

NARZĘDZIA ORTOPEDYCZNE ORTHOPAEDIC INSTRUMENTS



NARZĘDZIA DO AMPUTACJI	5	ODGRYZACZE DO KRAŻKÓW MIĘDZYKRĘGOWYCH	80
AMPUTATION INSTRUMENTS		INTERVERTEBRAL DISC RONGEURS	
NARZĘDZIA DO AMPUTACJI	6	ODGRYZACZE DO NEUROCHIRURGII I LAMINEKTOMII	84
AMPUTATION INSTRUMENTS		NEUROSURGERY AND LAMINECTOMY RONGEURS	
NOŻE AMPUTACYJNE, KOSTNE	7	ROZWIERACZE DO KRĘGOSŁUPA	85
AMPUTATING, RESECTION KNIVES		LAMINA SPREADERS	
PILNIKI KOSTNE	8	ZWIERACZE DO ŻEBER	86
BONE FILES		RIB CONTRACTORS	
POBIJAKI	9	OPASKI	87
TAMPERS		CUFFS	
DŁUTA, OSTEOTOMY, DŁUTA ŻŁOBOWE	10	ZASILACZE	88
CHISELS, OSTEOTOMES, GOUGES		TOURNIQUETS	
ŁYŻECZKI KOSTNE	17	PODWÓJNY ELEKTRONICZNY ZASILACZ OPASEK ZACISKOWYCH TYP EZO-02	90
BONE CURETTES		EZO-02 ELECTRONIC DUAL TOURNIQUET CONTROL UNIT	
MŁOTKI	20	WYPOSAŻENIE ZASILACZY	91
HAMMERS		TOURNIQUETS EQUIPMENT	
SKROBACZKI	21	WZORCE DŁUGOŚCI	92
RASPATORIES		LENGTH MEASURING GAUGES	
PODWAŻKI ZDERKIEWICZA	25		
ZDERKIEWICZ ELEVATORS			
PODWAŻKI	26		
ELEVATORS			
ODGRYZACZE KOSTNE	31		
BONE RONGEURS FORCEPS			
KLESZCZE DO CIĘCIA KOŚCI	38		
BONE CUTTING FORCEPS			
USTALACZE ODŁAMÓW KOŚCI	40		
BONE HOLDING FORCEPS			
KLAMRY DO WYCIĄGU CZASZKOWEGO	46		
SKULL TRACTION TONGS			
KLAMRY DO WYCIĄGU	48		
TRACTION BOWS			
UCHWYTY DO MOCOWANIA DŁONI	49		
HAND FIXATIONS			
NARZĘDZIA DO OPATRUNKÓW I GIPSU	50		
BANDAGE AND PLASTER REMOVING INSTRUMENTS			
NARZĘDZIA DO DRUTU	56		
WIRE INSTRUMENTS			
KLESZCZE DO GIĘCIA DRUTU	57		
WIRE PLIERS			
KLESZCZE DO GIĘCIA I CIĘCIA DRUTU	59		
WIRE PLIERS			
KLESZCZE DO CIĘCIA DRUTU I GWOŹDZI	60		
WIRE AND NAIL CUTTING FORCEPS			
WIERTŁA	64		
DRILLS			
RĄCZKA STEINMANN/ GWINTOWNIKI/ INNE	65		
STEINMANN HANDLE/ TAPS/ OTHERS			
ROZWIERTAKI ŚRÓDSZPIKOWE	66		
INTRAMEDULLARY REAMERS			
NARZĘDZIA DO GIĘCIA PŁYTEK	70		
BENDING INSTRUMENTS FOR PLATES			
NARZĘDZIA DO CHIRURGII RĘKI/ HAKI	71		
HAND SURGERY INSTRUMENTS/ RETRACTORS			
NARZĘDZIA DO CHIRURGII RĘKI/ PODWAŻKI	73		
HAND SURGERY INSTRUMENTS/ ELEVATORS			
NARZĘDZIA DO CHIRURGII RĘKI/ DŁUTA, OSTEOTOMY	74		
HAND SURGERY INSTRUMENTS/ CHISELS, OSTEOTOMES			
ROZWIERACZE	76		
SPREADERS			
DYSTRAKTORY	78		
DISTRACTORS			
NARZĘDZIA DO ENDOPROTEZ	79		
INSTRUMENTS FOR ENDOPROSTHESIS			



