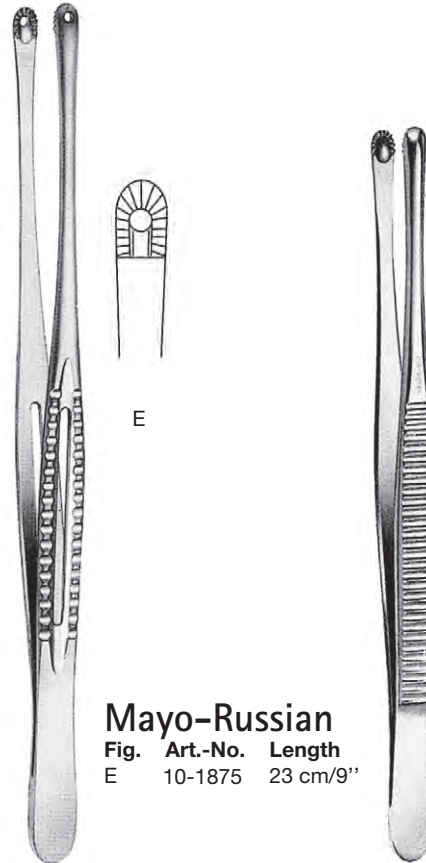
Fig.	Art.-No.	Length
A	10-2231	16 cm/6¼"



B C D
4 x 5

Adlerkreutz

Fig.	Art.-No.	Length
B	10-2230	14.5 cm/5½"
C	10-2232	20 cm/8"
D	10-2234	25 cm/10"



E F G H

Mayo-Russian

Fig.	Art.-No.	Length
E	10-1875	23 cm/9"

Russian

Fig.	Art.-No.	Length
F	10-1870	15 cm/6"
G	10-1871	20 cm/8"
H	10-1872	25 cm/10"



Jeweller's

No. 3
Art.-No. Length
10-3103 11 cm



No. 4
Art.-No. Length
10-3104 11 cm



No. 5
Art.-No. Length
10-3105 11 cm



No. 7
Art.-No. Length
10-3107 11 cm



A

Waugh

Fig.	Art.-No.	Length
A	10-2245	18 cm/7"
A	10-2246	20 cm/8"

for grasping
lung tissue**Tuttle**

Art.-No.	Length
10-1840	23 cm/9"
10-1844	30 cm/12"

1 x 2
B**Waugh**

Fig.	Art.-No.	Length
B	10-2249	15 cm/6"
B	10-2250	18 cm/7"
B	10-2251	20 cm/8"

1 x 2
C**Waugh**

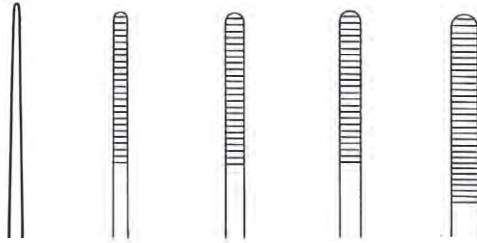
Fig.	Art.-No.	Length
C	10-2252	25 cm/10"
C	10-2253	30 cm/12"

**Lung**

Art.-No.	Length
10-1879	23 cm/9"



Dressing Forceps



	Length cm/”	pointed smooth	delicate	medium	slender	regular
Fig. Standard						
A	10.5/4				10-2020	10-2000
A	11.5/4½		10-2045		10-2022	10-2002
A	13.0/5		10-2046		10-2024	10-2004
A	14.5/5½		10-2047	10-2041	10-2026	10-2006
A	16.0/6¼				10-2028	10-2008
A	18.0/7				10-2030	10-2010
A	20.0/8	10-3002			10-2032	10-2012
A	23.0/9				10-2034	10-2014
A	25.0/10				10-2036	10-2016
A	30.0/12				10-2038	10-2018
Fig. Adson						
B	10-1740	12 cm				
B	10-1742	15 cm				
Fig. Micro-Adson						
C	10-1741	12 cm				
C	10-1743	15 cm				
Fig. Cushing						
D	10-1910	17.5 cm, straight				
D	10-1910.TI	17.5 cm, straight, Titanium				
D	10-1911	17.5 cm, curved				





	Length	delicate	slender	regular	wide
Fig. Standard 1 x 2					
A	10,5 cm			10-2100	
A	11.5 cm	10-2130	10-2122	10-2102	
A	13.0 cm	10-2131	10-2124	10-2104	10-2140
A	14.5 cm	10-2132	10-2126	10-2106	10-2142
A	16.0 cm		10-2128	10-2108	10-2144
A	18.0 cm			10-2110	10-2146
A	20.0 cm			10-2112	10-2148
A	23.0 cm			10-2114	
A	25.0 cm			10-2116	
A	30.0 cm			10-2118	
Gerald 1 x 2					
Fig.	Art.-No.	Length			
B	10-2200	18 cm	straight		
C	10-2201	18 cm	curved		
B	10-1551	23.5 cm	straight		
Gerald Bayonet 1 x 2					
Fig.	Art.-No.	Length			
D	10-2202	18 cm			



Dressing Forceps

Semken

Fig.	Art.-No.	Length
A	10-1880	13.0 cm, straight
A	10-1881	13.0 cm, curved
A	10-1882	14.5 cm, straight
A	10-1883	14.5 cm, curved

McIndoe

Fig.	Art.-No.	Length
B	10-1890	15 cm/6"

Gillies

Fig.	Art.-No.	Length
C	10-1895	15 cm/6"

Gerald

Fig.	Art.-No.	Length
D	10-1900	18.0 cm, straight
D	10-1901	18.0 cm, curved
D	10-1550	24.0 cm, straight

Gerald Bayonet

Fig.	Art.-No.	Length
E	10-1902	18.0 cm, straight



A



B



C



D



E

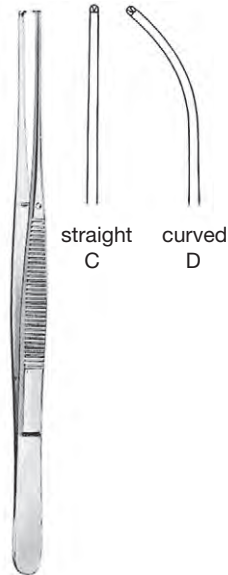
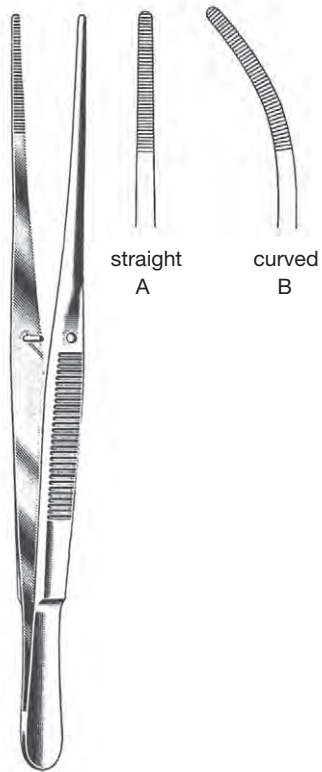
**Brophy (Steinbach)**

Fig.	Art.-No.	Length	
A	10-1915	20 cm/8"	straight
B	10-1916	20 cm/8"	curved

Semken 1 x 2

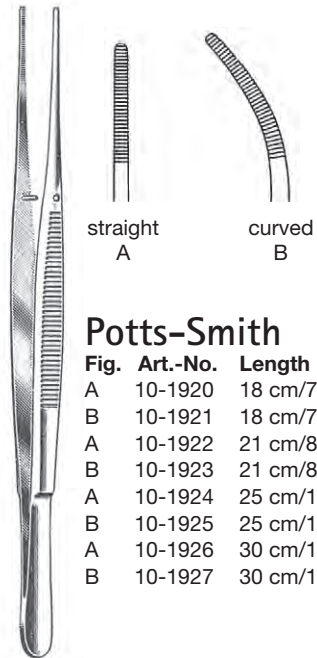
Fig.	Art.-No.	Length	
C	10-2170	13 cm/5"	straight
D	10-2171	13 cm/5"	curved
C	10-2172	15.5 cm/6¼"	straight
D	10-2173	15.5 cm/6¼"	curved

McIndoe 1 x 2

Fig.	Art.-No.	Length
E	10-2190	15 cm/6"

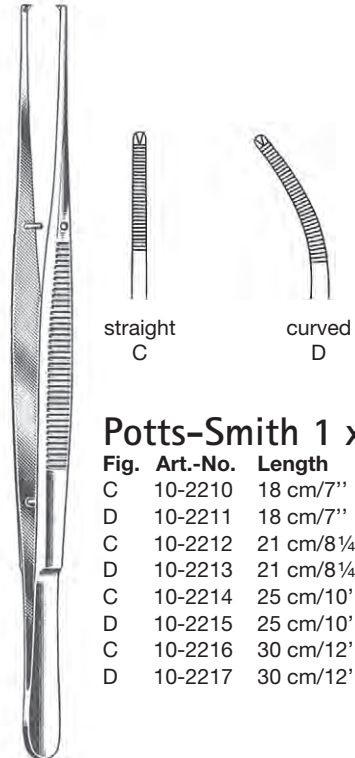
Gillies 1 x 2

Fig.	Art.-No.	Length
F	10-2195	15 cm/6"



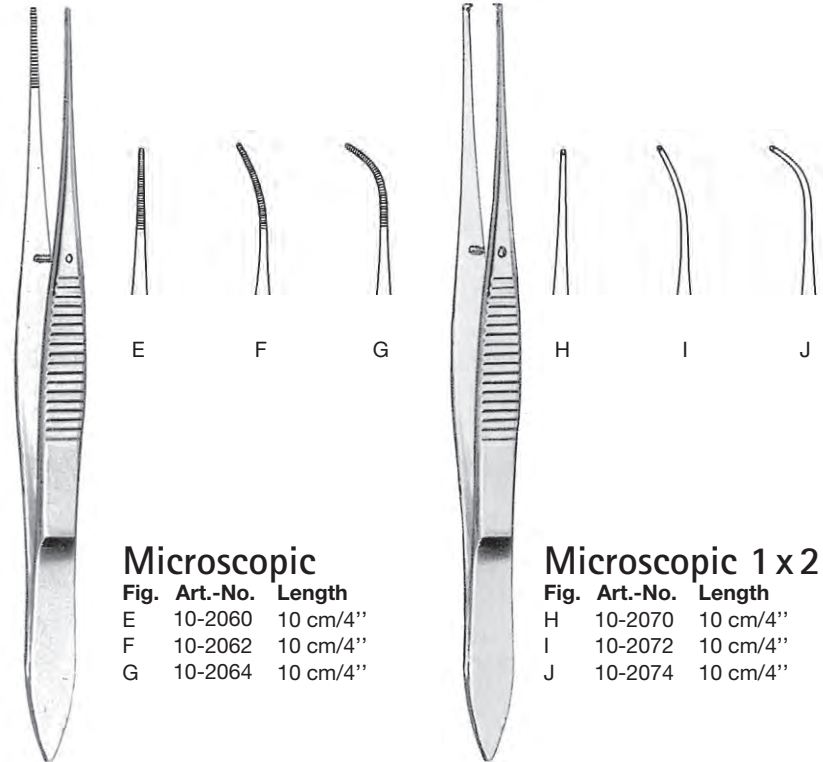
Potts-Smith

Fig.	Art.-No.	Length
A	10-1920	18 cm/7"
B	10-1921	18 cm/7"
A	10-1922	21 cm/8¼"
B	10-1923	21 cm/8¼"
A	10-1924	25 cm/10"
B	10-1925	25 cm/10"
A	10-1926	30 cm/12"
B	10-1927	30 cm/12"



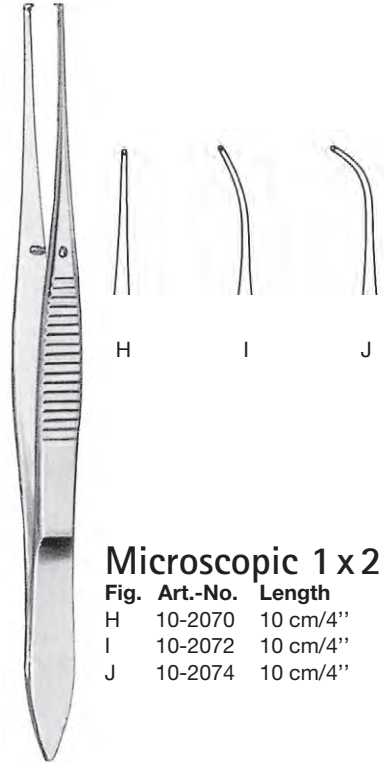
Potts-Smith 1 x 2

Fig.	Art.-No.	Length
C	10-2210	18 cm/7"
D	10-2211	18 cm/7"
C	10-2212	21 cm/8¼"
D	10-2213	21 cm/8¼"
C	10-2214	25 cm/10"
D	10-2215	25 cm/10"
C	10-2216	30 cm/12"
D	10-2217	30 cm/12"



Microscopic

Fig.	Art.-No.	Length
E	10-2060	10 cm/4"
F	10-2062	10 cm/4"
G	10-2064	10 cm/4"



Microscopic 1 x 2

Fig.	Art.-No.	Length
H	10-2070	10 cm/4"
I	10-2072	10 cm/4"
J	10-2074	10 cm/4"

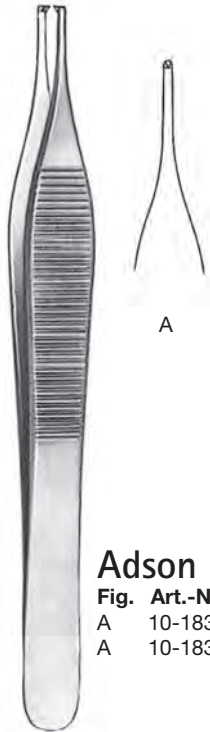
**Adson 1 x 2**

Fig.	Art.-No.	Length
A	10-1832	12 cm
A	10-1838	15 cm

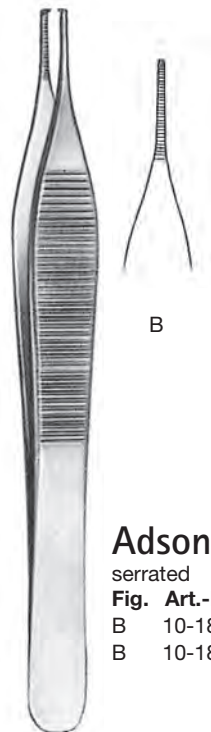
**Adson 1 x 2**
serrated

Fig.	Art.-No.	Length
B	10-1831	12 cm
B	10-1837	15 cm

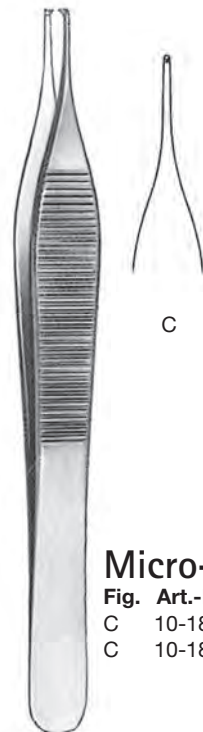
**Micro-Adson 1 x 2**

Fig.	Art.-No.	Length
C	10-1833	12 cm
C	10-1839	15 cm

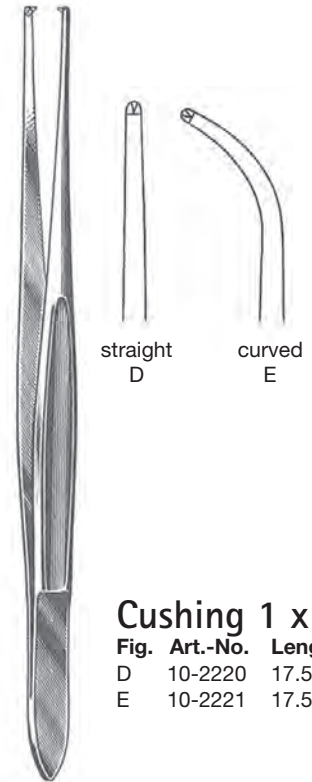
**Cushing 1 x 2**

Fig.	Art.-No.	Length
D	10-2220	17.5 cm/6½"
E	10-2221	17.5 cm/6½"



Dressing and Tissue Forceps

10-1750



10-1751



10-1834



10-1752





Broli-Adson

Fig.	Art.-No.	Length mm	Jaw mm
A	10-1750	150	1,2

curved

Fig.	Art.-No.	Length mm	Jaw mm
B	10-1752	150	1,2



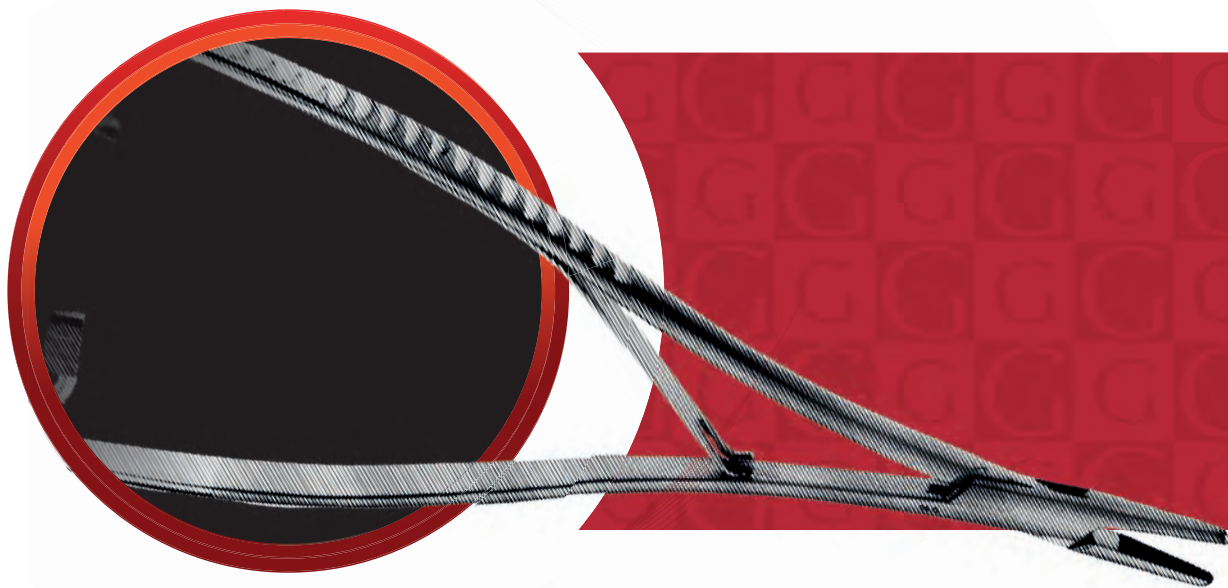
Broli-Adson 1x2

Fig.	Art.-No.	Length mm	Jaw mm
C	10-1751	150	1,2

curved

Fig.	Art.-No.	Length mm	Jaw mm
D	10-1834	150	1,2

* bold = shown





Needle Holders | Wire Twisters and Pliers



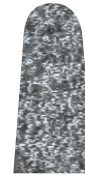
Needle Holders with TC-Inserts





TC-Insert Styles

Serration pitch



(S) **SAPPHIRE™**
Enhanced Needle Grip Surface



(S) **Smooth**
0 teeth PSI



(M) **Micro**
16000 teeth PSI
0.2 – 0.3 mm



(F) **Fine**
4000 teeth PSI
0.4 mm



(N) **Standard**
2600 teeth PSI
0.5 mm



(C) **Coarse**
1500 teeth PSI
0.65 mm



Needle Holders



24-0360

24-0132

24-0350

24-0311

DeBakey-type

Fig.	Art.-No.	length mm / "	Insert / Tip
A	24-0360	180 / 7	ⓕ 1,5 mm
A	24-0361	200 / 8	ⓕ 1,5 mm
A	24-0362	230 / 9	ⓕ 1,5 mm
A	24-0363	260 / 10 ¼	ⓕ 1,5 mm
A	24-0364	300 / 11 ¾	ⓕ 1,5 mm



A

Titanium

Fig.	Art.-No.	length mm / "	Insert / Tip
A	24-0360.TI	180 / 7	ⓕ 1,5 mm
A	24-0361.TI	200 / 8	ⓕ 1,5 mm
A	24-0363.TI	250 / 10	ⓕ 1,9 mm



C

Micro-Vascular

(DeBakey delicate)

Fig.	Art.-No.	length mm / "	Insert / Tip
B	24-0350	150 / 6	Ⓜ 1,2 mm
B	24-0351	180 / 7	Ⓜ 1,2 mm
B	24-0352	200 / 8	Ⓜ 1,2 mm
B	24-0353	230 / 9	Ⓜ 1,2 mm



B



D

Mayo-Hegar

Fig.	Art.-No.	length mm / "	Insert / Tip
C	24-0129	140 / 5 ½	Ⓝ 2,0 mm
C	24-0130	160 / 6 ¼	Ⓝ 2,5 mm
C	24-0131	180 / 7	Ⓝ 2,7 mm
C	24-0132	200 / 8	Ⓝ 2,7 mm
C	24-0133	240 / 9 ½	Ⓝ 2,7 mm
C	24-0134	260 / 10 ¼	Ⓝ 2,7 mm
C	24-0135	300 / 11 ¾	Ⓝ 2,7 mm

Titanium

Fig.	Art.-No.	length mm / "	Insert / Tip
C	24-0130.TI	160 / 6 ¼	Ⓝ 2,5 mm
C	24-0131.TI	180 / 7	Ⓝ 2,7 mm
C	24-0132.TI	200 / 8	Ⓝ 2,7 mm

Crile-Wood

Fig.	Art.-No.	length mm / "	Insert / Tip
D	24-0310	150 / 6	ⓕ 2,0 mm
D	24-0311	180 / 7	ⓕ 2,0 mm
D	24-0312	200 / 8	ⓕ 2,0 mm
D	24-0313	230 / 9	ⓕ 2,0 mm
D	24-0314	260 / 10 ¼	ⓕ 2,0 mm
D	24-0315	300 / 11 ¾	ⓕ 2,0 mm
D	24-0308	150 / 6	Ⓢ 1,7 mm

* bold = shown





Needle Holders



24-0331

24-0510

24-0501

24-0500

24-0536



Bavaria

Fig.	Art.-No.	length mm / "	Insert / Tip
A	24-0510	230 / 9	Ⓝ 2,1 mm
A	24-0512	260 / 10 ¼	Ⓝ 2,1 mm

Ideally for larger needles and procedures demanding superior needle control.



Sarot

Fig.	Art.-No.	length mm / "	Insert / Tip
B	24-0331	180 / 7	ⓕ 1,9 mm
B	24-0332	200 / 8	ⓕ 1,9 mm
B	24-0333	230 / 9	ⓕ 1,9 mm
B	24-0334	260 / 10 ¼	ⓕ 1,9 mm

* **bold** = shown



Geister-Vascular

Fig.	Art.-No.	length mm / "	Insert / Tip
C	24-0496	130 / 5	ⓓ 1,2 mm
C	24-0498	165 / 6 ½	ⓓ 1,2 mm
C	24-0500	180 / 7	ⓓ 1,2 mm
C	24-0502	200 / 8	ⓓ 1,2 mm
C	24-0504	230 / 9	ⓓ 1,2 mm
C	24-0506	250 / 10	ⓓ 1,2 mm

Titanium

Fig.	Art.-No.	length mm / "	Insert / Tip
C	24-0530	125 / 5	ⓓ 1,2 mm
C	24-0532	145 / 5 ¾	ⓓ 1,2 mm
C	24-0534	175 / 7	ⓓ 1,2 mm
C	24-0536	200 / 8	ⓓ 1,2 mm
C	24-0538	225 / 8 ¾	ⓓ 1,2 mm

For a secure but gentle grip of needles and sutures without damage in General Surgery, Cardiovascular Surgery, Plastic Surgery, Urology



Geister-Vascular-Ryder

Fig.	Art.-No.	length mm / "	Insert / Tip
D	24-0497	130 / 5	ⓓ 1,2 mm
D	24-0499	170 / 6 ¾	ⓓ 1,2 mm
D	24-0501	180 / 7	ⓓ 1,2 mm
D	24-0503	190 / 7 ½	ⓓ 1,2 mm
D	24-0505	230 / 9	ⓓ 1,2 mm
D	24-0507	250 / 10	ⓓ 1,2 mm

SAPPHIRE™
Enhanced Needle Grip Surface



Ⓝ



ⓕ





Needle Holders



24-0343

24-0348

24-0401

24-0414

24-0322

24-0446

Neurosurgical

(French Eye (Ryder) delicate)



Fig.	Art.-No.	length mm / "	Insert / Tip
A	24-0346	130 / 5	ⓕ 1,7 mm
A	24-0348	130 / 5	Ⓢ 1,7 mm
A	24-0347	150 / 6	ⓕ 1,7 mm
A	24-0349	150 / 6	Ⓢ 1,7 mm

French-Eye (Ryder)



Fig.	Art.-No.	length mm / "	Insert / Tip
B	24-0341	160 / 6 ¼	ⓕ 2,1 mm
B	24-0342	180 / 7	ⓕ 2,1 mm
B	24-0343	200 / 8	ⓕ 2,1 mm
B	24-0344	240 / 9 ½	ⓕ 2,1 mm
B	24-0345	260 / 10 ¼	ⓕ 2,1 mm

Mini-Ryder

Fig.	Art.-No.	length mm / "	Insert / Tip
C	24-0410	130 / 5	Ⓜ 1,2 mm
C	24-0412	150 / 6	Ⓜ 1,2 mm
C	24-0413	180 / 7	Ⓜ 1,2 mm
C	24-0414	200 / 8	Ⓜ 1,2 mm
C	24-0415	230 / 9	Ⓜ 1,2 mm

Titanium



Fig.	Art.-No.	length mm / "	Insert / Tip
C	24-0410.TI	130 / 5	Ⓜ 1,2 mm
C	24-0412.TI	160 / 6 ¼	Ⓜ 1,8 mm
C	24-0413.TI	180 / 7	Ⓜ 1,8 mm
C	24-0414.TI	200 / 8	Ⓜ 1,8 mm

* bold = shown

Lemmon



Fig.	Art.-No.	length mm / "	Insert / Tip
D	24-0400	145 / 5 ¾	Ⓜ 1,6 mm
D	24-0401	170 / 6 ¾	Ⓜ 1,6 mm
D	24-0402	195 / 7 ¾	Ⓜ 1,6 mm

Eufrate-Pasqué



Fig.	Art.-No.	length mm / "	Insert / Tip
E	24-0444	140 / 5 ½	Ⓜ 1,2 mm
E	24-0445	150 / 6	Ⓜ 1,2 mm
E	24-0446	180 / 7	Ⓜ 1,2 mm
E	24-0447	200 / 8	Ⓜ 1,2 mm
E	24-0439	140 / 5 ½	Ⓢ 1,2 mm
E	24-0440	150 / 6	Ⓢ 1,2 mm
E	24-0441	180 / 7	Ⓢ 1,2 mm
E	24-0442	200 / 8	Ⓢ 1,2 mm

Intracardiac



Fig.	Art.-No.	length mm / "	Insert / Tip
F	24-0322	180 / 7	ⓕ 1,7 mm
F	24-0323	200 / 8	ⓕ 1,7 mm
F	24-0324	230 / 9	ⓕ 1,7 mm
F	24-0325	260 / 10 ¼	ⓕ 1,7 mm

SAPPHIRE™
Enhanced Needle Grip Surface



(N)



(F)



(M)





Needle Holders



24-0255

24-0258

24-0228

03-0270

24-1141



Gianni Heavy

with ratchet

Fig.	Art.-No.	length mm / "	Insert / Tip
A	24-0258	260 / 10 ¼	Ⓔ 1,9 mm



Gianni

with ratchet

Fig.	Art.-No.	length mm / "	Insert / Tip
B	24-0255	240 / 9 ½	Ⓜ 1,3 mm

Castroviejo / Hepp-Scheidel

with ratchet



Fig.	Art.-No.	length mm / "	Insert / Tip
C	24-0250	130 / 5	Ⓢ 1,2 mm
C	24-0252	130 / 5	Ⓜ 1,2 mm
C	03-0270	180 / 7	Ⓜ 1,2 mm

Diethrich Ryder

with ratchet



Fig.	Art.-No.	length mm / "	Insert / Tip
D	24-0420	150 / 6	Ⓜ 1,2 mm
D	24-0421	180 / 7	Ⓜ 1,2 mm
D	24-0422	200 / 8	Ⓜ 1,2 mm
D	24-0423	230 / 9	Ⓜ 1,2 mm
D	24-0424	250 / 10	Ⓜ 1,4 mm

Fairgrip™ ultra

with ratchet



Fig.	Art.-No.	length mm / "	Insert / Tip
E	24-1140	180 / 7	Ⓜ 1,2 mm
E	24-1150	210 / 8 ¼	Ⓜ 1,2 mm
E	24-1160	230 / 9	Ⓜ 1,2 mm
F	24-1141	180 / 7	Ⓜ 1,2 mm
F	24-1151	210 / 8 ¼	Ⓜ 1,2 mm
F	24-1161	230 / 9	Ⓜ 1,2 mm

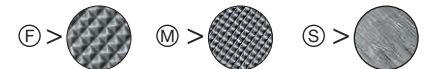
Castroviejo

with ratchet



Fig.	Art.-No.	length mm / "	Insert / Tip
G	24-0200	145 / 5 ¾	Ⓢ 1,2 mm
G	24-0220	145 / 5 ¾	Ⓜ 1,2 mm
H	24-0201	145 / 5 ¾	Ⓢ 1,2 mm
H	24-0221	145 / 5 ¾	Ⓜ 1,2 mm
G	24-0204	180 / 7	Ⓢ 1,2 mm
G	24-0224	180 / 7	Ⓜ 1,2 mm
H	24-0205	180 / 7	Ⓢ 1,2 mm
H	24-0225	180 / 7	Ⓜ 1,2 mm
G	24-0208	220 / 8 ¾	Ⓢ 1,2 mm
G	24-0228	220 / 8 ¾	Ⓜ 1,2 mm
H	24-0209	220 / 8 ¾	Ⓢ 1,2 mm
H	24-0229	220 / 8 ¾	Ⓜ 1,2 mm

* bold = shown



24-0423





Needle Holders

24-0830



24-0379



24-0763



24-0150



24-0764





A

Hegar

Fig.	Art.-No.	length mm / "	Insert / Tip
A	24-0150	200 / 8	Ⓝ 3,5 mm



B

Crile-Wood

with extended ring

Fig.	Art.-No.	length mm / "	Insert / Tip
B	24-0762	200 / 8	Ⓜ 2,0 mm
B	24-0764	220 / 8 ¾	Ⓜ 2,0 mm
B	24-0766	240 / 9 ½	Ⓜ 2,0 mm



C

Masson

Fig.	Art.-No.	length mm / "	Insert / Tip
C	24-0830	265 / 10 ½	Ⓝ 3,2 mm



D

Wangenstein

Fig.	Art.-No.	length mm / "	Insert / Tip
D	24-0379	270 / 10 ½	Ⓜ 2,4 mm



E

Mod. DeBakey-type

with extended ring

Fig.	Art.-No.	length mm / "	Insert / Tip
E	24-0761	170 / 6 ¾	Ⓜ 1,7 mm
E	24-0763	200 / 8	Ⓜ 1,7 mm
E	24-0767	250 / 10	Ⓜ 1,7 mm

* bold = shown





Needle Holders



24-0158

24-0318

24-0146

24-0148



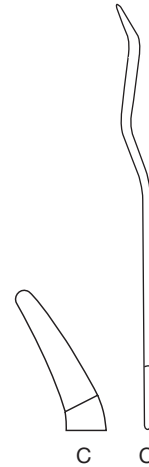
Heaney

Fig.	Art.-No.	length mm / "	Insert / Tip
A	24-0145	210 / 8 ¼	ⓕ 2,6 mm
A	24-0146	240 / 9 ½	ⓕ 2,6 mm
A	24-0147	270 / 10 ½	ⓕ 2,6 mm



Finochietto

Fig.	Art.-No.	length mm / "	Insert / Tip
B	24-0148	210 / 8 ¼	ⓕ 2,5 mm
B	24-0149	270 / 10 ½	ⓕ 2,5 mm



Bozemann-Finochietto

Fig.	Art.-No.	length mm / "	Insert / Tip
C	24-0158	200 / 8	ⓕ 2,5 mm
C	24-0159	270 / 10 ½	ⓕ 2,5 mm



Crile-Wood

curved

Fig.	Art.-No.	length mm / "	Insert / Tip
D	24-0306	130 / 5	ⓕ 1,8 mm
D	24-0316	150 / 6	ⓕ 1,8 mm
D	24-0317	180 / 7	ⓕ 1,8 mm
D	24-0318	200 / 8	ⓕ 1,8 mm
D	24-0319	230 / 9	ⓕ 2,0 mm

* bold = shown





24-0140



24-0156



24-0370



24-0371





A

Masson-Lüthy

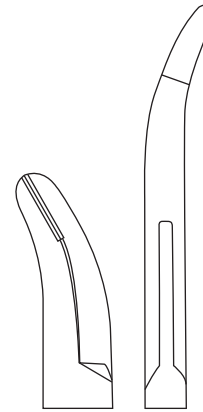
Fig.	Art.-No.	length mm / "	Insert / Tip
A	24-0156	200 / 8	Ⓝ 2,5 mm
A	24-0157	260 / 10 ¼	Ⓝ 2,5 mm



B

Bozemann (Wertheim)

Fig.	Art.-No.	length mm / "	Insert / Tip
B	24-0140	200 / 8	Ⓝ 2,5 mm
B	24-0141	230 / 9	ⓕ 2,5 mm
B	24-0142	260 / 10 ¼	ⓕ 2,5 mm
B	24-0143	290 / 11 ½	ⓕ 2,5 mm

* **bold** = shown

C

C

Stratte reverse

Fig.	Art.-No.	length mm / "	Insert / Tip
C	24-0373	205 / 8	ⓕ 2,7 mm
C	24-0371	235 / 9 ¼	ⓕ 2,7 mm



D

D

Stratte

Fig.	Art.-No.	length mm / "	Insert / Tip
D	24-0372	205 / 8	ⓕ 2,7 mm
D	24-0370	235 / 9 ¼	ⓕ 2,7 mm





Needle Holders





A

Baumgartner

Fig.	Art.-No.	length mm / "	Insert / Tip
A	24-0302	130 / 5	Ⓝ 2,6 mm



B

Derf

Fig.	Art.-No.	length mm / "	Insert / Tip
B	24-0305	120 / 4 ¾	ⓕ 1,4 mm



C

Swedish

Fig.	Art.-No.	length mm / "	Insert / Tip
C	24-0490	140 / 5 ½	ⓕ 1,7 mm



D

Webster

Fig.	Art.-No.	length mm / "	Insert / Tip
D	24-0292	120 / 4 ¾	Ⓢ 1,4 mm
D	24-0291	120 / 4 ¾	Ⓜ 1,4 mm



E

Halsey

Fig.	Art.-No.	length mm / "	Insert / Tip
E	24-0301	130 / 5	ⓕ 1,5 mm

Titanium

Fig.	Art.-No.	length mm / "	Insert / Tip
E	24-0301.TI	130 / 5	ⓕ 1,8 mm



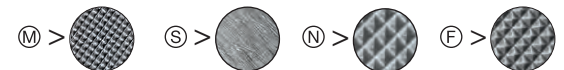
F

Baby Crile-Wood

Fig.	Art.-No.	length mm / "	Insert / Tip
F	24-0307	150 / 6	ⓕ 1,7 mm

Titanium

Fig.	Art.-No.	length mm / "	Insert / Tip
F	24-0307.TI	160 / 6 ¼	ⓕ 1,7 mm

* **bold** = shown



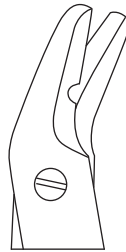
26-0140

24-0303

24-0304

24-0160

24-0167



A

Universal TC Wire Cutter

Fig. A Art.-No. length mm / "
A 26-0140 120 / 4 ¾



B

Olsen-Hegar mini

with cutting edge

Fig. B Art.-No. length mm / " Insert / Tip
B 24-0160 120 / 4 ¾ ⓔ 1,8 mm



C

Neivert (Offset Ring)

Fig. C Art.-No. length mm / " Insert / Tip
C 24-0304 130 / 5 Ⓜ 1,7 mm



D

D

Kilner

Fig. D Art.-No. length mm / " Insert / Tip
D 24-0303 140 / 5 ½ ⓔ 1,6 mm



E

Gillies

with cutting edge

Fig. E Art.-No. length mm / " Insert / Tip
E 24-0167 160 / 6 ¼ ⓔ 2,2 mm

* bold = shown





24-0042

24-0047

24-0050



A

Zweifel

Fig.	Art.-No.	length mm / "	Insert / Tip
A	24-0050	200 / 8	Ⓝ 2,9 mm



B

Mathieu

Fig.	Art.-No.	length mm / "	Insert / Tip
B	24-0040	140 / 5 ½	ⓕ 2,4 mm
B	24-0041	170 / 6 ¾	Ⓝ 2,4 mm
B	24-0042	200 / 8	Ⓝ 2,4 mm



C

Mathieu

Internal ratchet

Fig.	Art.-No.	length mm / "	Insert / Tip
C	24-0046	170 / 6 ¾	Ⓝ 2,9 mm
C	24-0047	200 / 8	Ⓝ 2,9 mm
C	24-0048	230 / 9	ⓕ 2,9 mm

* **bold** = shown







Left-hand Mayo-Hegar

Fig.	Art.-No.	length mm / "	Insert / Tip
A	24-7530.LH	160 / 6 ¼	ⓕ 2,3 mm
A	24-7531.LH	190 / 7 ½	Ⓝ 2,3 mm
A	24-7532.LH	200 / 8	Ⓝ 2,5 mm



Left-hand Baumgartner

Fig.	Art.-No.	length mm / "	Insert / Tip
C	24-7582.LH	130 / 5	ⓕ 2,2 mm



Left-hand French-Eye (Ryder)

Fig.	Art.-No.	length mm / "	Insert / Tip
B	24-7560.LH	160 / 6 ¼	ⓕ 1,9 mm
B	24-7561.LH	180 / 7	ⓕ 1,9 mm



Left-hand DeBakey-type

Fig.	Art.-No.	length mm / "	Insert / Tip
D	24-7550.LH	180 / 7	ⓕ 2,0 mm
D	24-7552.LH	230 / 9	ⓕ 2,0 mm
D	24-7553.LH	260 / 10 ¼	ⓕ 2,0 mm
D	24-7554.LH	300 / 11 ¾	ⓕ 2,0 mm

* **bold** = shown





24-0119

24-0128

24-0127



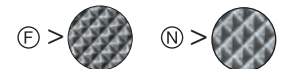
A

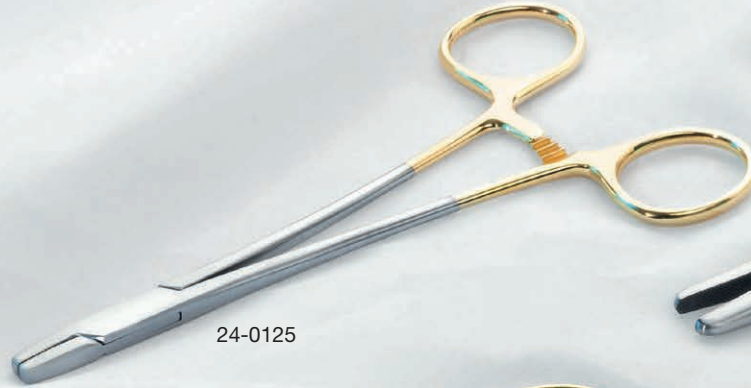
Fig.
A**Berry****Art.-No.**
24-0119**length mm / "**
180 / 7**Insert / Tip**
Ⓝ 5,3 mm

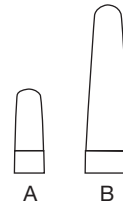
B

Fig.
B**Heavy Berry***Wire Twister with TC-Inserts***Art.-No.**
24-0127**length mm / "**
200 / 8**Insert / Tip**
ⓕ 6,0 mm

C

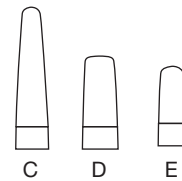
Fig.
C**Rubio***Mini Wire Twister with TC-Inserts***Art.-No.**
24-0128**length mm / "**
130 / 5**Insert / Tip**
ⓕ 4,8 mm* **bold** = shown





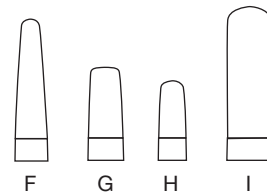
Mathieu-Style

Fig.	Art.-No.	length mm / "	Insert / Tip
A	24-0980	170 / 6 ¾	Ⓝ 4,0 mm
B	24-0981	200 / 8	Ⓝ 4,0 mm



Wire Twister

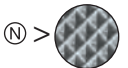
Fig.	Art.-No.	length mm / "	Insert / Tip
C	24-0130	160 / 6 ¼	Ⓝ 2,5 mm
D	24-0125	155 / 6	Ⓝ 4,0 mm
D	24-0126	180 / 7	Ⓝ 4,0 mm
E	24-0120	155 / 6	Ⓝ 3,0 mm
E	24-0121	180 / 7	Ⓝ 3,0 mm

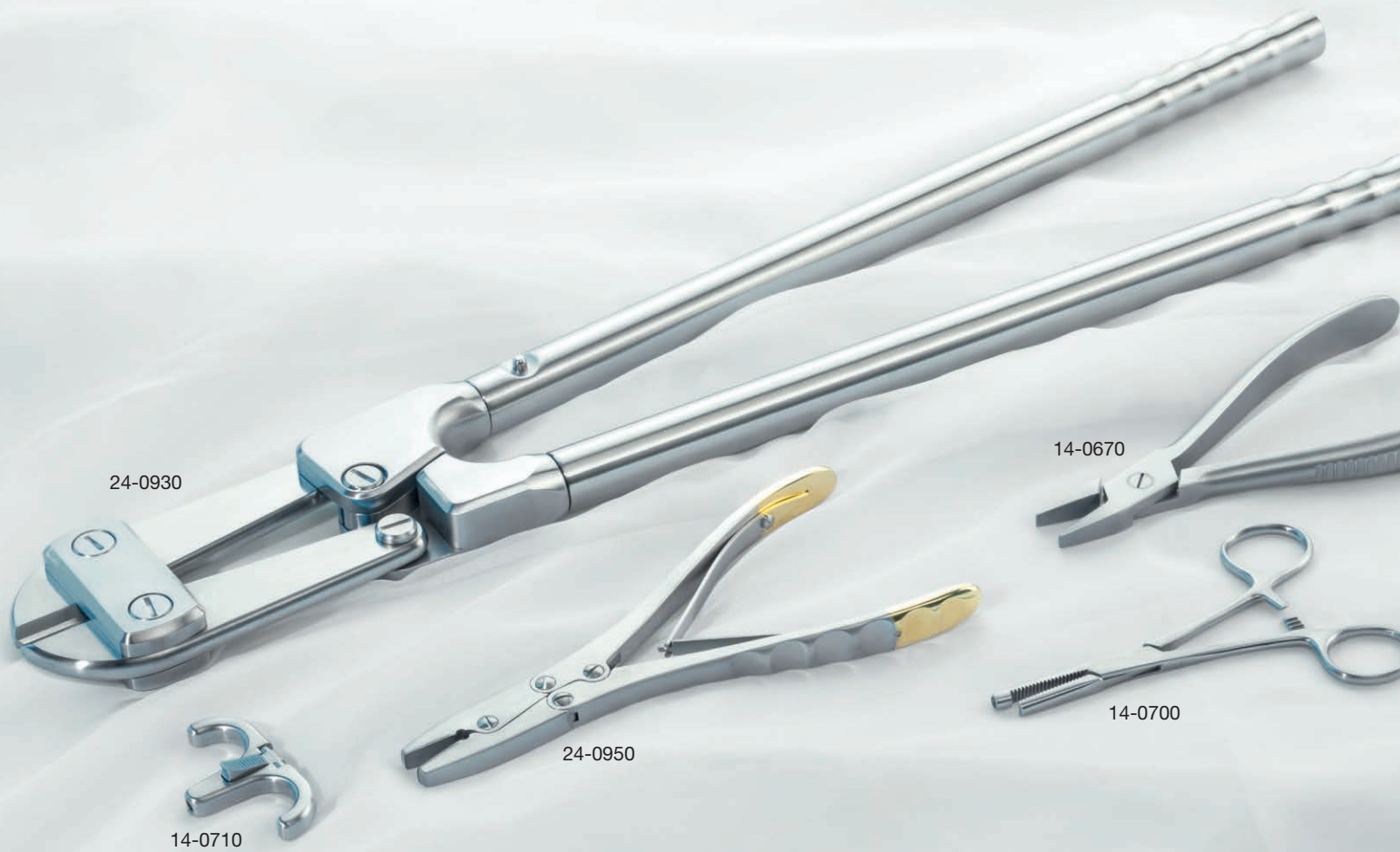


Automatic

Fig.	Art.-No.	length mm / "	Insert / Tip
F	24-0110	160 / 6 ¼	Ⓝ 2,5 mm
G	24-0105	155 / 6	Ⓝ 4,0 mm
H	24-0100	155 / 6	Ⓝ 3,0 mm
I	24-0115	180 / 7	Ⓝ 5,3 mm

* **bold** = shown



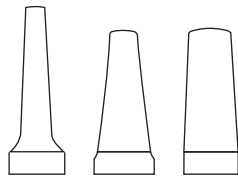




A

Wire Pliers

Fig.	Art.-No.	length mm / "
A	14-0670	170 / 6 ¾



B

C

D

Wire-Twister

Fig.	Art.-No.	length mm / "	Insert / Tip
B	24-0956	180 / 7	ⓕ 2,0 mm
C	24-0955	180 / 7	ⓕ 4,0 mm
D	24-0950	180 / 7	ⓕ 6,0 mm

* **bold** = shown

Wire Holding Forceps

Art.-No.	length mm / "
14-0700	130 / 5

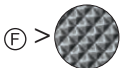
Wire Cutting Pliers

Art.-No.	length mm / "	Wire max. Ø
24-0930	570 / 22 ½	6,35 mm

The handles are quickly removable for sterilization

Izzat Wire-Grip

Art.-No.	Wire max. Ø
14-0710	1,3 mm



ⓕ >



Wire Cutting Pliers



24-0920



24-0942



24-0905



24-0940



14-0675

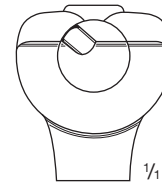


A

Wire Bull

Fig.	Art.-No.	length mm / "	Wire max. Ø
A	24-0942	250 / 10	3,0 mm

Plastic inserts hold wire piece after being out



B

Wire Pliers

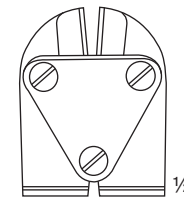
Fig.	Art.-No.	length mm / "
B	14-0675	160 / 6 ¼

Midi Cutter

Art.-No.	length mm / "	Wire max. Ø
24-0906	180 / 7	1,5 mm
24-0905	200 / 8	1,5 mm

Maxi Cutter

Art.-No.	length mm / "	Wire max. Ø
24-0910	175 / 7	1,7 mm
24-0920	220 / 8 ¾	2,2 mm



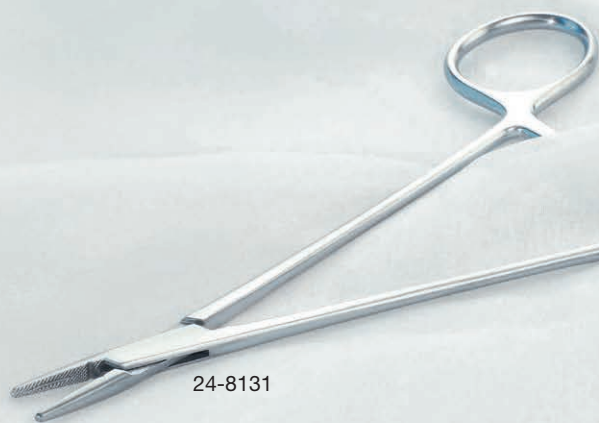
C

Power Cutter

also recommended for plates

Fig.	Art.-No.	length mm / "	Wire max. Ø
C	24-0940	230 / 9	3,5 mm

* bold = shown



24-8131



24-8143



24-8160



A

Crile-Wood

Fig.	Art.-No.	length mm / "	Tip
A	24-8131	150 / 6	2,0 mm



B

Mayo-Hegar

Fig.	Art.-No.	length mm / "	Tip
B	24-8142	160 / 6 ¼	2,7 mm
B	24-8143	190 / 7 ½	2,7 mm
B	24-8144	200 / 8	3,0 mm
B	24-8145	240 / 9 ½	3,0 mm
B	24-8146	270 / 10 ½	3,0 mm



C

Adson

Fig.	Art.-No.	length mm / "	Tip
C	24-8160	180 / 7	3,0 mm

* **bold** = shown



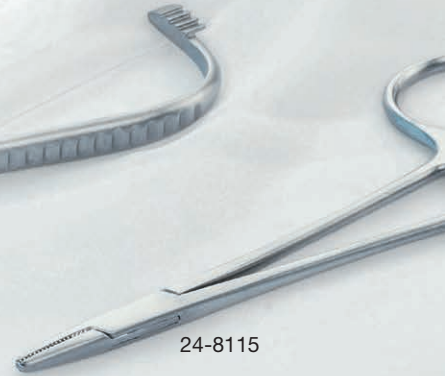
Needle Holders without TC-Inserts



24-8111



24-8171



24-8115



24-8101



A

Derf

Fig.	Art.-No.	length mm / "	Tip
A	24-8101	120 / 4 ¾	2,0 mm



B

Webster

plain

Fig.	Art.-No.	length mm / "	Tip
B	24-8111	130 / 5	2,2 mm



C

Baumgartner

Fig.	Art.-No.	length mm / "	Tip
C	24-8115	130 / 5	2,5 mm

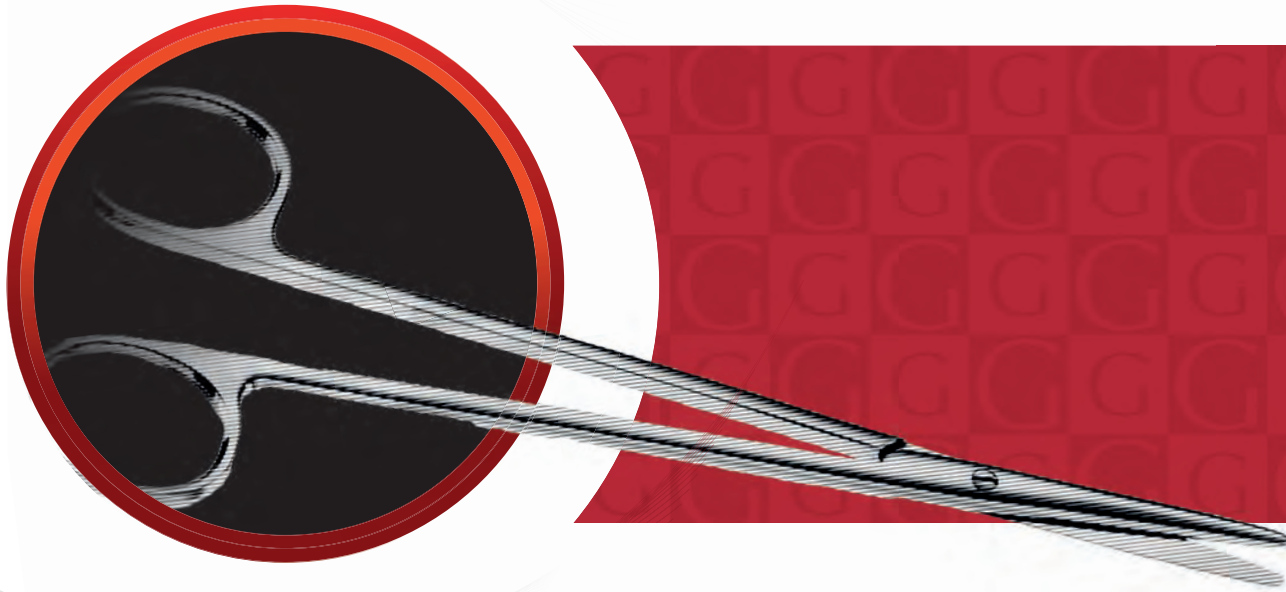


D

Mathieu

Fig.	Art.-No.	length mm / "	Tip
D	24-8170	140 / 5 ½	2,4 mm
D	24-8171	170 / 6 ¾	2,4 mm
D	24-8172	200 / 8	2,4 mm

* bold = shown



**Scissors | Rib Shears | Wire Saws
Bone Biting Rongeurs**



Art.-No.
40-0290

Length
30 cm/11¾"



Toennis-Adson TC

Extra delicate scissors with slightly curved edges, ideally suited for I.M.A.-dissection



Ligature TC

Designed for cutting of suture materials. Wave-cut prevents slipping out.