Retraktor Percy
Retractor Percy

40.0413



Piła amputacyjna
Amputation saw

długość ostrza
length of blade

40.0231 220 mm



Charriere

40.3352 350mm

komplet z ostrzami wymiennymi
set with interchangeable blades

40.3353 12/215 mm

40.3354 18/215 mm



Langenbeck

40.3355 235mm

długość ostrza
length of blade
115 mm



Olivecrona

40.3190	300 mm
40.3191	400 mm
40.3192	500 mm
40.3193	700 mm
ø 1,2 mm	



Gigli

	5 Szt. 5 Pcs	1 Szt. 1 Pcs
300 mm	40.3356.005	40.3356
400 mm	40.3357.005	40.3357
500 mm	40.3358.005	40.3358
ø 1,4 mm		
500 mm	40.3359.005	40.3359
ø 1,8 mm		



Gigli

40.0432

Uchwyt
Saw Handle



Martel

40.4575
330 mm

Prowadnica
Conductor



Nóż Virchowa

30.3513.000
200 mm

dlugość ostrza
length of blade

85 mm



Nóż Virchowa

30.3513.100
200 mm

dlugość ostrza
length of blade

95 mm

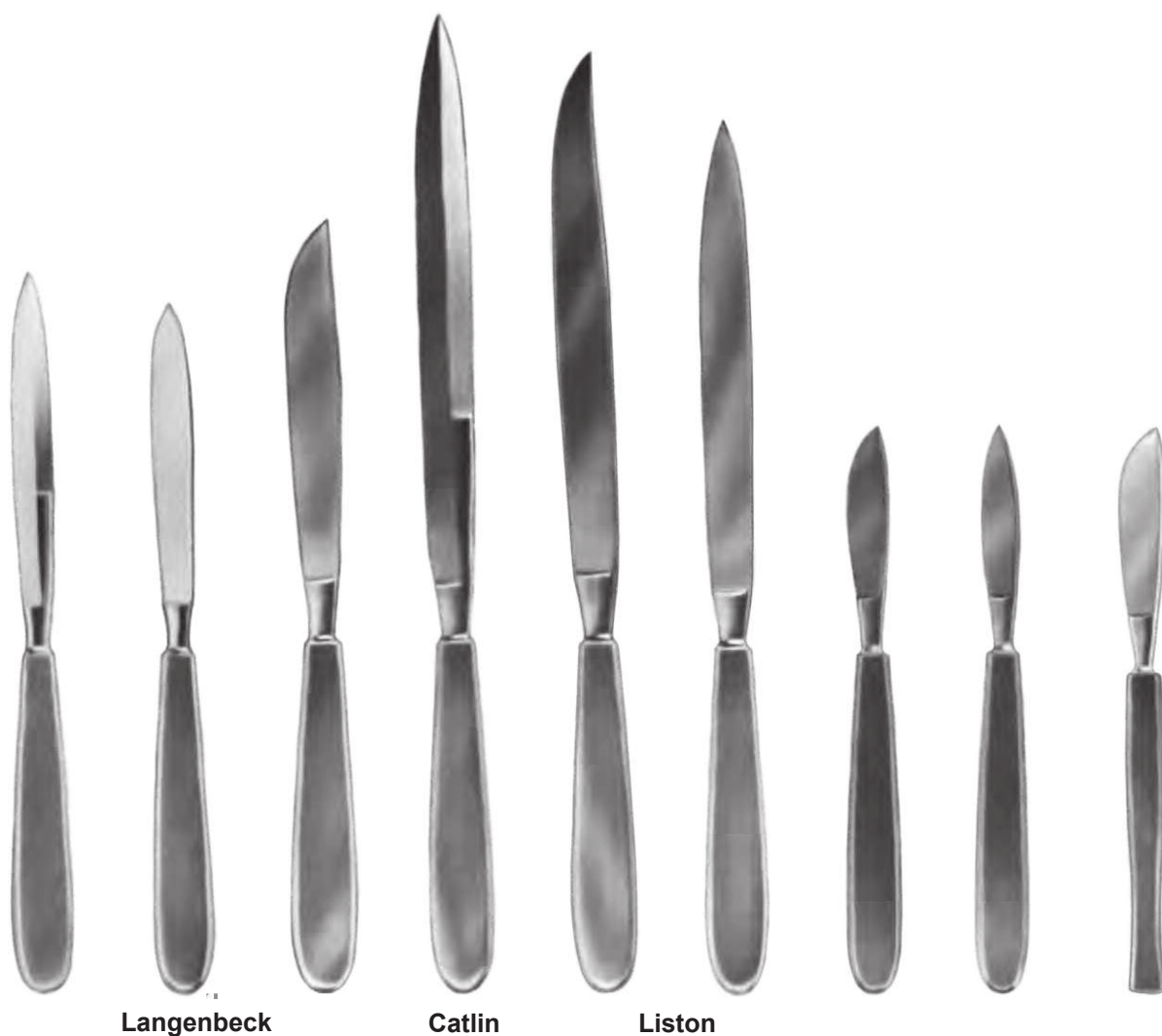


Nóż Virchowa

30.3513.200
200 mm

dlugość ostrza
length of blade

115 mm



długość ostrza
length of blade

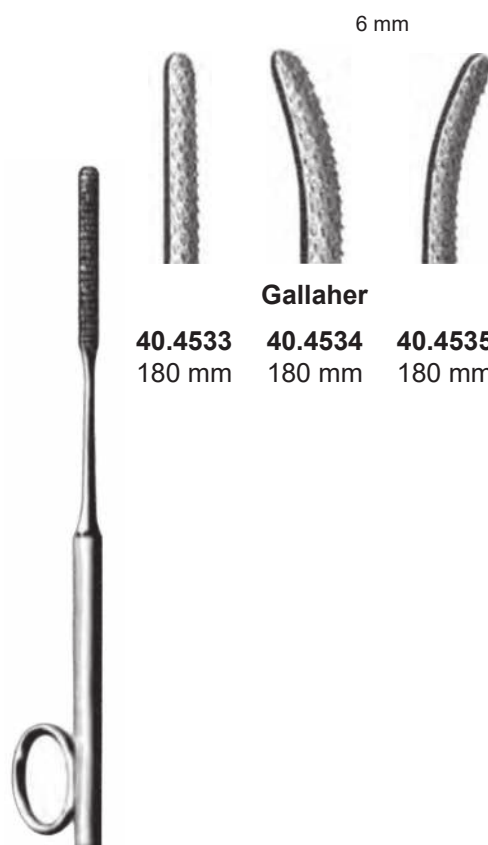
55 mm				40.0121	40.0122	
65 mm						40.0290
95 mm	30.2945					
110 mm	30.0028					
120 mm		30.0034				
130 mm		30.2946			30.0029	
160 mm			30.0030		30.0031	
170 mm				30.2947		
190 mm		30.2940			30.0032	