Metzenbaum TC

S-curved SH/BL

Toennis-Adson TC

fino

26-0118 17.5 cm

26-0118.23 23.0 cm

superfino

26-0116 17.5 cm

Ligature TC

y-shanks

26-0498 14.0 cm

26-0500 18.0 cm

26-0501 23.0 cm

26-0502 25.0 cm

Ligature TC

straight shanks

26-0500G 17.5 cm

26-0501G 23.0 cm

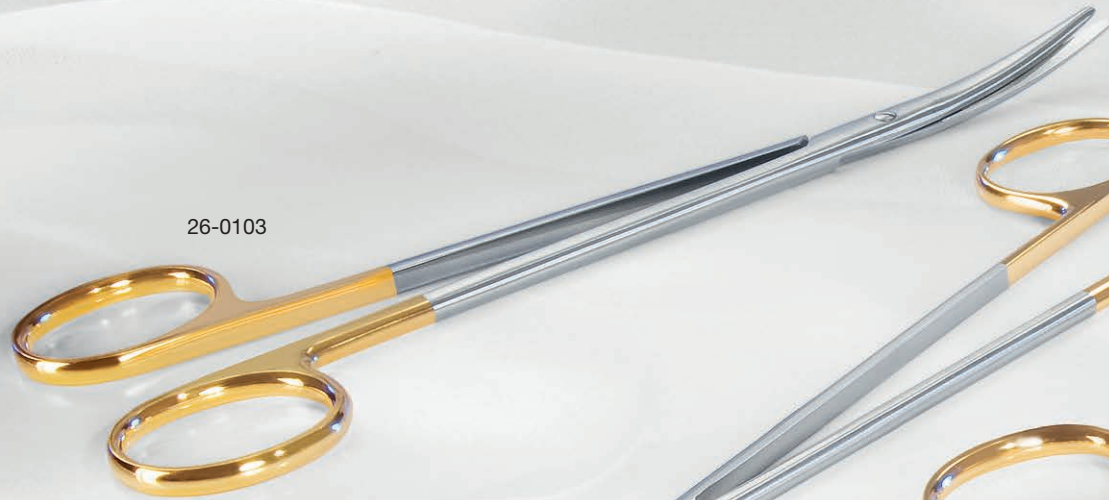
26-0502G 25.0 cm

Metzenbaum TC

26-0119 14.5 cm/5½''



Scissors with TC-edges



26-0103



26-0122



Scissors with TC-edges

GEISTER®

26-0102



26-0123

**Metzenbaum TC
straight**

26-0100	26-0102	26-0104
14 cm	18 cm	20 cm

**Nelson Metzenbaum TC
straight**

26-0106	26-0108	26-0110	26-0112
23 cm	25 cm	28 cm	30 cm

**Metzenbaum TC
curved**

26-0101	26-0103	26-0105
14 cm	18 cm	20 cm

**Nelson Metzenbaum TC
curved**

26-0107	26-0109	26-0111	26-0113	26-0115
23 cm	25 cm	28 cm	30 cm	36 cm

**Metzenbaum Fino TC (delicate)
straight**

26-0120	26-0122	26-0124	26-0126
14 cm	18 cm	20 cm	23 cm

curved

26-0121	26-0123	26-0125	26-0127	26-0129	26-0131
14 cm	18 cm	20 cm	23 cm	26 cm	28 cm

**Metzenbaum-Fino TC pointed****straight**

26-0180	26-0182	26-0184	26-0186
14 cm	18 cm	20 cm	23 cm

curved

26-0181	26-0183	26-0185	26-0187
14 cm	18 cm	20 cm	23 cm

Standard TC**straight**

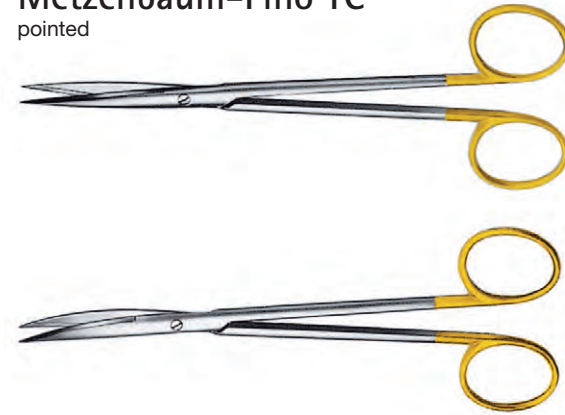
blunt/blunt	sharp/blunt	sharp/sharp
26-0010	26-0011	26-0012
14.5 cm	14.5 cm	14.5 cm

curved

blunt/blunt	sharp/blunt	sharp/sharp
26-0013	26-0014	26-0015
14.5 cm	14.5 cm	14.5 cm

Metzenbaum-Fino TC

pointed

**Standard TC**



DeBakey-type TC



Potts-Smith TC



Mayo-Stille TC

**DeBakey-type TC**

25°	45°	60°
26-0210 17 cm/6½"	26-0215 17 cm/6½"	26-0220 17 cm/6½"
26-0211 23 cm/9"	26-0216 23 cm/9"	26-0221 23 cm/9"
26-0212 28 cm/11"	26-0217 28 cm/11"	26-0222 28 cm/11"

Potts-Smith TC

25°	45°	60°
26-0200 19 cm/7½"	26-0201 19 cm/7½"	26-0202 19 cm/7½"

Mayo-Stille TC

straight	
26-0030 15 cm/6"	26-0032 17 cm/6½"
curved	
26-0031 15 cm/6"	26-0033 17 cm/6½"



**Mayo TC
straight**

26-0020	26-0022	26-0025
14 cm	17 cm	23 cm

curved

26-0021	26-0023	26-0026
14 cm	17 cm	23 cm

**Mayo-Lexer TC
straight**

26-0040	26-0042
16 cm	21 cm

curved

26-0041	26-0043
16 cm	21 cm



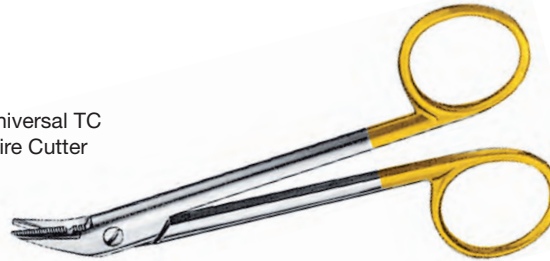
Mayo TC



Mayo-Lexer TC



Iris TC

Universal TC
Wire Cutter

Strabismus TC



Goldmann-Fox TC

**Iris TC**

straight	curved
26-0150	26-0151
11 cm	11 cm

Strabismus TC

straight	curved
26-0155	26-0156
11 cm	11 cm

Universal TC Wire Cutter

26-0140
12 cm

Goldmann-Fox TC

straight	curved
26-0160	26-0161
13 cm	13 cm




Experience the ultimate cutting performance!

- top class product with special construction
- ultra-sharp edges for ultimate cutting performance
- smooth cutting action
- for fine as well as coarse tissue
- special hardened for maximum durability and long lasting sharpness
- one shank gold plated for identification
- aseptic surface finish

26-6132.ST

26-6148.ST

Toennis-Adson-Superfino “ST”
curved

26-6148.ST
17.5 cm/6½”

Mayo-Stille “ST”
straight

26-6132.ST 26-6134.ST
17 cm/6½” 19 cm/7½”

curved

26-6133.ST 26-6135.ST
17 cm/6½” 19 cm/7½”

Metzenbaum “ST”
straight

26-6190.ST	26-6191.ST	26-6192.ST	26-6193.ST	26-6194.ST
14 cm/5½”	18 cm/7”	20 cm/8”	23 cm/9”	25 cm/10”

curved

26-6200.ST	26-6201.ST	26-6202.ST	26-6203.ST	26-6204.ST
14 cm/5½”	18 cm/7”	20 cm/8”	23 cm/9”	25 cm/10”

Metzenbaum Fino “ST”
straight

26-6208.ST	26-6210.ST	26-6211.ST	26-6212.ST	26-6213.ST
14 cm/5½”	18 cm/7”	20 cm/8”	23 cm/9”	25 cm/10”

curved

26-6209.ST	26-6215.ST	26-6216.ST	26-6217.ST	26-6218.ST
14 cm/5½”	18 cm/7”	20 cm/8”	23 cm/9”	25 cm/10”



26-6252.ST



26-6691.ST



26-6161.ST




Experience the ultimate cutting performance!

- top class product with special construction
- ultra-sharp edges for ultimate cutting performance
- smooth cutting action
- for fine as well as coarse tissue
- special hardened for maximum durability and long lasting sharpness
- one shank gold plated for identification
- aseptic surface finish



26-6172.ST

Stevens "ST"

straight	curved
26-6160.ST	26-6161.ST
12.5 cm/5"	12.5 cm/5"

Iris "ST"

straight		curved	
26-6686.ST	26-6690.ST	26-6687.ST	26-6691.ST
10.5 cm/4"	12.5 cm/4½"	10.5 cm/4"	12.5 cm/4½"

Reynolds "ST"
(Metzenbaum Tenotomy)

straight				
26-6240.ST	26-6242.ST	26-6244.ST	26-6246.ST	26-6248.ST
13 cm/5"	15 cm/6"	18 cm/7"	20 cm/8"	23 cm/9"
curved				
26-6250.ST	26-6252.ST	26-6254.ST	26-6256.ST	26-6258.ST
13 cm/5"	15 cm/6"	18 cm/7"	20 cm/8"	23 cm/9"

Ragnell-Kilner "ST"

curved			
26-6170.ST	26-6172.ST	26-6174.ST	26-6176.ST
12.5 cm/4½"	15 cm/6"	18 cm/7"	20 cm/8"



Dissecting Scissors



26-6201

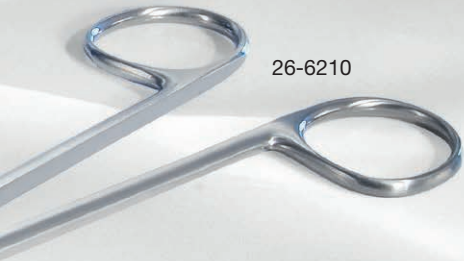
26-6190

26-6217.SC

26-6201.SC



26-6215



26-6210

■ SC = Super Cut

Metzenbaum

straight

26-6190	26-6191	26-6192	26-6193	26-6194	26-6195	26-6196
14 cm	18 cm	20 cm	23 cm	25 cm	28 cm	31 cm
26-6190.SC	26-6191.SC	26-6192.SC	26-6193.SC	26-6194.SC	26-6195.SC	26-6196.SC

curved

26-6200	26-6201	26-6202	26-6203	26-6204	26-6205	26-6206
14 cm	18 cm	20 cm	23 cm	25 cm	28 cm	31 cm
26-6200.SC	26-6201.SC	26-6202.SC	26-6203.SC	26-6204.SC	26-6205.SC	26-6206.SC

Metzenbaum Fino (delicate)

straight

26-6208	26-6210	26-6211	26-6212	26-6213	26-6214
14 cm	18 cm	20 cm	23 cm	25 cm	28 cm
26-6208.SC	26-6210.SC	26-6211.SC	26-6212.SC	26-6213.SC	26-6214.SC

curved

26-6209	26-6215	26-6216	26-6217	26-6218	26-6219
14 cm	18 cm	20 cm	23 cm	25 cm	28 cm
26-6209.SC	26-6215.SC	26-6216.SC	26-6217.SC	26-6218.SC	26-6219.SC

Metzenbaum Fino (pointed tip)

straight

26-6230	26-6231	26-6232	26-6235	26-6236	26-6237
18 cm/7"	20 cm/8"	23 cm/9"	18 cm/7"	20 cm/8"	23 cm/9"
26-6230.SC	26-6231.SC	26-6232.SC	26-6235.SC	26-6236.SC	26-6237.SC

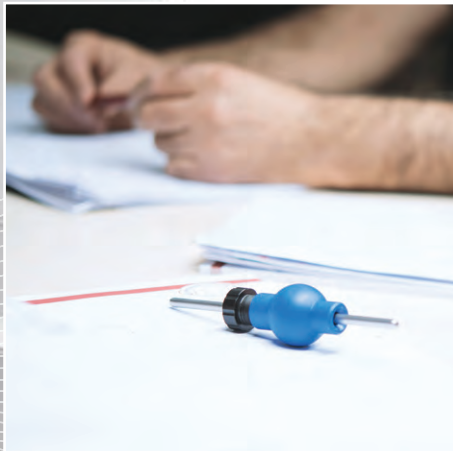
curved

Metzenbaum Fino

S-curved

26-6225	26-6226	26-6227	26-6228	26-6229
18 cm/7"	20 cm/8"	23 cm/9"	25 cm/10"	28 cm/11"
26-6225.SC	26-6226.SC	26-6227.SC	26-6228.SC	26-6229.SC





SERVICE

As a manufacturer of premium quality surgical products we are committed to give our customers the best possible service and support, also beyond the sale.

We do more than sell instruments by standard catalog only. We are sensitive to physicians ideas and welcome innovative concepts that challenge our skill sets. We care and provide the most functional and state-of-the-art solutions for individual needs. This, together with direct access to top management levels, maximum responsiveness, quality, service and innovation, makes us a preferred partner for the surgical professional worldwide and keeps us on the cutting edge of the surgical instrument industry.

Apart from manufacturing and supplying surgical instruments and equipment, we also offer the following special services: Instrument repairs (cost estimates provided upon request), Instrument maintenance and refurbishing, set arrangements, inventorying of existing instruments or sets, development of special instruments, CAD construction with Solidworks 3D and MegaCAD 2D, prototyping, turnkey projects, consulting, machining of precision parts and components for medicine and industry, OEM manufacturing.



Hohenfellner

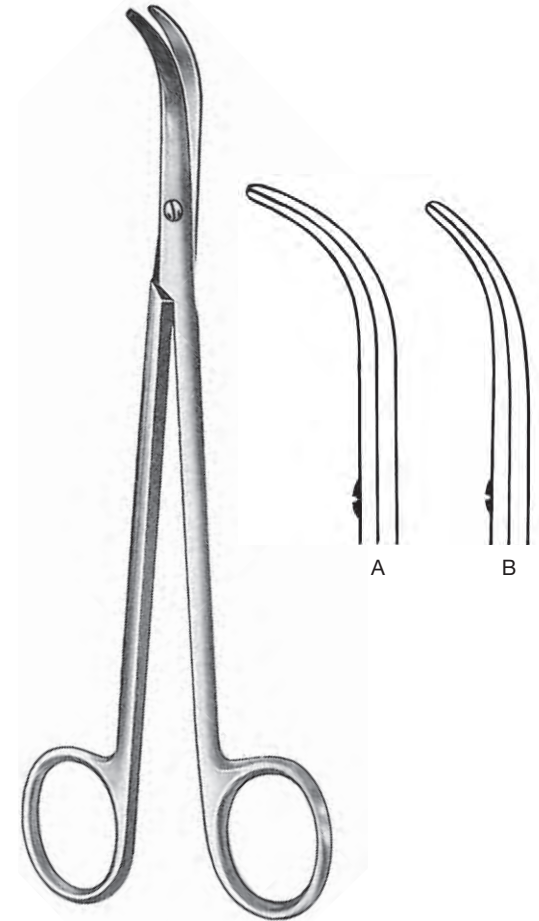
**Hohenfellner**

Art.-No.	Fig.	Length
26-2510	A	18 cm/7"
26-2515	B	21 cm/8¼"
26-2520	C	24 cm/9½"

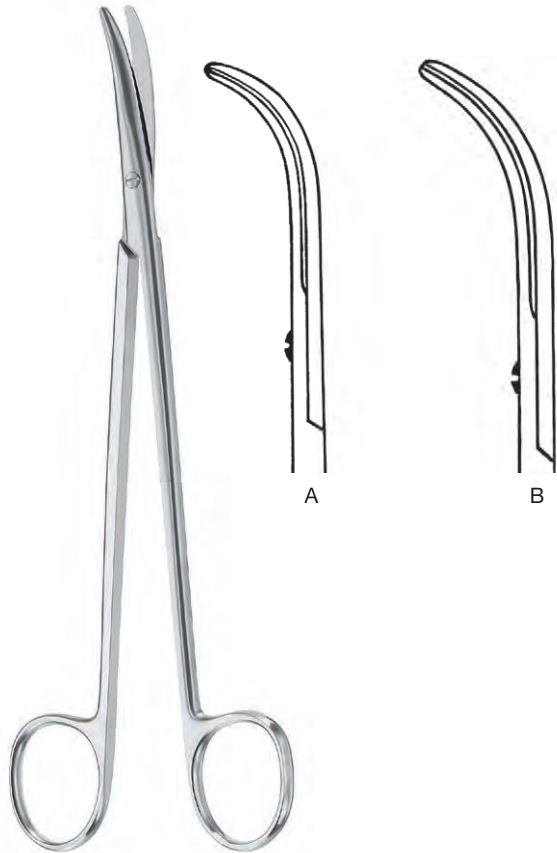
DeBakey-type

Art.-No.	Fig.	Length
26-2530	A	20 cm/8"
26-2535	B	17.5 cm/6½"

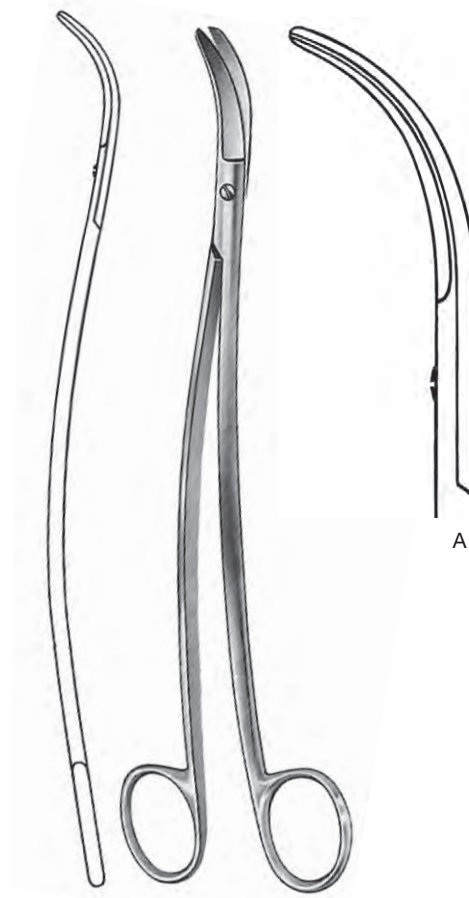
DeBakey-type



Thorek



Satinsky

**Thorek**

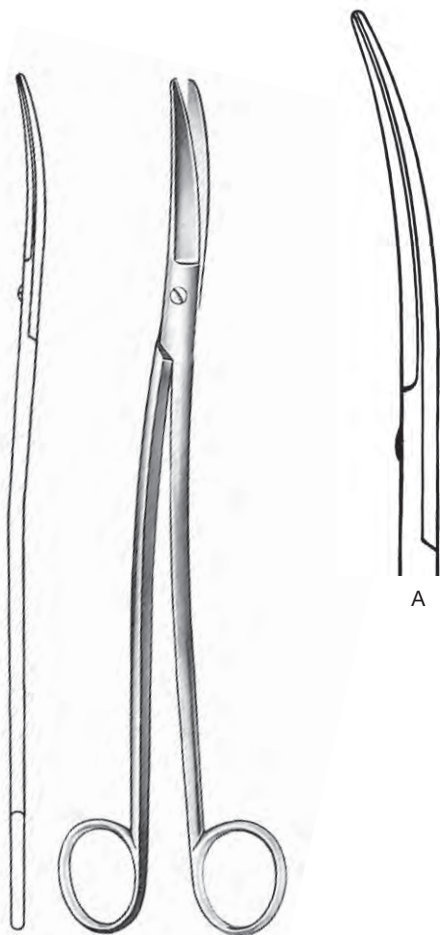
Art.-No.	Fig.	Length
26-2540	A	19 cm/7½"
26-2542	B	25 cm/10"

Satinsky

Art.-No.	Fig.	Length
26-2525	A	24.5 cm/9½"



Klingenberg-Loth

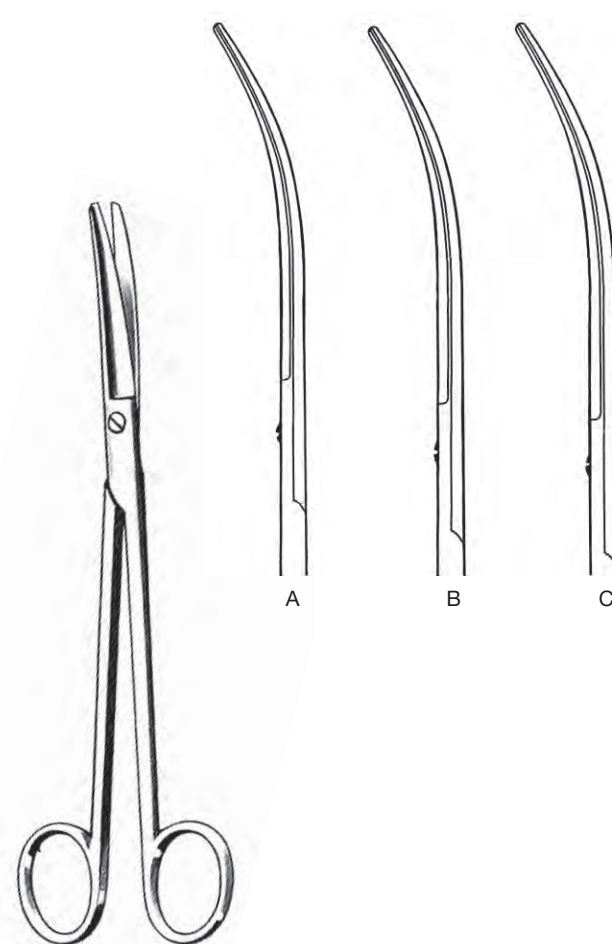
**Klingenberg-Loth**

Art.-No.	Fig.	Length
26-2527	A	23 cm/9''

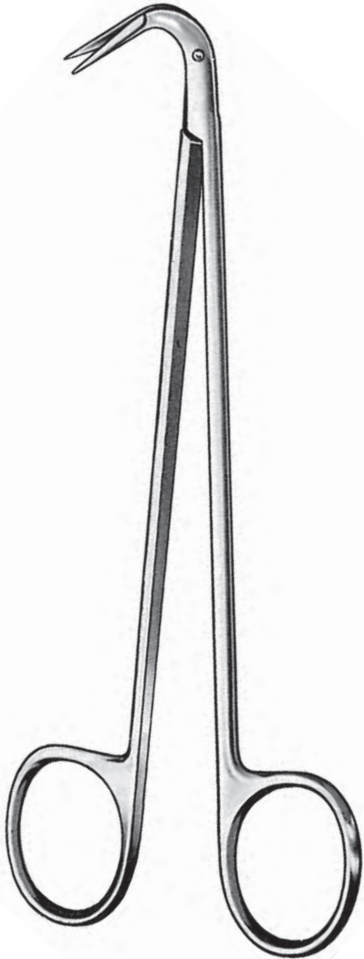
Wertheim

Art.-No.	Fig.	Length
26-2550	A	14.5 cm/5½''
26-2552	B	19.5 cm/7½''
26-2554	C	22.5 cm/8½''

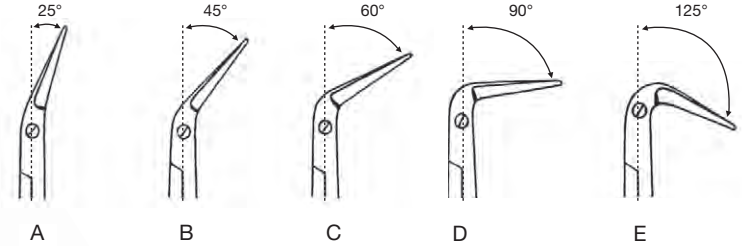
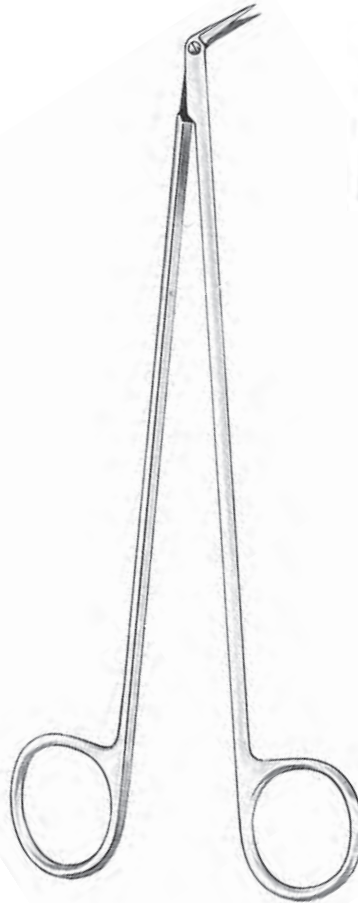
Wertheim



Beall



Diethrich-Hegemann



■ SC = Super Cut

Beall**Swan Neck Scissors**

Art.-No.	Length
26-4090 sharp	14.5 cm/5½"

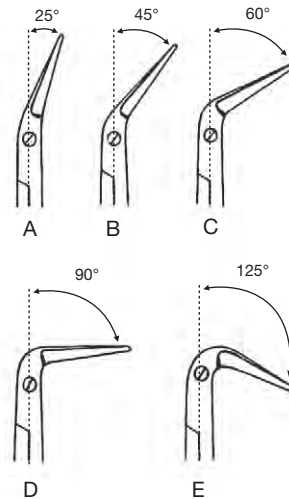
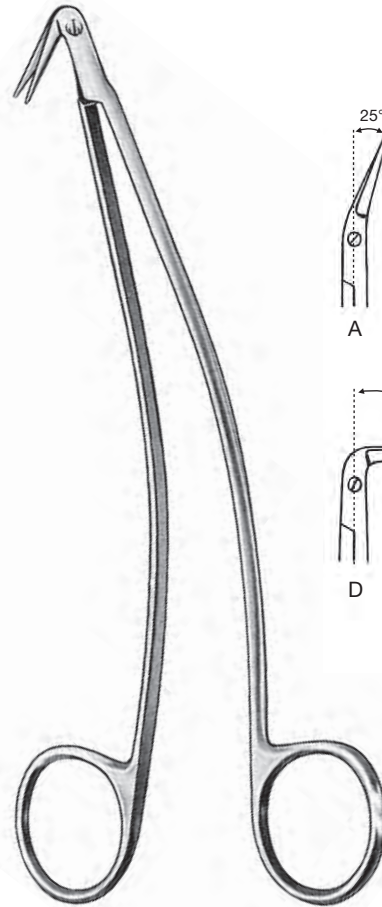
Diethrich-Hegemann**Coronary Scissors**

with extra delicate micro tips

Fig.	Length	★	Art.-No. regular	Art.-No. nano blades
A	180 cm/7"	25°	26-4100 26-4100.SC	26-4300 26-4300.SC
B	180 cm/7"	45°2	26-4102 26-4102.SC	26-4302 26-4302.SC
C	180 cm/7"	60°	26-4104 26-4104.SC	26-4304 26-4304.SC
D	180 cm/7"	90°	26-4106 26-4106.SC	26-4306 26-4306.SC
E	180 cm/7"	125°	26-4108 26-4108.SC	26-4308 26-4308.SC
with bar				
E	180 cm/7"	125°	26-4110	26-4110.SC



Favaloro

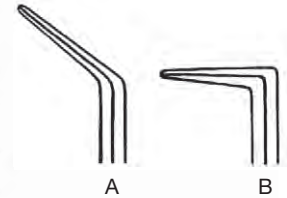
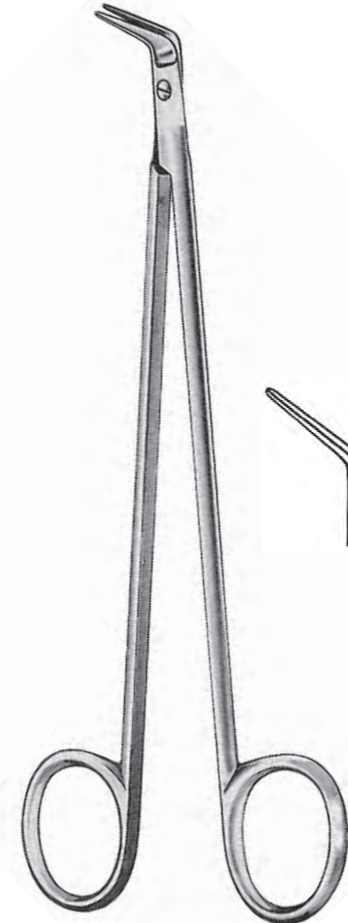

Favaloro
Coronary Scissors

Art.-No.	Fig.	✂	Length
26-4101	A	25°	180 cm/7''
26-4103	B	45°	180 cm/7''
26-4105	C	60°	180 cm/7''
26-4107	D	90°	180 cm/7''
26-4109	E	125°	180 cm/7''

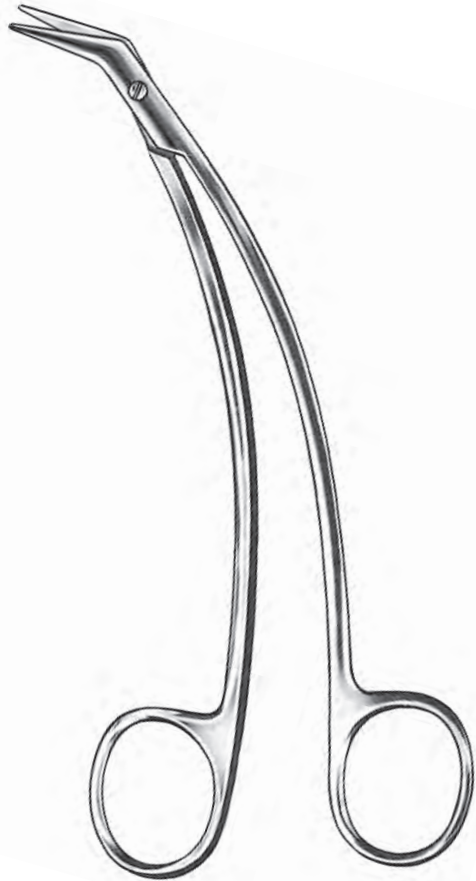
De Martel
Vascular and Valve Scissors

Art.-No.	Fig.	✂	Length
sharp			
26-4020	A	50°	180 cm/7''
26-4025	B	90°	170 cm/6½''
blunt			
26-4021	A	50°	180 cm/7''
26-4026	B	90°	170 cm/6½''

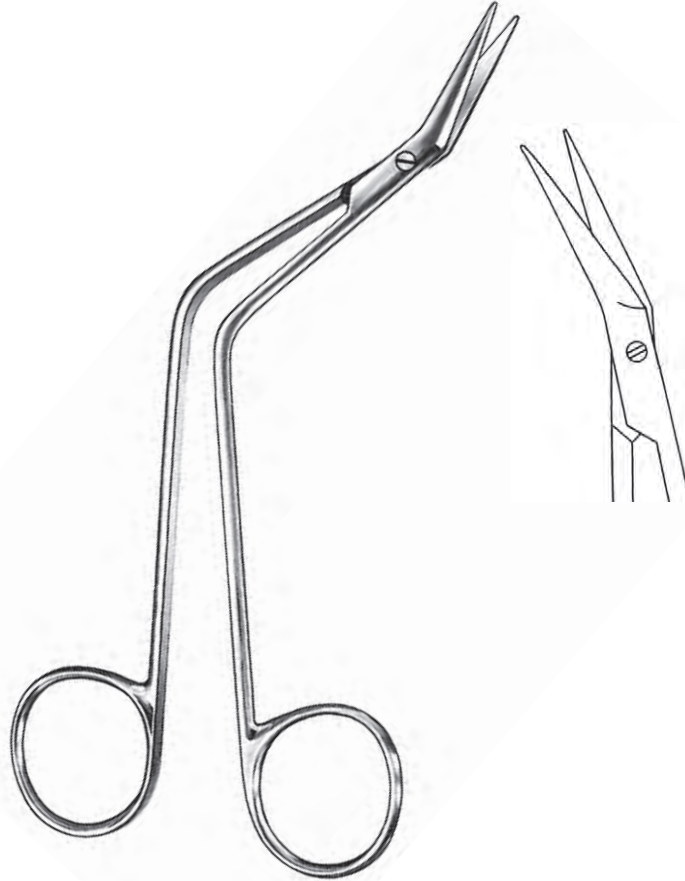
De Martel



Favaloro



DeBakey-type "S"

**Favaloro**

Art.-No.	✂	Length
26-4135	60°	17 cm/6½"

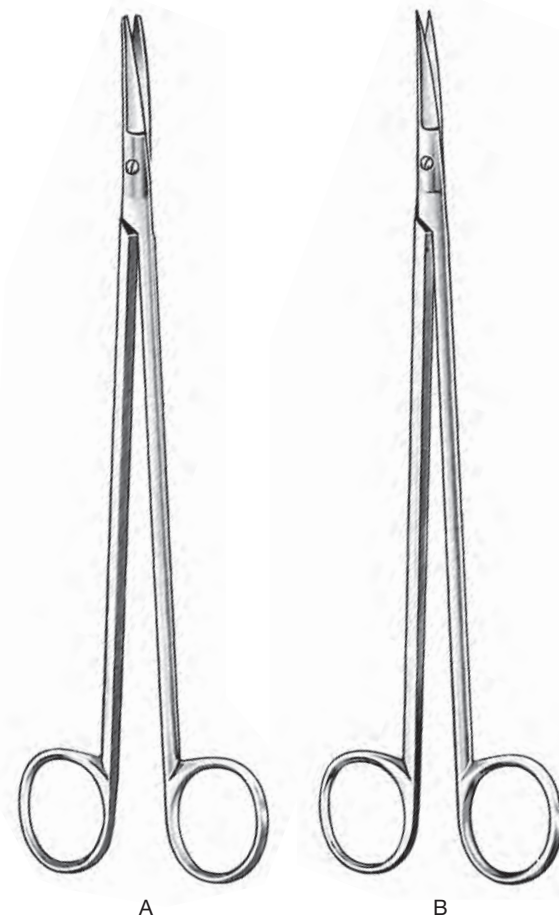
DeBakey-type "S"

Art.-No.	✂	Length
26-4132	45°	16 cm/6¼"



Lillehei-Potts

Laine-Kindal

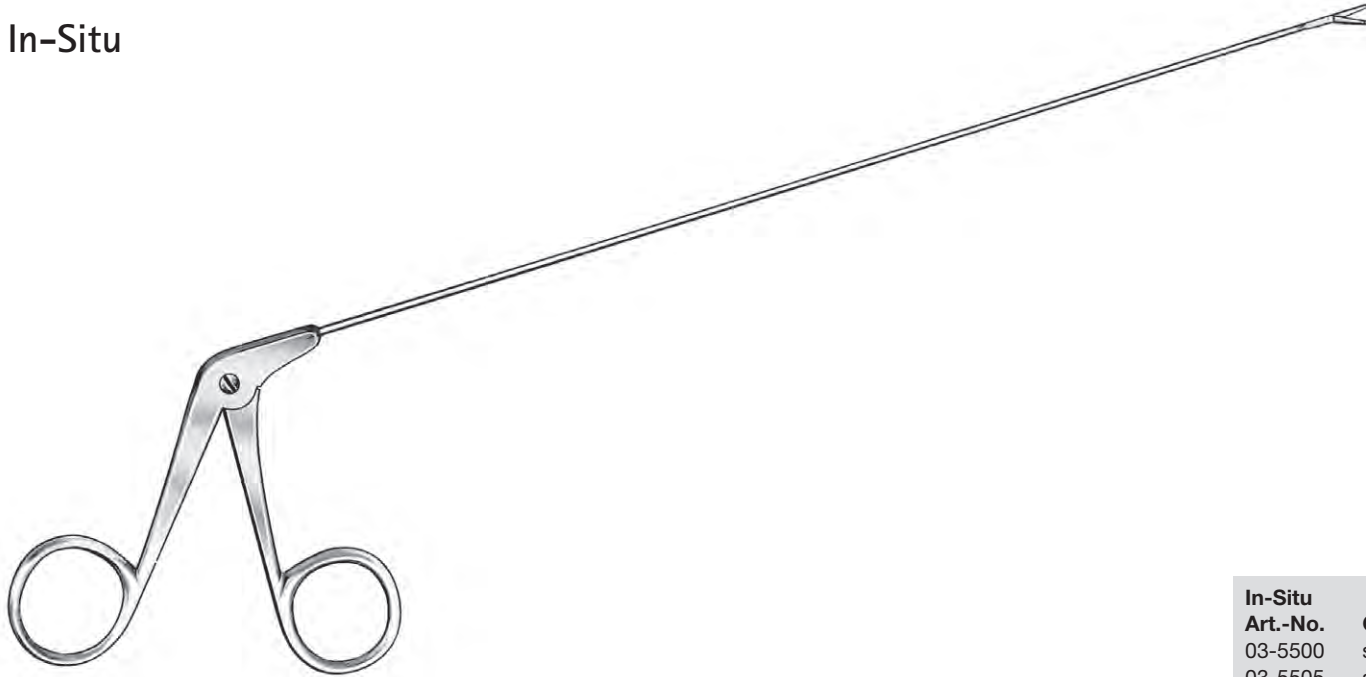
**Lillehei-Potts**

Art.-No.	Fig.	Length
26-4060	A	18 cm/7"
26-4062	B	18 cm/7"

Laine-Kindal

Art.-No.	Fig.	Length
26-4074	A	18 cm/7"
26-4075	A	21 cm/8¼"
26-4076	B	18 cm/7"
26-4077	B	21 cm/8¼"

In-Situ



Valvulotome

**In-Situ**

Art.-No.	Curvature	Length
03-5500	straight	10 cm/4"
03-5505	straight	23 cm/9"
03-5509	straight	30 cm/12"
03-5510	for left thigh	30 cm/12"
03-5515	for right thigh	30 cm/12"

Valvulotome with ball tip**Retrograde**

Art.-No.	Length
03-7500	30.5 cm/12"
03-7505	25 cm/10"
03-7510	23 cm/9"

Antegrade

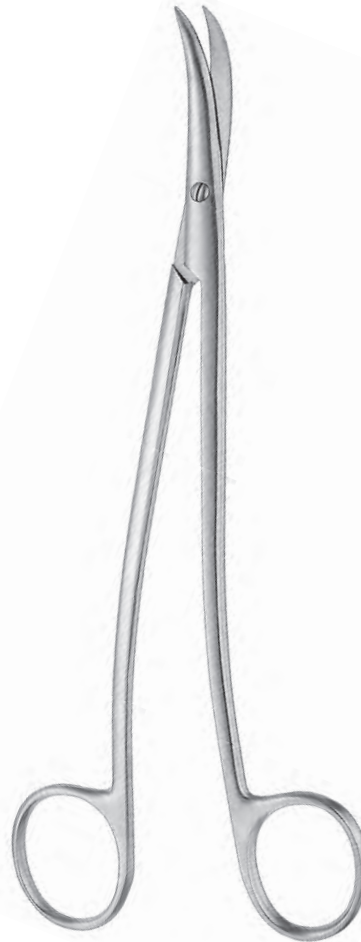
Art.-No.	Length
03-7520	16 cm/6½"



Gregory



Gregory



Gregory

**Gregory****Arteriotomy Scissors**

Art.-No.	✂	Length
26-4149	45°	13 cm/5"

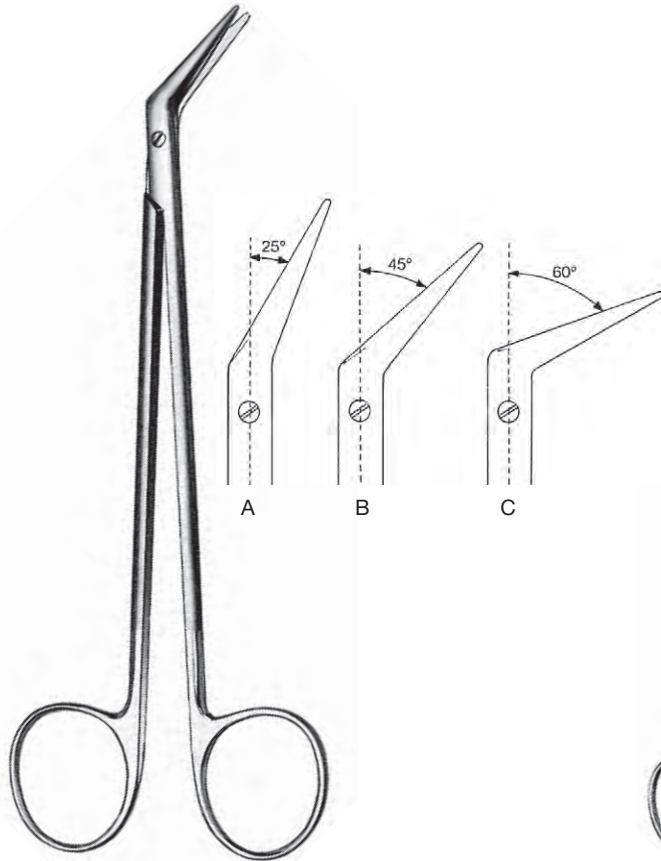
Gregory**Vertebral Scissors**

Art.-No.	Length
26-4150	16 cm/6¼"

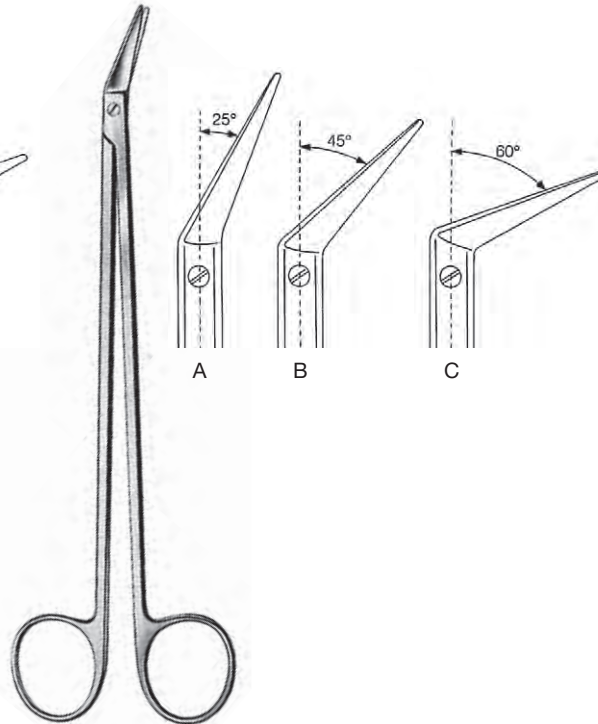
Gregory**Dissecting Scissors**

Art.-No.	Length
26-4148	14.5 cm/5¾"

DeBakey-type



Potts-Smith

**DeBakey-type**

Art.-No.	Fig.	✂	Length
26-4175	A	25°	17 cm/6½"
26-4180	A	25°	23 cm/9"
26-4185	A	25°	28 cm/11"
26-4176	B	45°	17 cm/6½"
26-4182	B	45°	23 cm/9"
26-4186	B	45°	28 cm/11"
26-4177	C	60°	17 cm/6½"
26-4184	C	60°	23 cm/9"
26-4187	C	60°	28 cm/11"

Potts-Smith

Art.-No.	Fig.	✂	Length
26-4160	A	25°	14 cm/5½"
26-4120	A	25°	19 cm/7½"
26-4122	B	45°	19 cm/7½"
26-4124	C	60°	19 cm/7½"
26-4126	C	60°	19 cm/7½"



Fistula Scissors

Potts



■ SC = Super Cut

Potts

26-4082
18.5 cm/7"

Kelly
straight

26-6720
16 cm/6¼"
26-6720.SC

curved

26-6725
18 cm/7"
26-6725.SC

26-6721
16 cm/6¼"
26-6721.SC

26-6726
18 cm/7"
26-6726.SC

Joseph
straight

26-6700
15 cm/6"
26-6700.SC

curved

26-6701
15 cm/6"
26-6701.SC

Iris**straight**

26-6690
12.5 cm/4½"
26-6688
11.5 cm/4¼"
26-6688.SC

curved

26-6691
12.5 cm/4½"
26-6689
11.5 cm/4¼"
26-6689.SC

angular

26-6692
12.5 cm/4½"

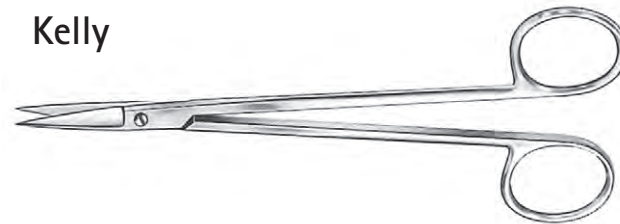
26-6686
10.5 cm/4"

26-6687
10.5 cm/4"

26-6684
9.5 cm/3½"

26-6685
9.5 cm/3½"

Kelly



Joseph



Iris





Lexer-Baby



Stevens

■ SC = Super Cut

**Lexer-Baby
straight**

26-6155
10.5 cm/4"

curved

26-6156
10.5 cm/4"

**Stevens
blunt**

straight
26-6160
11 cm/4¼"
26-6160.SC

curved

26-6161
11 cm/4¼"
26-6161.SC

**pointed
straight**

26-6162
11 cm/4¼"
26-6162.SC

curved

26-6163
11 cm/4¼"
26-6163.SC



Reynolds



Ragnell-Kilner



■ SC = Super Cut

**Reynolds, curved
regular tip**

26-6250	26-6252	26-6254	26-6256	26-6258	26-6239	26-6255
13.5 cm	15 cm	18 cm	20 cm	23 cm	15 cm	18 cm
26-6250.SC	26-6252 .SC	26-6254 .SC	26-6256 .SC	26-6258 .SC	26-6239 .SC	26-6255.SC

**Jameson, curved
delicate tip**

Ragnell-Kilner, curved

26-6170	26-6172	26-6174	26-6176
12.5 cm	15 cm	18 cm	20 cm
26-6170.SC	26-6172.SC	26-6174.SC	26-6176.SC

Standard, straight

	10.5 cm	11.5 cm	13.0 cm	14.5 cm	15.5 cm	16.5 cm	17.5 cm	18.5 cm	20.0 cm
A	26-6020	26-6022	26-6024	26-6026	26-6028	26-6030	26-6032	26-6034	26-6036
B	26-6040	26-6042	26-6044	26-6046	26-6048	26-6050	26-6052	26-6054	26-6056
C	26-6060	26-6062	26-6064	26-6066	26-6068	26-6070	26-6072	26-6074	26-6076

Standard, curved

	10.5 cm	11.5 cm	13.0 cm	14.5 cm	15.5 cm	16.5 cm	17.5 cm	18.5 cm	20.0 cm
A	26-6021	26-6023	26-6025	26-6027	26-6029	26-6031	26-6033	26-6035	26-6037
B	26-6041	26-6043	26-6045	26-6047	26-6049	26-6051	26-6053	26-6055	26-6057
C	26-6061	26-6063	26-6065	26-6067	26-6069	26-6071	26-6073	26-6075	26-6077

Standard



Mayo



■ SC = Super Cut

**Mayo
straight**

26-6100	26-6102	26-6104	26-6106	26-6108
14.5 cm	15.5 cm	17 cm	21 cm	23 cm
26-6100.SC	26-6102.SC	26-6104.SC	26-6106.SC	26-6108.SC

curved

26-6110	26-6112	26-6114	26-6116	26-6118
14.5 cm	15.5 cm	17 cm	21 cm	23 cm
26-6110.SC	26-6112.SC	26-6114.SC	26-6116.SC	26-6118.SC



Mayo-Harrington

Mc Indoe (UK)

Mayo-Lexer

Lexer-Fino



■ SC = Super Cut

Mayo-Harrington

straight	curved
26-6120	26-6121
22.5 cm/8¾"	22.5 cm/8¾"
26-6120.SC	26-6121.SC
26-6122	26-6123
28 cm/11"	28 cm/11"
26-6122.SC	26-6123.SC

Mc Indoe (UK)

26-6301
18 cm/7"
26-6301.SC

Mayo-Lexer

straight	curved
26-6140	26-6141
16 cm/6¼"	16 cm/6¼"
26-6140.SC	26-6141.SC
26-6142	26-6143
21 cm/8¼"	21 cm/¼"

Lexer-Fino

delicate	curved
straight	
26-6150	26-6151
16 cm/6¼"	16 cm/6¼"
26-6150.SC	26-6151.SC

Mayo-Stillle



■ SC = Super Cut

**Mayo-Stillle
straight**

26-6130	26-6132
15 cm/6"	17 cm/6½"
26-6130.SC	26-6132.SC

curved

26-6131	26-6133
15 cm/6"	17 cm/6½"
26-6131.SC	26-6133.SC



■ SC = Super Cut

**Spencer
Ligature Scissors**

26-6760

9 cm/3½"

26-6762

10.5 cm/4"

26-6764

12.5 cm/4½"

**Littauer
Ligature Scissors**

26-6750

14 cm/5½"

**Lister
Bandage Scissors**

26-4970 26-4971

9 cm/3½" 11 cm/4½"

26-4970.SC 26-4971.SC

26-4972 26-4974

14 cm/5½" 18 cm/7"

26-4972.SC 26-4974.SC

26-4975

20 cm/8"

26-4975.SC

**Umbilical
Cord Scissors**

26-6936 26-6937

13.5 cm/5" 16 cm/6¼"

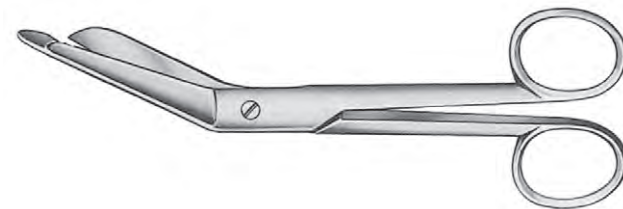


Spencer



Littauer

Lister



Umbilical





Sims Gyn.