200 mm			30.2949			
220 mm		30.2944			30.0033	



40.4530
245 mm



40.4532
220 mm



Gallaher

40.4533
180 mm

40.4534
180 mm

40.4535
180 mm



Joseph
40.4536 160 mm
40.4537 160 mm



Putti
40.4539
300 mm



Putti
40.4540
270 mm



Putti
40.4576
280 mm



Passow

40.0493.025 2,5 mm
120 mm



Passow

40.0493.035 3,5 mm
120 mm



40.0494.002 2 mm
40.0494.003 3 mm
40.0494.004 4 mm
40.0494.005 5 mm
40.0494.006 6 mm
40.0494.008 8 mm
40.0494.010 10 mm
160 mm



Caspar

40.0495.103 3 mm
40.0495.105 5 mm
40.0495.108 8 mm
40.0495.112 12 mm
40.0495.114 14 mm
40.0495.116 16 mm
200 mm



uchwyt z tworzywa
plastic handle

Lambotte

40.0210	4 mm
40.0211	8 mm
40.0212	10 mm
40.0213	13 mm
40.0214	16 mm
40.0215	18 mm
40.0216	20 mm
40.0217	25 mm
40.0218	30 mm
40.0219	38 mm
40.0220	44 mm
40.0221	50 mm
	250 mm

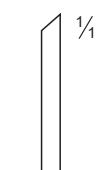
40.0523	8 mm
40.0524	13 mm
40.0525	18 mm
40.0526	25 mm
40.0527	30 mm
40.0528	38 mm
	250 mm

Lambotte - mini

40.0222	4 mm
40.0223	6 mm
40.0224	8 mm
40.0226	10 mm
40.0227	12 mm
40.0228	15 mm
	125 mm



40.0039	4 mm
40.0046	6 mm
40.0047	8 mm
40.0048	10 mm
40.0049	12 mm
	140 mm



40.0029	4 mm
40.0056	6 mm
40.0057	8 mm
40.0058	10 mm
40.0059	12 mm
	140 mm

Mannerfelt modyf.