Doyen



Braun-Stadler



Toronto

■ SC = Super Cut

Sims Gyn.

straight

26-6880

20 cm/8"

26-6883

23 cm/9"

curved

26-6881

20 cm/8"

26-6884

23 cm/9"

Doyen

Abdominal Scissors

straight

26-6908

16 cm/6¼"

26-6910

18 cm/7"

26-6910.SC

curved

26-6909

16 cm/6¼"

26-6911

18 cm/7"

26-6911.SC

Braun-Stadler

26-6900

14 cm/5½"

26-6901

22 cm/8½"

26-6901.SC

Toronto

curved

26-6124.SC

28 cm/11"



Bailey



Luc's



Bailey

Vascular Rongeurs

Art.-No.	✂	Length
40-2600	straight	3mm 12 cm/4¾"
40-2602	25° down	3mm 12 cm/4¾"
40-2604	70° down	3mm 12 cm/4¾"
40-2606	90° down	3mm 12 cm/4¾"
40-2608	45° left	3mm 12 cm/4¾"
40-2610	45° right	3mm 12 cm/4¾"

Longer shaft length on special request

Luc's

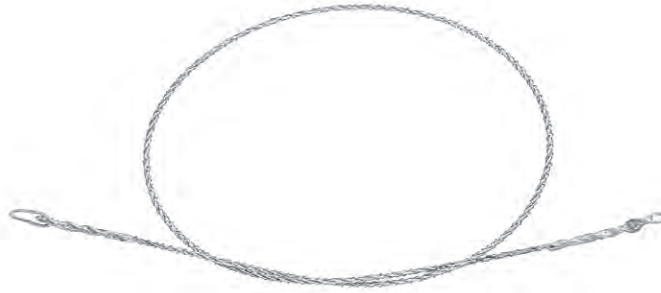
Nibbling Forceps

Art.-No.	Length
40-8010	19 cm/7½"

Gigli



Gigli



Gigli



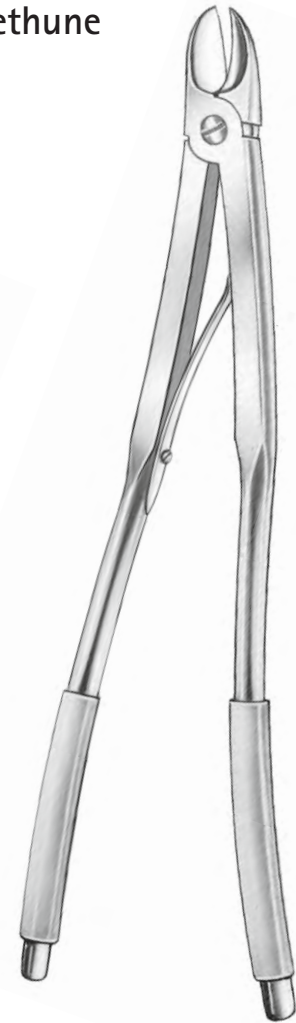
Gigli
Wire Saw Handle
Art.-No.
 26-9109

Gigli
Wire Saw
Art.-No. **Length**
 26-9110 30 cm/12''
 26-9111 40 cm/16''
 26-9112 50 cm/20''
 26-9113 60 cm/24''
 26-9114 70 cm/28''

Gigli
Introducer Guide
Art.-No.
 26-9105



Bethune



Art.-No.	Length
26-6920	23 cm/9"
26-6925	21 cm/8¼"

Bethune	
Art.-No.	Length
40-0235	35 cm/14"

Coryllos-Bethune



Coryllos-Bethune

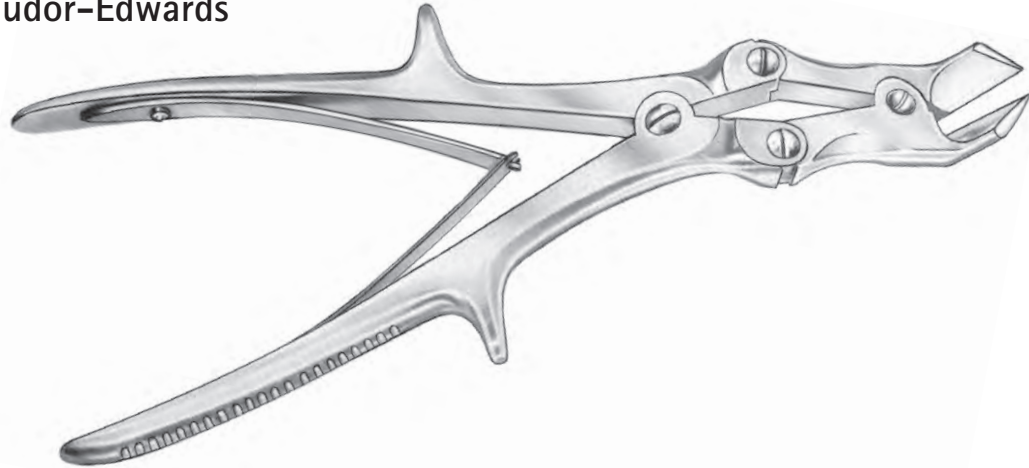


Coryllos-Bethune
Art.-No. **Length**
40-0240 36 cm/14''
Right protected jaws

Coryllos-Bethune
Art.-No. **Length**
40-0241 36 cm/14''
Left protected jaws



Tudor-Edwards



Costotome

**Tudor-Edwards**

S-curved

Art.-No.

40-0232

Length

26 cm/10¼"

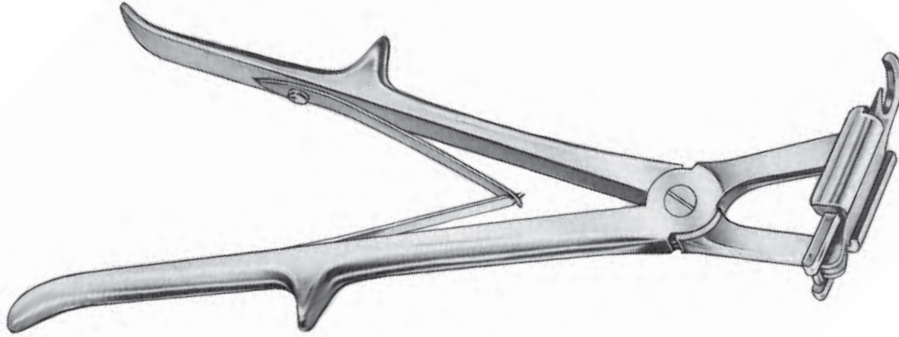
Costotome**Art.-No.**

40-0283

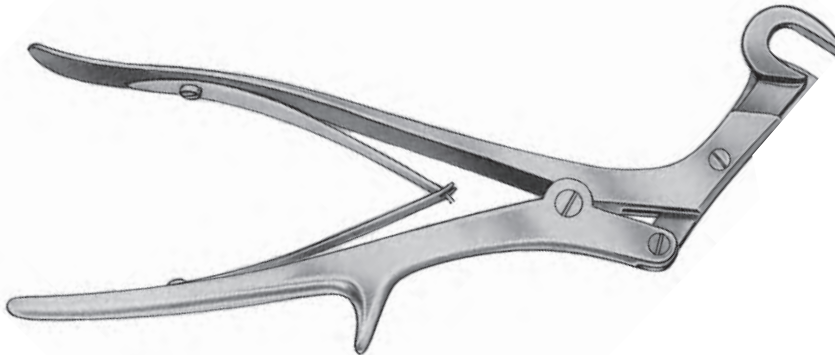
Length

24 cm/9½"

Sauerbruch



Giertz-Stille

**Sauerbruch**

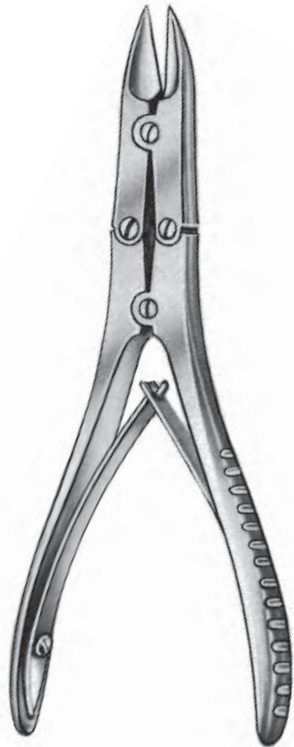
Art.-No.	Length
40-0282	26 cm/10¼"

Giertz-Stille

Art.-No.	Length
40-0285	27 cm/10½"



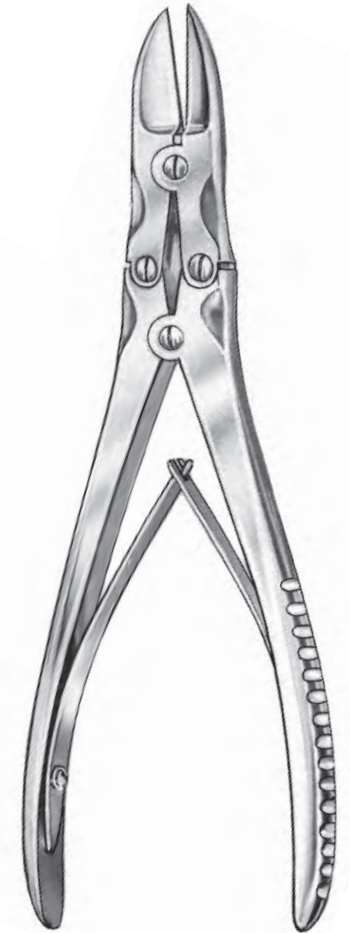
Boehler



Mc Indoe



Ruskin-Liston


Boehler
straight

15 cm 40-0200

curved

15 cm 40-0201

Mc Indoe

18 cm 40-0205

Ruskin-Liston
straight

19 cm 40-0210

curved

19 cm 40-0211

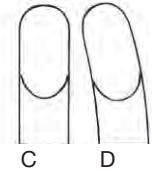
Bone Biting Rongeurs

GEISTER®

Boehler



Luer-Stille

**Boehler**

		A	B
15 cm	2 mm	40-0098	40-0099
15 cm	3 mm	40-0100	40-0101
15 cm	4 mm	40-0102	40-0103

Luer-Stille

		C	D
22 cm	10 mm	40-0150	40-0151



Bone Biting Rongeurs

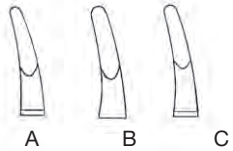
Beyer



Ruskin



Marquardt



Beyer

A

18 cm	3 mm	40-0104
18 cm	4 mm	40-0105

Ruskin

B

19 cm	4 mm	40-0115
19 cm	5 mm	40-0116
19 cm	6 mm	40-0117

Marquardt

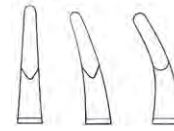
C

20 cm	3 mm	40-0190
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Smith-Peterson



Leksell



A

B

C



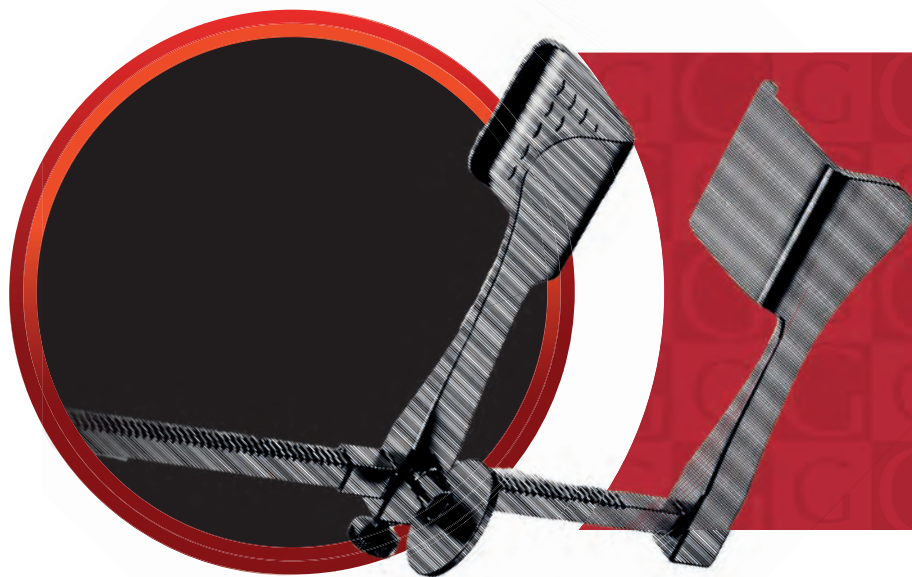
D, slight bent/strong bent

Smith-Peterson

	A	B	C	
19 cm	3 mm	40-0180	40-0181	40-0182
23 cm	3 mm	40-0185	40-0186	40-0187
23 cm	4 mm	40-0185.40	40-0186.40	40-0187.40

Leksell

D		slight bent	strong bent
23 cm	3 mm	40-0124	
23 cm	5 mm	40-0126	40-0128
23 cm	8 mm	40-0125	40-0127



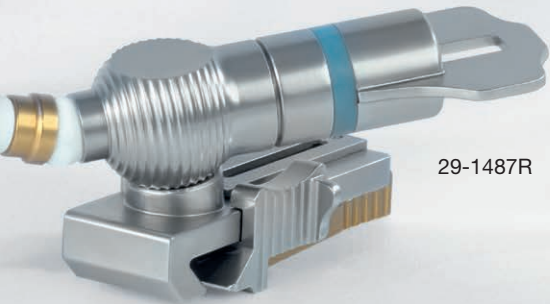
Further assistance systems can be found in our new brochure, please ask customer service for a copy.



**Flexible Arms | Sternum Retractors
Retractors | IMA Retractors
Rib Spreaders | Abdominal Frame
Retractors | Self-retraining Retractors**







29-1487R

Flexible Arm

Art.-No.	Description
29-1487	Flexible Arm with universal sliding carrier, 300 mm
29-1487R	Flexible Arm with universal sliding carrier and adapter clamp for rods, 320 mm
29-1433.RD	Rod 6 mm (alone) with fixation screw, 210 mm, for Extension
29-1433.RL	Rod 6 mm (alone) with fixation screw, 350 mm, for Extension
29-1460	Coronary Suction Stabilizer, disposable, with ball connector, for Flexible Arm or rod

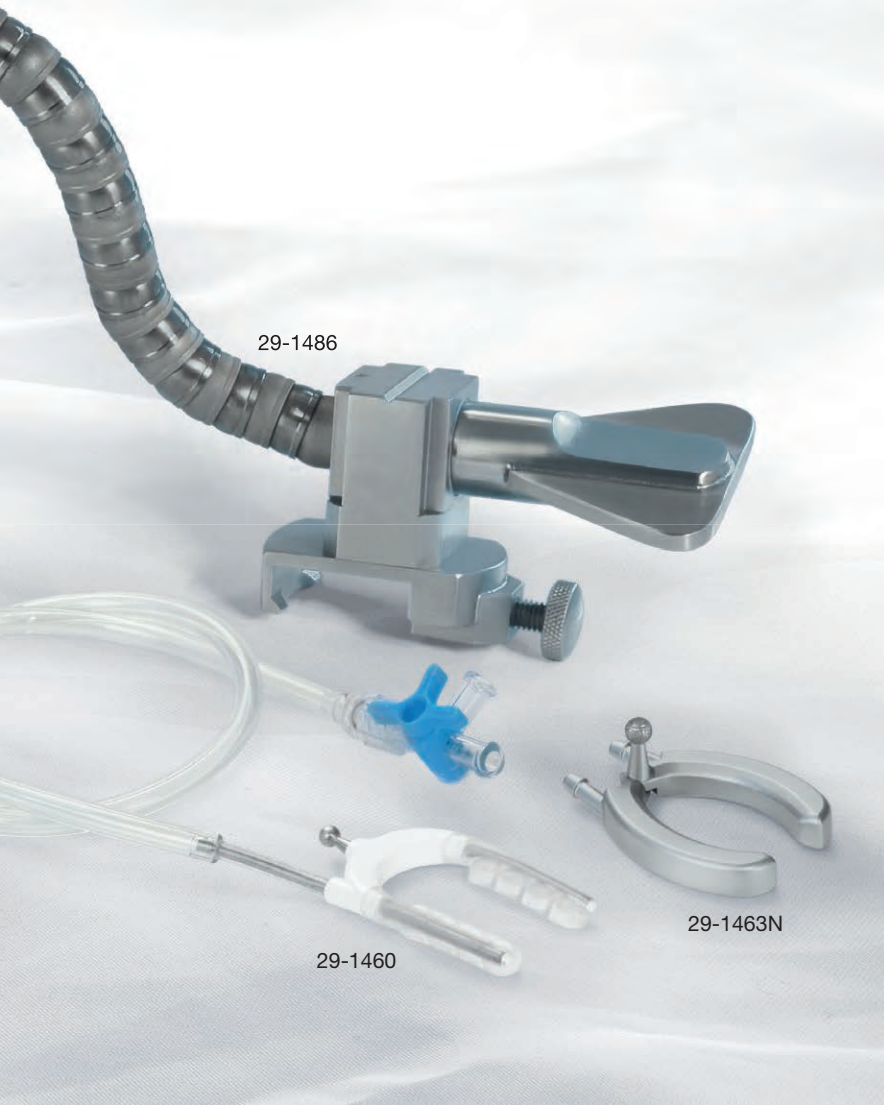


Flexible Arm



Flexible Arm

GEISTER®



29-1486

29-1460

29-1463N

Flexible Arm

- reusable platform, disposable foots optional
- multiple foot designs available
- excellent stability

Flexible Arm

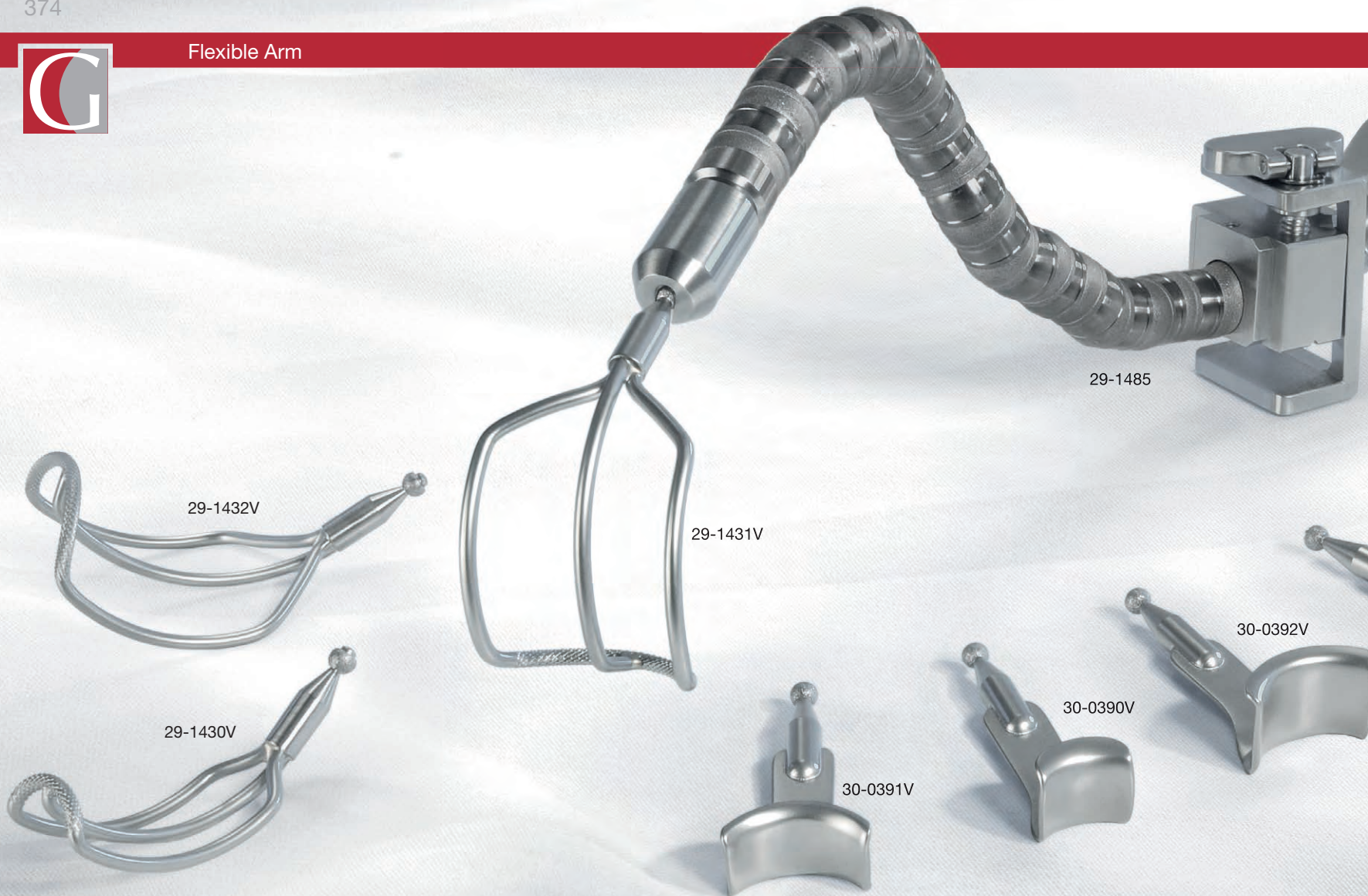
Art.-No.	Description
29-1485	Flexible Arm 275 mm (without foot)
29-1486	Flexible Arm 275 mm (without 29-1428 and 29-1433) for Cardioframe
29-1428V	Fixation Clamp 6 mm with connector for Flexible Arm
29-1433.RD	Rod 6 mm, (alone) for Extension for Foots

Stabilizing Foots

Art.-No.	Description
29-1433V	Massetti Stabilizer Foot, curved, with snare holders
29-1434V	Massetti Stabilizer Foot, flat, with snare holders
29-1441V	Riess Stabilizer Foot, extra flat, with snare holders
29-1443V	Satoh II Suction Stabilizer Foot, with snare holders
29-1444V	Lectiang Compact Suction Stabilizer Foot with suction
29-1460	Coronary Suction Stabilizer, disposable, with ball connector for flexible arm or rod
29-1463N	Tulip Neo Coronary Suction Stabilizer with ball connector for flexible arm or rod
29-1465	Suction Apex Manipulator Holder
29-1466E	Suction Lip Silicone for 29-1465



Flexible Arm



29-1432V

29-1430V

29-1431V

29-1485

30-0391V

30-0390V

30-0392V

Flexible Arm

GEISTER®



Flexible Arm

- provides maximum surgical exposure in vascular and mitral valve procedures
- multiple sizes available
- excellent stability

Flexible Arm

without foot

Art.-No.	Length mm
29-1485	275

Valve Retracting and Manipulating Feet

Cooley Atrial Rake Blade

Art.-No.	Description
29-1430V	small 20 mm
29-1431V	medium 35 mm
29-1432V	large 45 mm

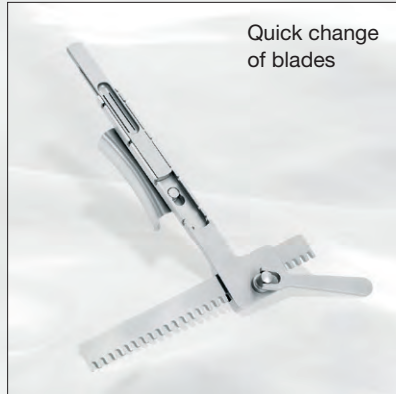
Ross Vascular Hook

Art.-No.	Description
30-0390V	Fig.1 Blade 16x15 mm
30-0391V	Fig.2 Blade 23x13 mm
30-0392V	Fig.3 Blade 24x16 mm
30-0393V	Fig.4 Blade 27x13 mm
30-0394V	Fig.5 Blade 27x27 mm
30-0395V	Fig.6 Blade 25x39 mm



CardioFrame™

29-0955





29-0940



29-0955.40



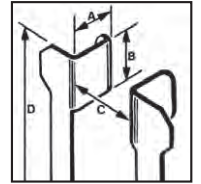
29-0956.40

CARDIOFRAME™

Now with a lower profile and deeper reach than ever! Universal sternum retractor system and operating platform for valve surgery and beating heart surgery.

This low profile operating platform keeps operating area free for surgeon's maneuvers and combines maximum comfort through a unique quick snap-in coupling for accessories with less traumatic tissue handling, stable fixation and excellent exposure. New malleable hooks provide for a deeper reach as well as for versatile adjustment to individual requirements and patient anatomy. Carriers can be moved and fixed to any desired position on arms or spreading bar.

A wide range of **GEISTER®** accessories can also be used with this platform. The system also accommodates some of the most common disposable flexible arms.



Order information:

CardioFrame™ Retractor, Frame (29-0955.BD) with 2 inserts (29-0955.IN) and 2x Cooley blades 30mm deep (29-0956.30)
Sliding Carrier, snap-in coupling (3 recommended)

4x Morse blades	30mm deep 40mm deep	29-0955.30 29-0955.40
2x Cooley-type blades	30mm deep (included in 29-0955) 40mm deep	29-0956.30 29-0956.40
Cooley-type Rake Hook	small 20mm, malleable shaft medium 35mm, malleable shaft large 45mm, malleable shaft	29-1430.CF 29-1431.CF 29-1432.CF
Malleable Hook	small 18x52mm, short 14cm shaft medium 18x80mm, short 14cm shaft large 22x80mm, short 14cm shaft	29-0941 29-0942 29-0943
Malleable Hook	small 18x52mm, long 19cm shaft medium 18x80mm, long 19cm shaft large 22x80mm, long 19cm shaft	29-0941L 29-0942L 29-0943L
Malleable Hook	small 18x52mm, long 19cm curved shaft medium 18x80mm, long 19cm curved shaft large 22x80mm, long 19cm curved shaft	29-0944L 29-0945L 29-0946L



29-0955
29-0940
29-0955.30
29-0955.40
29-0956.30
29-0956.40
29-1430.CF
29-1431.CF
29-1432.CF
29-0941
29-0942
29-0943
29-0941L
29-0942L
29-0943L
29-0944L
29-0945L
29-0946L
29-1430.CF
29-0943
29-0942L
29-0944L



Retractors



29-1495

Cooley-type-Sternum Retractor



29-1500.BH

Malleable Retractor/Spatula

Cooley-type Rake Retractor
rigid



29-1500.HL

29-1500.HM

29-1500.HS

Fixation
Clamp

29-1500.FC



Retractors

GEISTER®

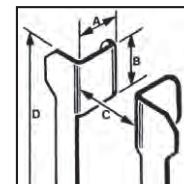
T-bar

29-1005.TS



Cooley-type Sternum Retractor

Art.-No.	Fig.	A	B	C	D
29-1495	XXL	35 mm	115 mm	230 mm	205 mm
29-1494.RS	XL	35 mm	100 mm	180 mm	180 mm
29-0134.RS	L	30 mm	50 mm	185 mm	145 mm
29-0133.RS	L	30 mm	50 mm	135 mm	145 mm



Cooley-type T-bar Retractor, complete set

complete consisting of 29-1501.US Attachment set and 29-1495 Retractor body

29-1500.US

T-bar Retractor, attachment only

for use with multiple types of sternal retractors (consisting of 29-1005.TS, 2x 29-1500.BH, 2x 29-1500.HS, 1x 29-1500.HM, 1x 29-1500.HL, 2x 29-1500.FC)

29-1501.US

T-bar turnable

70 mm

29-1005.TS

Malleable Retractor/Spatula

20 mm

29-1500.BH

Cooley-type Rake Retractor rigid

20 mm

29-1500.HS

35 mm

29-1500.HM

45 mm

29-1500.HL

Fixation Clamp

29-1500.FC

Recommended optional accessories:

Extention piece

(180 mm long) for extending t-bar or creating an L-shaped bar (extra fixation clamps 29-1500.FC are required)

29-1427

Cooley-type Rake Retractor tricuspid

45 mm

29-1500.HT

Cooley-type Rake Retractor malleable

20 mm

35 mm

29-1430

45 mm

29-1431

T-bar turnable, low profile

30 mm

29-1432

29-1005.TL



Speroni™ One for All Retractor

Lateral Thoracic Blades
29-1000.TV

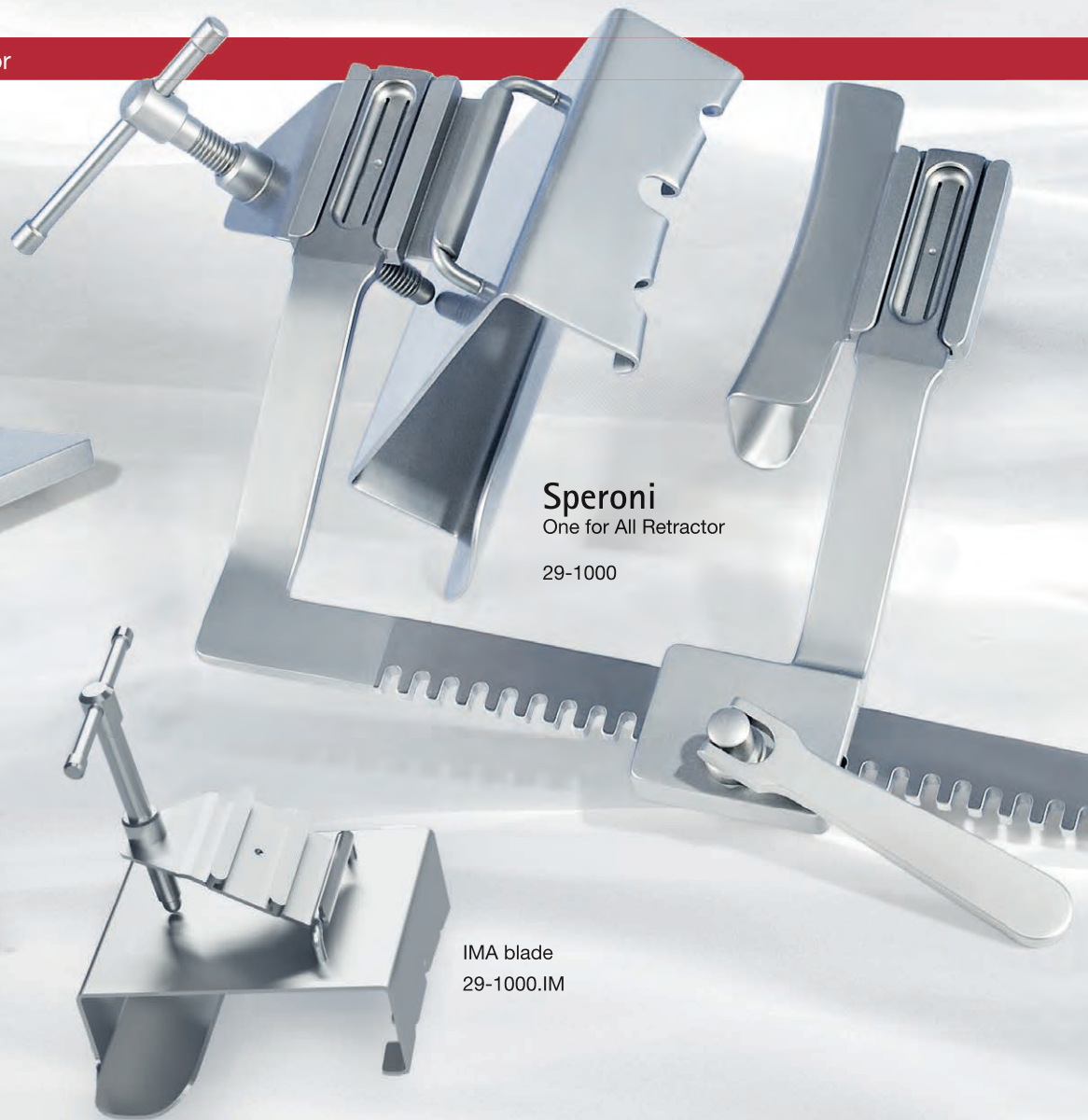


Sternum Blades
29-1000.SV/40



Speroni
One for All Retractor

29-1000

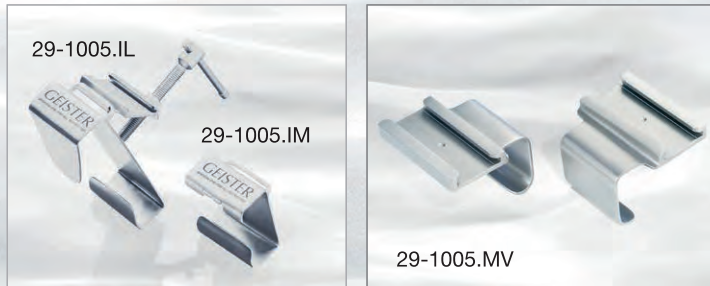


IMA blade
29-1000.IM

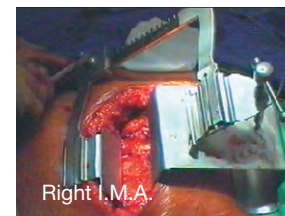


Speroni™ One for All Retractor

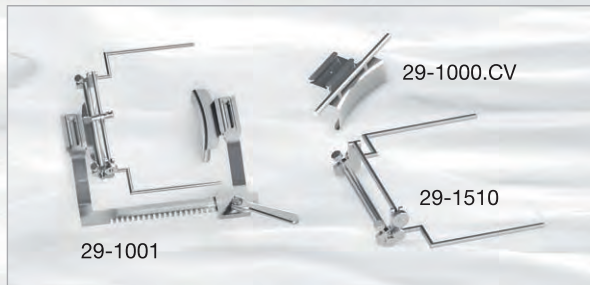
GEISTER®



Left I.M.A.



Right I.M.A.



Speroni™ One for All Retractor

Art.-No.	A	B	C	D
29-1000	40 mm	100 mm	230 mm	160 mm
	50 mm	60 mm		

Optional blades:

29-1000.SV/30	30 mm	100 mm	pair
29-1000.SV/50	50 mm	100 mm	pair
29-1000.SV/60	60 mm	100 mm	pair
29-1005.MV	35 mm	42 mm	pair
29-1005.IL	Mini I.M.A. blade, long, 1 pcs		
29-1005.IM	Mini I.M.A. blade, short w/teeth, 1 pcs		

Optional Attachment:

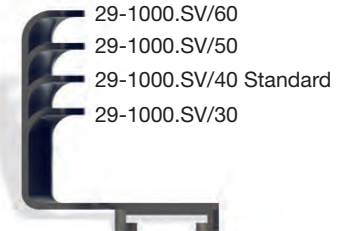
29-1001	Retractor with complete Valve Set
29-1510	Valve, Attachment
29-1000.CV	Valve Blade for Speroni (1 pcs) 40 mm deep (standard)* with rod
29-1000.BH	Sternal-blade for Flexarm (pair)
29-1485	Flexarm, OPCAB

Cooley-type Accessories see page 418-419.

This universal retractor system perfectly covers all requirements of modern cardiothoracic surgery. It comes with one I.M.A. blade with stabilizing screw – converting it into a stable threepoint I.M.A. retractor – as well as with 2 sternum blades and 2 lateral thoracic blades. Optionally available are smaller mini-thoracotomy blades and a t-bar with a wide variety of accessories making it truly "One for All"

Developed in cooperation with Dr. Fabio Speroni, German Heart Institute Berlin.

*also available in 60 mm (29-1000.CV/60).

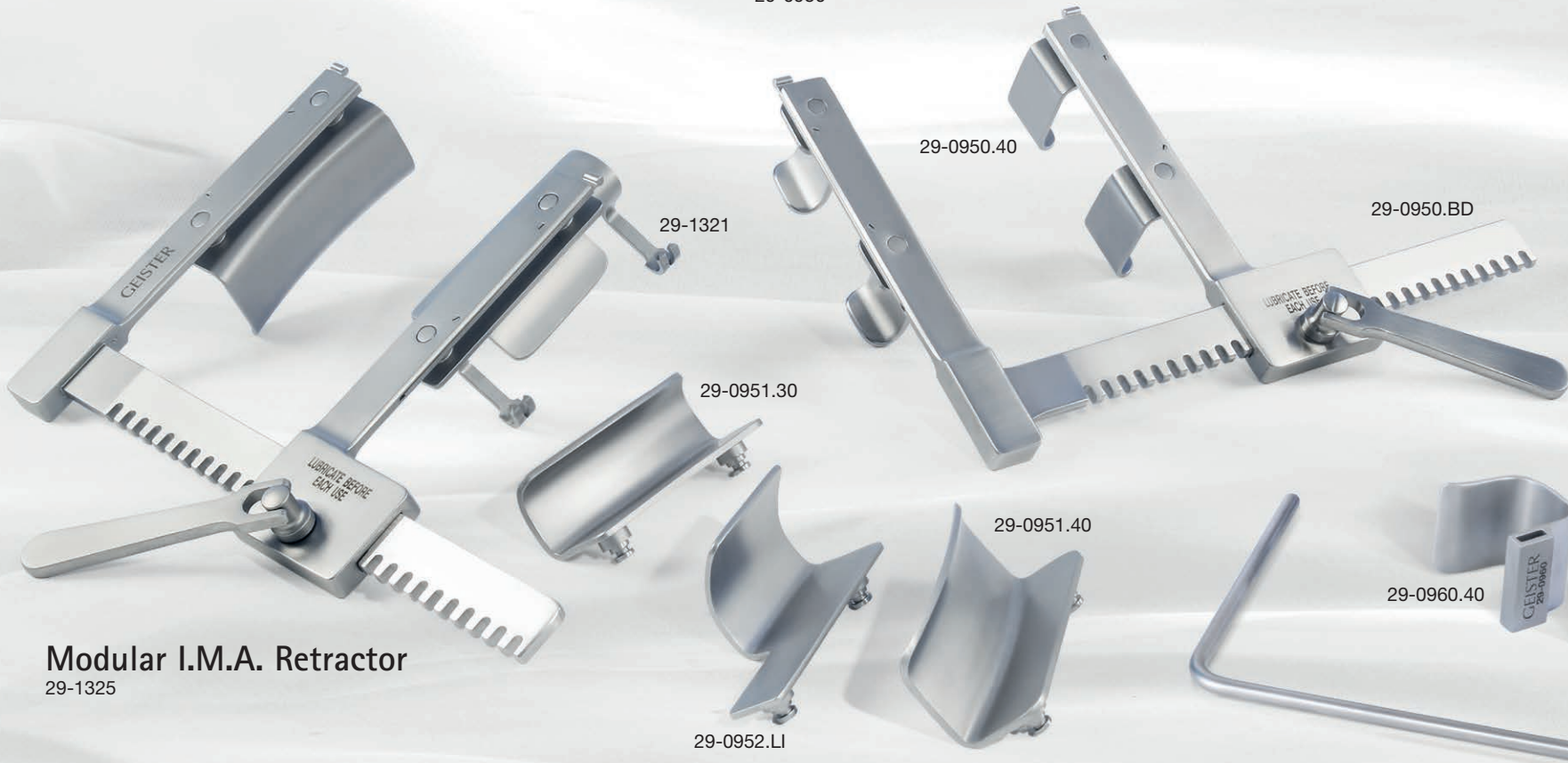


29-1000.SV/60
29-1000.SV/50
29-1000.SV/40 Standard
29-1000.SV/30



Modular Sternum Retractor

29-0950

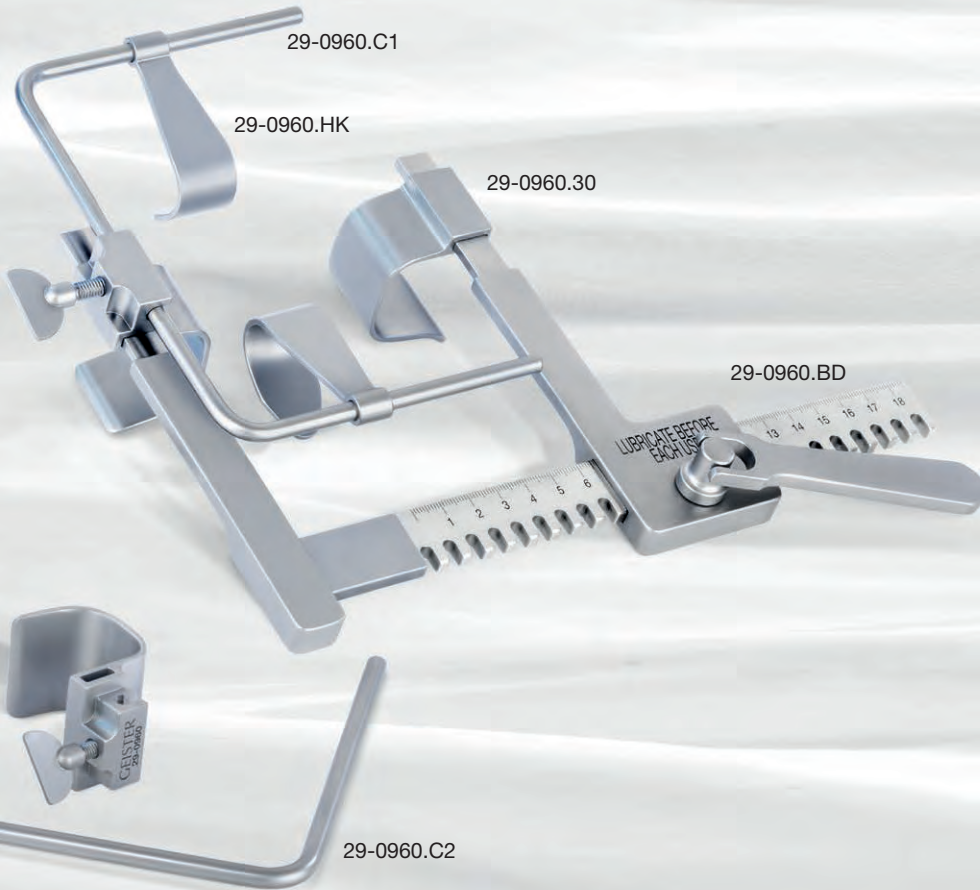


Modular I.M.A. Retractor

29-1325

Massetti-Babatasi Mini-Sternotomy Retractor

29-0950



Modular Sternum Retractor

Art.-No.	A	B	C	D
29-0950	40 mm	28 mm	200 mm	150 mm

29-0950 includes

29-0950.BD Body only

29-0950.40 Swivel blades (4)

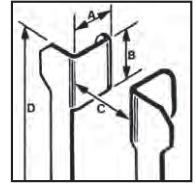
Optional extra blades for 29-0950

29-0950.30 30 mm 28 mm (4)

29-0951.30 30 mm 100 mm (2)

29-0951.40 40 mm 100 mm (2)

Upgrade Kit for I.M.A. see 29-1326



Massetti-Babatasi Mini-Sternotomy Retractor

Art.-No.	A	B	C	D
29-0960		130mm	130mm	

29-0960 includes

29-0960.BD Body only

29-0960.30 40 mm 30mm each 1 left and right (2)

29-0960.40 40 mm 40mm each 1 left and right (2)

29-0960.C1 C-Bar small 6 mm, 16 cm (1)

29-0960.C2 C-Bar large 6 mm, 21 cm (1)

29-0960.HK 35 mm 20mm each 1 left and right (2)

40 mm 20 mm each 1 left and right (2)

Modular I.M.A. Retractor

Art.-No.	A	B	C	D
29-1325			200 mm	150 mm

29-1325 includes

29-0950.BD Body only

29-1326 I.M.A. Upgrade Kit for 29-0950

29-1326 includes

29-0951.30 30 mm 100 mm (2)

29-0951.40 40 mm 100 mm (2)

29-0952.LI 40 mm 60 mm (1)

29-0952.RE 40 mm 60 mm (1)

29-1321 100 mm (1)

Optional extra blades for 29-1325

29-0950.30 30 mm 20 mm (4)

29-0950.40 40 mm 20 mm (4)



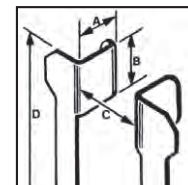
Bugge™
I.M.A. Retractor

29-1010



I.M.A. Retractor

GEISTER®

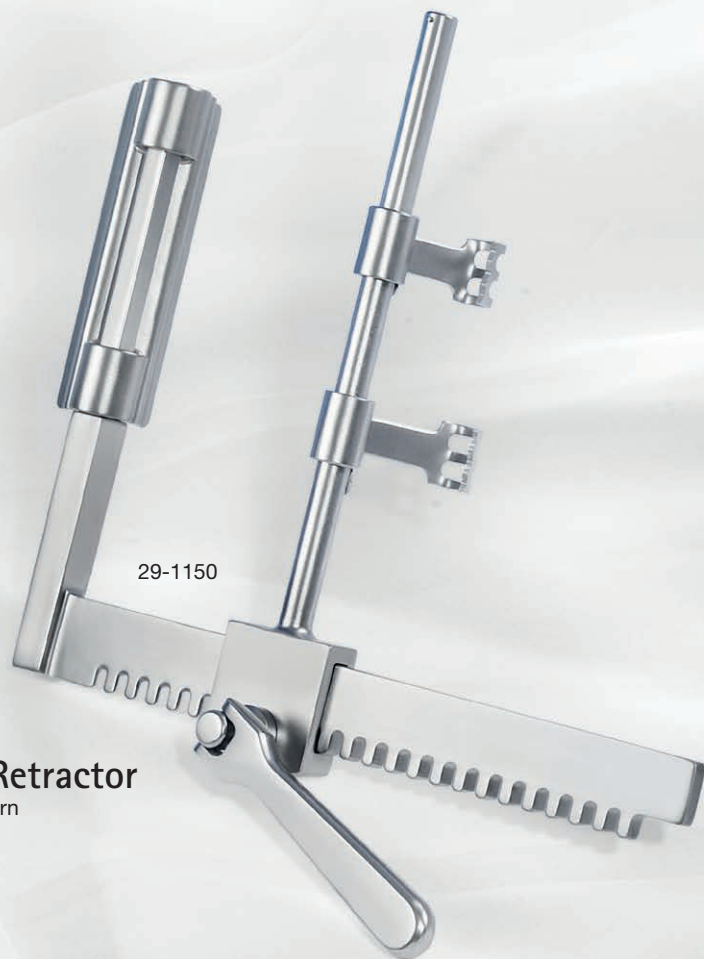
**Bugge™****I.M.A. Retractor**

This highly efficient and easy to use I.M.A. dissection retractor is placed in the patient after median sternotomy with the larger blade at the chosen donor side to be lifted for I.M.A. harvesting.

Once the blades are opened sufficiently by turning the wheel of the bar, the reinforcing screw can be turned in order to tilt the instrument for lifting the sternum at the side of the larger blade. The I.M.A. dissection can be performed under excellent exposure. Once the I.M.A. dissection is finished the retractor can be removed and a standard sternum retractor can be used for the rest of the operation.

Art.-No.	A	B	C	D	
29-1010	55 mm	80 mm	170 mm	130 mm	regular model

Developed in cooperation with: Mogens Bugge™, M.D., Ph.D., Dept. of Cardiothoracic Surgery, Sahlgrenska Hospital, Gothenburg, Sweden



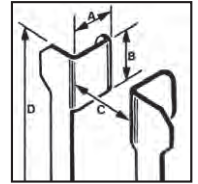
29-1150

I.M.A. Retractor
French pattern



29-1050

LUBRICATED
EAS

**Dubost**

with 3 pairs of blades

Art.-No.	Fig.	A	B	C	D
29-1050	with 3 pairs of monobloc blades				200 mm
	175 mm				
29-1050.30	L	30 mm	100 mm		
29-1050.40	XL	40 mm	100 mm		
29-1050.50	XXL	50 mm	100 mm		

I.M.A. Retractor French pattern

Art.-No.		A	B	C	D
29-1150	with 3 blades			150 mm	150mm
29-1150.CB	Sternum blade	20 mm	100 mm		
29-1150.CS	Blade short	28 mm	15 mm		
29-1150.CL	Blade long	32 mm	15 mm		

Optional extra blades

Art.-No.	A	B	C	D
29-1151	38 mm	20 mm		

This highly efficient and easy to use I.M.A. dissection retractor is placed in the patient after median sternotomy with the larger blade at the chosen donor side to be lifted for I.M.A. harvesting. Once the blades are opened sufficiently by turning the wheel of the bar, the reinforcing screw can be turned in order to tilt the instrument for lifting the sternum at the side of the larger blade. The I.M.A. dissection can be performed under excellent exposure. Once the I.M.A. dissection is finished the retractor can be removed and a standard sternum retractor can be used for the rest of the operation.

Dubost

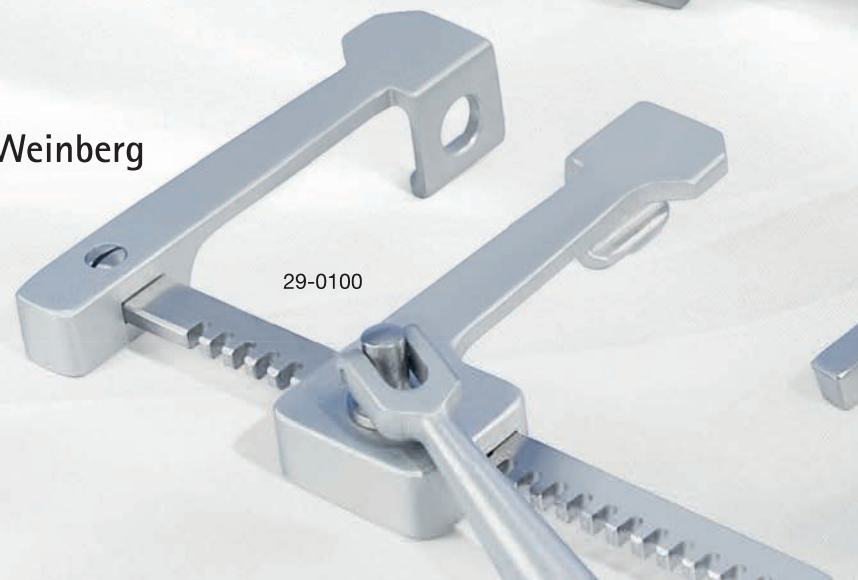




29-0102

Finochietto-Infant/Weinberg

Aluminium



29-0100

29-0105

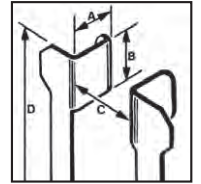
Finochietto-Baby-Haight

Aluminium

Mini-Finochietto

Stainless Steel

29-0090



Aluminium

The specific gravity of Aluminium is very low (2.7), approximately only one third of steel (7.8). Therefore, products made of Aluminium are very lightweight. At the same time it has a high tensile strength, which makes it so suitable as durable structural material for spreading instruments. Aluminium is also non-magnetic, corrosion-resistant and recyclable. The surface of our Aluminium Rib Spreaders is anodized for a smooth non-glare appearance. Aluminium requires the use of non-alkaline, neutral cleaning agents in combination with fully demineralized water for cleaning and sterilization. Otherwise damages to the anodized surface are possible. Many of our Aluminium Rib Spreader models are also available in stainless steel alternatively, usually identified by ".RS" behind the article number.

Mini-Finochietto

Steel

29-0090

Fig.

XXS

A

6 mm

B

7 mm

C

36 mm

D

25 mm

Finochietto-Infant/Weinberg

Aluminium Steel

29-0100 29-0100.RS

29-0102 29-0102.RS

Fig.

XS

S

A

12 mm

12 mm

B

15 mm

20 mm

C

70 mm

95 mm

D

55 mm

75 mm

Finochietto-Baby-Haight

Aluminium Steel

29-0105 29-0105.RS

Fig.

M

A

28 mm

B

30 mm

C

100 mm

D

75 mm



Finochietto

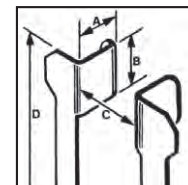
Aluminium



29-0114

29-0110

29-0112

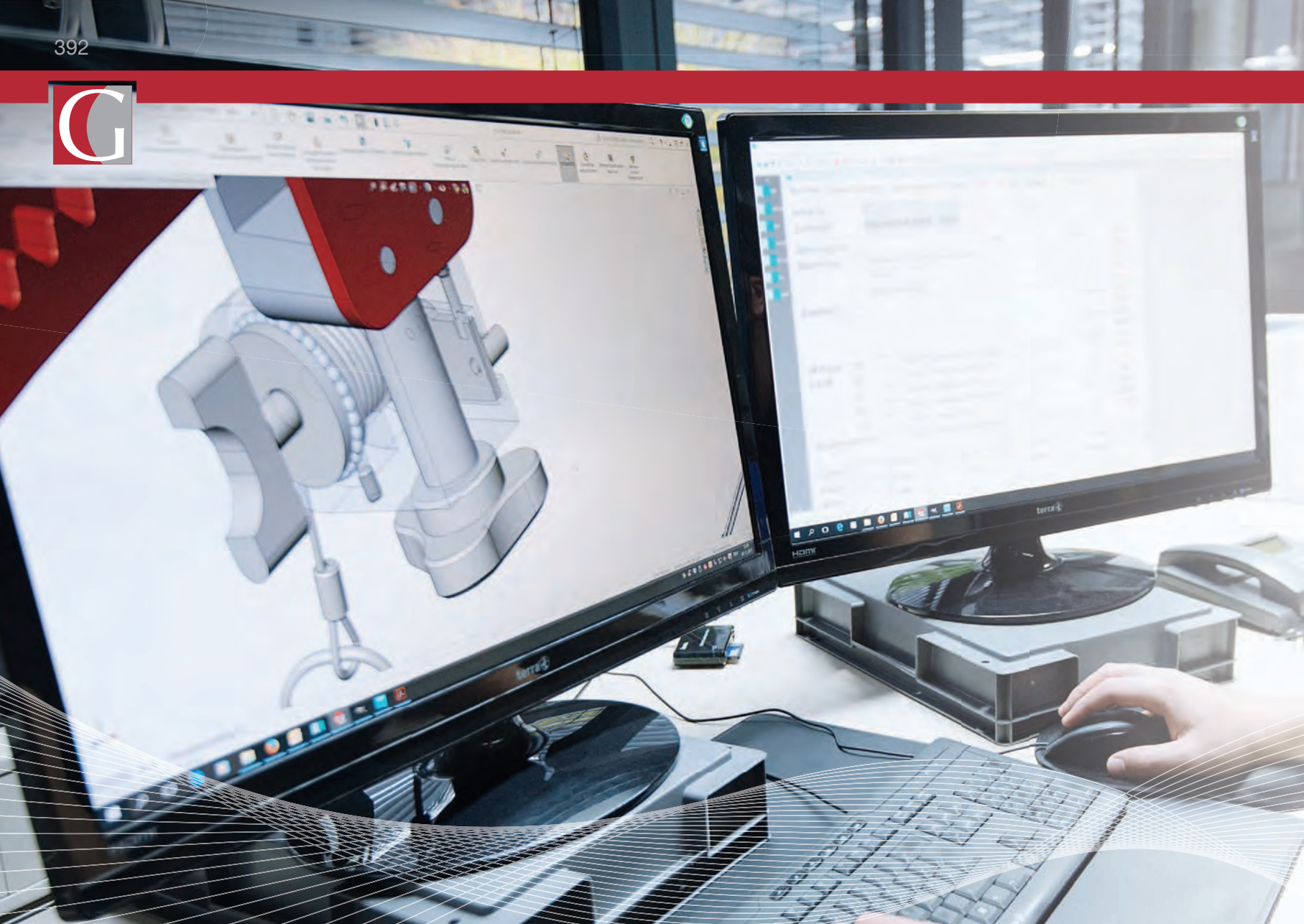


Aluminium

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Finochietto

Aluminium	Steel	Fig.	A	B	C	D
29-0110	29-0110.RS	ML	30 mm	45 mm	140 mm	110 mm
29-0112	29-0112.RS	L	42 mm	62 mm	175 mm	140 mm
29-0114	29-0114.RS	XL	75 mm	65 mm	175 mm	140 mm





R&D SOLUTIONS

With inspiration, motivation, and a pinch of creativity.

Greatest precision, best trueness and highest accuracy ensures the quality and reliability of care in surgery, but also in the fields of metrology, engineering, automotive and aviation and aerospace technology. Our qualified technicians are efficiently working with the latest machinery including advanced 5-axis CNC machining centers, which is also meet the requirements for the most complex parts, supported

by 3D CAD design software (SolidWorks), 2D CAD design software, CAM / CIM software (SolidCAM iMachining) and rapid prototyping.

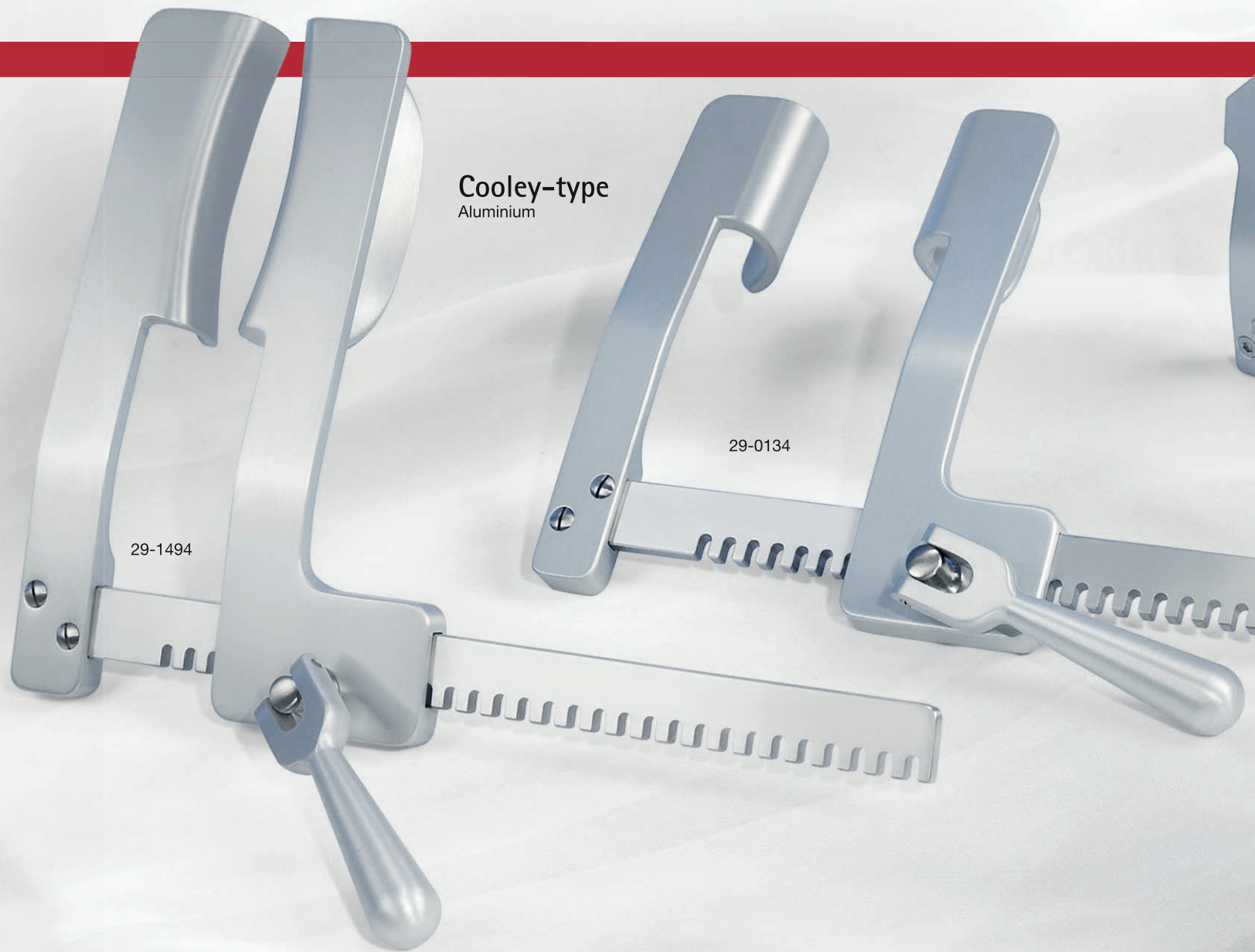
Benefit from our experience with various materials and our expertise in the field of surface treatments. With over 35 years of production experience, we can implement your projects effectively and quickly.

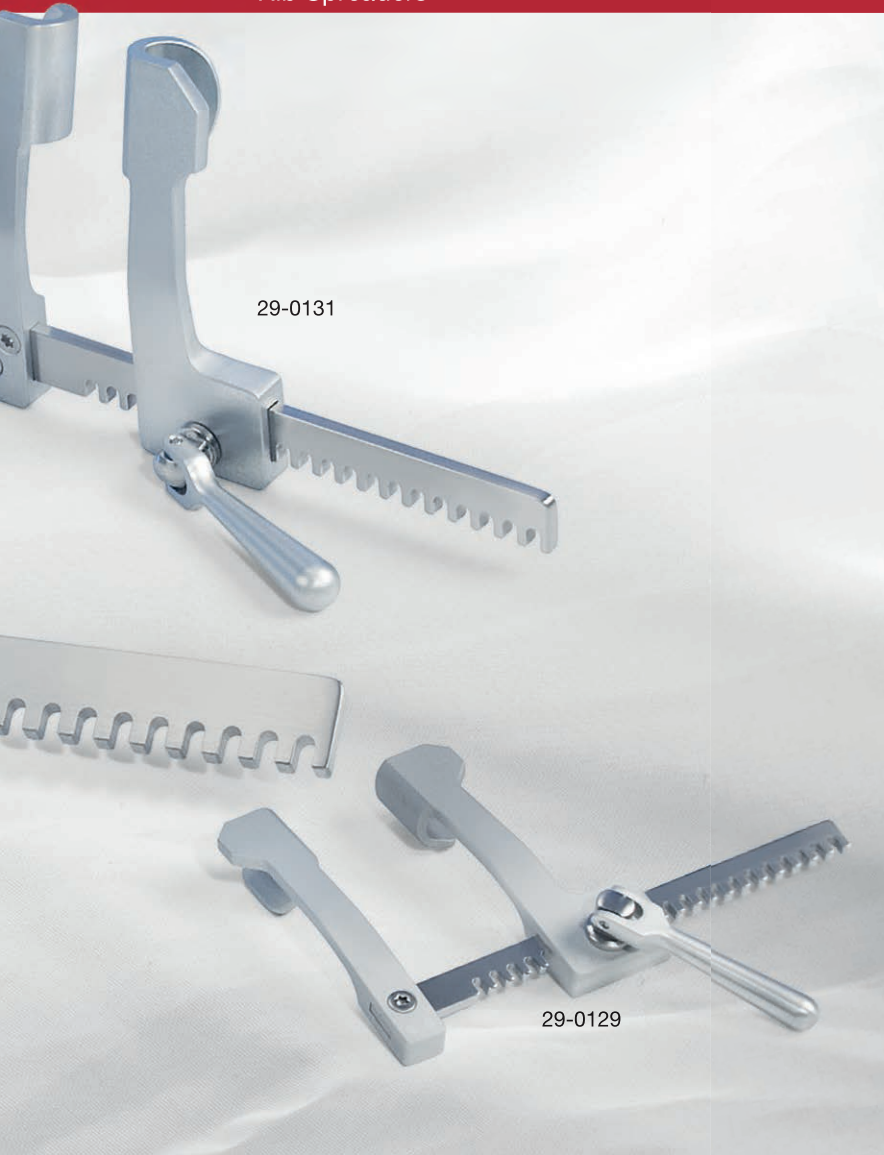


Cooley-type
Aluminium

29-1494

29-0134



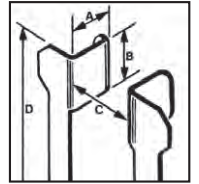


29-0131

29-0129

Aluminium

The specific gravity of Aluminum is very low (2.7), approximately only one third of steel (7.8). Therefore, products made of Aluminum are very lightweight. At the same time it has a high tensile strength, which makes it so suitable as durable structural material for spreading instruments. Aluminum is also non-magnetic, corrosion-resistant and recyclable. The surface of our Aluminium Rib Spreaders is anodized for a smooth non-glare appearance. Aluminium requires the use of non-alkaline, neutral cleaning agents in combination with fully demineralized water for cleaning and sterilization. Otherwise damages to the anodized surface are possible. Many of our Aluminium Rib Spreader models are also available in stainless steel alternatively, usually identified by ".RS" behind the article number.



Cooley-type

Aluminium	Steel	Fig.	A	B	C	D
29-0130	29-0130.RS	XS	12 mm	15 mm	70 mm	55 mm
29-0129	29-0129.RS	S	14 mm	16 mm	80 mm	55 mm
29-0128*	29-0128.RS	SM	15 mm	20 mm	100 mm	80 mm
29-0131	29-0131.RS	M	15 mm	30 mm	110 mm	80 mm
29-0132	29-0132.RS	ML	20 mm	45 mm	140 mm	110 mm
29-0133	29-0133.RS	L	30 mm	50 mm	135 mm	145 mm
29-0134	29-0134.RS	L	30 mm	50 mm	185 mm	145 mm
29-1494	29-1494.RS	XL	35 mm	100 mm	180 mm	170 mm
29-1496	29-1495	XXL	35 mm	115 mm	230 mm	205 mm

with suture holder

29-1490	29-1490.RS	XL	35 mm	100 mm	180 mm	180 mm
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* with stabilizing pins in blade

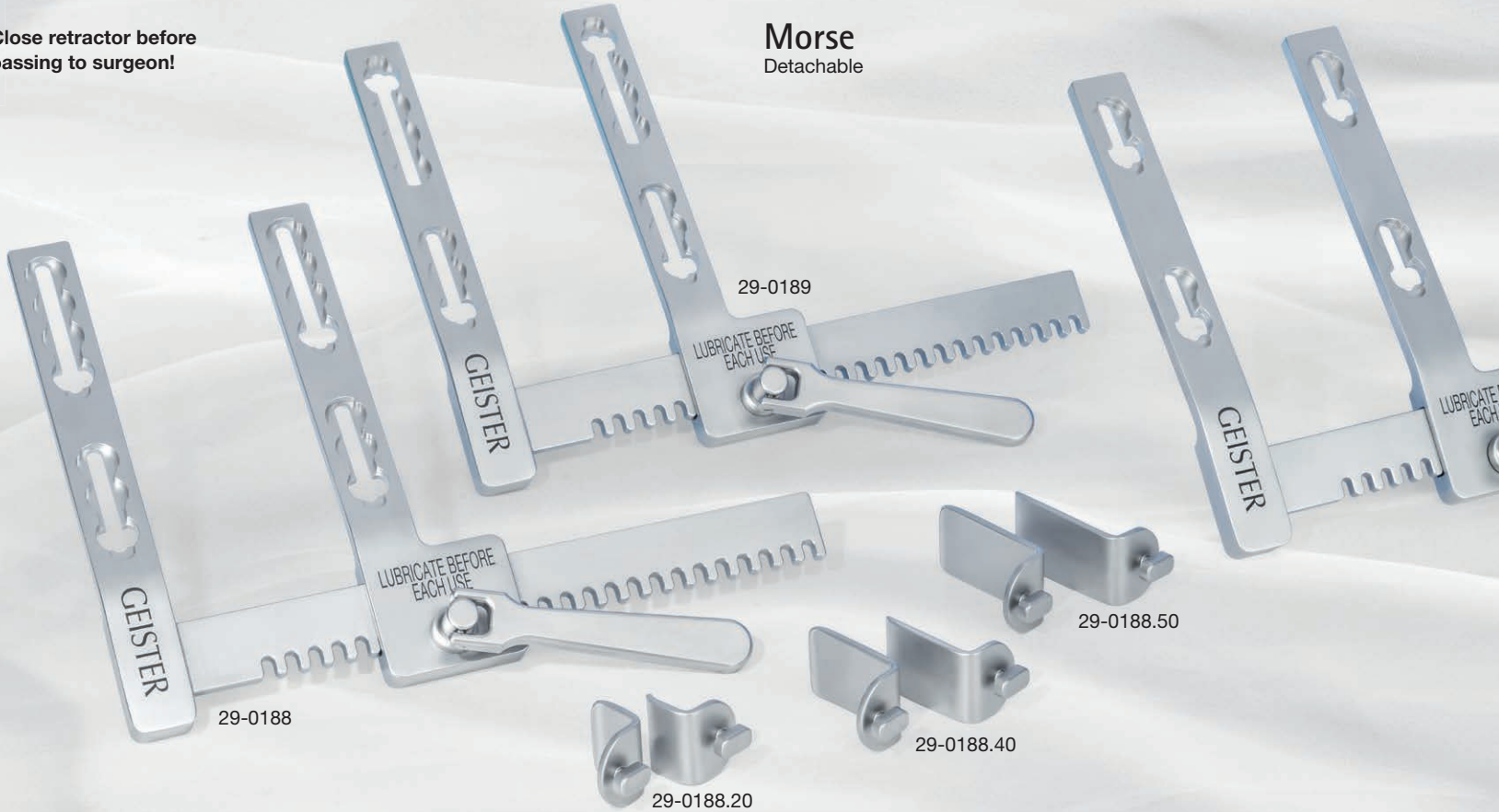


Rib Spreaders



Close retractor before passing to surgeon!

Morse
Detachable



29-0188

29-0189

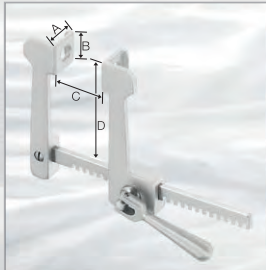
29-0188.20

29-0188.40

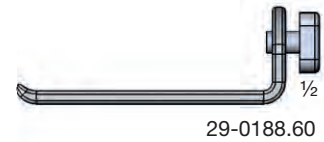
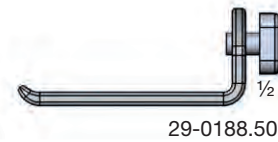
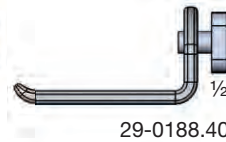
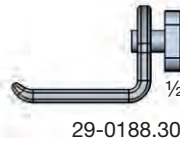
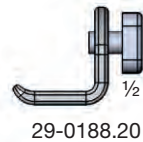
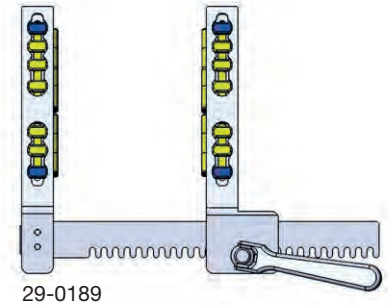
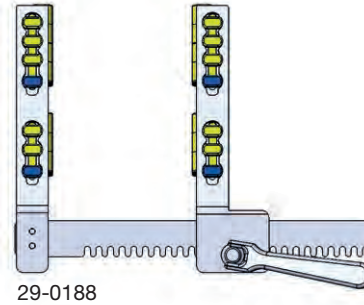
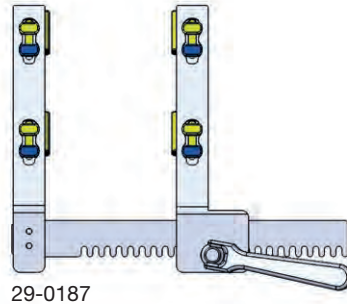
29-0188.50

Rib Spreaders

GEISTER®



- Plug-in
- Blades area



Morse without blades
Stainless steel, detachable

29-0187

29-0188

29-0189

Modified Thorax Version

C

180 mm

195 mm

195 mm

D

150 mm

150 mm

150 mm

Blades

29-0188.20

29-0188.30

29-0188.40

29-0188.50

29-0188.60

A

20 mm

30 mm

40 mm

50 mm

60 mm

B

28 mm

28 mm

28 mm

28 mm

28 mm



Morse
Aluminium

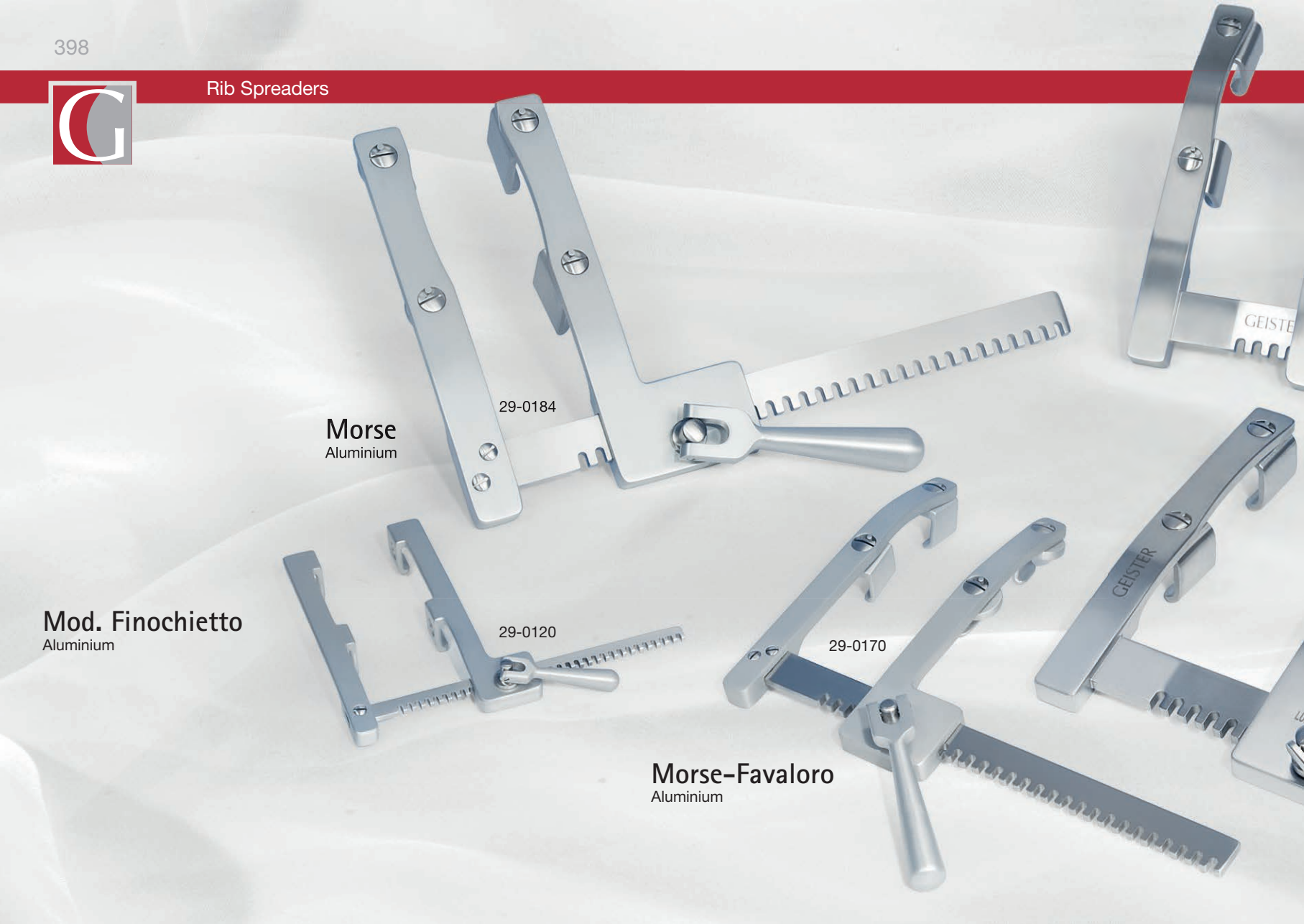
29-0184

Mod. Finochietto
Aluminium

29-0120

Morse-Favaloro
Aluminium

29-0170



Morse Mod. USA

Stainless Steel

29-0183.RS

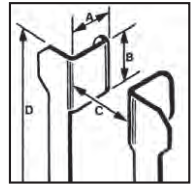
Morse

Stainless Steel

29-0182.RS

Aluminium

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**Mod. Finochietto****Aluminium**

29-0120

Fig.

S

A

10 mm

B

15 mm

C

120 mm

D

105 mm

blades

2x2

Morse-Favaloro**Aluminium Steel**

29-0170

29-0170.RS

M

12 mm

20 mm

155 mm

120 mm

2x2

29-0172

29-0172.RS

L

40 mm

20 mm

155 mm

175 mm

2x2

Morse Mod. USA**Aluminium Steel**

29-0181

29-0181.RS

M

20 mm

20 mm

155 mm

120 mm

2x2

29-0183

29-0183.RS

L

20 mm

28 mm

210 mm

155 mm

2x2

Morse**Aluminium Steel**

29-0180

29-0180.RS

M

20 mm

20 mm

155 mm

120 mm

2x2

29-0182

29-0182.RS

L

20 mm

28 mm

210 mm

155 mm

2x2

29-0184

29-0184.RS

L

30 mm

28 mm

210 mm

155 mm

2x2

29-0185

29-0185.RS

L

42 mm

28 mm

210 mm

155 mm

2x2

29-0186

29-0186.RS

XL

30 mm

35 mm

200 mm

195 mm

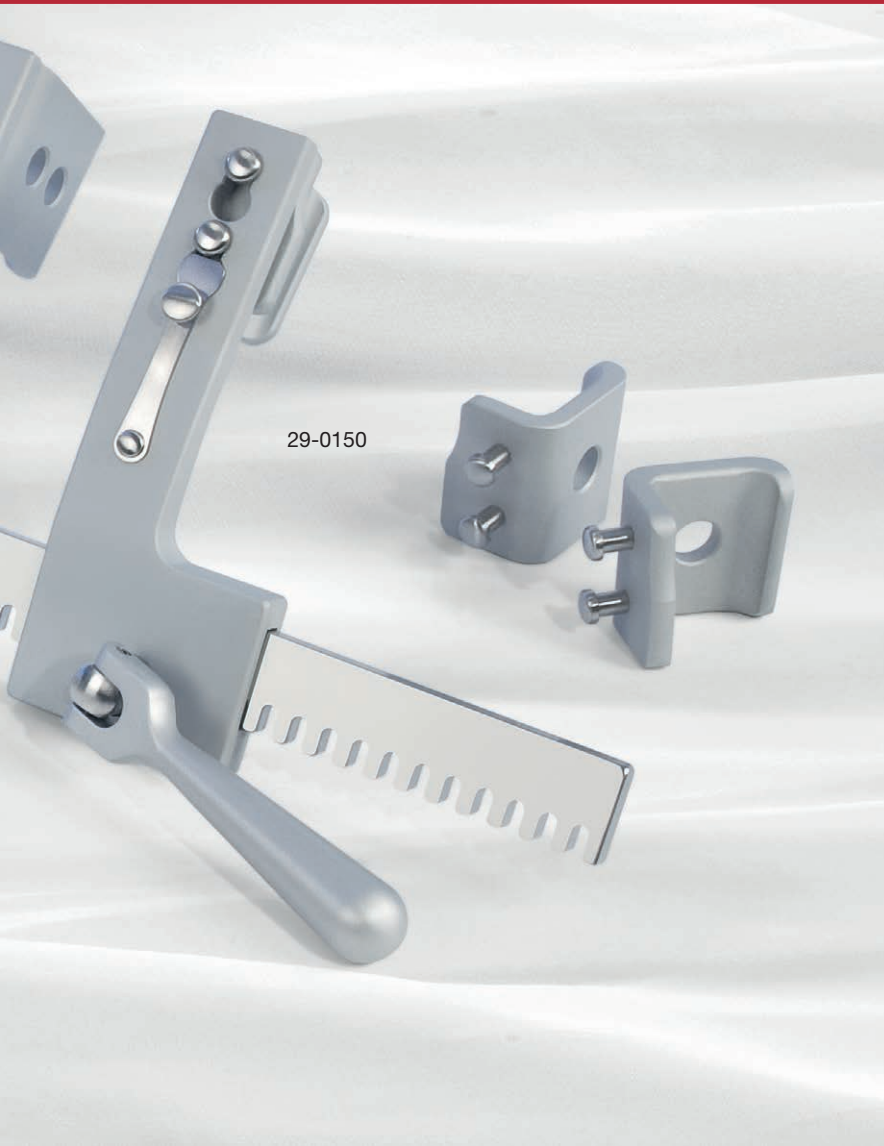
3x3



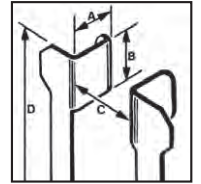
Burford-Finochietto
Aluminium

29-0154





29-0150



Aluminium

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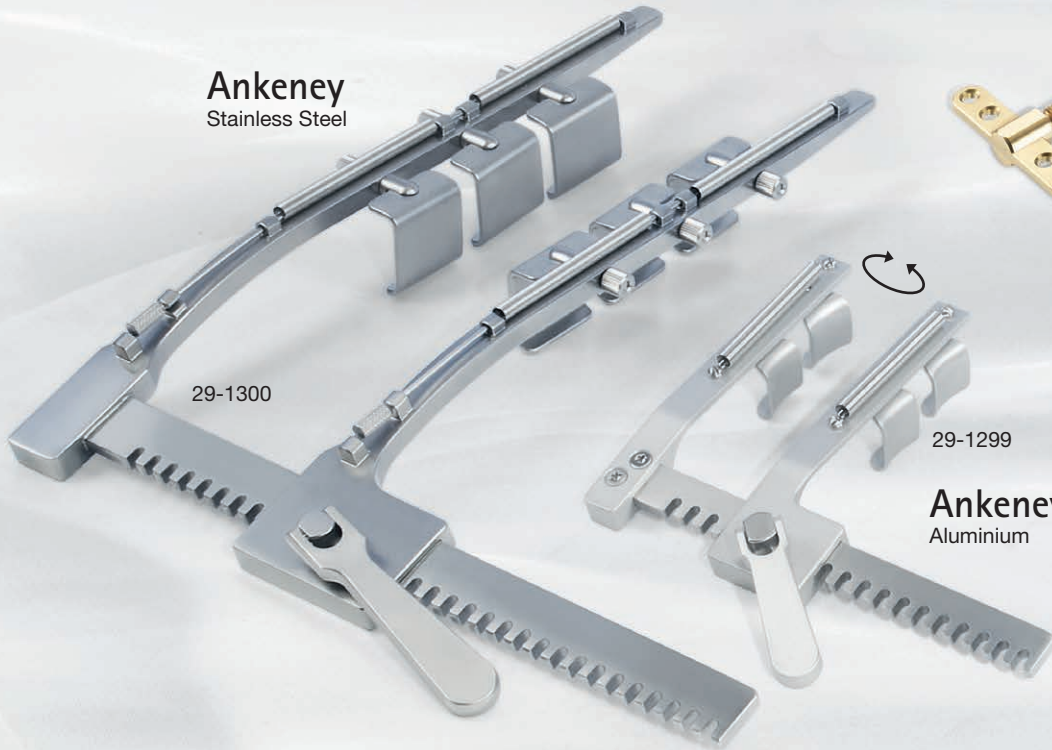
Burford-Finochietto with 2 pairs of blades

Aluminium	Steel	Fig.	A	B	C	D
29-0150	29-0150.RS	ML	41 mm 30 mm	42 mm 42 mm	130 mm	117 mm
29-0152	29-0152.RS	L XL	45 mm 65 mm	62 mm 62 mm	165 mm	200 mm
29-0154	29-0154.RS	L XL	45 mm 65 mm	62 mm 62 mm	250 mm	200 mm
29-0156	29-0156.RS	L XL	45 mm 65 mm	62 mm 62 mm	290 mm	200 mm

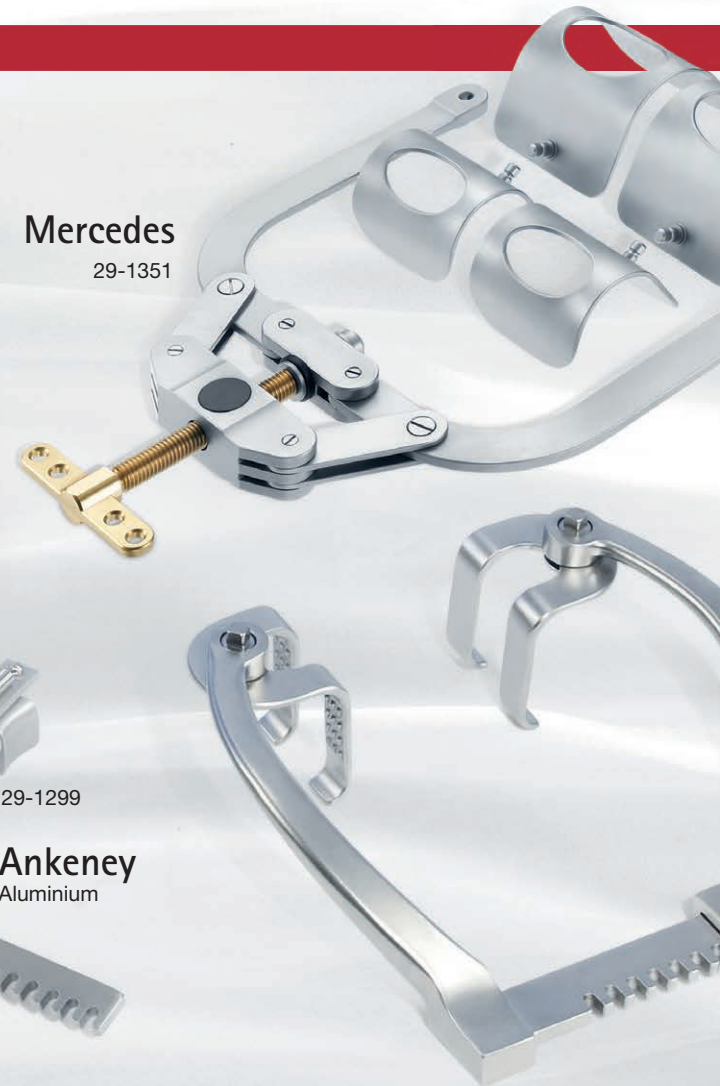


Ankeney
Stainless Steel

29-1300



Mercedes
29-1351



29-1299

Ankeney
Aluminium

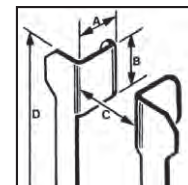
Rib Spreaders

GEISTER®

DeBakey-type

Stainless Steel

29-1370



Ankeney

Aluminium	Fig.	A	B	C	D
29-1299	M	20 mm	20 mm	125 mm	115 mm
Steel	Fig.	A	B	C	D
29-1300	XXL	33 mm	35 mm	220 mm	300 mm

optional extra blades

29-1300.42	42 mm	35 mm
29-1300.52	52 mm	35 mm

Spare Springs (Set of 4)

29-1300.FE

Mercedes

	Fig.	A	B	C	D
29-1351	L	75 mm	75 mm	280 mm	300 mm
		50 mm	65 mm		

DeBakey-type with 3 pairs of blades

Steel	Fig.	A	B	C	D
29-1360	XL	40 mm	100 mm	200 mm	225 mm
		50 mm	80 mm		
		60 mm	60 mm		
29-1370	ML	50 mm	50 mm	150 mm	180 mm
		40 mm	40 mm		
		30 mm	30 mm		

Sellors (UK) with 3 pairs of blades and key

Steel	Fig.	A	B	C	D
29-1600	L	38 mm	50 mm	200 mm	195 mm
		45 mm			
		65 mm			

29-1600

Sellors (UK)

Stainless Steel



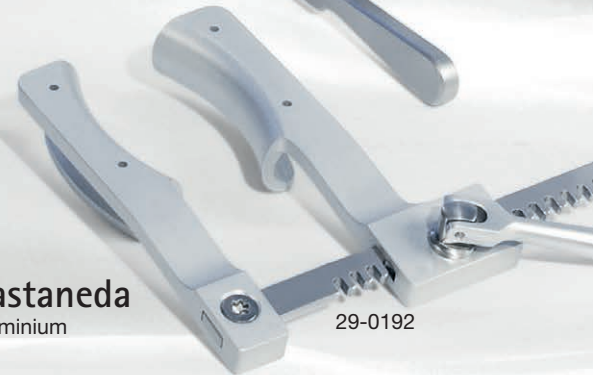
Speroni-Alexi Infant
Stainless Steel



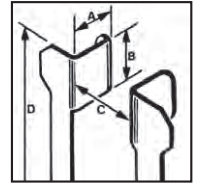
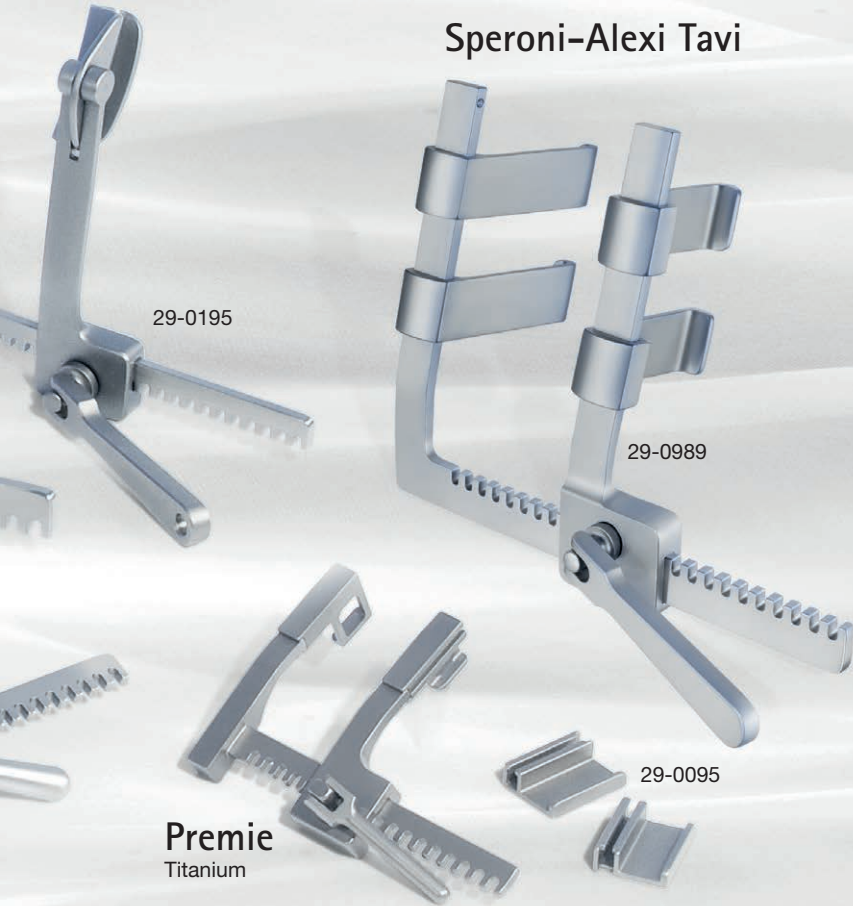
Eufrate-Pasqué
Stainless Steel



Castaneda
Aluminium



Speroni-Alexi Tavi



Premie with 2 pairs of blades

Titanium	Fig.	A	B	C	D
29-0095	XS	15 mm 15 mm	10 mm 20 mm	52 mm	40 mm

Castaneda

Aluminium	Steel	Fig.	A	B	C	D
29-0190	29-0190.RS	XS	16 mm	30 mm	65 mm	55 mm
29-0192	29-0192.RS	S	12 mm	45 mm	73 mm	80 mm
29-0194	29-0194.RS	M	15 mm	60 mm	100 mm	125 mm

Speroni-Alexi Infant with 2x4 blades

Steel	Fig.	A	B	C	D
29-0990	S	20 mm 30 mm	20 mm 20 mm	135 mm	120 mm

Alexi Tavi

29-0989	M	40 mm 50 mm	20 mm 20 mm	135 mm	120 mm
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Size adjustable with free positionable blades. Usable with 2, 3 or 4 blades. Gently rounded for suture protection.