40.0262	4 mm
40.0263	6 mm
40.0264	8 mm
	155 mm



Lexer

40.0194 5 mm
40.0195 10 mm
40.0196 15 mm
250 mm



Lexer

40.0197 5 mm
40.0198 10 mm
40.0199 15 mm
250 mm



Lexer

40.0271 5 mm
40.0272 7 mm
40.0273 10 mm
40.0274 15 mm
40.0276 20 mm
40.0277 25 mm
40.0278 30 mm
220 mm



Lexer - mini

40.0266 4 mm
40.0267 6 mm
40.0268 8 mm
40.0269 10 mm
40.0270 12 mm
190 mm



Lexer

40.0162 5 mm
40.0163 7 mm
40.0164 10 mm
40.0165 15 mm
40.0166 20 mm
40.0167 25 mm
40.0168 30 mm
220 mm



Lexer - mini

40.0125 4 mm
40.0126 6 mm
40.0127 8 mm
40.0128 10 mm
40.0129 12 mm
180 mm



Cobb
270 mm



40.0492.100
8 mm



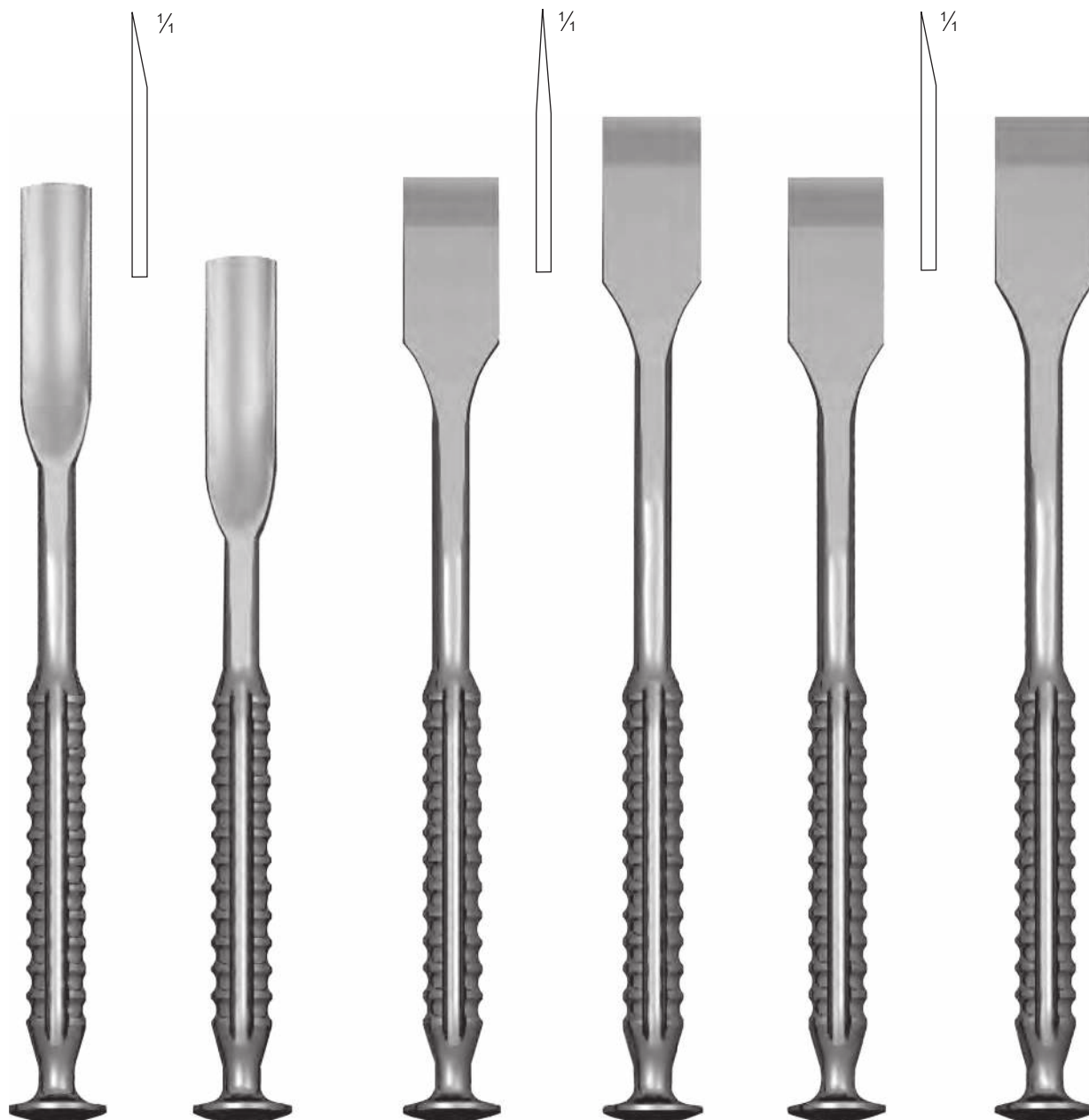
40.0492.200
8 mm



40.0492.300
8 mm



40.0492.400
8 mm



ChM

40.0080 10 mm
40.0082 15 mm
40.0084 20 mm
40.0086 25 mm
40.0088 30 mm
280 mm

ChM

40.0081 10 mm
40.0083 15 mm
40.0085 20 mm
40.0087 25 mm
40.0089 30 mm
240 mm

ChM

40.0051 10 mm
40.0304 12 mm
40.0305 15 mm
40.0053 20 mm
40.0306 25 mm
40.0055 30 mm
240 mm

ChM

40.0050 10 mm
40.0301 12 mm
40.0302 15 mm
40.0052 20 mm
40.0303 25 mm
40.0054 30 mm
280 mm

ChM

40.0061 6 mm
40.0063 10 mm
40.0308 12 mm
40.0065 15 mm
40.0067 20 mm
40.0069 25 mm
40.0071 30 mm
240 mm

ChM

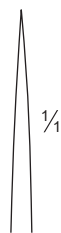