Eufrate-Pasqué
flip-over style

Steel	Fig.	A	B	C	D
29-0195	XS	10 mm	30 mm	65 mm	75 mm
29-0196	S	18 mm	45 mm	80 mm	90 mm
29-0197	M	18 mm	45 mm	90 mm	100 mm
29-0198	L	18 mm	55 mm	90 mm	85 mm

Premie
Titanium



29-0220

Tuffier



Mini Thoracotomy

29-1400



GEISTER

GEISTER

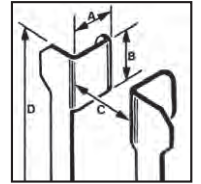


Rienhoff-Finochietto

29-0230

Baby-Haight

29-0240



Rienhoff-Finochietto

Art.-No.	Fig.	A	B	C	D
29-0230	M	20 mm	25 mm	150 mm	110 mm

Baby-Haight

Art.-No.	Fig.	A	B	C	D
29-0240	S	30 mm	30 mm	85 mm	70 mm
29-0242	M	30 mm	30 mm	120 mm	90 mm

Tuffier

Art.-No.	Fig.	A	B	C	D
29-0220	ML	42 mm	45 mm	170 mm	110 mm

Mini-Thoracotomy

Art.-No.	A	B	C	D
29-1400	38 mm	12 mm	70 mm	90 mm



Amato Neonatal
Sternal Retractors



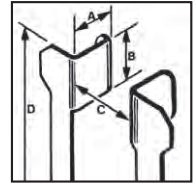
29-0905



29-0904



29-0903

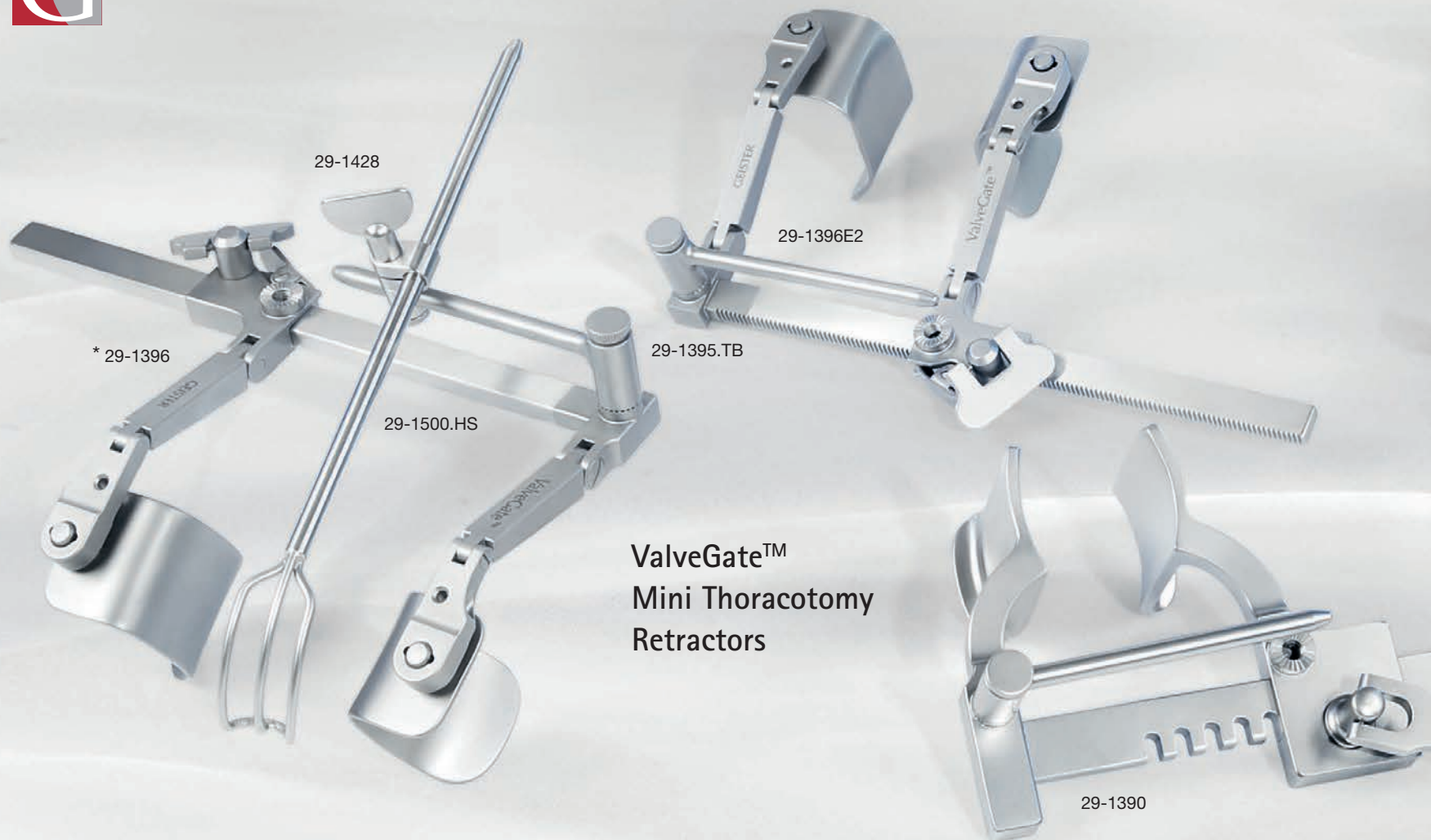


Amato Neonatal Sternal Retractors

Specifically designed by Joseph J. Amato (Rush University Medical Center, Chicago, U.S.A.) for use in the infant or small child surgery, the Amato neonatal sternal retractors* are designed to assist in avoiding bowing of the chest by spreading pressure over 2 or 3 points, rather than only one area. The selection of three sizes with arm length of 4 cm, 5.9 cm and 8.9 cm provides flexibility in matching retractor size to the incision.

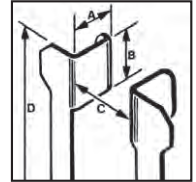
Art.-No.	Fig.	A	B	C	D	blades
29-0905	SM	14 mm	13 mm	70 mm	89 mm	6
29-0904	S	14 mm	13 mm	70 mm	59 mm	4
29-0903	XS	10 mm	10 mm	60 mm	40 mm	4

* as specified by Joseph J. Amato, Rush University Medical Center, Chicago, Illinois, U.S.A.





ValveGate™ Mini-Thoracotomy Retractors
and turnable crossbar (detachable) for accessories



Art.-No.
Retractor
complete

29-1395	straight arms, tubular Blades
29-1390	curved arms, tubular Blades, with strong spreading bar
29-1390.45	curved arms, tubular Blades, with strong spreading bar
29-1390.80	curved arms, tubular Blades, with strong spreading bar

A	B	C	D
60 mm	40 mm	90 mm	120 mm
60 mm	40 mm	120 mm	75 mm
45 mm	40 mm	90 mm	75 mm
80 mm	40 mm	120 mm	75 mm

with hinged arms, exchangeable blades

29-1396	with 2 x 2 paralle blades
29-1396E2	with 2 x 2 tubular blades**
29-1396E3	with 2 x 2 tubular blades**

Art.-No. Blade Pair

29-1396.40	35 mm	35 mm	165 mm	100 mm
29-1396.50	50 mm	35 mm		
29-1396E.50	50 mm	40 mm	165 mm	100 mm
29-1396E.70	70 mm	40 mm		
29-1396E.30	30 mm	40 mm	165 mm	100 mm
29-1396E.50	50 mm	40 mm		
29-1396E.70	70 mm	40 mm		

Art.-No.

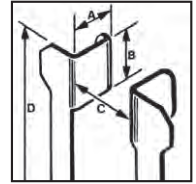
Accessories Recommended Accessories

29-1395.TB	Extra turnable crossbar	
29-1500.HS	Cooley, rigid, curved basket	230 mm, 20 mm
29-1428	Cooley, rigid, curved basket	Ø 6 mm
10-8000	Blade Changing Forceps (is including in 29-1396, 29-1396E2, 29-1396E3)	

* shown with 29-1428 and 29-1500.HS (not included).

** also available with fenestrated blades. Add „M“ behind article number.





Mini IMA Retractor, French-type

Art.-No.	A mm	B mm	C mm	D mm
29-1155	20	24	110	75

Berdar IMA Retractor IMAGate™

Art.-No.	A mm	B mm	C mm	D mm
29-1156	11	60		155
	21	60		
	26	60		
	56	50		

French Model IMA Retractor

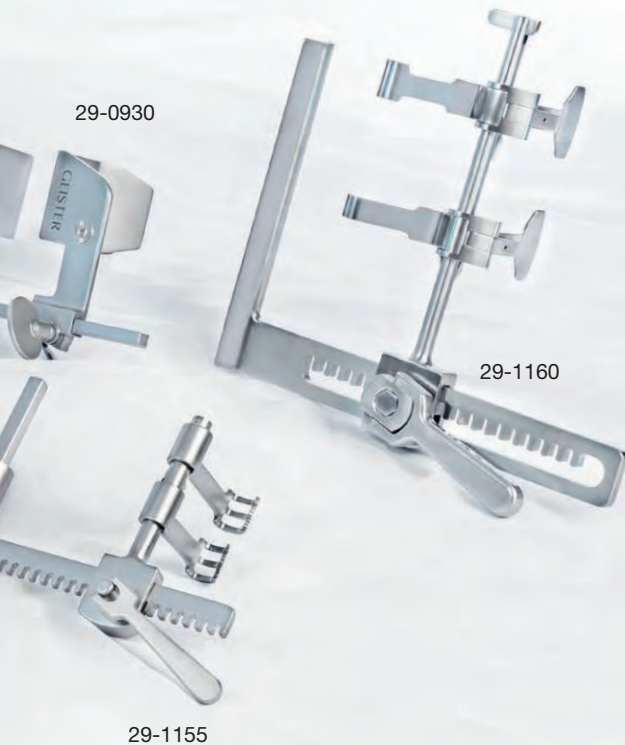
Art.-No.	A mm	B mm	C mm	D mm
29-1160	37	12	180	150
	37	20		

Adams-Yozu Retractor

Art.-No.	A mm	B mm	C mm	D mm
29-0930	55	50	95	85
	65	50		

small version

Art.-No.	A mm	B mm	C mm	D mm
29-0929	45	40	95	85
	55	40		



Thorax-Lifter Retractor

for MIDCAB a.o.

- + stable rib elevation
- + facilitates harvesting
- + excellent exposure
- + larger operating area
- + choice of 2 lower blades
- + choice of 3 upper blades

left side open

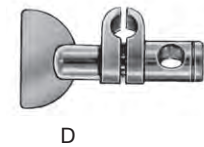
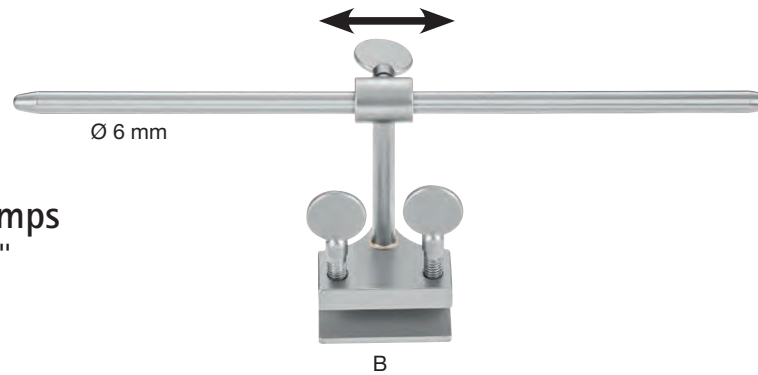
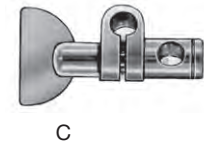
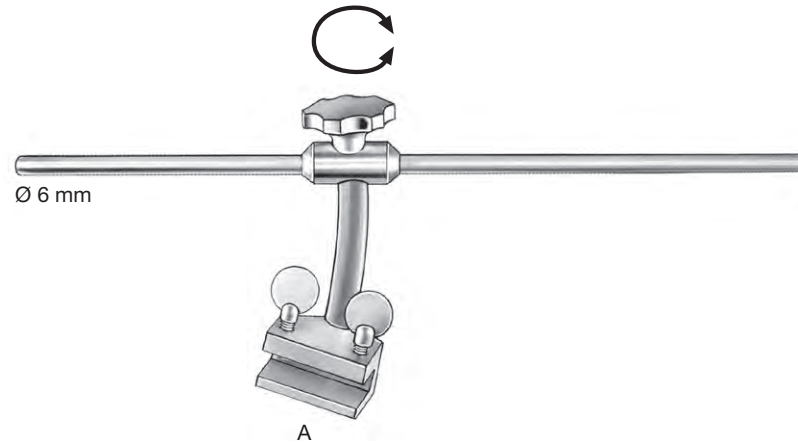
Art.-No.
29-1120

right side open

Art.-No.
29-1121

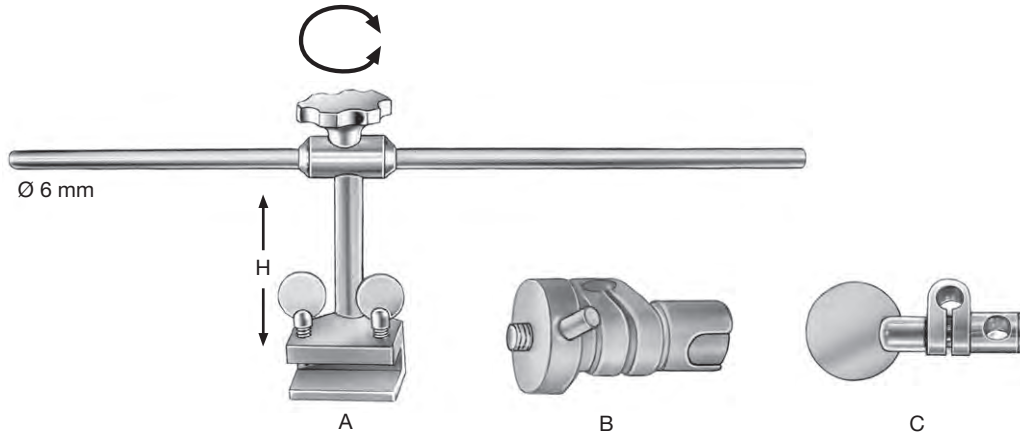
A mm	B mm	C mm	D mm
115	40		120
90	40		
70	40		
45	40		
35	40		

* bold = shown



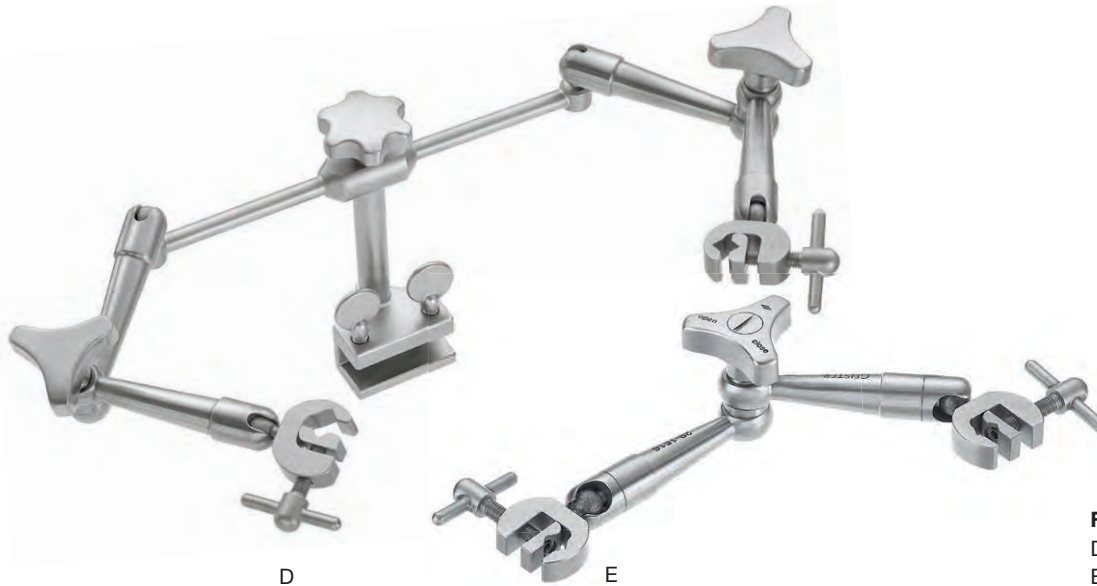
T-bars and Fixation Clamps

Fig.	Art.-No.	Ø mm	Length mm / "
A	29-1005.TB	6	250 / 10
B	29-1414	6	180 / 7
C	29-1428	6	
D	29-1429	6	splitted



T-bars and Fixation Clamp

Fig.	Art.-No.	Ø mm	Length mm / "	Hight mm
A	29-1005.TS 29-1005.TL	6	200 / 10	60 30
B	29-1511	6		
C	29-1500.FC	6		

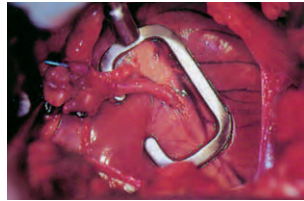


Mini Iron Assistant™

Fig.	Art.-No.	Hight mm
D	29-1515	60
E	29-1516	



Lectiang Stabilizer, large



Lectiang Stabilizer, small



**Lectiang Stabilizer
large**
Art.-No.
29-1436

**Lectiang Stabilizer
small**
Art.-No.
29-1438

Fork Stabilizer



Multipurpose Spatula



Bulldog Clamp / Vascular Holder



Fork Stabilizer

Art.-No.
29-1435

Multipurpose Spatula

Art.-No.
29-1437

Bulldog Clamp/Vascular Holder

Art.-No.
29-1440



Ross Retractor

serrated



Marberger Retractor



Ross Retractor serrated, 25 cm

Art.-No.

29-1471	16 x 16 mm	small
29-1472	24 x 14 mm	medium
29-1473	24 x 17 mm	large

Marberger Retractor, 24 cm

Art.-No.

29-1445	17 mm	small
29-1446	20 mm	medium
29-1447	23 mm	large

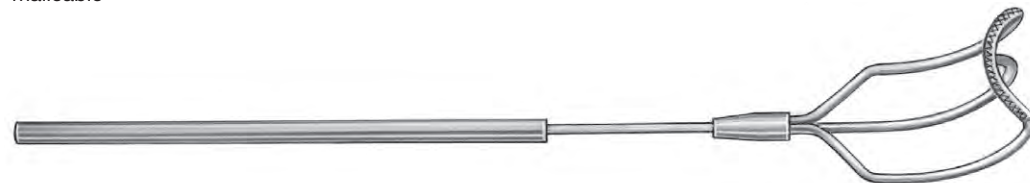
Cooley-type Rake Retractor malleable, 26 cm

Art.-No.

29-1430	20 mm	small
29-1431	35 mm	medium
29-1432	45 mm	large

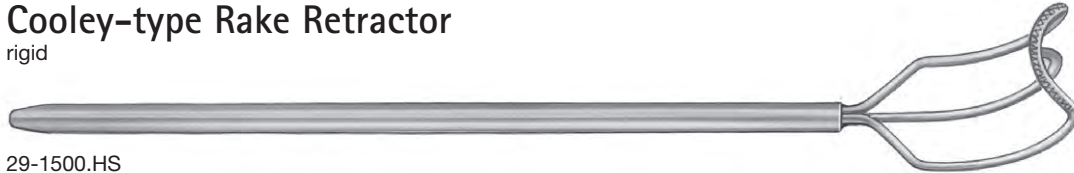
Cooley-type Rake Retractor

malleable



Cooley-type Rake Retractor

rigid



29-1500.HS



29-1500.HT

Malleable Blade Retractor



Malleable Illumination Arm



Cooley-type Rake Retractor rigid, 24 cm

Art.-No.	Length/Width	
29-1500.HS	20 mm	small
29-1500.HM	35 mm	medium
29-1500.HT	45 mm	tricuspid
29-1500.HL	45 mm	large

Malleable Rake Retractor, 26 cm

Art.-No.
29-1500.BH

Malleable Illumination Arm

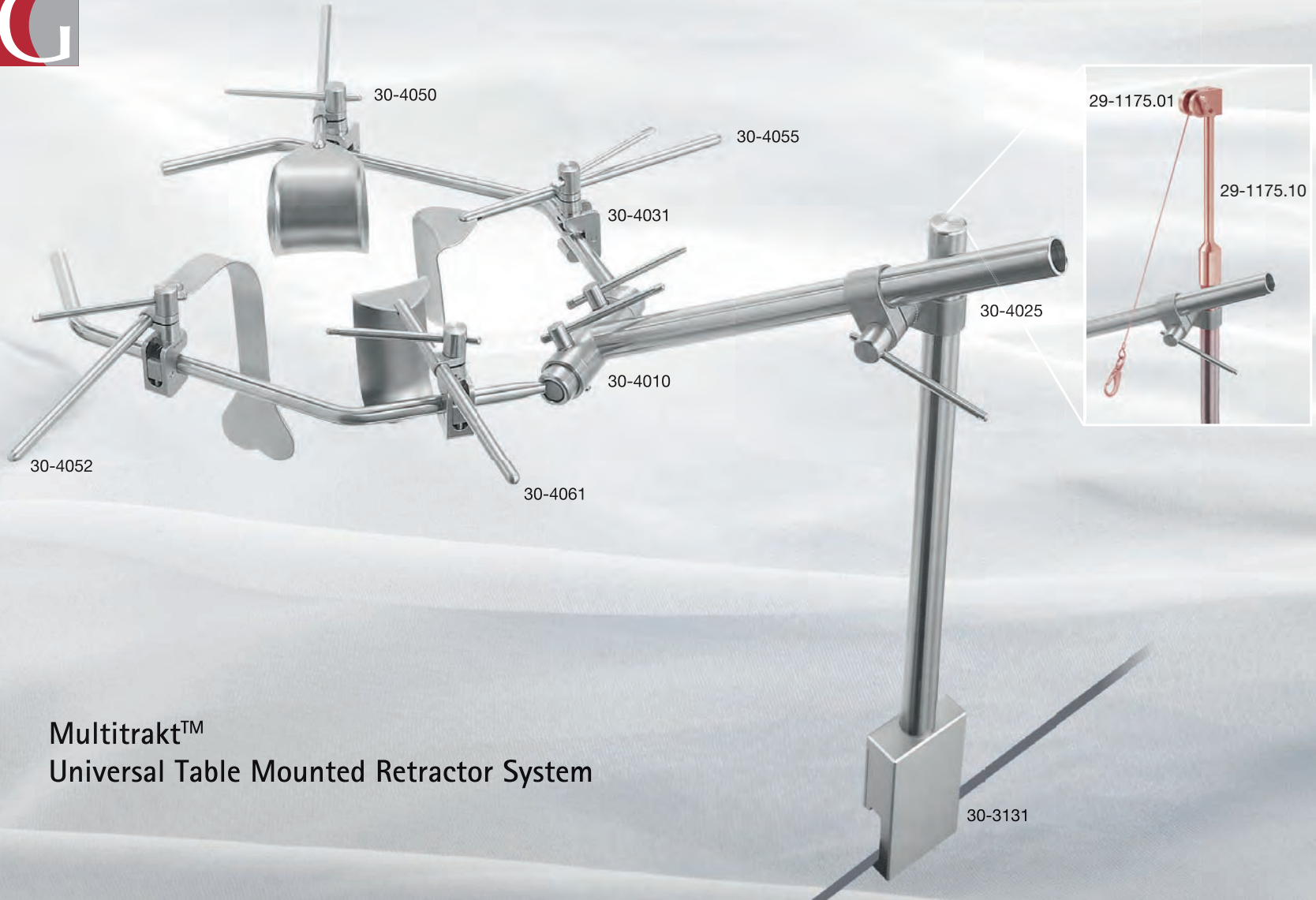
fits onto almost all available rib
spreaders.

Angelini

Art.-No.
29-1215 Storz-type connector



Multitrakt™ Universal Table Mounted Retractor System



Multitrakt™
Universal Table Mounted Retractor System

Complete Universal Retractor System

Includes

30-4000 Art.-No.	Consisting of: Description	qty.
30-4010	Retractor Frame	1
30-3131	Table Clamp with vertical post	1
30-4025	Post Coupling	1
30-4031	Retractor Clamp (over the post, snap-on version)	6
	Standard Retractor Blades (1 each, see next column)	6

Optinal extras

Art.-No.	Description
30-4027	Extension Bridge to connect the frame ends (Liver Bridge)
30-4030	Retractor Clamp (slide-on)
29-1175.01	Crank-Box with Wire-Lift and Hook
29-1175.10	Upper handle bar

Standard Retractor Blades

Art.-No.	Description
30-4050	Balfour, 65 x 75 mm / 2 ⁵ / ₈ x 3"
30-4052	Harrington, Standard
30-4055	Malleable, 200 x 75 mm / 8 x 3"
30-4056	Malleable, 150 x 50 mm / 6 x 2"
30-4060	Kelly, 50 x 65 mm / 2 x 3"
30-4061	Kelly, 50 x 100 mm / 2 x 4"

Optional Bariatric Blades

Art.-No.	Description
30-4053	Harrington, 90 x 200 mm / 3 ¹ / ₂ x 8"
30-4057	Malleable 75 x 25 mm / 3 x 10"
30-4058	Malleable 100 x 300 mm / 4 x 12"
30-4062	Kelly 65 x 25 mm / 2 ¹ / ₂ x 10"
30-4070	Joe's Hoe 90 x 175 mm / 3 ¹ / ₂ x 6 ¹ / ₂ "
30-4075	Deaver 100 x 180 mm / 4 x 7"

Multitrakt™ Universal Table Mounted Retractor System

A multipurpose retractor featuring independently moveable arms. The unique multi-plane positioning allows for virtually unlimited angle and retractor blade placement. Quick-connect blade clamps feature Fast-Lock turret design.

+ Universal Positioning Frame with Independently Moving Arms

More options for positioning than a fixed frame system

+ Locking Pivotal Neck

Move complete retractor set-up with the push of a button

+ Traditional Side Rail Attachment

Familiar setup procedure

+ Equipped with a Variety of Retractor Blades

Adaptable to virtually any open procedure

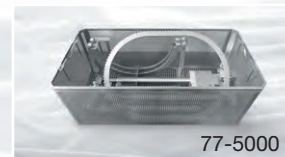
+ Now Available with Bariatric Blades

See reverse side for sizes and types of retractors for bariatric use

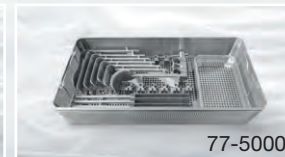
+ Retractor arms can be independently moved in all directions and tightened into position.



Bauchmeister™ Table Mounted Abdominal Retractor System



77-5000



77-5000

Bauchmeister™ table mounted Abdominal Retractor System

- + Provides multi-directional surgical site exposure
- + Applicable in a wide variety of abdominal procedures

+ Easy to assemble

consisting of solid and segmented rings, two types of horizontal bars, tilt and non-tilt ratchets and a wide selection of rigid and malleable blades

- + Use can be easily expanded by adding extra accessories

e.g. IMA accessories or Rectal Surgery accessories

- + Traditional Side Rail Attachment

familiar setup procedure

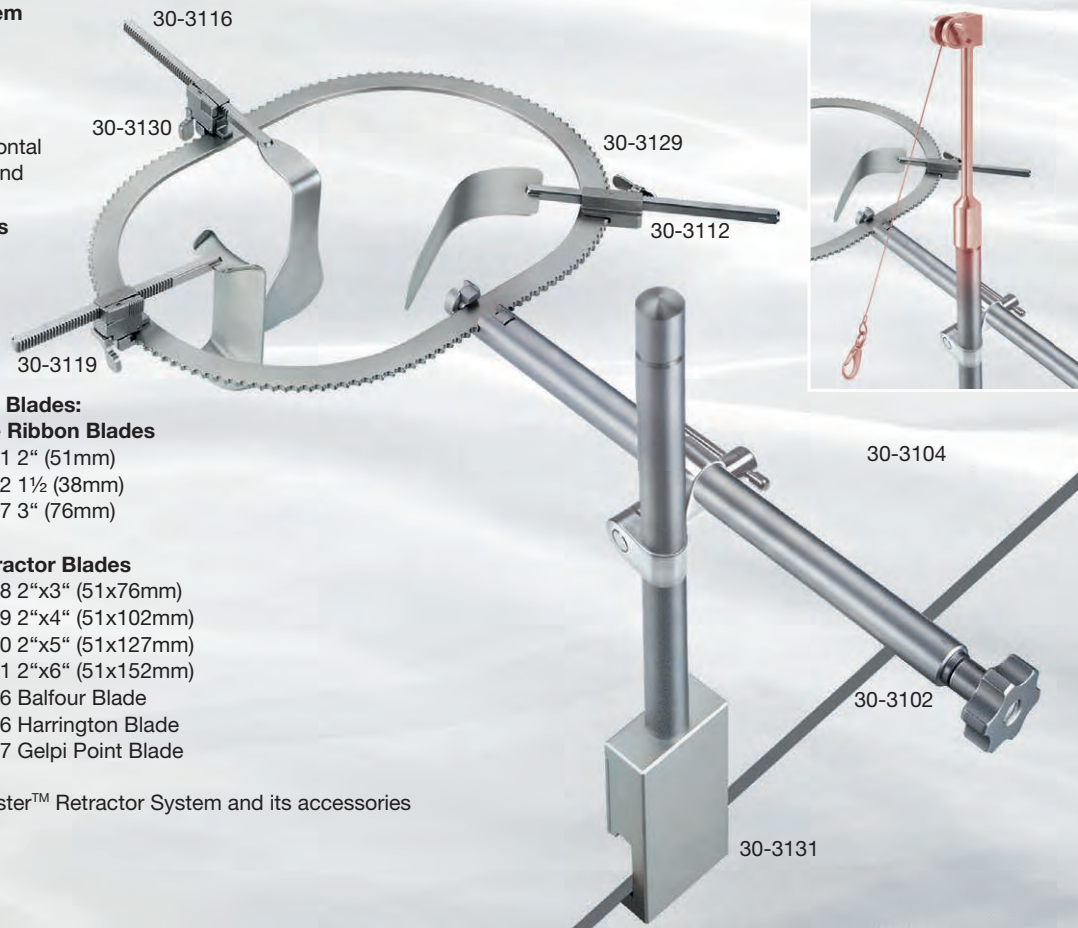
01-1550 Bauchmeister™ Abdominal Retractor - Basic Kit

Includes:

- (1) 30-3131 Table Clamp with vertical post
- (1) 30-3102 Horizontal Bar
- (1) 30-3132 Horizontal Flex Bar
- (1) 30-3104 1" Post Coupling
- (2) 30-3129 Standard Ratchet Mechanism
- (6) 30-3130 Tilt Ratchet Mechanism
- (1) 30-3107 Oval Ring, medium size
- (1) 30-3133 Segmented Ring

Optional:

- 77-5000 Container Set (2 boxes with lids) for Bauchmeister™ Retractor System and its accessories
- 29-1175.01 Crank-Box with Wire-Lift and Hook
- 29-1175.10 Upper handle bar



Retractor Blades:

Malleable Ribbon Blades

- (2) 30-3111 2" (51mm)
- (2) 30-3112 1½" (38mm)
- (2) 30-3117 3" (76mm)

Kelly Retractor Blades

- (1) 30-3118 2"x3" (51x76mm)
- (1) 30-3119 2"x4" (51x102mm)
- (1) 30-3120 2"x5" (51x127mm)
- (1) 30-3121 2"x6" (51x152mm)
- (1) 30-3126 Balfour Blade
- (1) 30-3116 Harrington Blade
- (1) 30-3127 Gelpi Point Blade

Order information

Fig.	Art.-No.	Description
A	30-3129	Standard Ratched
B	30-3130	Tilting Ratchet
C	30-3128	Rotating and Tilting Ratchet
D	30-3104	Post Coupling 25 mm / 1"
E	30-3132	Horizontal Flex Bar 360° rotation
F	30-3102	Horizontal Bar 25 mm / 1"
	30-3103	Vertical Extension Bar 25 mm / 1"
		Length 305 mm / 12"
G	30-3131	Table Post 25 mm / 1"



A



B



C



D



E



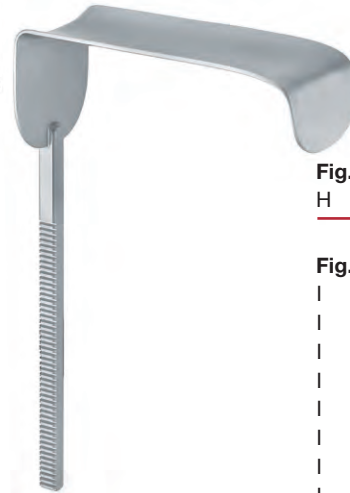
F



G



H



I

Retractor Blades

Harrington Blade

Fig.	Art.-No.	Description
H	30-3116	63 x 143 mm / 2½ x 5½"

Kelly Blade

Fig.	Art.-No.	Description
I	30-3118	51 x 76 mm / 2 x 3"
I	30-3119	51 x 102 mm / 2 x 4"
I	30-3120	51 x 127 mm / 2 x 5"
I	30-3121	51 x 152 mm / 2 x 6"
I	30-3122	51 x 63 mm / 2 x 2½"
I	30-3113	51 x 51 mm / 2 x 2"
I	30-3115	51 x 38 mm / 2 x 1½"
I	30-3124	25 x 38 mm / 1 x 1½"
I	30-3125	25 x 63 mm / 1 x 2½"



Retractor Blades

Art.-No.	Fig.	Description
30-3126	A	Balfour Blade 2½"x3" (67x76mm)
30-3135	B	Rectal Blade, small 3" (73mm)
30-3136	B	Rectal Blade, large 4" (98mm)
30-3127	C	Gelpi Point Blade, sharp
30-3111	D	Malleable (Ribbon) Blade, 2" (51mm)
30-3112	D	Malleable (Ribbon) Blade, 1½" (38mm)
30-3117	D	Malleable (Ribbon) Blade, 3" (76mm)
30-3192		Deaver Blade, small 1"x3½" (5x89mm)
30-3193		Deaver Blade, large 1"x 5" (25x127mm)
30-3197		Richardson Blade ¾"x1" (19x25mm)
30-3198		Richardson Blade ¾"x2" (19x51mm)
30-3199		Richardson Blade 1"x1¼" (25x32mm)
30-3191		Lateral Blade 1"x3" (25x76mm)
30-3194		Posterior Blade 1"x4½" (25x114 mm)



A



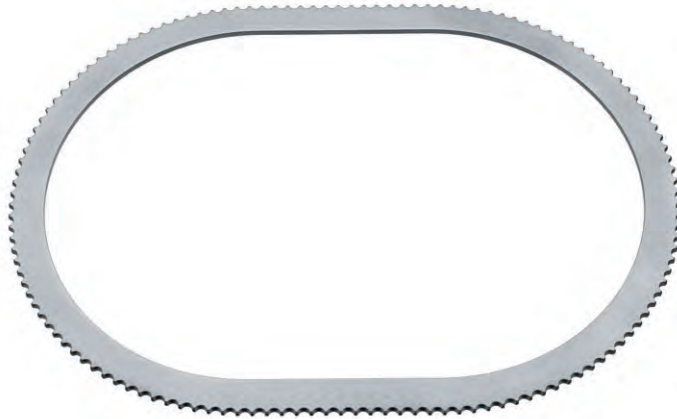
B



C



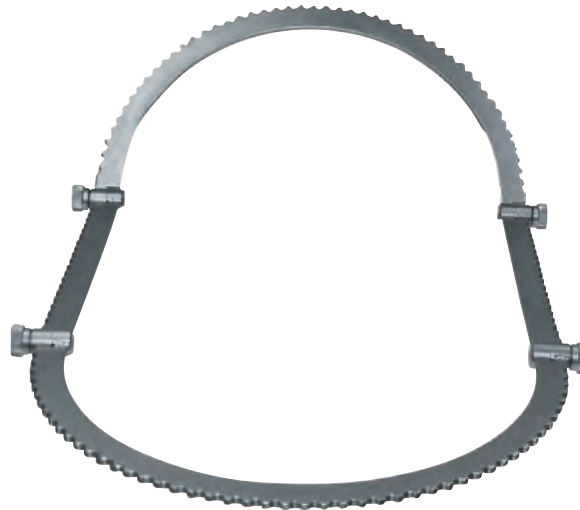
D



A



B



C

Rings

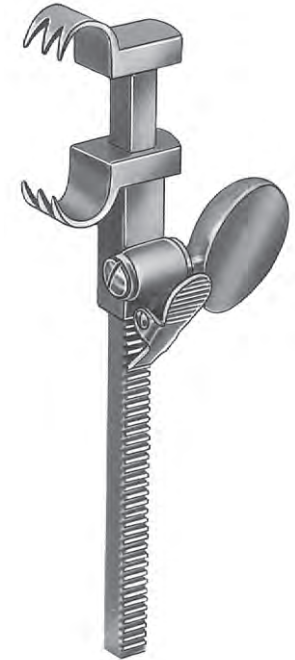
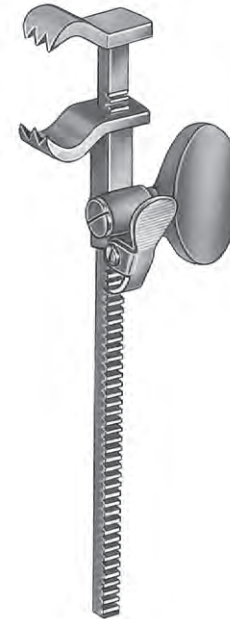
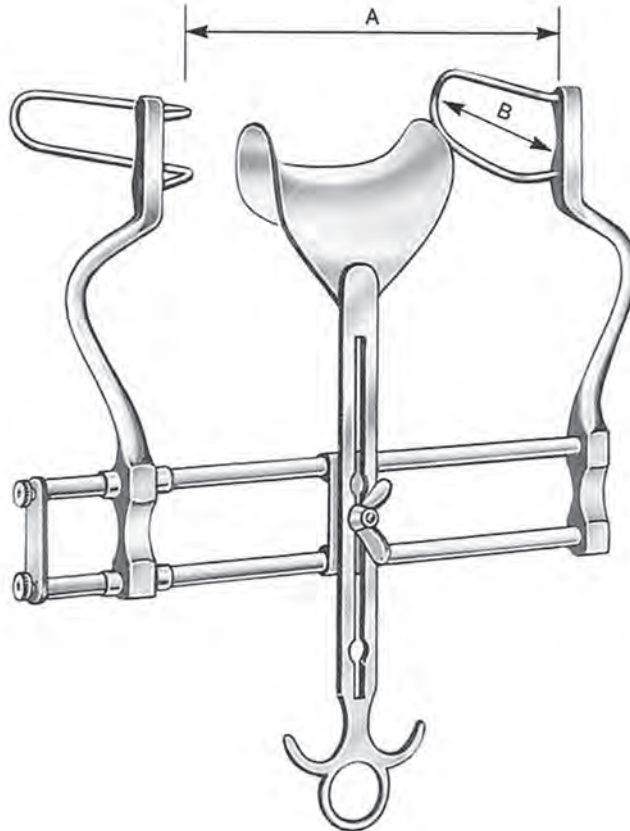
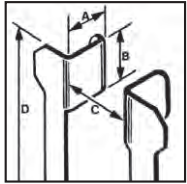
Art.-No.	Fig.	Description
30-3106	A	Oval Ring, large 12"x18½" (267x470mm)
30-3107	A	Oval Ring, medium 10x14½" (267x368mm)
30-3108	A	Oval Ring, small 8"x12¼" (203x311mm)
30-3110	B	Round Ring, large 12½" (317mm)
30-3109	B	Round Ring, medium 10½" (266mm)
30-3134	B	Round Ring, small 8½" (216 mm)
30-3138	C	Segmented Ring, large 12½"x19½" (317x495mm)
30-3133	C	Segmented Ring, medium 10½"x19½" (266x495mm)
30-3137	C	Segmented Ring, small 8½"x14" (216x356mm)
30-3215	C	Segmented Ring, spinal 8½" (216mm)



Balfour

Bailey-Baby

Bailey

**Balfour**

Art.-No.	A	B
30-2330	160 mm	70 mm
30-2335	250 mm	100 mm

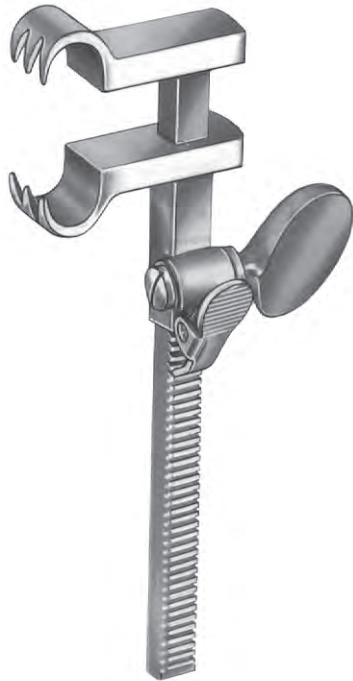
Bailey-Baby

Art.-No.	Length
29-0340	150 mm/6"

**Bailey
short arm**

Art.-No.	Length
29-0320	165 mm/6¼"

Bailey-Gibbon



Sellors



Lemmon

**Bailey-Gibbon****long arm**

Art.-No.	Length
29-0325	165 mm/6¼"

Sellors

Art.-No.	Length
29-0310	200 mm/8"

Lemmon

Art.-No.	Length
29-0330	180 mm/7"

**Spring Retractor****3 x 3 blunt prongs**

Art.-No.	Size	Length
30-1001	Mini	25 mm
30-1002	Small	31 mm
30-1003	Medium	38 mm
30-1005	Large	54 mm

3 x 3 sharp prongs

30-1001.SH	Mini	25 mm
30-1002.SH	Small	31 mm
30-1003.SH	Medium	38 mm
30-1005.SH	Large	54 mm

Finsen Spring Retractor**2 x 3 blunt prongs**

Art.-No.	Size	Length
30-1011	Large	50 mm
30-1013	Extra-Large	70 mm

2 x 3 sharp prongs

30-1010	Large	50 mm
30-1012	Extra-Large	70 mm

Nitinol Spring Retractor**with superelastic memory effect****5 x 5 semi-sharp prongs**

Art.-No.	Size	Length	pressure
30-1019	Medium	40 mm	1.8N
30-1020	Medium	40 mm	1.2N
30-1021	Medium	40 mm	0.6N

Spring Wire Retractor**1 x 1 semi-sharp prongs**

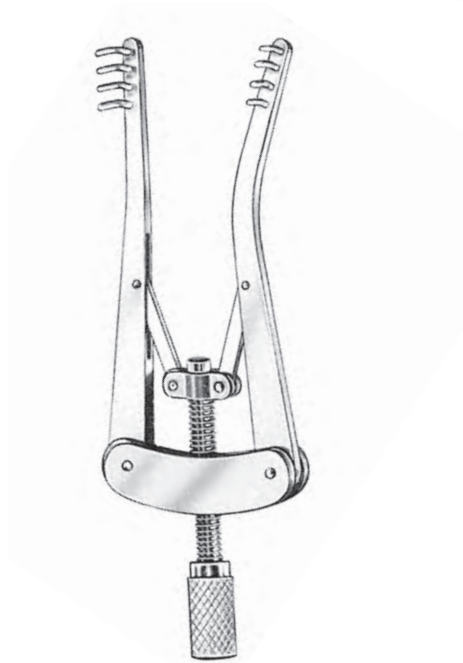
Art.-No.	Size	Length
30-1000	Medium	40 mm

Spring Retractor**Finsen Spring Retractor****Nitinol Spring Retractor**

with superelastic memory effect

**Spring Wire Retractor**

Alm



Weitlaner

**Alm**

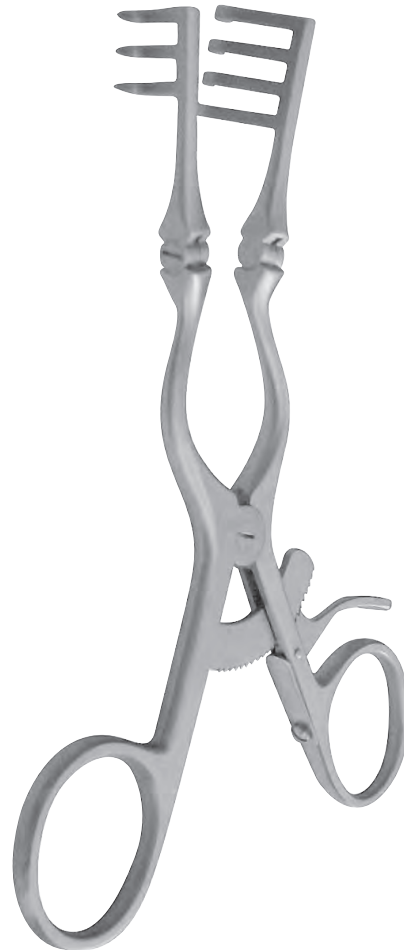
Art.-No.		Length
30-0900	sharp	10 cm/4"
30-0910	sharp	7 cm/2½"
30-0901	blunt	10 cm/4"
30-0911	blunt	7 cm/2½"

Weitlaner

Art.-No.		Length	prongs
30-0590	sharp	11 cm/4¼"	2 x 3
30-0600	sharp	13 cm/5"	3 x 4
30-0605	sharp	16 cm/6¼"	3 x 4
30-0610	sharp	20 cm/8"	3 x 4
30-0615	sharp	25 cm/10"	3 x 4
30-0601	semi-sharp	13 cm/5"	3 x 4
30-0606	semi-sharp	16 cm/6¼"	3 x 4
30-0611	semi-sharp	20 cm/8"	3 x 4
30-0616	semi-sharp	25 cm/10"	3 x 4
30-0592	blunt	11 cm/4¼"	2 x 3
30-0602	blunt	13 cm/5"	3 x 4
30-0607	blunt	16 cm/6¼"	3 x 4
30-0612	blunt	20 cm/8"	3 x 4
30-0617	blunt	25 cm/10"	3 x 4



Cone



West's (UK)

**Cone**

Art.-No.		Length	prongs
30-0640	sharp	13 cm/5"	3 x 4
30-0642	sharp	16 cm/6¼"	3 x 4
30-0644	sharp	20 cm/8"	3 x 4
30-0641	blunt	13 cm/5"	3 x 4
30-0643	blunt	16 cm/6¼"	3 x 4
30-0645	blunt	20 cm/8"	3 x 4

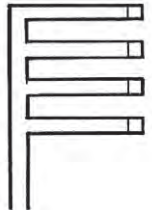
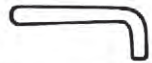
West's (UK)

Art.-No.		Length	prongs
30-0599		14 cm/5½"	3 x 4

Henly

This modification of the Weitlaner retractors offers improved exposure in femoral, popliteal, and carotid positions through attachment of a third blade. It is also very useful for hernia repair.