40.0060 6 mm
40.0062 10 mm
40.0307 12 mm
40.0064 15 mm
40.0066 20 mm
40.0068 25 mm
40.0070 30 mm
280 mm


Stille

40.0040 6 mm
40.0041 10 mm
40.0034 12 mm
40.0042 15 mm
40.0043 20 mm
40.0044 25 mm
40.0045 30 mm
200 mm


Stille

40.0155 10 mm
40.0156 12 mm
40.0157 15 mm
40.0158 20 mm
40.0159 25 mm
200 mm


Mac Evan - Stille

40.0023 6 mm
40.0010 10 mm
40.0013 12 mm
40.0014 15 mm
40.0011 20 mm
40.0017 25 mm
40.0012 30 mm
40.0022 40 mm
200 mm


Stille

40.0245 10 mm
40.0246 12 mm
40.0247 15 mm
40.0248 20 mm
40.0249 25 mm
200 mm


Stille

40.0510 6 mm
40.0511 8 mm
40.0512 10 mm
40.0513 12 mm
40.0514 15 mm
160 mm


Hibbs

30.4028 6 mm
30.4029 13 mm
30.4030 19 mm
30.4031 25 mm
30.4032 32 mm
240 mm


Hibbs

30.4033 6 mm
30.4034 13 mm
30.4035 19 mm
30.4036 25 mm
30.4037 32 mm
240 mm


Hibbs

30.4038 6 mm
30.4039 13 mm
30.4040 19 mm
30.4041 25 mm
30.4042 32 mm
240 mm



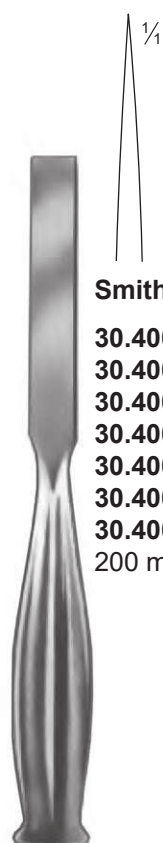
Hibbs

30.4043 6 mm
30.4044 13 mm
30.4045 19 mm
30.4046 25 mm
30.4047 32 mm
240 mm



Hibbs

30.4048 6 mm
30.4049 13 mm
30.4050 19 mm
30.4051 25 mm
30.4052 32 mm
240 mm



Smith - Petersen

30.4000 6 mm
30.4001 9 mm
30.4002 13 mm
30.4003 16 mm
30.4004 19 mm
30.4005 25 mm
30.4006 32 mm
200 mm



Smith - Petersen

30.4007 6 mm
30.4008 9 mm
30.4009 13 mm
30.4010 16 mm
30.4011 19 mm
30.4012 25 mm
30.4013 32 mm
200 mm



Smith - Petersen

30.4014 6 mm
30.4015 9 mm
30.4016 13 mm
30.4017 16 mm
30.4018 19 mm
30.4019 25 mm
30.4020 32 mm
200 mm



Smith - Petersen

30.4021 6 mm
30.4022 9 mm
30.4023 13 mm
30.4024 16 mm
30.4025 19 mm
30.4026 25 mm
30.4027 32 mm
200 mm



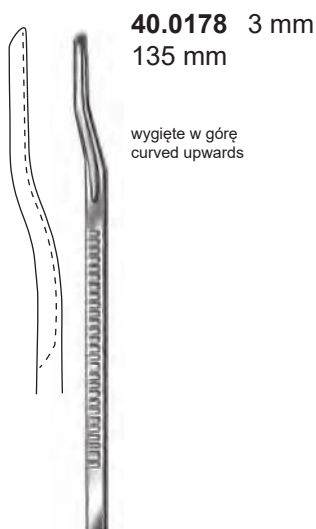
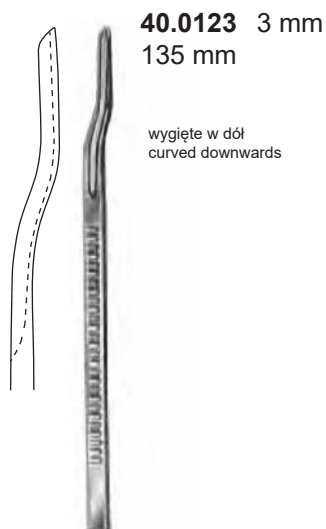
Lucas

40.0118 3 mm
40.0119 5 mm
160 mm



Lucas

40.0108 4 mm
40.0109 6 mm
160 mm

Dłuta żłobowe do kości łódkowatej
Scaphoid gouges

Aleksander

40.0236 6 mm
40.0237 8 mm
40.0238 10 mm
40.0239 12 mm
175 mm


Partsch

40.0174 3 mm
40.0175 4 mm
40.0176 5 mm
40.0177 6 mm
140 mm

40.0229 3 mm
40.0232 4 mm
40.0233 5 mm
40.0234 6 mm
40.0209 7 mm
170 mm

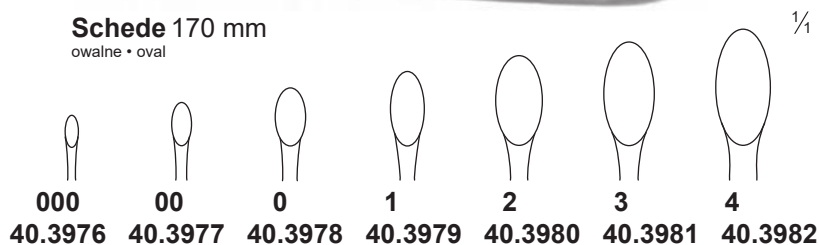

Partsch

40.0201 3 mm
40.0202 4 mm
40.0203 5 mm
40.0204 6 mm
140 mm

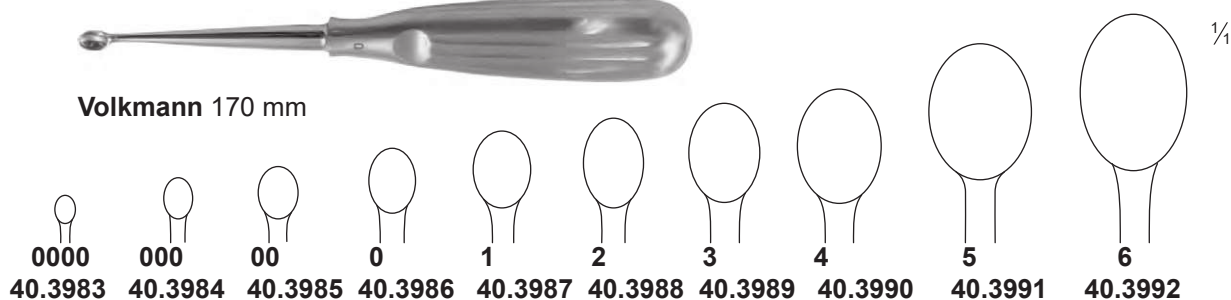
40.0145 3 mm
40.0146 4 mm
40.0147 5 mm
40.0148 6 mm
40.0149 7 mm
170 mm