Self-retaining



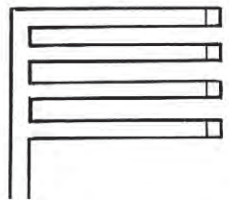
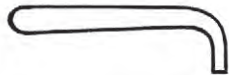
A



B



C



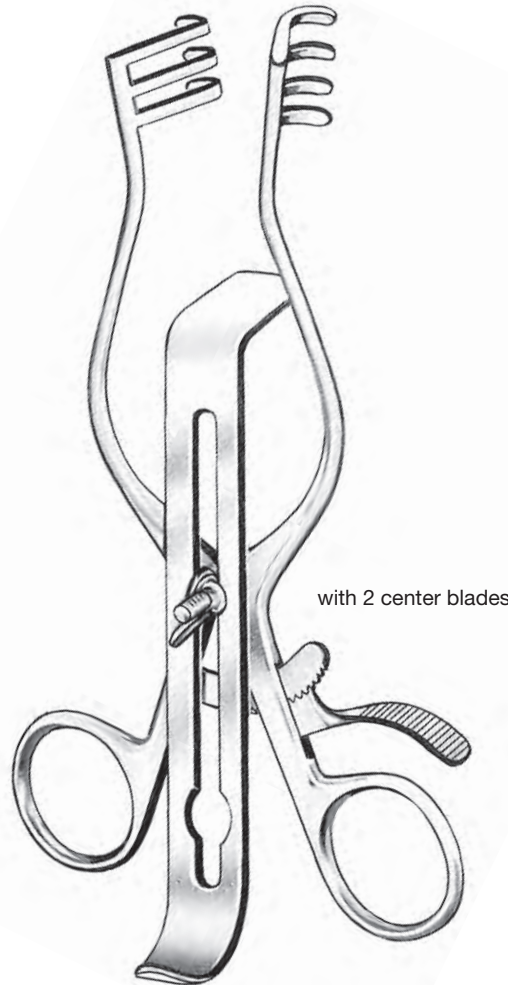
D



E



F



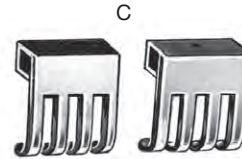
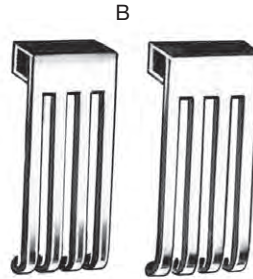
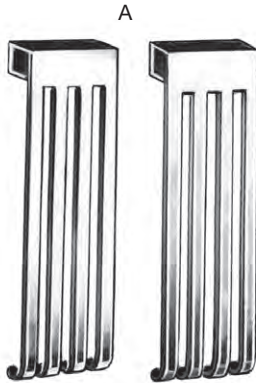
Henly Self-retaining		
Art.-No.	Fig.	
30-0700	A	Standard pattern with center blade 19 and 25 mm
30-0730	B	19 mm
30-0732	C	25 mm
30-0710	D	Deep pattern with center blade 30 and 40 mm
30-0734	E	30 mm
30-0736	F	40 mm



Self-retaining Retractors

Mod. Henly

with interchangeable center and side blades, complete set



Mod. Henly

Art.-No.

30-0717	complete system, 17.5 cm arms straight
30-0718	complete system, 17 cm arms spread outward (not illustrated)
30-0736	Optional deep blade, 40 mm
30-0719.51	Optional deep blade, 51 mm
30-0719.76	Optional deep blade, 76 mm

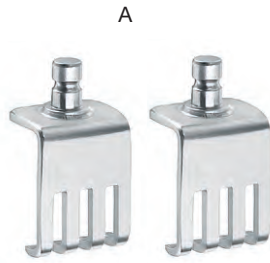
Art.-No.	Fig.	Length
30-0717.76	A	76 mm
30-0717.51	B	51 mm
30-0717.25	C	25 mm
30-0717.BD	D	
30-0730	E	19 mm
30-0732	F	25 mm
30-0734	G	30 mm

Multipurpose Retractor

for use in vascular surgery, spinal surgery,
orthopaedic surgery and general surgery



D



A



B



C



E

F

G

Multipurpose Retractor

Art.-No.

30-0720

complete with frame
and 3 center blades
and 3 pairs of side
blades

Art.-No.

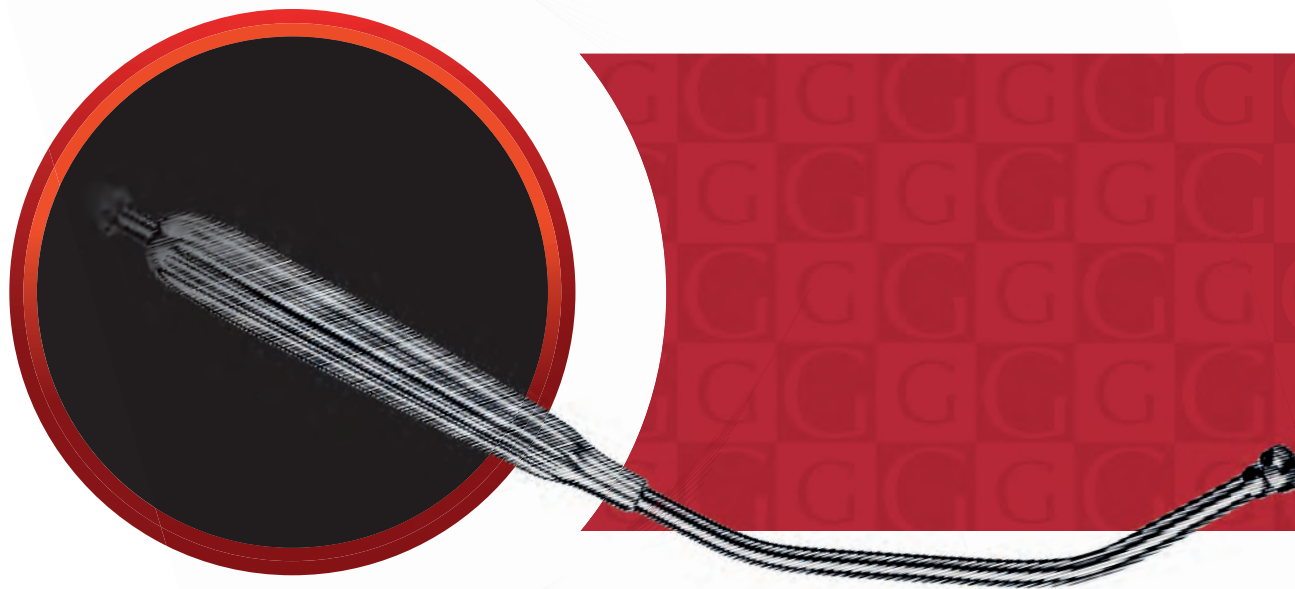
30-0720.25
30-0720.50
30-0720.75
30-0720.BD
30-0730
30-0732
30-0734

Fig.

A
B
C
D
E
F
G

Length

25 mm
50 mm
75 mm
19 mm
25 mm
30 mm



Suction Tubes | Tube Accessories





Suction Tips



18-0228

18-0200

18-0205



Brompton

Art.-No.	Length mm / "	Ø mm
18-0190	300 / 11¾	5

DeBakey-type

Art.-No.	Length mm / "	Ø mm
18-0200	280 / 11	9

Morse-Andrews

Art.-No.	Length mm / "	Ø mm
18-0205	260 / 10¼	6

Senning

Art.-No.	Length mm / "	Ø mm
18-0212	310 / 12¼	8

Andrew-Pynchon

Art.-No.	Length mm / "	Ø mm
18-0228	240 / 9½	8

Anthony

Art.-No.	Length mm / "	Ø mm	Charr./Fr.
18-0229	270 / 10½	4	12

* bold = shown



Suction Tips



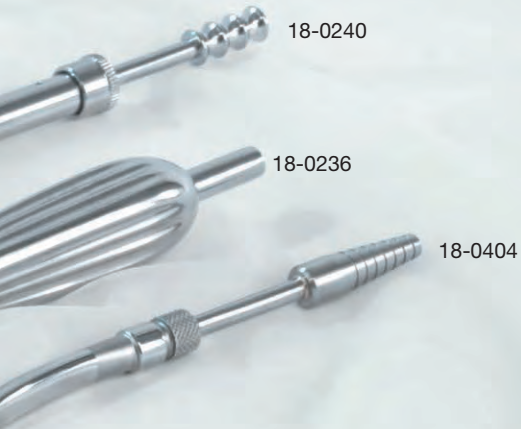
18-0235

18-0230

18-0232

Suction Tips

GEISTER®



Yankauer

Art.-No.	Length mm / "	Ø mm
18-0230	295 / 11½	10

Baby-Yankauer

Art.-No.	Length mm / "	Ø mm
18-0232	210 / 8¼	8

Harley-Street

Art.-No.	Length mm / "	Ø mm
18-0235	230 / 9	10

Hammersmith

Art.-No.	Length mm / "	Ø mm
18-0236	240 / 9½	6
18-0237	265 / 10½	6

Poole

Art.-No.	Length mm / "	Ø mm	
18-0240	235 / 9¼	10	straight
18-0242	245 / 9¾	8	curved

Bugge™

Art.-No.	Length mm / "	Ø mm	
18-0400	290 / 11½	13	large
18-0402	290 / 11½	10	medium
18-0404	200 / 8	8	small
18-0406	200 / 8	6	mini
18-0408	200 / 8	4.5	micro

* bold = shown



Suction Tips



18-0233

18-0222

18-0234

18-0420.04



Southampton-Pediatric

Art.-No.	Length mm / "	Ø mm	
18-0188	195 / 7½	3	fluted tip
18-0189	195 / 7½	3	

Cooley-type

Art.-No.	Length mm / "	Ø mm
18-0220	335 / 14¼	8
18-0222	310 / 12¼	8
18-0223	300 / 12	9
18-0224	330 / 13	8
18-0225	270 / 10½	9

Jamieson

Art.-No.	Length mm / "	Ø Hole / Ball mm	
18-0420	270 / 10½	1.5	straight, with stylet
18-0420.01	270 / 10½	1	straight, with stylet
18-0420.02	265 / 10¼	1	60° angled, without stylet
18-0420.03	260 / 10½	1.5	90° angled, without stylet
18-0420.04	290 / 11½	1.5	straight, without stylet, Fino
18-0420.05	290 / 11½	1.5	30° angled, without stylet, Fino
18-0420.06	270 / 10½	0.5	30° angled, with stylet
18-0420.07	270 / 10½	1	30° angled, with stylet
18-0420.08	270 / 10½	1	30° angled, with stylet
18-0420.09	270 / 10½	0.5	straight, with stylet
18-0420.10	210 / 8¼	1	straight, with stylet
18-0420.11	270 / 10½	0.5	15° angled, with stylet
18-0420.12	270 / 10½	1	15° angled, with stylet

Braun-Ralph

Art.-No.	Length mm / "	Ø mm
18-0233	315 / 12½	7
18-0233.03	315 / 12½	3
18-0233.05	315 / 12½	5

Osaka

Art.-No.	Length mm / "	Ø mm
18-0234	270 / 10½	7



Suction Tips



18-0425

18-4032

18-4072



18-0430

Pediatric

Art.-No.	Length mm / "	Ø mm
18-0424	160 / 6¼	5
18-0425	210 / 8¼	3
18-0426	225 / 8¾	4
18-0427	245 / 9¾	4

HLM

Art.-No.	Length mm / "	Ø mm
18-0430	280 / 11	6.9

Frazier

Art.-No.	Length mm / "	Ø mm	Ø Hole / Ball mm	
18-4020	170 / 6¾	2	6	straight
18-4021	170 / 6¾	2.7	8	straight
18-4022	170 / 6¾	3.3	10	straight
18-4023	170 / 6¾	4	12	straight
18-4030	130 / 5	2	6	45° angled
18-4031	130 / 5	2.7	8	45° angled
18-4032	130 / 5	3.3	10	45° angled
18-4033	130 / 5	4	12	45° angled
18-4040	170 / 6¾	2	6	45° angled
18-4041	170 / 6¾	2.7	8	45° angled
18-4042	170 / 6¾	3.3	10	45° angled
18-4043	170 / 6¾	4	12	45° angled
18-4044	170 / 6¾	5	15	45° angled
18-4060	170 / 6¾	2	6	90° angled
18-4061	170 / 6¾	2.7	8	90° angled
18-4062	170 / 6¾	3.3	10	90° angled
18-4063	170 / 6¾	4	12	90° angled

DeBakey-Adson-type

Art.-No.	Length mm / "	Ø mm
18-4070	200 / 8	4
18-4072	160 / 6¼	4



Suction Tips and Flushing Needles



18-4575



18-4550



18-4551



18-0281



18-0102

18-0282





18-4563

18-4473

Straight Reducer

Art.-No.	mm	inch
18-4469	16 -> 12	5/8 -> 1/2
18-4470	16 -> 9	5/8 -> 3/8
18-4471	12 -> 9	1/2 -> 3/8
18-4472	12 -> 6	1/2 -> 1/4
18-4473	9 -> 6	3/8 -> 1/4
18-4474	6 -> 4.7	1/4 -> 3/16
18-4475	6 -> 3	1/4 -> 1/8
18-4476	8 -> 6	5/16 -> 1/4

Air Vent Needles

Art.-No.	Tube i.d."	Size
18-4550	1/4	18 ga.
18-4551	Luer-Lock	18 ga.

Heparin Flushing Needles

Art.-No.	Length mm / "	Ø mm
18-0099	45 / 1 3/4	2
18-0100	45 / 1 3/4	3
18-0102	55 / 2 1/4	3.7
18-0104	160 / 6 1/4	5

Tibbs Flushing Needles

Art.-No.	Length mm / "	Description
18-0280	58 / 2 5/16	small olive
18-0281	58 / 2 5/16	small conus
18-0282	58 / 2 5/16	large olive
18-0283	58 / 2 5/16	large conus
18-0284	Set of 4 (each one pieces of Tibbs Flushing Needles)	

Straight Connector

Art.-No.	Length mm / "	Tube i.d."
18-4562	51 / 2	1/2
18-4563	51 / 2	3/8
18-4564	51 / 2	1/4

Y-Connector

Art.-No.	Size "
18-4573	1/2 x 1/4 x 1/4
18-4574	1/2 x 3/8 x 1/4
18-4575	1/2 x 3/8 x W 3/8

* bold = shown



Suction Tips





18-4540

Sump Tubes – Baylor

Art.-No.	Angle	Ø mm
18-0300	90°	5
18-0301	45°	5
18-0305	90°	4
18-0306	45°	4
18-0308	straight	6.5

Ice Water Sucker

Art.-No.	Ø mm
18-0320	8 x 10

Basket – Ross

Art.-No.	Length of Basket mm	Tube i.d."
18-4500	29	1/2
18-4501	29	3/8
18-4502	20	3/8
18-4503	16	1/4

Sump Sucker – Ross

Art.-No.	Length of Basket mm	Tube i.d."	Size
18-4505	27.5	3/16	Adult
18-4506	19	3/16	Child
18-4507	13	1/8	Infant

Drain Vent – Ormond

Art.-No.	Length mm	Tube i.d."
18-4510	10	1/8
18-4511	18	1/4

Vent – Ross

Art.-No.	Length of Basket mm	Tube i.d."	Size
18-4520	33	3/16	Adult
18-4521	23	3/16	Child
18-4522	15	1/8	Infant

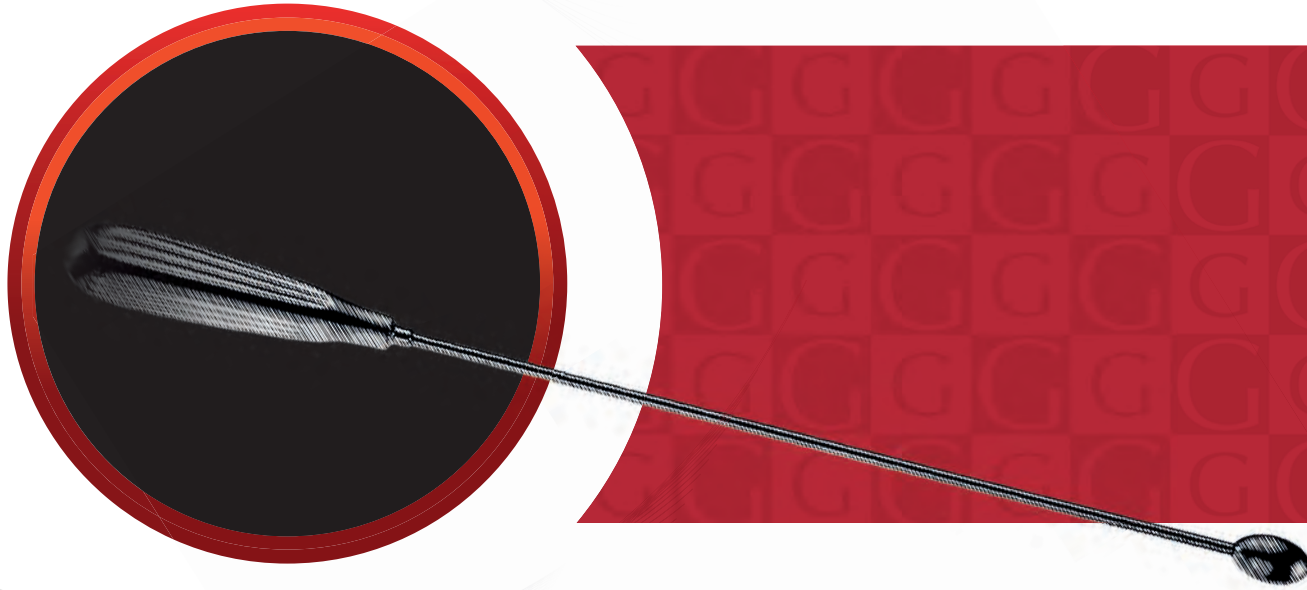
Vent – Bullet Heavy

Art.-No.	Length of Basket mm	Tube i.d."
18-4530	40	3/16

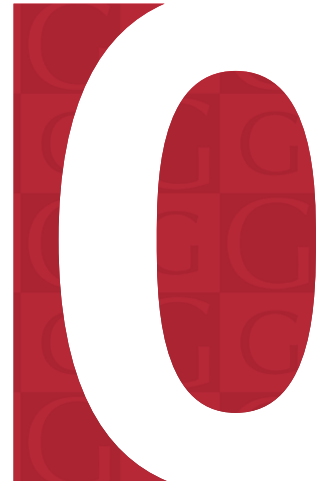
Vent – Bullet Double Lumen

Art.-No.	Length of Basket mm	Tube i.d."
18-4540	42	1/4

* bold = shown



**Miscellaneous | Vascular Punches
Dilators | Suture Catchers
Sizers | Tunnelers | Scalpels | Holloware**

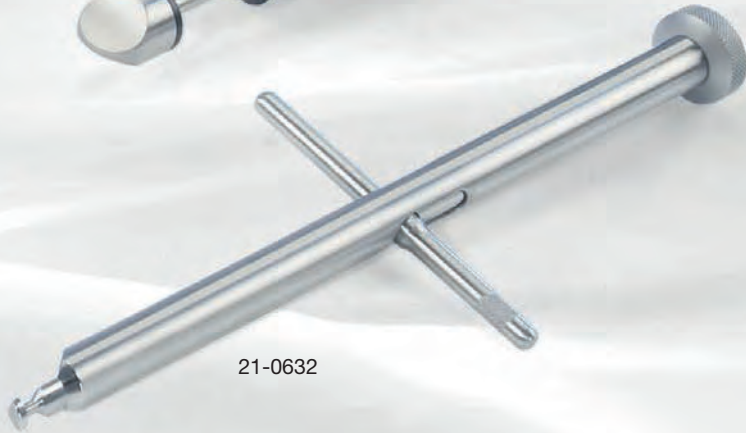




21-0594



21-0632



Reusable Vascular Punches

Total length	13.5 cm	17.5 cm	25 cm
working length	6.5 cm	9 cm	16 cm

Tip size Ø	Short assembly	Medium assembly	Long assembly
3.0 mm	21-0603	21-0613	21-0623
4.0 mm	21-0604	21-0614	21-0624
4.5 mm		21-0614.45	21-0628
5.0 mm	21-0605	21-0615	21-0625
6.0 mm	21-0606	21-0616	

Aazami

Triangular Vascular Punches, asymmetric ellipsoid blade

Art.-No.	Length	Size
21-0630	17 cm	3 mm
21-0631	17 cm	4 mm
21-0632	17 cm	5 mm
21-0633	17 cm	6 mm

Reusable Tissue Punches

Art.-No.	Length	Ø
21-0592	18 cm/7"	12 mm
21-0594	18 cm/7"	14 mm
21-0596	18 cm/7"	16 mm



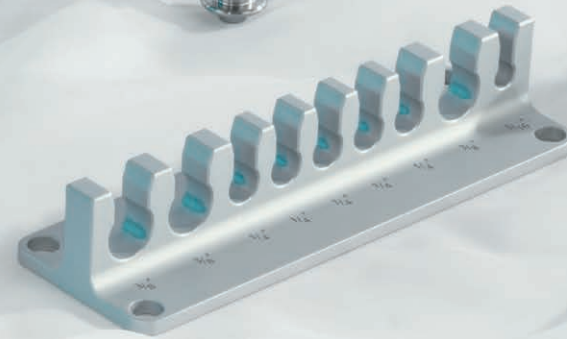
25-0038



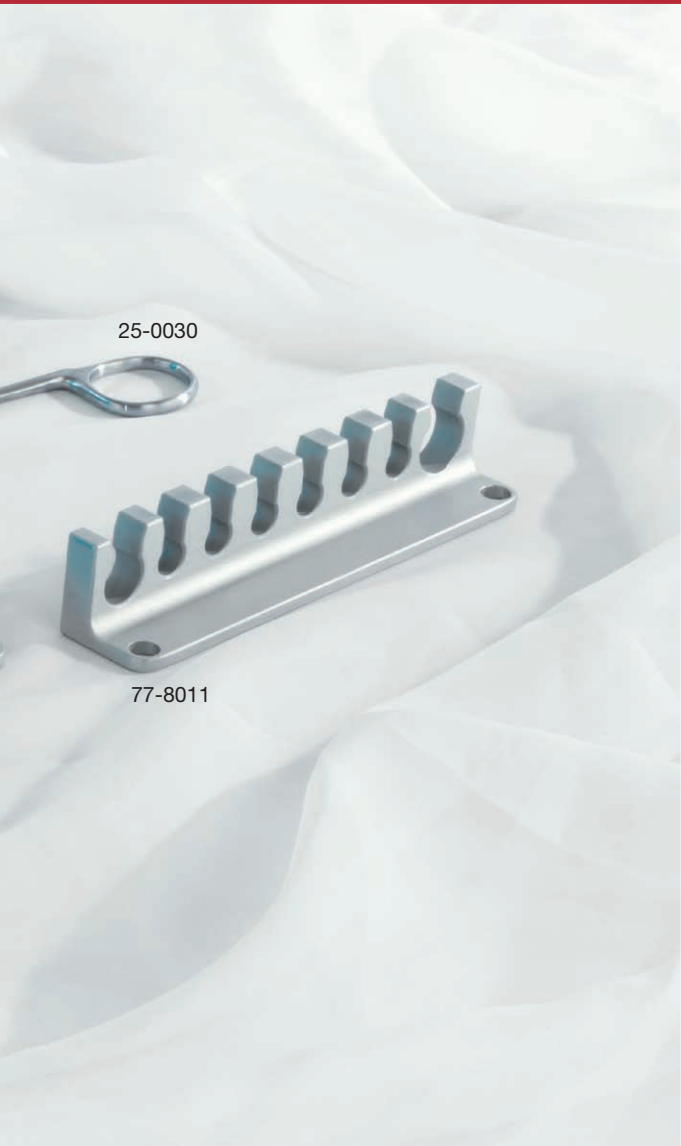
25-0037



25-0032



77-8013



Tube - Cable Tie *

Art.-No.	Description	Cable width mm	Weight g	Length mm
25-0038	Cable Tie Tool GTS, grey, black	1.8 - 4.8	278	180

Tube Holders T-Profile

Art.-No.	Description	Diameter "	Size
77-8013	HLM Tube Holding Bench T-Profile	2 x 3/8, 5 x 1/4, 1 x 3/8, 1 x 3/16	Adult

Tube Holders

Art.-No.	Description	Diameter "	Size
77-8010	HLM Tube Holding Bench	1 x 1/2, 4 x 1/4, 1 x 3/8	Adult
77-8011	HLM Tube Holding Bench	1 x 1/2, 6 x 1/4, 1 x 3/8	Adult long
77-8012	HLM Tube Holding Bench	1 x 1/2, 1 x 3/8, 2 x 1/4, 1 x 3/16, 1 x 1/4, 1 x 3/8	Adult
77-8014	HLM Tube Holding Bench	2 x 3/8, 3 x 1/4, 1 x 3/16	Adult
77-8015	HLM Tube Holding Bench	1 x 3/8, 1 x 3/16, 1 x 1/4, 1 x 3/16, 2 x 1/4	Children
77-8020	HLM Tube Holding Bench	1 x 1/4, 5 x 3/16	Infant

Tube Roller - Gunnar Hey

Art.-No.	Description	Length mm
25-0030	Tube Milking Roller	190

Tube Roller

Art.-No.	Description	Length mm
25-0032	Tube Milking Roller with teflon bobbins, Aluminium blue	160

Tube Stretcher

Art.-No.	Description	Length mm
25-0037	Tube Stretcher	130

* no medical grade - tool in hospital use

* bold = shown



Vascular Dilators

Garrett

Vascular Dilators

Art.-No.	Ø	Length	Art.-No.	Ø	Length
21-0101	0.5 mm	14 cm/5½"	21-0108	4.0 mm	14 cm/5½"
21-0121	0.5 mm	19 cm/7½"	21-0128	4.0 mm	19 cm/7½"
21-0141	0.5 mm	21 cm/8¼"	21-0148	4.0 mm	21 cm/8¼"
21-0161	0.5 mm	35 cm/14"	21-0168	4.0 mm	35 cm/14"
21-0102	1.0 mm	14 cm/5½"	21-0109	4.5 mm	14 cm/5½"
21-0122	1.0 mm	19 cm/7½"	21-0129	4.5 mm	19 cm/7½"
21-0142	1.0 mm	21 cm/8¼"	21-0149	4.5 mm	21 cm/8¼"
21-0162	1.0 mm	35 cm/14"	21-0169	4.5 mm	35 cm/14"
21-0103	1.5 mm	14 cm/5½"	21-0110	5.0 mm	14 cm/5½"
21-0123	1.5 mm	19 cm/7½"	21-0130	5.0 mm	19 cm/7½"
21-0143	1.5 mm	21 cm/8¼"	21-0150	5.0 mm	21 cm/8¼"
21-0163	1.5 mm	35 cm/14"	21-0170	5.0 mm	16 cm/6¼"
21-0104	2.0 mm	14 cm/5½"	–	–	7.0 mm
21-0124	2.0 mm	19 cm/7½"	14 cm/5½"	–	–
21-0144	2.0 mm	21 cm/8¼"	21-0131	7.0 mm	19 cm/7½"
21-0164	2.0 mm	35 cm/14"	21-0151	7.0 mm	21 cm/8¼"
21-0105	2.5 mm	14 cm/5½"	21-0171	7.0 mm	35 cm/14"
21-0125	2.5 mm	19 cm/7½"	–	–	9.0 mm
21-0145	2.5 mm	21 cm/8¼"	14 cm/5½"	–	–
21-0165	2.5 mm	35 cm/14"	21-0132	9.0 mm	19 cm/7½"
21-0106	3.0 mm	14 cm/5½"	21-0152	9.0 mm	21 cm/8¼"
21-0126	3.0 mm	19 cm/7½"	21-0172	9.0 mm	35 cm/14"
21-0146	3.0 mm	21 cm/8¼"	–	–	–
21-0166	3.0 mm	35 cm/14"	21-0100	Set	14 cm/5½"
21-0107	3.5 mm	14 cm/5½"	21-0120	Set	19 cm/7½"
21-0127	3.5 mm	19 cm/7½"	21-0140	Set	21 cm/8¼"
21-0147	3.5 mm	21 cm/8¼"	21-0160	Set	35 cm/14"
21-0167	3.5 mm	35 cm/14"	–	–	–

Also available with soft silver wires on inquiry (add ".SI" behind the Art.-No.)

Dilator Holder

21-0116

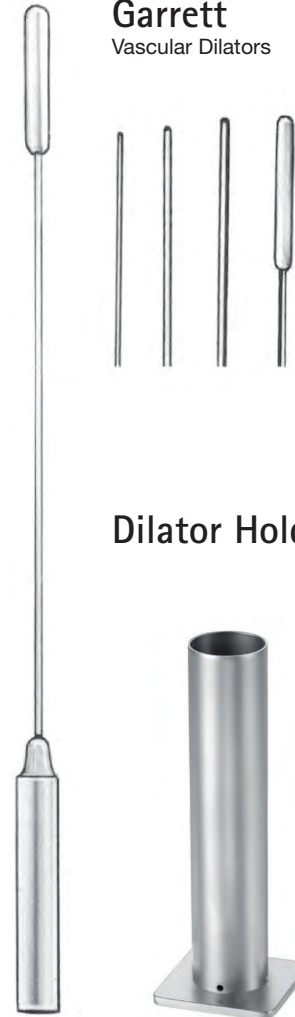
14 cm

Garrett

Vascular Dilators



Dilator Holder



Cooley-type

Vascular Dilators with color-coded aluminium handle with extra thin steel wires or nitinol wires (memory-metal)



Instrument Cassettes



for 6 dilators

21-0118 203 x 114 x 15 mm



for 12 dilators

21-0119 203 x 114 x 30 mm

Cooley-type Length	Ø	Steel wire	Silver wire	Nitinol wire (memory)	Color code
20 cm/8"	0.5 mm	21-0050	21-0050.SI	21-0080	Black
20 cm/8"	1.0 mm	21-0051	21-0051.SI	21-0081	Red
20 cm/8"	1.5 mm	21-0052	21-0052.SI	21-0082	Blue
20 cm/8"	2.0 mm	21-0053	21-0053.SI	21-0083	Yellow
20 cm/8"	2.5 mm	21-0054	21-0054.SI	21-0084	Green
20 cm/8"	3.0 mm	21-0055	21-0055.SI	21-0085	Magenta
15 cm/6"	0.5 mm	21-0060	21-0060.SI		Black
15 cm/6"	1.0 mm	21-0061	21-0061.SI		Red
15 cm/6"	1.5 mm	21-0062	21-0062.SI		Blue
15 cm/6"	2.0 mm	21-0063	21-0063.SI		Yellow
15 cm/6"	2.5 mm	21-0064	21-0064.SI		Green
15 cm/6"	3.0 mm	21-0065	21-0065.SI		Magenta
14 cm/5½"	0.5 mm			21-0070	Black
14 cm/5½"	1.0 mm			21-0071	Red
14 cm/5½"	1.5 mm			21-0072	Blue
14 cm/5½"	2.0 mm			21-0073	Yellow
14 cm/5½"	2.5 mm			21-0074	Green
14 cm/5½"	3.0 mm			21-0075	Magenta

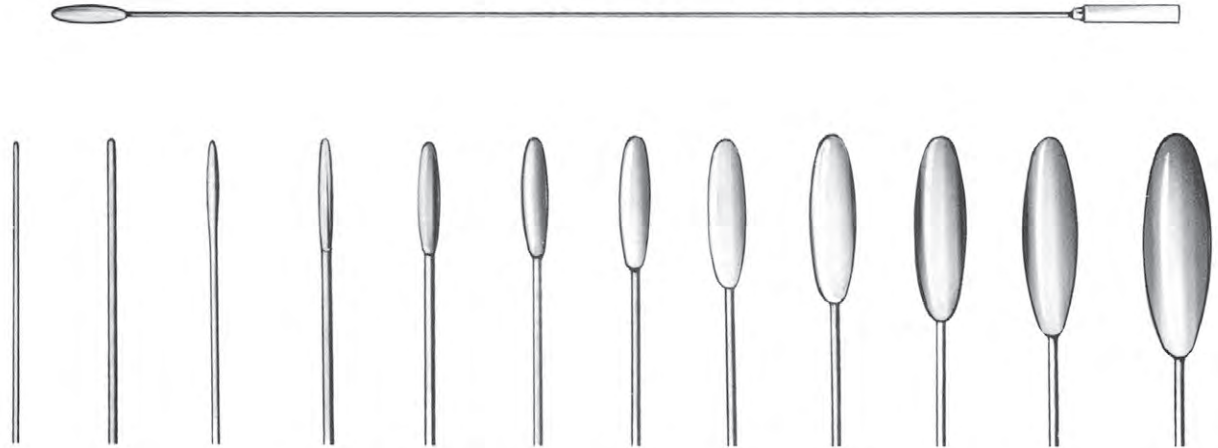


DeBakey-type

DeBakey-type

Art.-No.	Ø	Length
21-0200	1.0 mm	19 cm/7½"
21-0220	1.0 mm	38 cm/15"
21-0201	1.5 mm	19 cm/7½"
21-0221	1.5 mm	38 cm/15"
21-0202	2.0 mm	19 cm/7½"
21-0222	2.0 mm	38 cm/15"
21-0203	2.5 mm	19 cm/7½"
21-0223	2.5 mm	38 cm/15"
21-0204	3.0 mm	19 cm/7½"
21-0224	3.0 mm	38 cm/15"
21-0205	4.0 mm	19 cm/7½"
21-0225	4.0 mm	38 cm/15"
21-0206	5.0 mm	19 cm/7½"
21-0226	5.0 mm	38 cm/15"
21-0207	6.0 mm	19 cm/7½"
21-0227	6.0 mm	38 cm/15"
21-0208	7.0 mm	19 cm/7½"
21-0228	7.0 mm	38 cm/15"
21-0209	8.0 mm	19 cm/7½"
21-0229	8.0 mm	38 cm/15"
21-0210	9.0 mm	19 cm/7½"
21-0230	9.0 mm	38 cm/15"
21-0211	10.0 mm	19 cm/7½"
21-0231	10.0 mm	38 cm/15"
21-0215	Set of 12	19 cm/7½"
21-0235	Set of 12	38 cm/15"

Also available with soft silver wires on inquiry (add ".SI" behind the Art.-No.)



Hegar

Dilators (double-ended)



Hegar

Dilators (single-ended)



Hegar

Dilators and Sizers (double-ended)

Art.-No.	Ø	Length
21-8230	1.0/2.0 mm	20 cm/8"
21-8231	3.0/4.0 mm	20 cm/8"
21-8232	5.0/6.0 mm	20 cm/8"
21-8233	7.0/8.0 mm	20 cm/8"
21-8234	9.0/10.0 mm	20 cm/8"
21-8235	11.0/12.0 mm	20 cm/8"
21-8236	13.0/14.0 mm	20 cm/8"
21-8237	15.0/16.0 mm	20 cm/8"
21-8238	17.0/18.0 mm	20 cm/8"
21-8239	19.0/20.0 mm	20 cm/8"
21-8240	21.0/22.0 mm	20 cm/8"
21-8241	23.0/24.0 mm	20 cm/8"
21-8242	25.0/26.0 mm	20 cm/8"
21-8243	27.0/28.0mm	20cm/8"
21-8244	29.0/30.0mm	20cm/8"
21-8244.32	31.0/32.0mm	20cm/8"
21-8246	33.0/34.0mm	20cm/8"
21-8247	35.0/36.0mm	20cm/8"

Set of 8

21-8245	3.0/4.0 – 17.0/18.0 mm	20 cm/8"
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Hegar

Dilators (single-ended)

Art.-No.	Ø	Length
21-8201	1.0 mm	18.5 cm/7 ¼"
21-8202	2.0 mm	18.5 cm/7 ¼"
21-8203	3.0 mm	18.5 cm/7 ¼"
21-8204	4.0 mm	18.5 cm/7 ¼"
21-8205	5.0 mm	18.5 cm/7 ¼"
21-8206	6.0 mm	18.5 cm/7 ¼"
21-8207	7.0 mm	18.5 cm/7 ¼"

Hegar

Dilators and Sizers (single-ended)

Art.-No.	Ø	Length
21-8208	8.0 mm	18.5 cm/7 ¼"
21-8209	9.0 mm	18.5 cm/7 ¼"
21-8210	10.0 mm	18.5 cm/7 ¼"
21-8211	11.0 mm	18.5 cm/7 ¼"
21-8212	12.0 mm	18.5 cm/7 ¼"
21-8213	13.0 mm	18.5 cm/7 ¼"
21-8214	14.0 mm	18.5 cm/7 ¼"
21-8215	15.0 mm	18.5 cm/7 ¼"
21-8216	16.0 mm	18.5 cm/7 ¼"
21-8217	17.0 mm	18.5 cm/7 ¼"
21-8218	18.0 mm	18.5 cm/7 ¼"
21-8219	19.0 mm	18.5 cm/7 ¼"
21-8220	20.0 mm	18.5 cm/7 ¼"
21-8221	21.0 mm	18.5 cm/7 ¼"
21-8222	22.0 mm	18.5 cm/7 ¼"
21-8223	23.0 mm	18.5 cm/7 ¼"
21-8224	24.0 mm	18.5 cm/7 ¼"
21-8225	25.0 mm	18.5 cm/7 ¼"
21-8226	26.0 mm	18.5 cm/7 ¼"
21-8226.27	27.0mm	18.5cm/7 1/4"
21-8227	28.0mm	18.5cm/7 1/4"
21-8228	29.0mm	18.5cm/7 1/4"
21-8229	30.0mm	18.5cm/7 1/4"
21-8200.31	31.0mm	18.5cm/7 1/4"
21-8200.32	32.0mm	18.5cm/7 1/4"
21-8200.33	33.0mm	18.5cm/7 1/4"
21-8200.34	34.0mm	18.5cm/7 1/4"
21-8200.35	35.0mm	18.5cm/7 1/4"
21-8200.36	36.0mm	18.5cm/7 1/4"
21-8200.37	37.0mm	18.5cm/7 1/4"
21-8200.38	38.0mm	18.5cm/7 1/4"
21-8200.39	39.0mm	18.5cm/7 1/4"
21-8200.40	40.0mm	18.5cm/7 1/4"



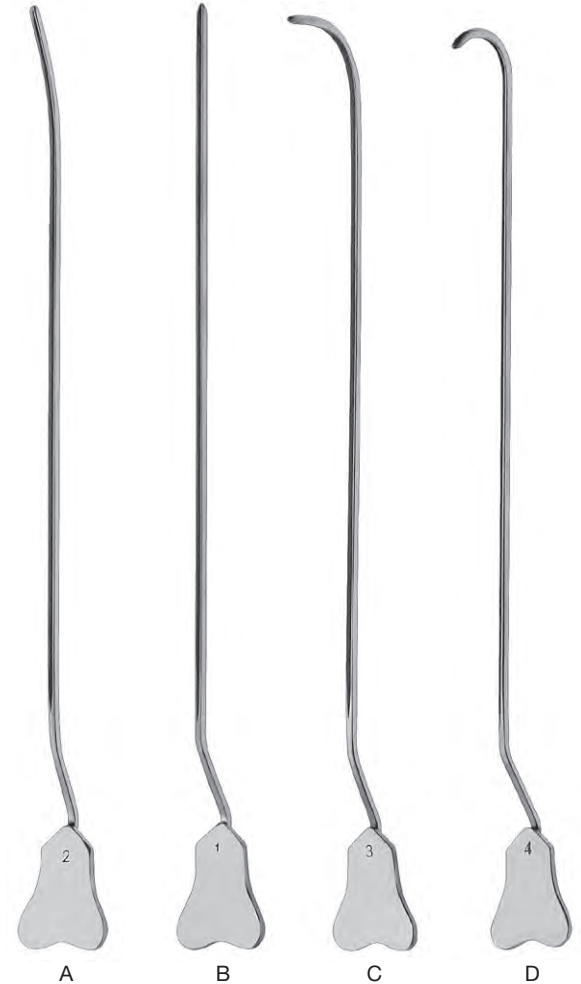
Standard



Redon Needle



Lockhart-Mummery



Standard

Art.-No.	Ø	Length
21-7203	1.0 mm	16 cm/6¼"
21-7204	1.0 mm	18 cm/7"
21-7205	1.0 mm	20 cm/8"
21-7206	1.0 mm	25 cm/10"
21-7207	1.0 mm	30 cm/12"
21-7220	2.0 mm	11.5 cm/4½"
21-7221	2.0 mm	13 cm/5"
21-7222	2.0 mm	14.5 cm/5¾"
21-7223	2.0 mm	16 cm/6¼"
21-7224	2.0 mm	18 cm/7"
21-7225	2.0 mm	20 cm/8"
21-7226	2.0 mm	25 cm/10"
21-7227	2.0 mm	30 cm/12"

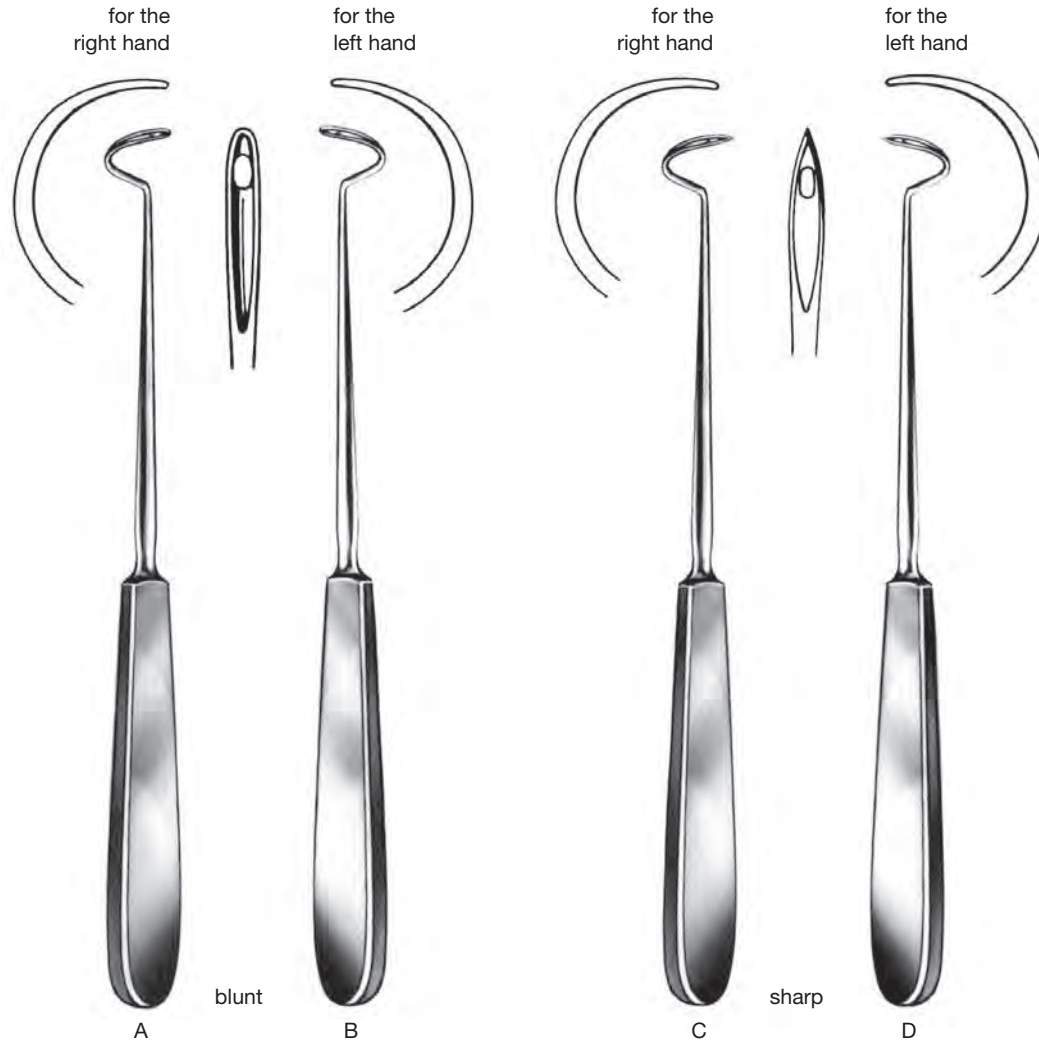
Redon Needle

Art.-No.	Ch.
18-9800.08	8
18-9800.10	10
18-9800.12	12
18-9800.14	14
18-9800.16	16
18-9800.18	18

Lockhart-Mummery

Art.-No.	Fig.	Length
21-7301	A	17 cm/6½"
21-7302	B	17 cm/6½"
21-7303	C	17 cm/6½"
21-7304	D	17 cm/6½"

Deschamps



Deschamps			
blunt			
Art.-No.	Fig.	Size	Length
24-9010	A	S	21 cm/8¼"
24-9020	A	M	21 cm/8¼"
24-9030	A	L	21 cm/8¼"
24-9015	B	S	21 cm/8¼"
24-9025	B	M	21 cm/8¼"
24-9035	B	L	21 cm/8¼"
sharp			
24-9011	C	S	21 cm/8¼"
24-9021	C	M	21 cm/8¼"
24-9031	C	L	21 cm/8¼"
24-9016	D	S	21 cm/8¼"
24-9026	D	M	21 cm/8¼"
24-9036	D	L	21 cm/8¼"



Suture Catchers



without catch

with catch

Eyed stilette

Suture Catchers

Art.-No.	Ø	Length
21-1219	1.2 mm	26 cm/10¼"
21-1220	1.5 mm	26 cm/10¼"
21-1221	2.0 mm	26 cm/10¼"
21-1222	2.5 mm	26 cm/10¼"
21-1223	3.0 mm	26 cm/10¼"

Also available in 15 cm /6" and 18 cm /7"

Rumel-Belmont without catch

Art.-No.	Ø	Length
21-1200.OR	4.0 mm	27.5 cm /10¾"
21-1205.OR	6.5 mm	31.0 cm /12¼"

Rumel-Belmont with catch

Art.-No.	Ø	Length
21-1200	4.0 mm	27.5 cm /10¾"
21-1205	6.5 mm	31.0 cm /12¼"

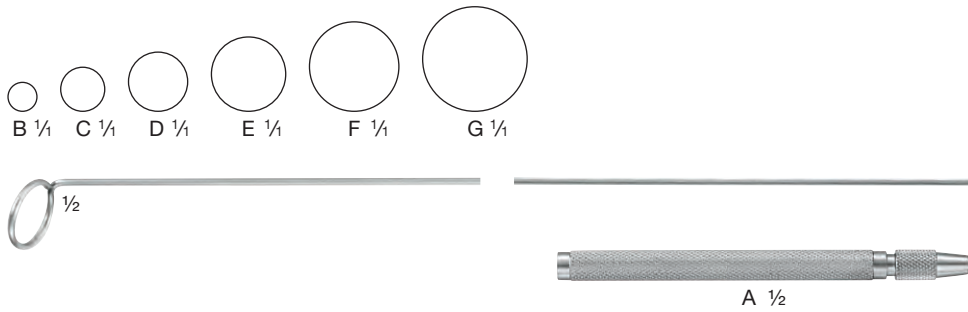
Eyed stilette

Art.-No.	width	Length
21-1203	2.2 mm	22.5 cm/8¾"
21-1208	3.2 mm	23.5 cm/9¼"

stilette also recommended
to catch sutures

Rumel-Belmont

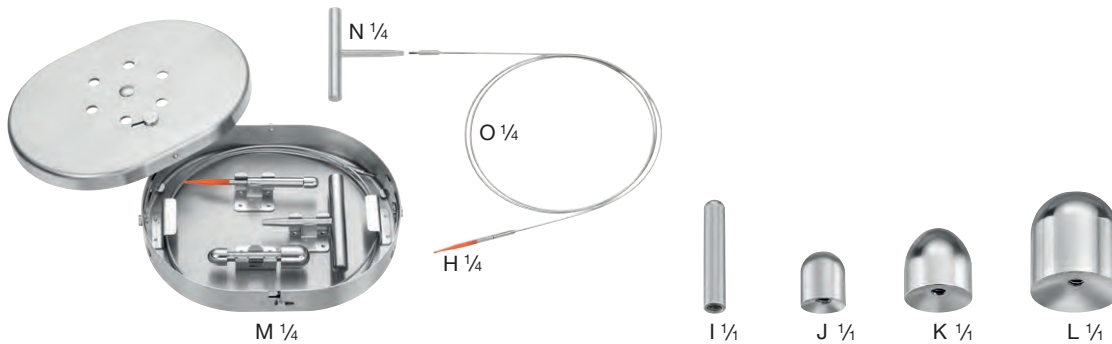




Recovery Probes

Set complete

Fig.	Art.-No.	consisting of qty.	description
A	03-5900	1	Handle, 110 mm / 4 1/4"
B	03-5904	1	Ø 4 mm, 550 mm / 21 3/4"
C	03-5905	1	Ø 6 mm, 550 mm / 21 3/4"
D	03-5906	1	Ø 8 mm, 550 mm / 21 3/4"
E	03-5907	1	Ø 10 mm, 550 mm / 21 3/4"
F	03-5908	1	Ø 12 mm, 550 mm / 21 3/4"
G	03-5909	1	Ø 14 mm, 550 mm / 21 3/4"



Nabatoff Recovery Probes

Set complete

Fig.	Art.-No.	consisting of qty.	description
H	21-1250.02	1	Plastic probe tip
I	21-1250.03	1	3 mm metal probe tip
J	21-1250.06	1	6 mm olive
K	21-1250.09	1	9 mm olive
L	21-1250.12	1	12 mm olive
M	21-1250.BX	1	Box 135 x 100 x 25 mm
N	21-1250.GR	1	Handle
O	21-1250.ZS	1	Wire pull 90 cm

Additional

Art.-No.	description
21-1250.ZV	Adaptor to extend Wire pulls
21-1250.02SS	Stainless steel probe tip



Memory Vascular Sizers

With the dual-ended Memory Vascular Sizer the diameter can be determined precisely. The shaft of the instrument is made of Nitinol with thermal shape memory effect. Soft pressure allows the surgeon to shape the sizer to fit the patients geometry. The hollow ends allow a perfect view. After heat sterilisation the sizer returns to its original straight shape.