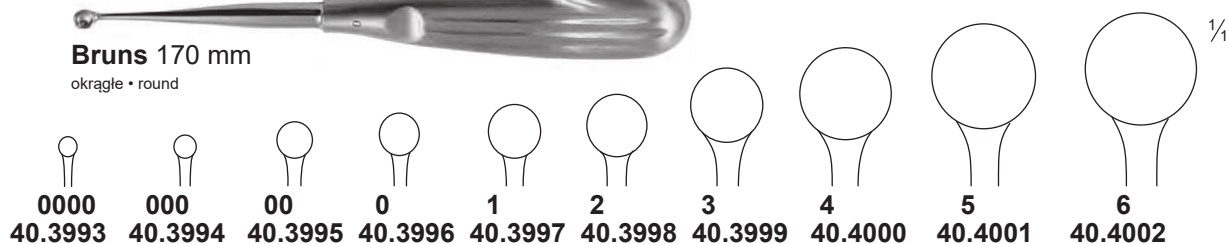
Schede 170 mm
owalne • oval



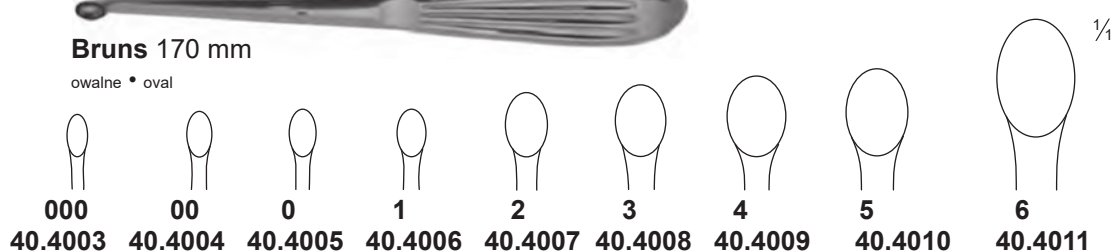
Volkmann 170 mm



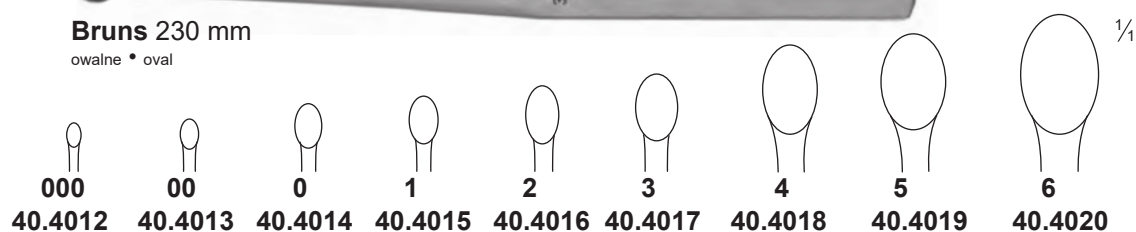
Bruns 170 mm
okragłe • round



Bruns 170 mm
owalne • oval



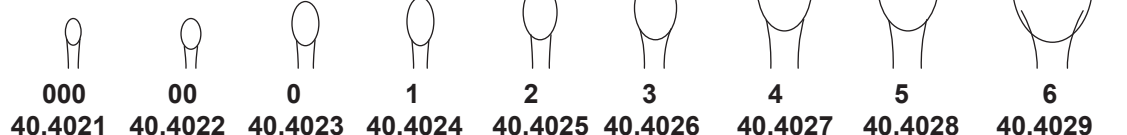
Bruns 230 mm
owalne • oval





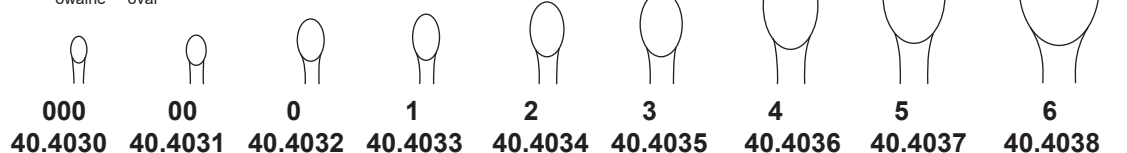
Brun's 230 mm

owalne • oval



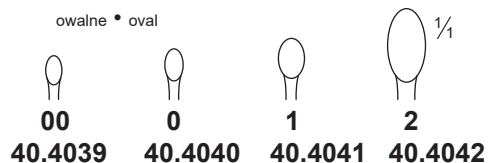
Brun's 230 mm

owalne • oval



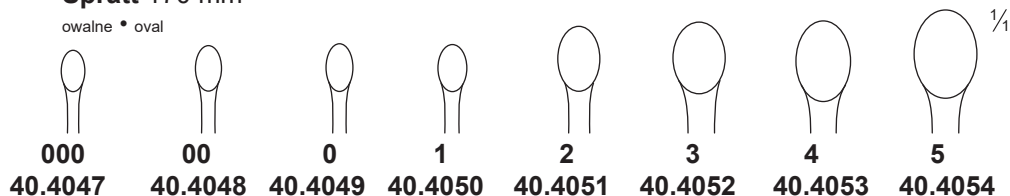
Willinger 170 mm