03-5475 Memory Vascular Sizers, complete Set of all 8 sizes

consisting of:

03-5477	18/20 mm	25 cm
03-5478	19/21 mm	25 cm
03-5479	22/24 mm	25 cm
03-5480	23/25 mm	25 cm
03-5481	26/28 mm	25 cm
03-5482	27/29 mm	25 cm
03-5483	30/32 mm	25 cm
03-5484	31/33 mm	25 cm

21-8250 Amato Pediatric Dilators, complete Set of all 10 sizes

consisting of:

21-8250.01	6 mm	16.5 cm
21-8250.02	7 mm	16.5 cm
21-8250.03	8 mm	16.5 cm
21-8250.04	9 mm	16.5 cm
21-8250.05	10 mm	16.5 cm
21-8250.06	12 mm	16.5 cm
21-8250.07	14 mm	16.5 cm
21-8250.08	16 mm	16.5 cm
21-8250.09	18 mm	16.5 cm
21-8250.10	20 mm	16.5 cm

Amato Pediatric Dilators

to locate orifices, trace the course of abnormal vessels, and perform various maneuvers of dilation and measurement of diameters.



Ruler



Shannon „Tee“

Tourniquet Fixation Device



Kamar

Annulus Dilator and Sizer



Lumen Inspection Mirror



Vascular Compressor



Ruler		
Art.-No.		Length
05-0500		30 cm
05-0501		20 cm
05-0502		15 cm
05-0503		10 cm

Shannon „Tee“ Tourniquet Fixation Device		
Art.-No.		
21-1300		Shannon "Tee"
21-1310		Pusher for Shannon "Tee"

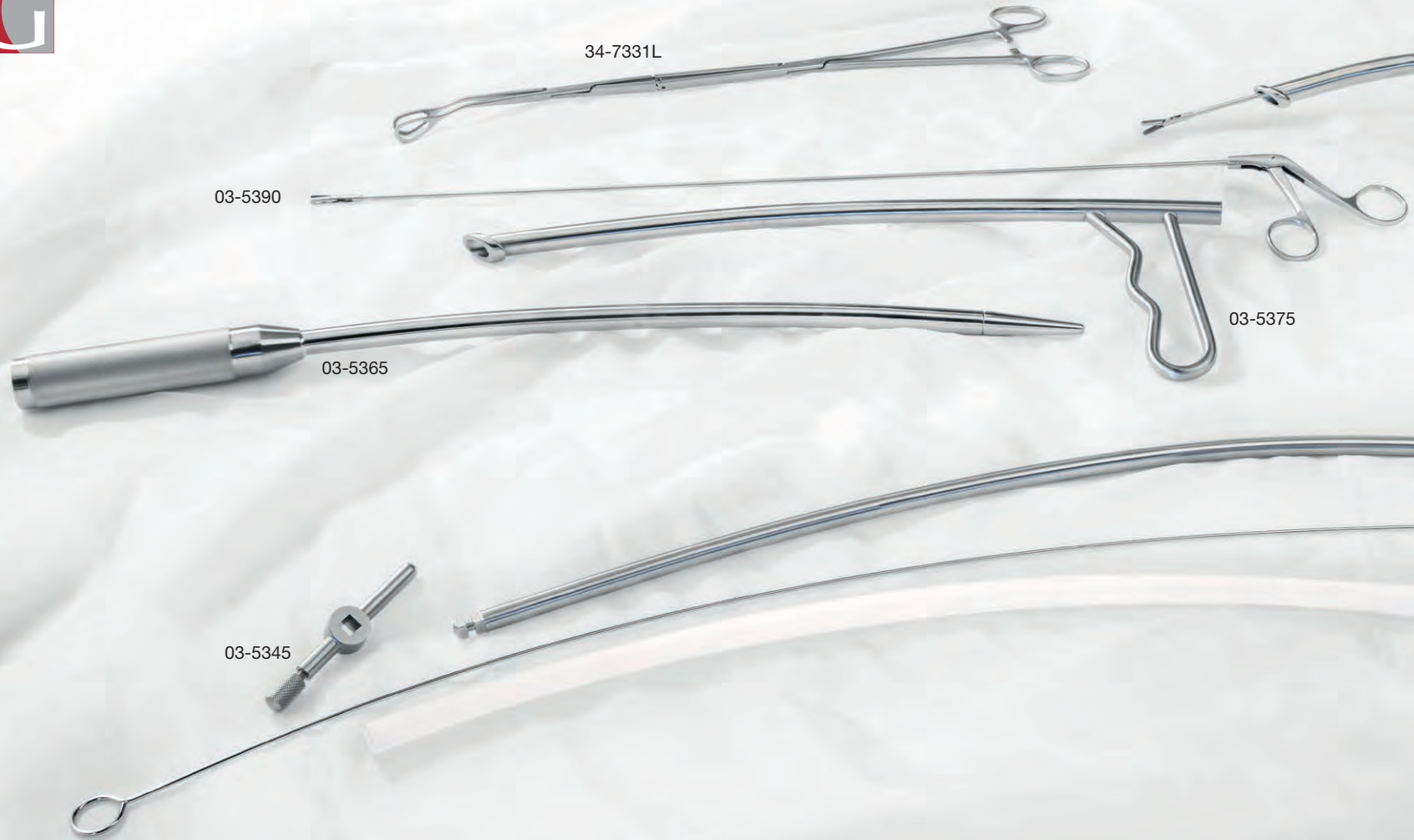
Kamar Annulus Dilator and Sizer		
Art.-No.	Ø	Length
03-5400	17/18 mm	12.5 cm/5"
03-5401	19/20 mm	12.5 cm/5"
03-5402	21/22 mm	12.5 cm/5"
03-5403	23/24 mm	12.5 cm/5"
03-5404	25/26 mm	12.5 cm/5"
03-5405	27/28 mm	12.5 cm/5"

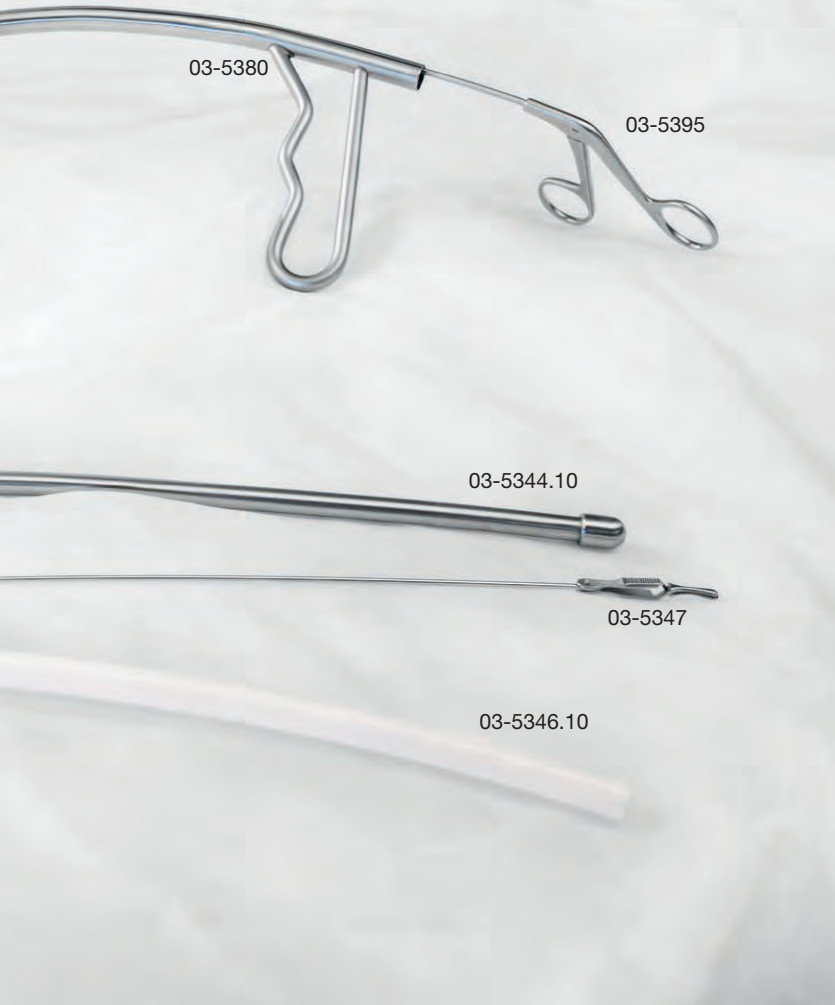
Lumen Inspection Mirror		
Art.-No.	Ø	Length
03-5690	20 mm	23 cm/9"
03-5690.14	14 mm	23 cm/9"
03-5690.18	18 mm	23 cm/9"

Vascular Compressor	
Art.-No.	Length
03-6560	35 cm/14"



Tunneling Instruments





03-5380

03-5395

03-5344.10

03-5347

03-5346.10

**Tunneling Tubes
slightly curved**

03-5370	28 cm/11"	Ø 12 mm
03-5375	38 cm/15¼"	Ø 12 mm
03-5377	68 cm/26¼"	Ø 12 mm

strongly curved

03-5380	28 cm/11"	Ø 12 mm
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**Tunneling Forceps
straight**

03-5385	38 cm/15¼"
03-5390	48 cm/ 19¼"
03-5392	78 cm/30¾"

slightly curved

03-5395	38 cm/15¼"
---------	------------

Bullet-Tunneler

Removeable bullet tip provides for maximum tissue protection while tunneling.

**Bullet-Tunneler
slightly curved**

03-5360	30 cm/12"	Ø 12 mm
03-5365	40 cm/16"	Ø 12 mm
03-5366	50 cm/20"	Ø 12 mm
03-5367	70 cm/2½"	Ø 12 mm

03-5360.KA **Spare tip bullet**

**Tunneling Forceps
straight**

03-5385	38 cm/15¼"
03-5390	48 cm/ 19¼"
03-5391	58 cm/22⅞"
03-5392	78 cm/30¾"

Tunneler, Rod

03-5344.08	8 mm, 60 cm
03-5344.10	10 mm, 60 cm
03-5344.12	12 mm, 60 cm

Tunneler, Sleeve, PTFE (Teflon)

03-5346.08	8/10 mm, 60 cm
03-5346.10	10/12 mm, 60 cm
03-5346.12	12/14 mm, 60 cm

Tunneler, Handle

03-5345

Tunneler, Forceps

03-5347 **72 cm**

03-5354 **Tunneler Set, complete Consisting of each piece: 08/10 mm**
03-5344.08, 03-5345, 03-5346.08, 03-5347

03-5355 **Tunneler Set, complete Consisting of each piece: 10/12 mm**
03-5344.10, 03-5345, 03-5346.10, 03-5347

03-5356 **Tunneling Set, complete Consisting of each piece: 12/14 mm**
03-5344.12, 03-5345, 03-5346.12, 03-5347

34-7331L **ThoraGate™ Hallmann Tunneling Forceps**
curved, with ratchet, 36 cm / 14¼"



Scalpel Handles





Scalpel Handles

for Blades 16-2018 until 16-2036

Art.-No.	length mm / "	description
16-0004	135 / 5 1/4	Fig. 4
16-0014	210 / 8 1/4	Fig. 4L, long

Scalpel Handles

for Blades 16-2009.E until 16-2017.E

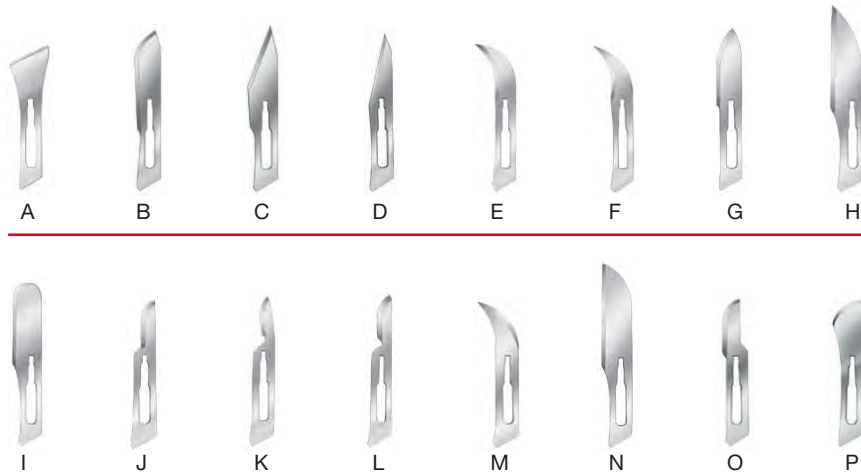
Art.-No.	length mm / "	description
16-0003	125 / 5	Fig. 3
16-0013	125 / 5	Fig. 3, with scale
16-0023	210 / 8 1/4	Fig. 3L, long,
16-0023.GB	200 / 8	Fig. 3L, long, angled up
16-0007	160 / 6 1/4	Fig. 7L, long
16-0017	120 / 4 3/4	Fig. 7K, short
16-0100	150 / 6	round handle, Fig. 3
16-0102	145 / 5 3/4	round handle, Fig. 3, angled up
16-0190	135 / 5 1/4	Barron, Fig. 3
41-6019	210 / 8 1/4	Landolt, Fig. 3



Scalpel Blades, sterile, pack of 100 Pieces

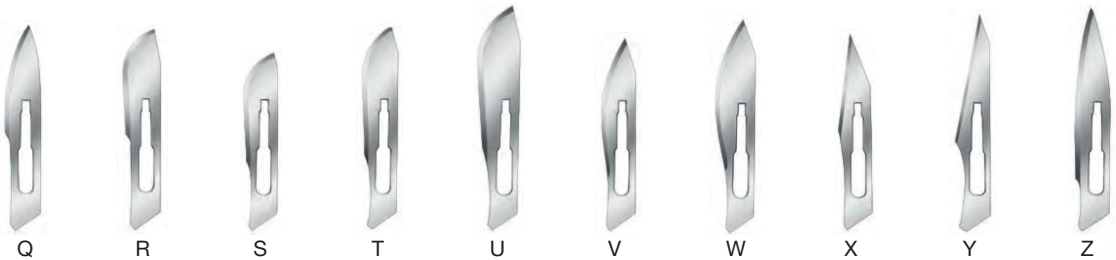
for handle Fig. 3

Fig.	Art.-No.	description
A	16-2009.E	# 9E
B	16-2010	# 10
C	16-2010.A	# 10A
D	16-2011	# 11
E	16-2012	# 12
F	16-2012.D	# 12D
G	16-2013	# 13
H	16-2014	# 14
I	16-2014.E	# 14E
J	16-2015	# 15
K	16-2015.C	# 15C
L	16-2015.E	# 15E
M	16-2016	# 16
N	16-2016.E	# 16E
O	16-2017	# 17
P	16-2017.E	# 17E



for handle Fig. 4

Fig.	Art.-No.	description
Q	16-2018	# 18
R	16-2019	# 19
S	16-2020	# 20
T	16-2021	# 21
U	16-2022	# 22
V	16-2023	# 23
W	16-2024	# 24
X	16-2025	# 25
Y	16-2034	# 34
Z	16-2036	# 36



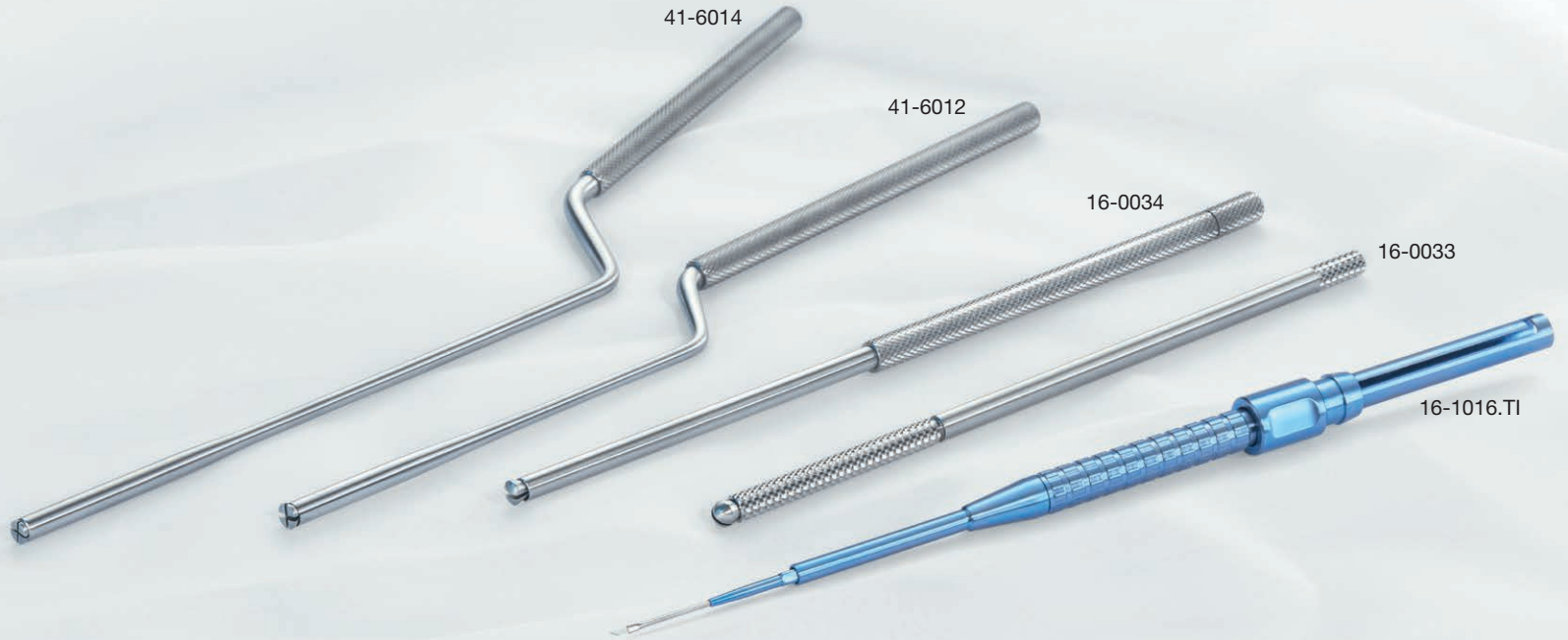
Microsurgical Knife



- | | |
|-----------------|--|
| Art.-No. | |
| 16-2070 | 15° Microsurgical Knife, blade/tip pack of 6 pieces, sterile |
| 16-2075 | Crescent Microsurgical Knife, straight 2 mm, blade/tip pack of 6 pieces, sterile |
| 16-0032 | Fairgrip™ultra Handle for disposable knives, 18 cm, Aluminium |
| 16-0031 | Handle for disposable knives, 18 cm Aluminium |
| 16-0030 | Handle for disposable knives, 18 cm Stainless Steel |
| 16-0030.DF* | PANDOR™ Handle for disposable knives, 18 cm, stainless steel |
| 16-5050 | Handle for disposable knives, 9.5 cm |

* In the attractive PANDOR™ Black & Gold Edition (extra charge applies)





Diamond Knife

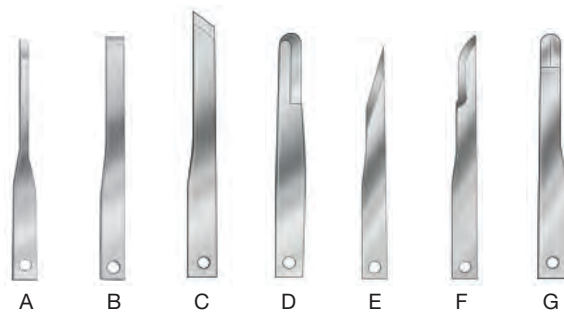
Titanium handle

Art.-No.	length mm / "	description
16-1016.TI	205 / 8	30° single cutting

Scalpel Handles

for Micro surgical blades

Art.-No.	length mm / "	description
16-0033	155 / 6	
16-0033.10	100 / 4	
16-0034	180 / 7	
41-6012	210 / 8 1/4	Landolt
41-6014	250 / 10	Landolt



Micro Blades

sterile, pack of 10 pieces

Fig.	Art.-No.	description
A	16-2061	# 61
B	16-2062	# 62
C	16-2062.S	# 62S
D	16-2064	# 64
E	16-2065	# 65
F	16-2067	# 67
G	16-2069	# 69

* bold = shown

**Instrument Tray**

Art.-No.	Height	Length	Width
77-9255	1.0 cm	45 cm/18"	33 cm/13"

Kidney Dish

Art.-No.	Height	Length	Capacity
77-8998	3.7 cm	17 cm/6½"	0.25
77-9000	3.9 cm	25 cm/10"	0.5
77-9002	4.5 cm	27.5 cm/10½"	0.75

Forceps Holder

Art.-No.	Ø	Height
77-9020	3 cm	9 cm/3½"
77-9021	5 cm	10 cm/4"
77-9022	5 cm	13 cm/5"
77-9023	5 cm	18 cm/7"
77-9024	8.2 cm	13 cm/5"
77-9025	8.2 cm	18 cm/7"
77-9026	9.5 cm	20 cm/8"

Laboratory Bowl

Art.-No.	Ø	Height	Capacity
77-9115	14 cm/5½"	5.5 cm/2"	0.5
77-9117	15 cm/6"	7.5 cm/2½"	0.75
77-9118	16 cm/6¼"	7.5 cm/2½"	1.0
77-9119	22 cm/8½"	7 cm/2½"	2.0
77-9120	24 cm/9½"	9.5 cm/3½"	3.0
77-9121	26 cm/10¼"	12 cm/4½"	4.5
77-9122	30 cm/12"	11.5 cm/4¼"	6.0
77-9123	32 cm/12½"	14 cm/5½"	8.0
77-9124	38 cm/15¼"	13 cm/5"	11.0
77-9125	40 cm/16"	15.5 cm/6"	14.0

Instrument Tray



Forceps Holder



Kidney Dish



Laboratory Bowl



Graduated Medicine Cup



Graduated Jug



Graduated Medicine Cup



Graduated Jug



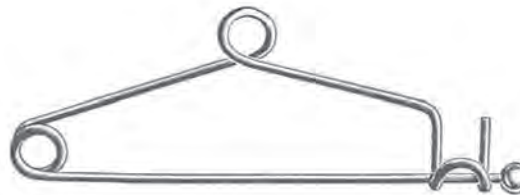
Solution Bowl



Laboratory Bowl



Mayo Safety Pin



Graduated Medicine Cup

Art.-No.	Ø	Height	Capacity
77-9105	5 cm/2"	2.5 cm	0.03

Graduated Medicine Cup

Art.-No.	Ø	Height	Capacity
77-9106	5.3 cm/2"	4.5 cm/1¾"	0.05

Solution Bowl

Art.-No.	Ø	Height	Capacity
77-9090	5 cm/2"	4.5 cm/1¾"	0.05
77-9094	6 cm/2¼"	5.2 cm/2"	0.075

Laboratory Bowl

Art.-No.	Ø	Height	Capacity
77-9095	8 cm/3"	3.5 cm/1¼"	0.1
77-9096	9 cm/3½"	5.5 cm/2"	0.2
77-9097	10 cm/4"	6.5 cm/2¼"	0.3
77-9098	12 cm/4½"	7 cm/2½"	0.4

Graduated Jug

Art.-No.	Height	Capacity
77-9147	5 cm/2"	0.1
77-9148	7 cm/2½"	0.25

Graduated Jug

Art.-No.	Height	Capacity
77-9149	13 cm/5"	0.5
77-9150	15 cm/6"	1.0
77-9151	16 cm/6¼"	1.5
77-9152	17 cm/6½"	2.0

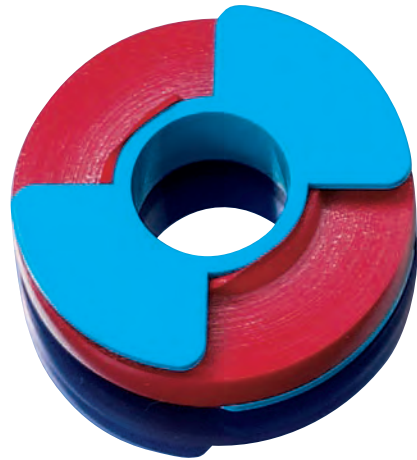
Mayo Safety Pin

Art.-No.	Length
77-9995	14 cm/5½"



Instrument Marking Tape

helps organizing and identifying instruments as they move between sterile processing and the OR.



Instrument Marking Tape

00-4001	white non-sterile 7.6m roll
00-4002	blue non-sterile 7.6m roll
00-4003	green non-sterile 7.6m roll
00-4004	red non-sterile 7.6m roll
00-4005	yellow non-sterile 7.6m roll
00-4006	violett non-sterile 7.6m roll
00-4007	orange non-sterile 7.6m roll
00-4008	brown non-sterile 7.6m roll
00-4009	black non-sterile 7.6m roll



Electrosurgical Units



**Wound and Nerve Hooks | Dissectors
Raspatories | Retractors | Hand Retractors
Bone Currettes | Lung Spatulas**



Crile

Crile

Cushing

Adson

Adson

Crile

Art.-No. 30-0299 **Length** 14.5 cm/5½" 7 mm

Crile

Art.-No. 30-0300 **Length** 20 cm/8" 7 mm

Cushing

Art.-No. 30-0304 **Length** 19 cm/7½" 5 mm
 30-0305 19 cm/7½" 7 mm
 30-0306 28 cm/11" 5 mm
 30-0307 28 cm/11" 7 mm

Adson sharp

Art.-No. 30-0315 **Length** 20 cm/8"

Adson blunt

Art.-No. 30-0316 **Length** 20 cm/8"



Smithwick



Hoen



Blalock

Nerve, Vascular and
Suture Hook



Dandy



Sachs

**Smithwick**

Art.-No.	Length
30-0310	17 cm/6½"
30-0311	21 cm/8¼"

Hoen

Art.-No.	Length
30-0275	22 cm/8½"

Blalock

Nerve, Vascular and Suture Hook

Art.-No.	Length
30-0301	24 cm/9½"

Dandy

Art.-No.	Length
30-0281	22 cm/8¾"

Sachs

Art.-No.	Length
30-0312	21 cm/8¼"



Moberg



Moberg



Zenker



Premie



Premie

**Moberg**

Art.-No.	Length	
30-0133	17.5 cm/6½"	12 x 5 mm

Moberg

Art.-No.	Length	
30-0138	17.5 cm/6½"	8 x 12 mm

Zenker

Art.-No.	Length	
30-0153	18.5 cm/7"	3 x 10 mm

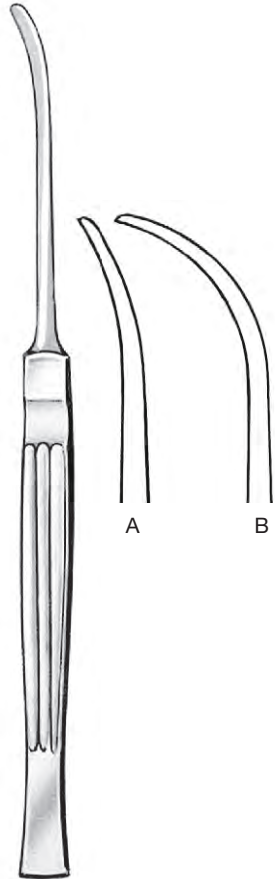
Premie

Art.-No.	Length	★
41-1053	18 cm/7"	90° 5 mm

**Premie
with ball**

Art.-No.	Length	★
41-1015	19 cm/7½"	90° 2 mm

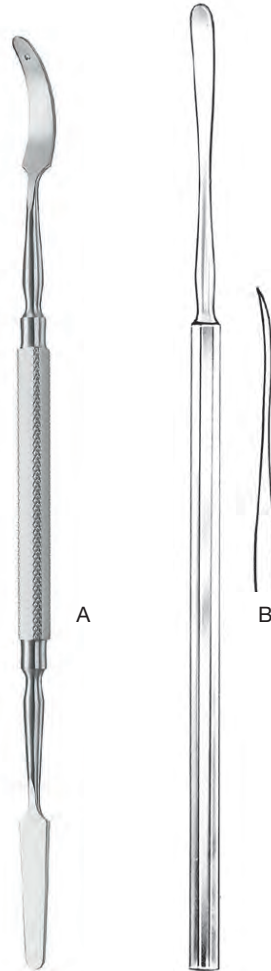
Lemmon



Watson-Cheyne



Mc Donald



Robb

**Lemmon
Intima Dissectors**

Art.-No.	Fig.	Length
28-0050	A	17 cm/6½"
28-0055	B	17 cm/6½"

Watson-Cheyne

Art.-No.	Length
28-0030	18 cm/7"

Mc Donald

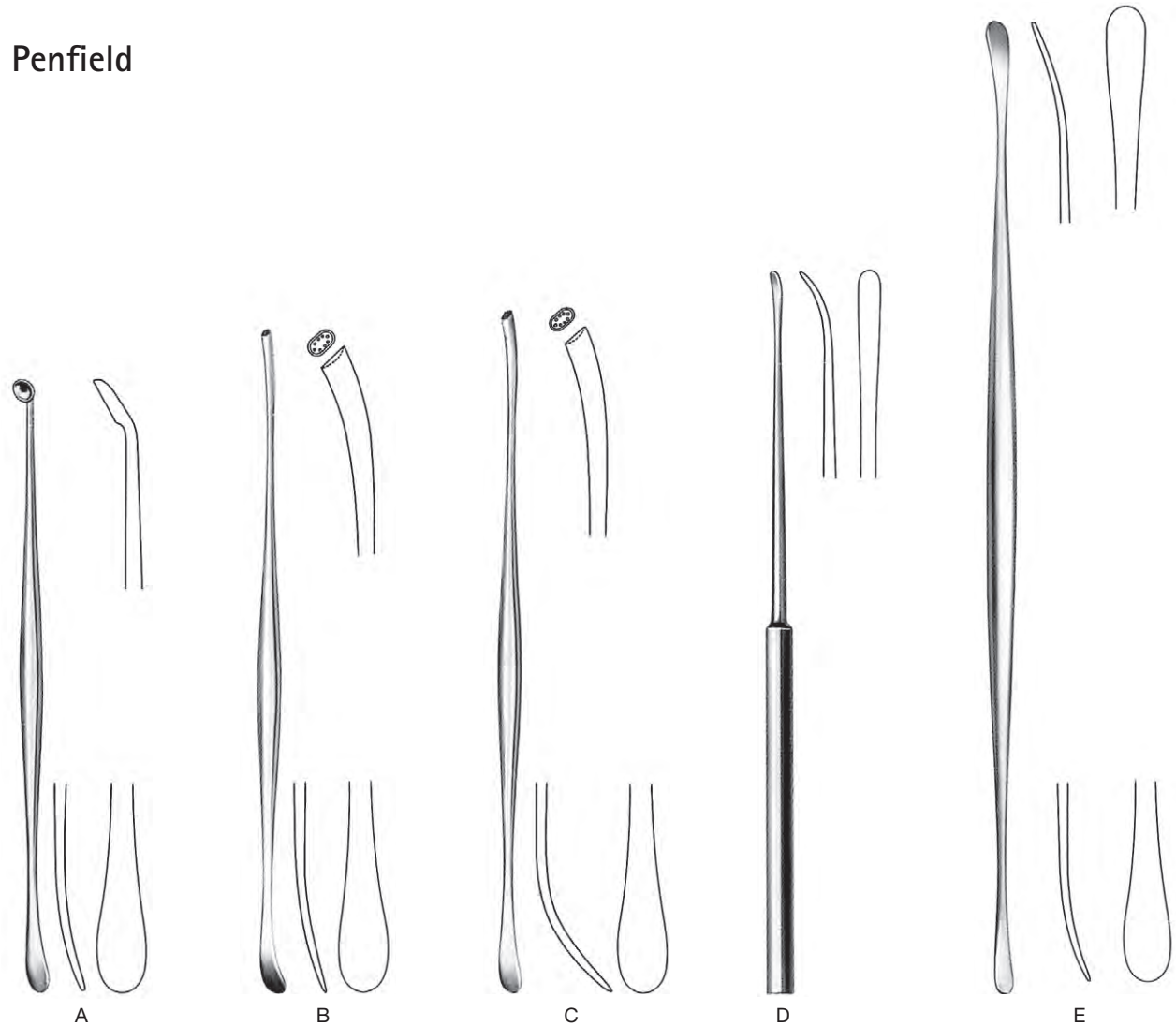
Art.-No.	Fig.	Length
28-0020	A	18 cm/7"
blunt		
28-0060	B	19 cm/7½"
28-0062	B	15 cm/6"

Robb

Art.-No.		Length
28-0031.02	2.0/1.0 mm	20.5 cm/8"
28-0031.03	3.0/1.5 mm	20.5 cm/8"
28-0031.04	4.0/2.0 mm	20.5 cm/8"
28-0031.05	5.0/2.5 mm	20.5 cm/8"



Penfield

**Penfield**

Art.-No.	Fig.	Length
28-0041	A	17.5 cm/6½"
28-0042	B	19.5 cm/7½"
28-0043	C	19.5 cm/7½"
28-0044	D	20.5 cm/8"
28-0045	E	29 cm/11½"

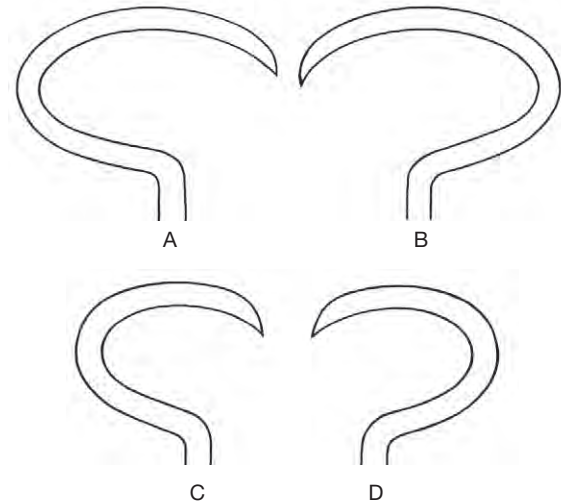
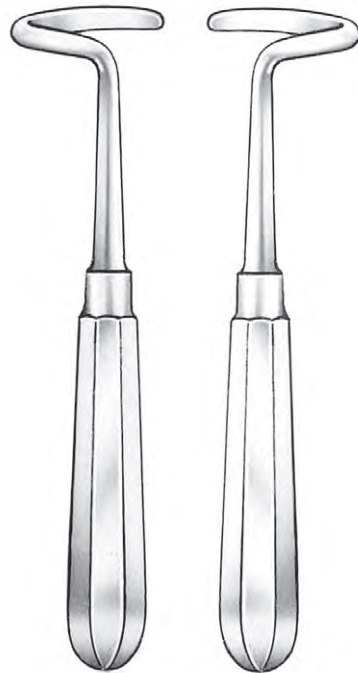
Freer



Freer Art.-No.	Fig.	Length
28-0071	F	20 cm/8"
28-0072	G	20 cm/8"



Doyen



Doyen Art.-No. for adults	Fig.	Length
40-8230	B	17 cm/6½"
40-8240	A	17 cm/6½"
for children		
40-8235	D	17 cm/6½"
40-8245	C	17 cm/6½"

Semb



Semb

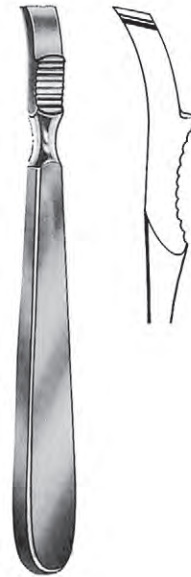
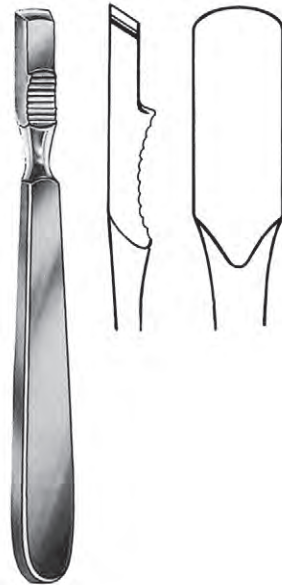
Art.-No.	Fig.	Length	
40-8202	A	22 cm/8½"	15 mm
40-8203	B	22 cm/8½"	15 mm
40-8204	C	22 cm/8½"	13 mm
40-8205	D	17.5 cm/7"	13 mm
40-8206	E	23 cm/9"	12 mm
40-8207	F	19.5 cm/7½"	12 mm
40-8208	G	21.5 cm/8¼"	13 mm



Farabeuf

Farabeuf

Lambotte

**Farabeuf**

Art.-No.	Length	
40-8300	15 cm/6"	12.5 mm

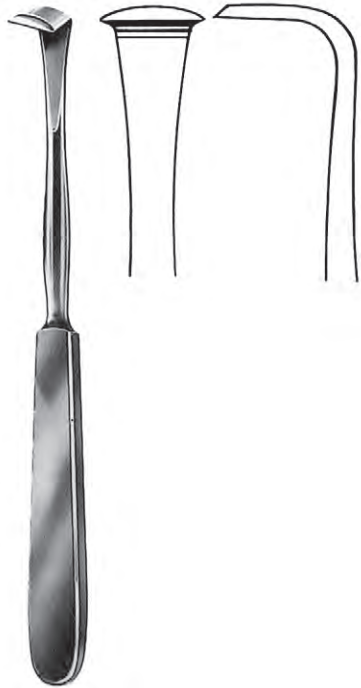
Farabeuf

Art.-No.	Length	
40-8305	15 cm/6"	12.5 mm

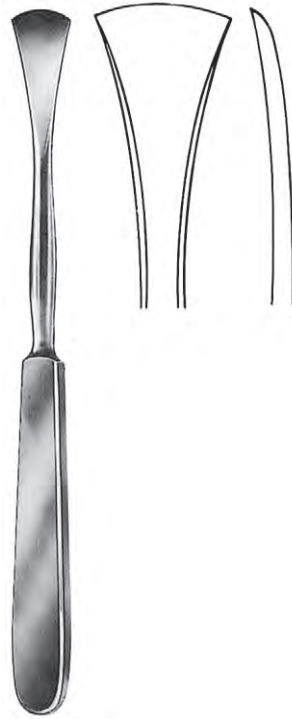
Lambotte

Art.-No.	
40-8345	5 mm
40-8350	10 mm
40-8355	15 mm
40-8360	20 mm
40-8365	25 mm

Langenbeck



Langenbeck

**Langenbeck**

Art.-No.	Length	
40-8380	18 cm/7"	14 mm

Langenbeck

Art.-No.	Length	
40-8382	19 cm/7½"	16 mm



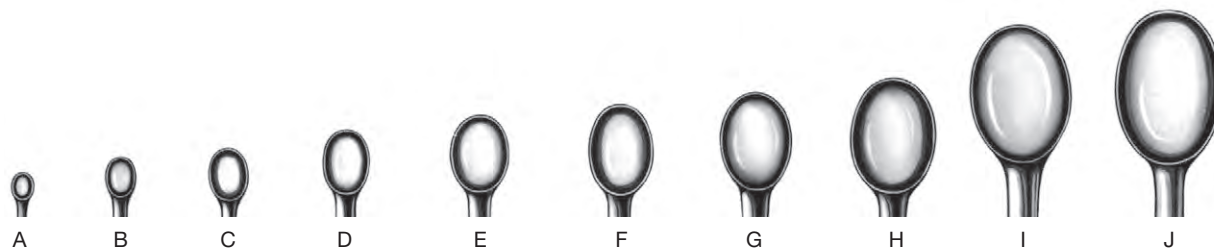
Schede



Schede

Art.-No.	Fig.	Length
40-7410	A	17 cm/6½"
40-7412	B	17 cm/6½"
40-7414	C	17 cm/6½"
40-7416	D	17 cm/6½"
40-7418	E	17 cm/6½"
40-7420	F	17 cm/6½"
40-7422	G	17 cm/6½"

Volkmann



Volkmann

Art.-No.	Fig.	Length
40-4432	A	17 cm/6½"
40-4434	B	17 cm/6½"
40-4436	C	17 cm/6½"
40-4438	D	17 cm/6½"
40-4440	E	17 cm/6½"
40-4442	F	17 cm/6½"
40-4444	G	17 cm/6½"
40-4446	H	17 cm/6½"
40-4448	I	17 cm/6½"
40-4450	J	17 cm/6½"

Bruns



A

B

C

D

E

F

G

H

I

J

Penfield Art.-No.	Fig.	Length
40-4462	A	17 cm/6½"
40-4464	B	17 cm/6½"
40-4466	C	17 cm/6½"
40-4468	D	17 cm/6½"
40-4470	E	17 cm/6½"
40-4472	F	17 cm/6½"
40-4474	G	17 cm/6½"
40-4476	H	17 cm/6½"
40-4478	I	17 cm/6½"
40-4480	J	17 cm/6½"



Retractors

**Marberger
Vein and Vascular Retractor
Malleable**

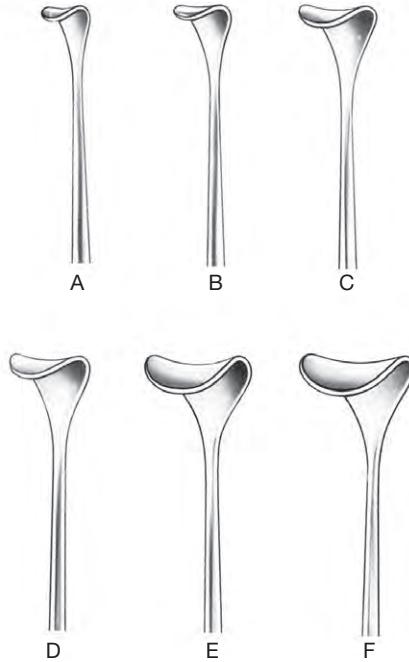
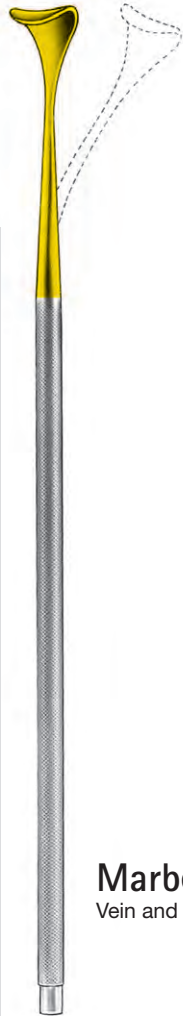
Art.-No.	Length	Width
30-0099	24 cm/9½"	4 mm
30-0100	24 cm/9½"	6 mm
30-0101	24 cm/9½"	8 mm
30-0102	24 cm/9½"	12 mm
30-0103	24 cm/9½"	15 mm
30-0104	24 cm/9½"	17 mm
30-0105	24 cm/9½"	20 mm
30-0106	24 cm/9½"	23 mm

**Cushing
Vein Retractor
Not Malleable**

Art.-No.	Fig.	Length	Width
30-0121	A	24 cm/9½"	8 mm
30-0122	B	24 cm/9½"	10 mm
30-0123	C	24 cm/9½"	12 mm
30-0124	D	24 cm/9½"	14 mm
30-0125	E	24 cm/9½"	16 mm
30-0126	F	24 cm/9½"	18 mm

Wire Retractor

Art.-No.	Length	Width
30-0140	24 cm	14 mm
30-0141	24 cm	17 mm
30-0142	24 cm	20 mm



Marberger
Vein and Vascular Retractor

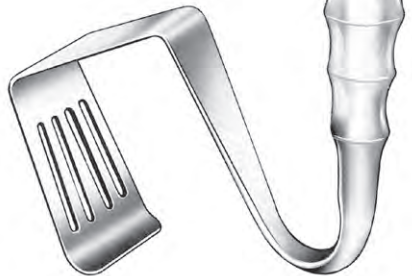


Cushing
Vein Retractor



Wire
Retractor

Davidson
Scapula Retractors



Retractor,
USA Pattern



Coolley-type
Retractor,
European Pattern



Davidson

Scapula Retractors

Art.-No.	Length	Size
30-0350	16 cm/6 1/4"	75 x 50 mm
30-0352	16 cm/6 1/4"	75 x 90 mm

Retractor, USA Pattern

Art.-No.	Length	Bending
30-0410	45 x 50 mm	right, deep
30-0411	18 x 30 mm	right
30-0413	35 x 38 mm	right
30-0414	45 x 48 mm	right
30-0417	17 x 19 mm	left
30-0416	38 x 19 mm	left
30-0415	45 x 20 mm	left

Coolley-type

Retractor, European Pattern

Art.-No.	Length	Bending
30-0400	45 x 45 mm	right
30-0402	45 x 45 mm	right serrated
30-0404	15 x 45 mm	left



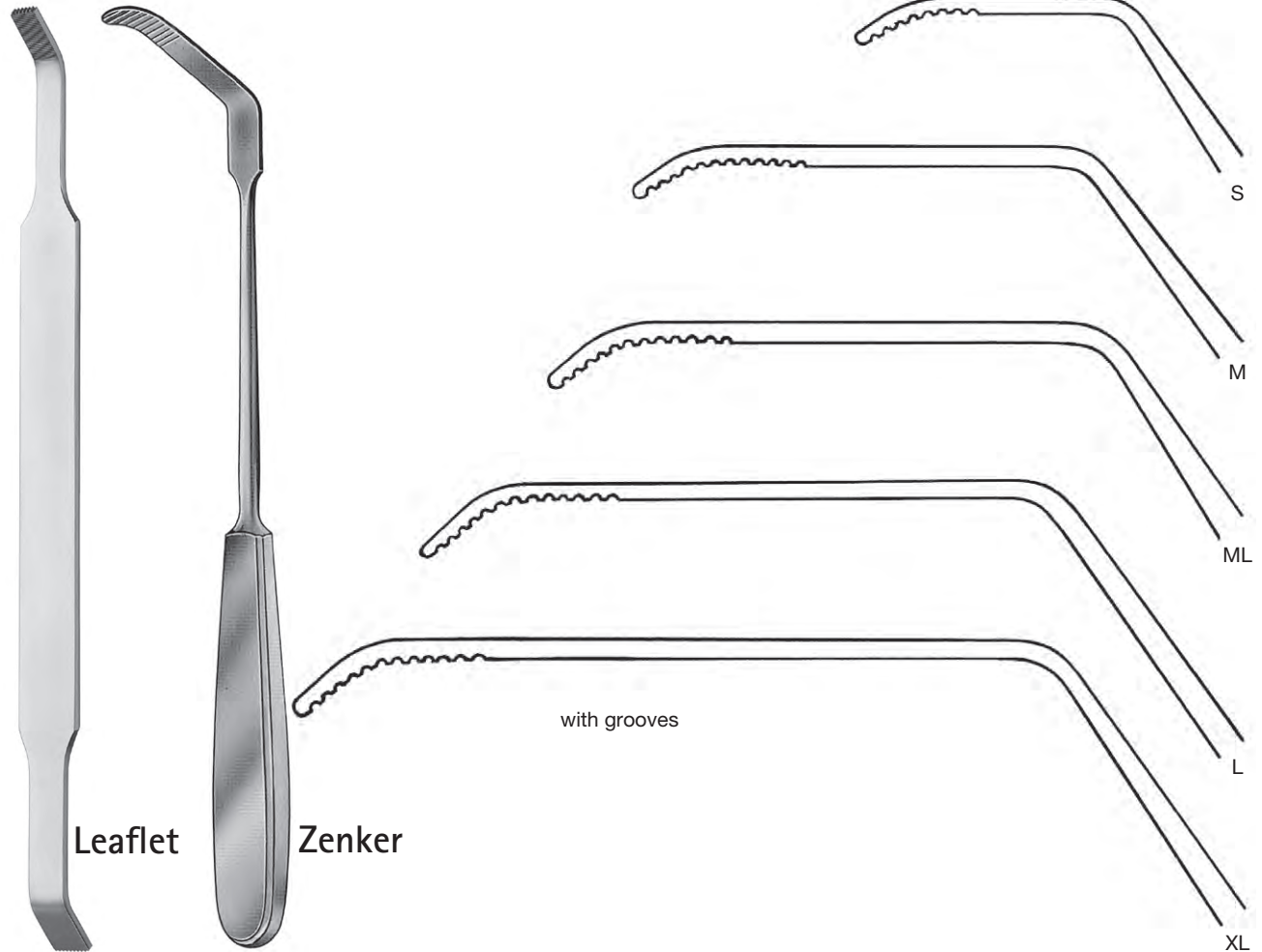
Retractors

Leaflet

Art.-No.	Length	Size mm
30-0354	21 cm/8¼"	7/10

Zenker

Art.-No.	Fig.	Length	Size mm
30-0200	S	25 cm	35 x 8
30-0201	M	26 cm	60 x 12
30-0202	ML	27 cm	75 x 12
30-0203	L	27 cm	85 x 20
30-0204	XL	27 cm	100 x 25



Leaflet

Zenker

with grooves

XL



Vascular Retractors

Shaft malleable
270 mm/10¾"



Ross
Vascular Hooks



Blanco
Leaflet Retractors

Vascular Retractors**Art.-No.**

30-0388.01	17 x 21 mm
30-0388.02	16 x 23 mm
30-0388.03	20 x 25 mm
30-0388.04	24 x 27 mm
30-0388.05	28 x 20 mm
30-0388.06	28 x 29 mm

Ross**Vascular Hooks****Art.-No.**

Fig	Length cm/"	Size mm
30-0390	1 24/9½	16 x 15
30-0391	2 24/9½	23 x 13
30-0392	3 24/9½	24 x 16
30-0393	4 24/9½	27 x 13
30-0394	5 24/9½	27 x 27
30-0395	6 24/9½	25 x 39

Blanco**Leaflet Retractors****Art.-No.**

Length	Width	
30-0090	28 cm/11"	5 mm
30-0091	28 cm/11"	7 mm
30-0092	28 cm/11"	10mm

**Crawford****Vascular Hooks**

Art.-No.	Fig	Lenght cm/''	Size mm
30-0355	1	19/7 1/2	15 x 15
30-0356	2	19/7 1/2	15 x 23

Harrington**Splanchnic Retractor**

Art.-No.	
30-0365	127 x 40 mm, 32 cm
30-0366	127 x 62 mm, 32 cm

Allison**Lung Spatulas**

Art.-No.	Lenght cm/''	Size mm
30-0360	32/12 1/2	for adults
30-0361	26/10 1/4	for children



Crawford
Vascular Hooks



Harrington
Splanchnic Retractor



Allison
Lung Spatulas



Allison
Extra large
Lung spatula



Slade
Baby-Allison
Lung Spatula



Walton
Copper Retractors/
Abdominal Spatulas

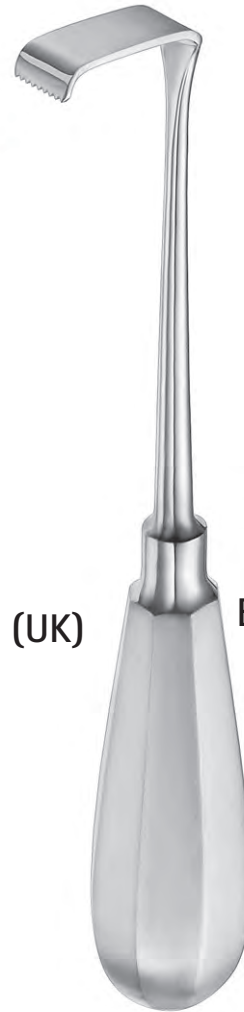
Allison		
Extra large Lung spatula		
Art.-No.	Length	Size mm
30-0362	30 cm/12"	137

Slade		
Baby-Allison Lung Spatula		
Art.-No.	L	
30-0363	42 mm	
30-0364	23 mm	

Walton		
Retractors/Abdominal Spatulas		
Art.-No.	Length	Size mm
30-0530	20 cm/8"	6
30-0531	20 cm/8"	8
30-0532	20 cm/8"	10
30-0533	20 cm/8"	12
30-0534	20 cm/8"	17
30-0535	20 cm/8"	20
30-0536	20 cm/8"	25
30-0537	25 cm/10"	25
30-0520	33 cm/13"	20
30-0521	33 cm/13"	25
30-0522	33 cm/13"	30
30-0523	33 cm/13"	35
30-0524	33 cm/13"	40
30-0525	33 cm/13"	50
30-0527	33 cm/13"	75



Tudor-
Edwards (UK)



Brock's (UK)



Brompton (UK)

Tudor-Edwards (UK)

Art.-No.	Length	Size mm
30-0495	16.5 cm/6½"	45 x 50

Brock's (UK)

Art.-No.	Length	Size mm
30-0497	19 cm/7½"	13 x 29

Brompton (UK)

Art.-No.	Length	Size mm
30-0496	19 cm/7½"	13 x 26



Cleland's (UK)
Leaflet Retractor



Brock's (UK)



Langenbeck (UK)

Cleland's (UK)		
Leaflet Retractor		
Art.-No.	Length	Size
30-0494	25 cm/10"	10 mm

Brock's (UK)		
Retractors		
Art.-No.	Length	Size
30-0397	19 cm/7 1/2"	5 mm
30-0398	19 cm/7 1/2"	10 mm
30-0399	19 cm/7 1/2"	12 mm

Langenbeck (UK)		
Retractors		
Art.-No.	Length	Size
30-0006	20.5 cm/8"	12 x 45 mm
30-0007	20.5 cm/8"	25 x 62 mm
30-0008	20.5 cm/8"	18 x 90 mm



Deaver



Deaver

Art.-No.	Fig.	Length	Size mm
30-0371	000	19 cm/7½"	19 mm
30-0372	00	22 cm/8½"	22 mm
30-0373	0	25 cm/10"	25 mm
30-0374	1	30 cm/12"	25 mm
30-0375	2	33 cm/13"	25 mm
30-0376	2½	36 cm/14¼"	25 mm

Lung Spatulas

GEISTER®



Deaver Art.-No.	Fig.	Length	Size mm
30-0377	3	30 cm/12"	38 mm
30-0378	4	30 cm/12"	50 mm
30-0379	5	30 cm/12"	75 mm

**Richardson-Eastman**

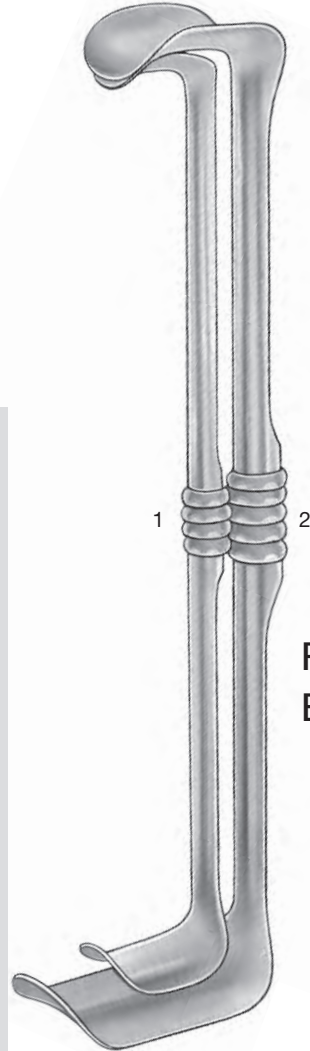
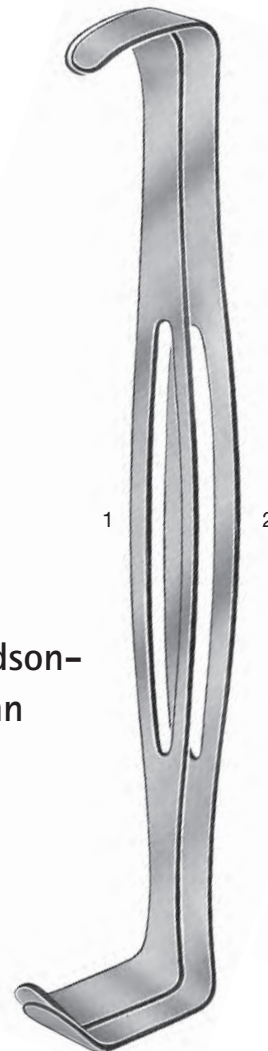
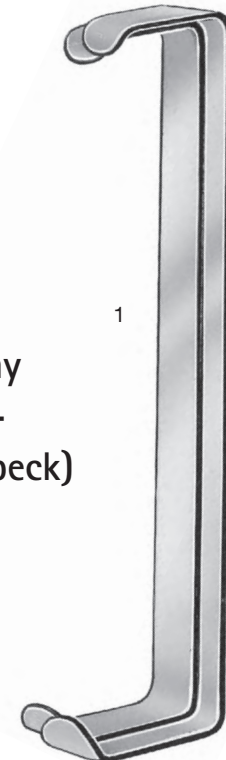
Art.-No.	Fig.	Length	Size mm
30-0470	1	25 cm/10"	28 x 20
	2	25 cm/10"	36 x 28
		27 cm/10¾"	49 x 38
		27 cm/10¾"	71 x 43

US-Army (Parker-Langenbeck)

Art.-No.	Fig.	Length	Size mm
30-0490	1	21 cm/8¼"	27 x 15
		21 cm/8¼"	40 x 15
	2	21 cm/8¼"	31 x 15
		21 cm/8¼"	45 x 15

Farabeuf

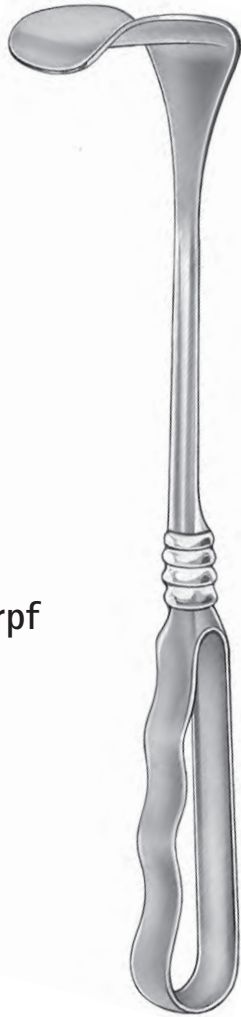
Art.-No.	Fig.	Length	Size mm
30-0485	1	12 cm/5¾"	26 x 10
		12 cm/5¾"	30 x 13
	2	12 cm/5¾"	30 x 10
		12 cm/5¾"	34 x 13
30-0486	1	15 cm/6"	23 x 16
		15 cm/6"	27 x 16
	2	15 cm/6"	26 x 16
		15 cm/6"	30 x 16

Richardson-
EastmanUS-Army
(Parker-
Langenbeck)

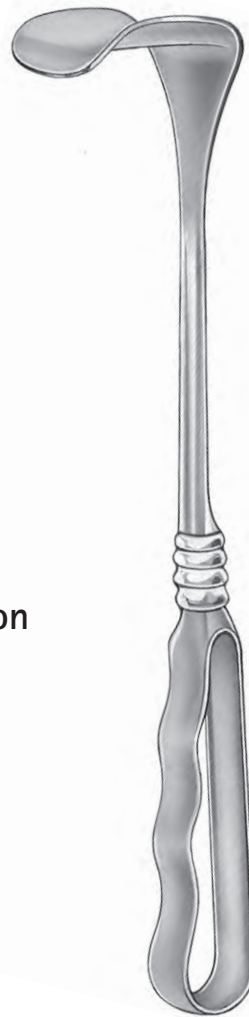
Farabeuf



Middeldorpf



Richardson



Kelly

Middeldorpf

Art.-No.	Length	Size mm
30-0195	21.5 cm/8 1/4"	15 x 16
30-0196	22.5 cm/8 3/4"	20 x 22
30-0197	23.5 cm/9"	28 x 29

Richardson

Art.-No.	Length	Size mm
30-0471	24 cm/9 1/2"	28 x 20
30-0472	24 cm/9 1/2"	36 x 28
30-0473	24 cm/9 1/2"	44 x 38
30-0474	24 cm/9 1/2"	52 x 22

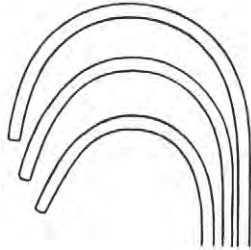
Kelly

Art.-No.	Length	Size mm
30-0475	26 cm/10 1/4"	65 x 50



Retractors

30-0480.03
30-0480.02
30-0480.01



Desmarres

Art.-No.	Fig.	Length	Size mm
30-0080	A	13 cm/5"	8
30-0081	B	13 cm/5"	10
30-0082	C	13 cm/5"	12
30-0083	D	13 cm/5"	14
30-0084	E	13 cm/5"	16
30-0085	F	13 cm/5"	18

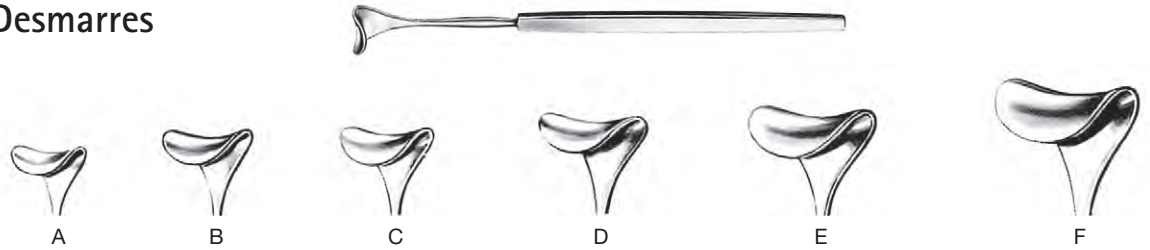
Roux

Art.-No.	Fig.	Length	Size mm
30-0480	1-3	16.5 cm/6 1/4"	
30-0480.01	A	16.5 cm/6 1/4"	20 x 26
	B	16.5 cm/6 1/4"	28 x 31
30-0480.02	A	16.5 cm/6 1/4"	26 x 28
	B	16.5 cm/6 1/4"	34 x 37
30-0480.03	A	16.5 cm/6 1/4"	29 x 31
	B	16.5 cm/6 1/4"	38 x 42
30-0483	A	13 cm/5"	15 x 17
	B	13 cm/5"	18 x 21
30-0481	A	16.5 cm/6 1/4"	20 x 43
	B	16.5 cm/6 1/4"	43 x 23
30-0482	A	18 cm/7"	31 x 27
	B	18 cm/7"	48 x 27

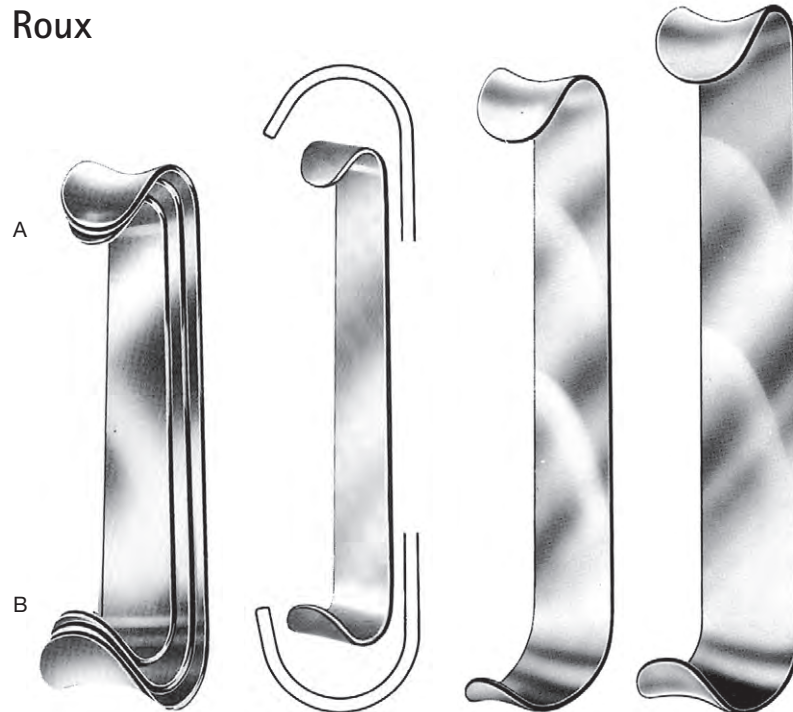
Mini Roux

Art.-No.	Length
30-0484	15 cm/6"

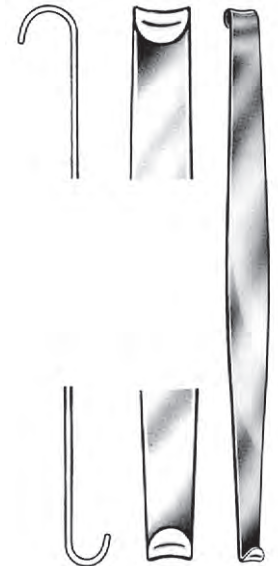
Desmarres



Roux

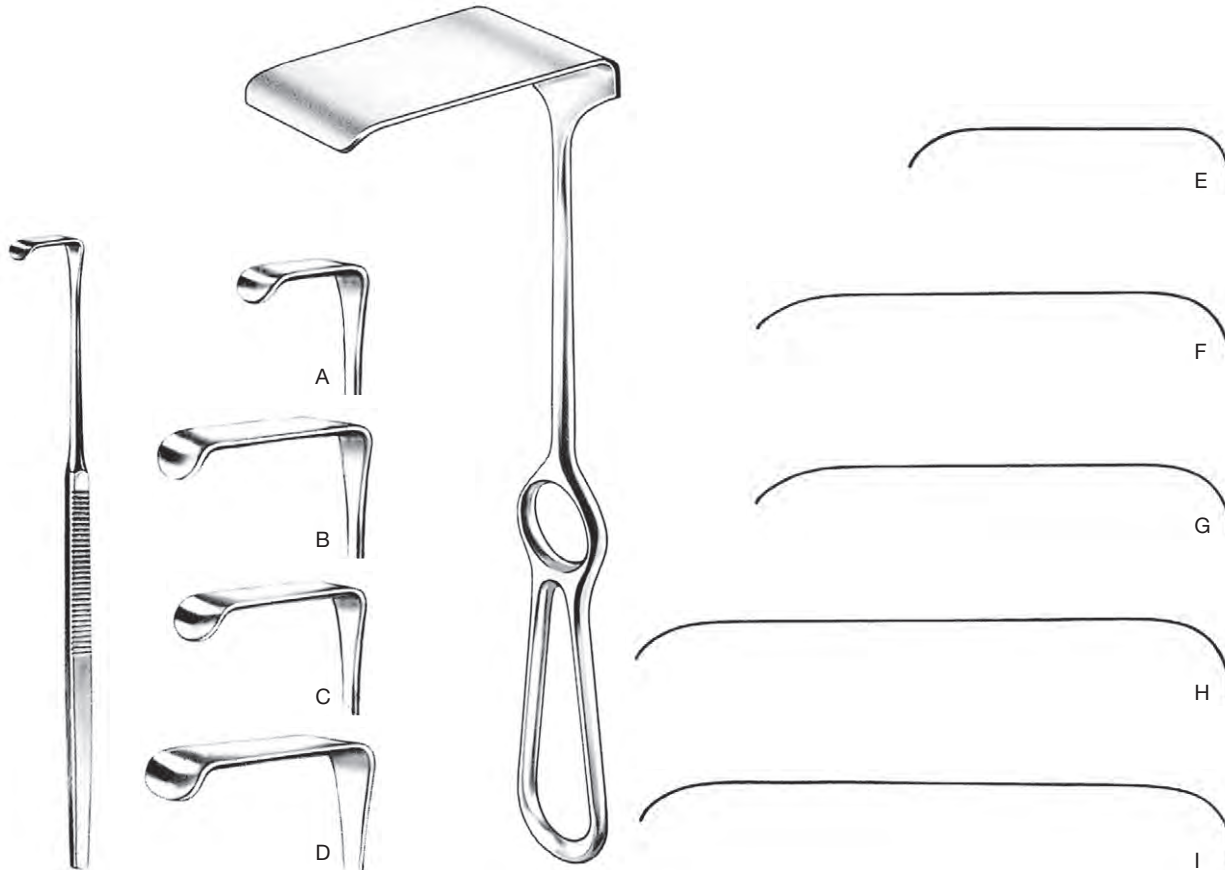


Mini-Roux



Mini-Langenbeck

Kocher

**Mini-Langenbeck**

Art.-No.	Fig.	Length	Size mm
30-0001	A	16 cm/6¼"	10 x 6
30-0002	B	16 cm/6¼"	20 x 6
30-0003	C	16 cm/6¼"	17 x 5
30-0004	D	16 cm/6¼"	22 x 8

Kocher

Art.-No.	Fig.	Length	Size mm
30-0054	E	23 cm/9"	40 x 18
30-0055	F	23 cm/9"	60 x 20
30-0056	G	23 cm/9"	60 x 25
30-0057	H	23 cm/9"	75 x 30
30-0058	I	23 cm/9"	75 x 40



Hand-held Retractors



Volkmann

		9 x 8 mm	9 x 13 mm	9 x 19 mm	9 x 29 mm	9 x 40 mm
sharp						
	30-1510 22 cm	30-1511 22 cm	30-1512 22 cm	30-1513 22 cm	30-1514 22 cm	30-1515 22 cm
blunt						
	30-1530 22 cm	30-1531 22 cm	30-1532 22 cm	30-1533 22 cm	30-1534 22 cm	30-1535 22 cm
semi-blunt						
	30-1520 22 cm	30-1521 22 cm	30-1522 22 cm	30-1523 22 cm	30-1524 22 cm	30-1525 22 cm



Kocher

		15 x 10 mm	15 x 15 mm	15 x 20 mm	15 x 30 mm	15 x 40 mm
sharp						
		30-1540 22 cm	30-1541 22 cm	30-1542 22 cm	30-1543 22 cm	30-1544 22 cm
blunt						
		30-1560 22 cm	30-1561 22 cm	30-1562 22 cm	30-1563 22 cm	30-1564 22 cm
semi-blunt						
		30-1550 22 cm	30-1551 22 cm	30-1552 22 cm	30-1553 22 cm	30-1554 22 cm



Hand-held Retractors



30-0019
21.5 cm, 25 x 6 mm
1



30-0020
21.5 cm, 25 x 8 mm
2



30-0021
21.5 cm, 35 x 8 mm
3



30-0022
21.5 cm, 35 x 11 mm
4



30-0023
21.5 cm, 35 x 15 mm
5



30-0024
21.5 cm, 40 x 11 mm
6



30-0025
21.5 cm, 55 x 11 mm
7



30-0026
21.5 cm, 70 x 14 mm
8



30-0027
21.5 cm, 80 x 12 mm
9



30-0028
21.5 cm, 80 x 16 mm
10

Kocher-Langenbeck



Langenbeck



30-0009
21 cm, 20 x 7 mm
0



30-0010
21 cm, 30 x 11 mm
1



30-0011
21 cm, 30 x 14 mm
2



30-0012
21 cm, 30 x 16 mm
3



30-0013
21 cm, 33 x 14 mm
4



30-0014
21 cm, 40 x 11 mm
5



30-0015
21 cm, 42 x 13 mm
6

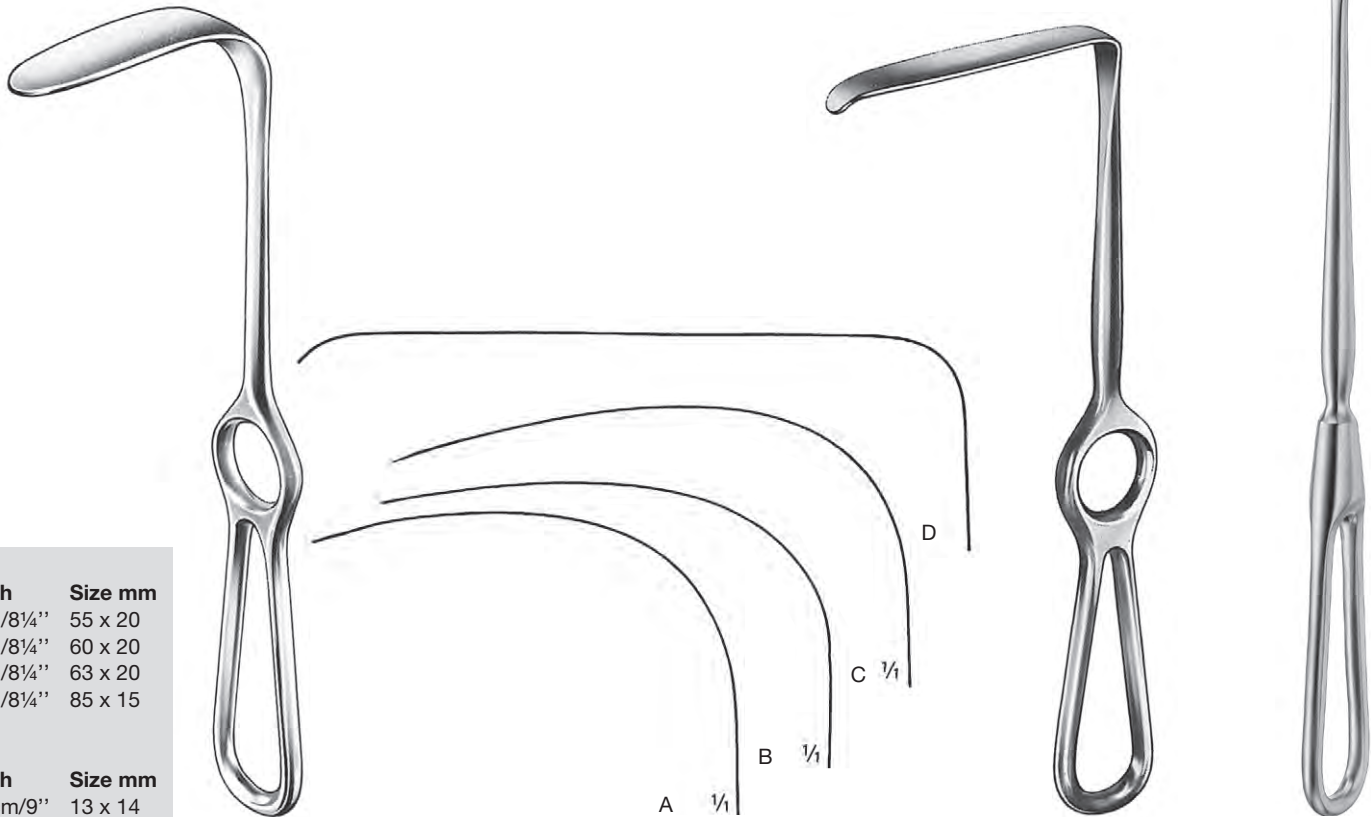


30-0016
21 cm, 50 x 11 mm
7



Langenbeck

Cushing Vein

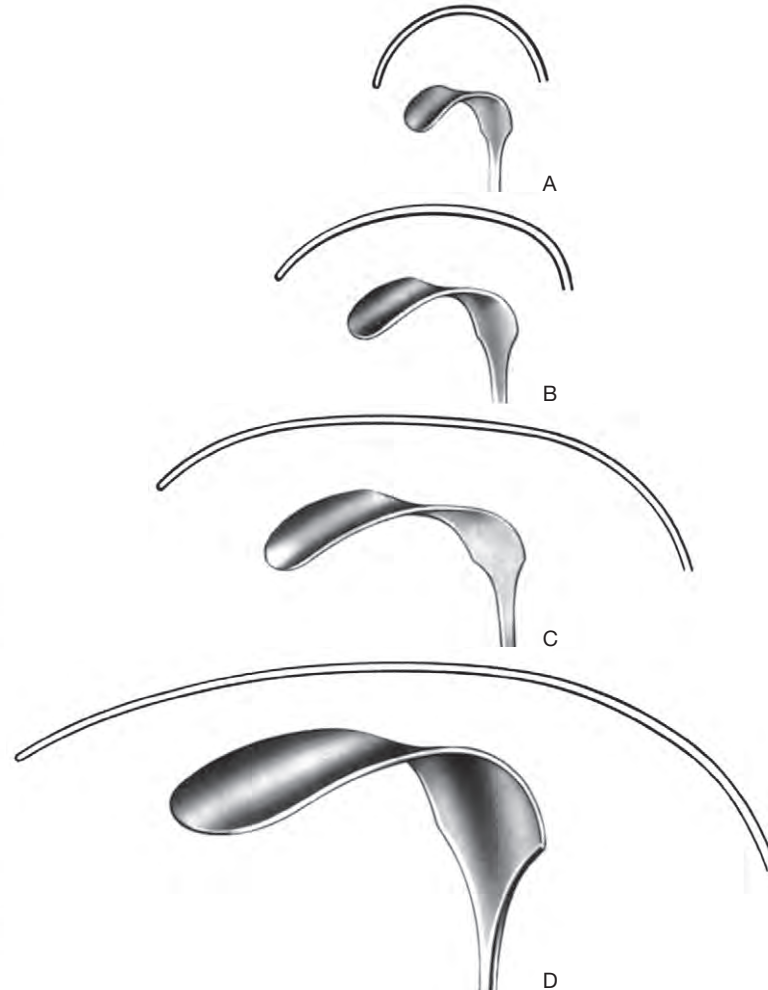
**Langenbeck**

Art.-No.	Fig.	Length	Size mm
30-0060	A	21 cm/8¼"	55 x 20
30-0061	B	21 cm/8¼"	60 x 20
30-0062	C	21 cm/8¼"	63 x 20
30-0063	D	21 cm/8¼"	85 x 15

Cushing Vein

Art.-No.	Length	Size mm
30-0130	22.5 cm/9"	13 x 14

Kocher



Kocher Art.-No.	Fig.	Length	Size mm
30-0450	A	28 cm/11"	22 x 15
30-0451	B	28 cm/11"	38 x 20
30-0452	C	28 cm/11"	67 x 25
30-0453	D	28 cm/11"	100 x 35



Fritsch

Kocher

Kocher

Fritsch

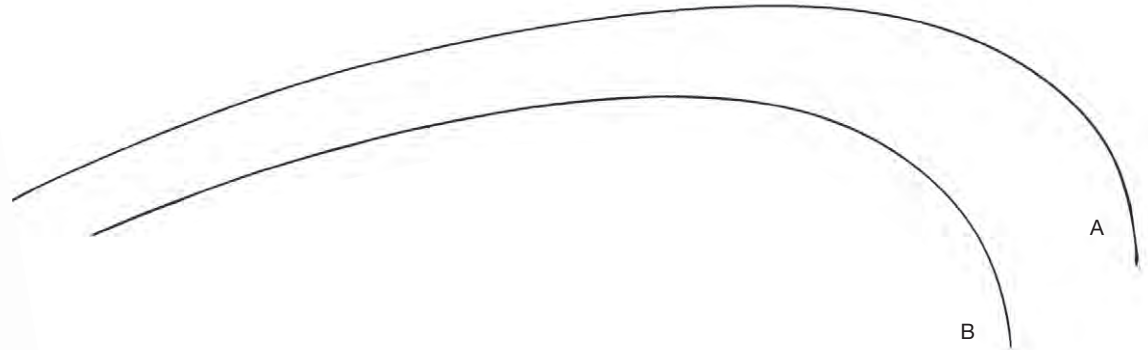
Art.-No.	Fig.	Length	Size mm
30-0431		24 cm/9½"	45 x 40
30-0432		24 cm/9½"	45 x 50
30-0433		24 cm/9½"	45 x 60
30-0434		24 cm/9½"	45 x 75
30-0435		24 cm/9½"	65 x 85

Kocher

Art.-No.	Fig.	Length	Size mm
30-0455	A	22.5 cm/8½"	70 x 25
30-0456	B	25 cm/10"	80 x 42
30-0457	B	25 cm/10"	80 x 50
30-0458	B	25 cm/10"	80 x 60



Mikulicz

**Mikulicz**

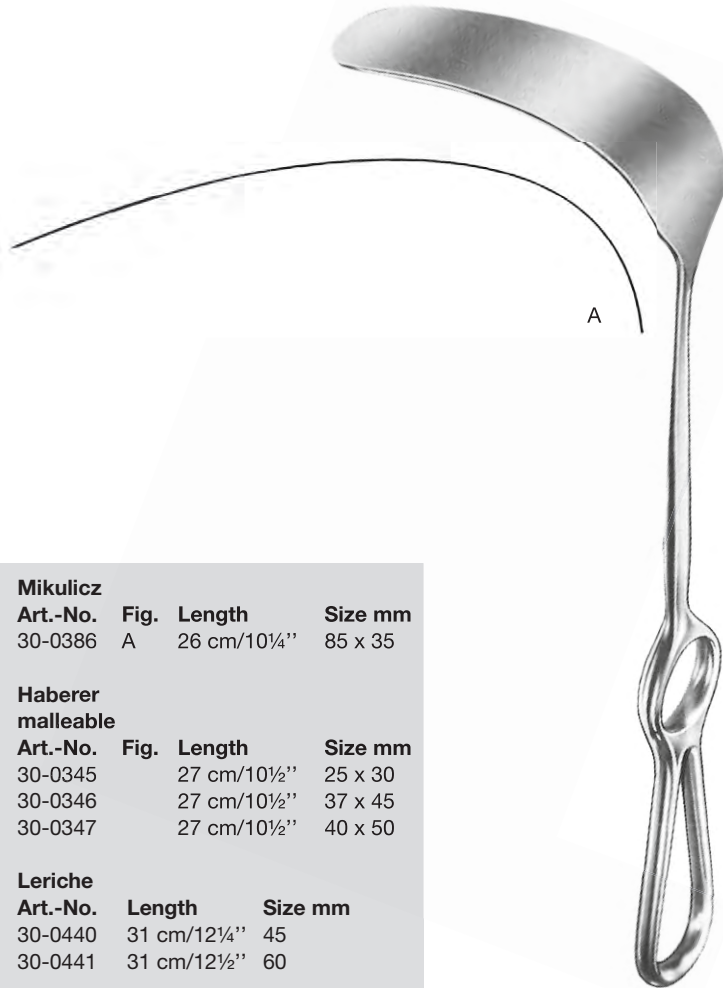
Art.-No.	Fig.	Length	Size mm
30-0380	A	26 cm/10¼"	155 x 50
30-0381	B	26 cm/10¼"	120 x 50



Mikulicz

Haberer

Leriche

**Mikulicz**

Art.-No.	Fig.	Length	Size mm
30-0386	A	26 cm/10¼"	85 x 35

Haberer malleable

Art.-No.	Fig.	Length	Size mm
30-0345		27 cm/10½"	25 x 30
30-0346		27 cm/10½"	37 x 45
30-0347		27 cm/10½"	40 x 50

Leriche

Art.-No.	Length	Size mm
30-0440	31 cm/12¼"	45
30-0441	31 cm/12½"	60



Berlin Spatulas



30-0540.02



30-0541.04

TEA Hetzer



03-7010

Haight

30-0542.01


Berlin Spatulas
Malleable Retractor Spatulas
for Pediatric Surgery

Art.-No.	Length	Size A/B
30-0540.03	26.5 cm	41 mm/20 mm, varied
30-0540.02	25.0 cm	32 mm/20 mm, varied
30-0540.01	23.5 cm	16 mm/10 mm, varied
30-0541.05	27.0 cm	41 mm/23 mm
30-0541.04	25.5 cm	34 mm/23 mm
30-0541.03	24.0 cm	19 mm/14 mm
30-0541.02	23.5 cm	11 mm/9 mm
30-0541.01	23.5 cm	11 mm/7 mm

TEA Hetzer

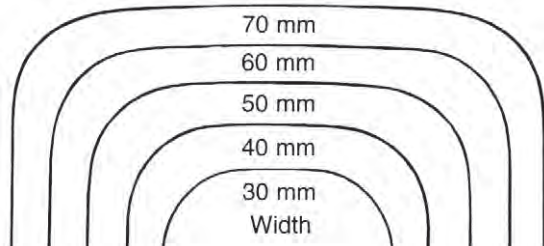
03-7010	26.0 cm	6 mm/4 mm
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Haight**Malleable T-Retractor**

Art.-No.	Length	Size
30-0542.01	29.0 cm	75 mm
30-0542.02	30.0 cm	90 mm
30-0542.03	30.5 cm	102 mm
30-0542.04	32.5 cm	120 mm
30-0542.05	34.0 cm	140 mm



Abdominal Spatulas



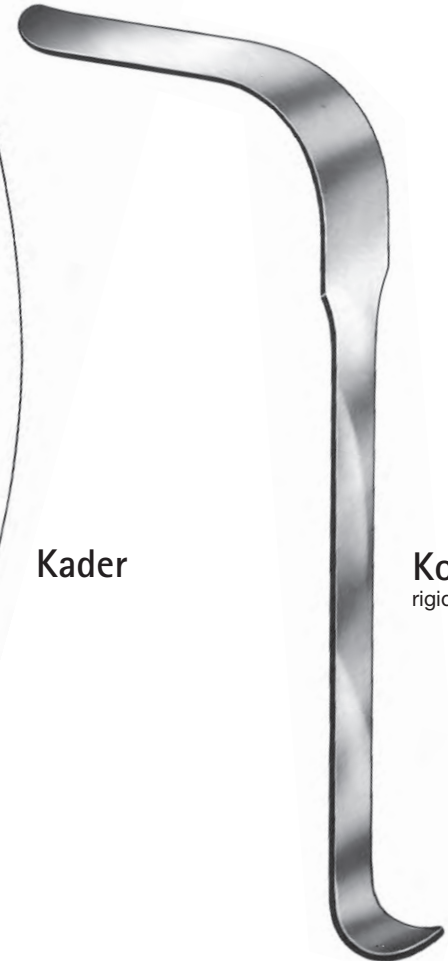
245 mm / 9 1/2"



Stainless Steel



Kader

Koerte
rigid**Stainless Steel malleable**

Art.-No.	Length	Size mm
30-0330	41 cm/16 1/2"	30
30-0331	41 cm/16 1/2"	40
30-0332	41 cm/16 1/2"	50
30-0333	41 cm/16 1/2"	60
30-0334	41 cm/16 1/2"	70

Kader

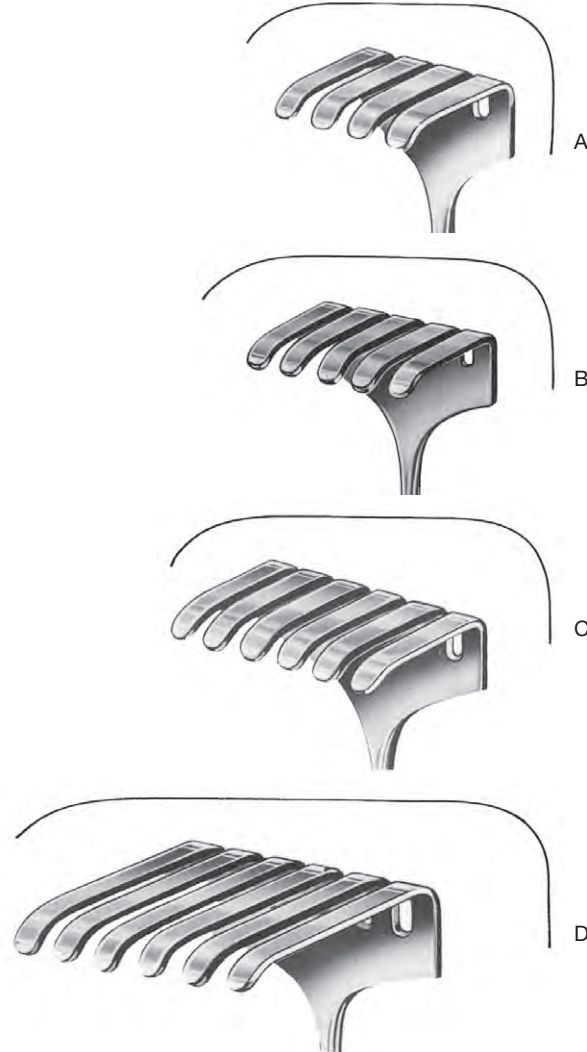
Art.-No.	Length	Size mm
30-0340	27 cm/10 1/2"	20
30-0341	27 cm/10 1/2"	30
30-0342	27 cm/10 1/2"	40

Koerte

Art.-No.	Length	Size mm
30-0344	28 cm/11"	100 x 45



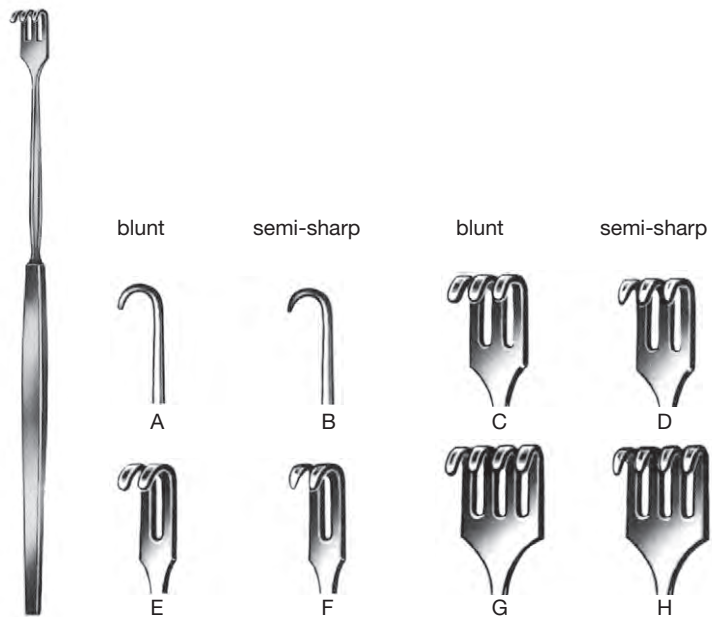
Israel



Israel			
Art.-No.	Fig.	Length	Size mm
30-0030	A	25 cm/10"	40 x 40
30-0031	B	25 cm/10"	45 x 50
30-0032	C	25 cm/10"	50 x 60
30-0033	D	25 cm/10"	70 x 70



Trachea



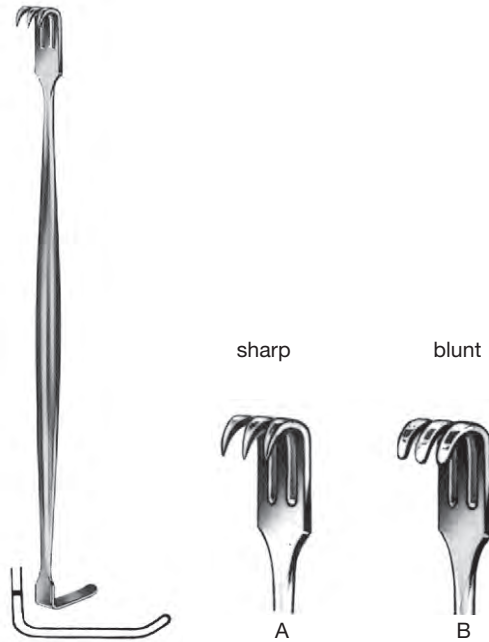
Trachea

Art.-No.	Fig.	Length
30-0165	A	16 cm/6 1/4"
30-0160	B	16 cm/6 1/4"
30-0167	C	16 cm/6 1/4"
30-0162	D	16 cm/6 1/4"
30-0166	E	16 cm/6 1/4"
30-0161	F	16 cm/6 1/4"
30-0168	G	16 cm/6 1/4"
30-0163	H	16 cm/6 1/4"

Ragnell-Davis



Senn-Mueller

**Ragnell-Davis**

Art.-No.	Length
30-0170	14 cm/5½"

Senn-Mueller

Art.-No.	Fig.	Length
30-0175	A	16 cm/6¼"
30-0176	B	16 cm/6¼"



Fiberoptic Mamma Retractors

Smooth blade

Serrated blade



Smooth blade:

33-0405.07	70x16 mm
33-0405.09	90x27 mm
33-0405.10	100x25 mm
33-0405.12	120x16 mm
33-0405.15	150x16 mm
33-0405.18	180x25 mm
33-0405.22	220x25 mm

Serrated blade:

33-0400.07	70x16 mm
33-0400.09	90x27 mm
33-0400.10	100x25 mm
33-0400.12	120x16 mm
33-0400.15	150x16 mm
33-0400.18	180x25 mm
33-0400.22	220x25 mm

- + Ergonomic gold handle
- + Lightweight design
- + Well-balanced
- + Universal adapters for most common fiberoptic cables
- + Choice of smooth or serrated blades
- + Large variety of applications
- + Other dimensions and suction channel on request



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