owalne • oval



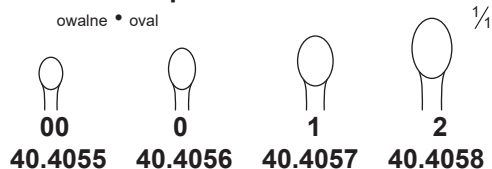
Spratt 170 mm

owalne • oval



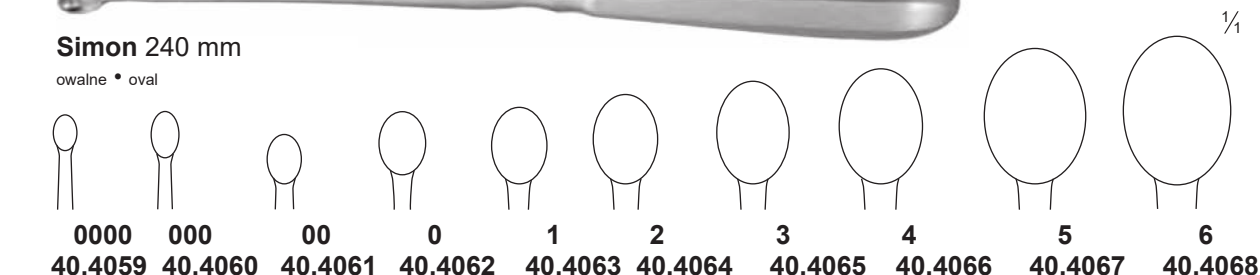
Daubenspeck 200 mm

owalne • oval



Simon 240 mm

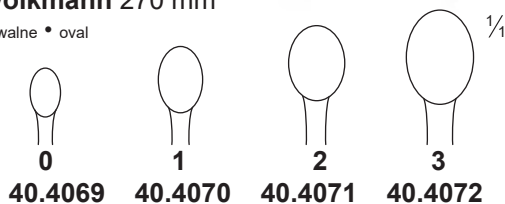
owalne • oval





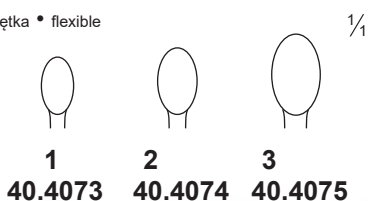
Volkmann 270 mm

owalne • oval



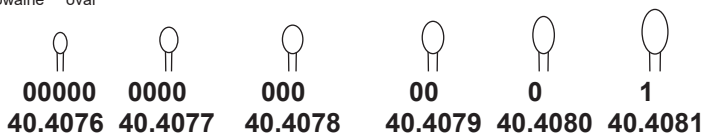
Halle 210 mm

giętka • flexible



Lempert 210 mm

owalne • oval



**Volkmann 130 mm
40.4082**



**Volkmann 160 mm
40.4083**



**Jansen 150 mm
40.4085**



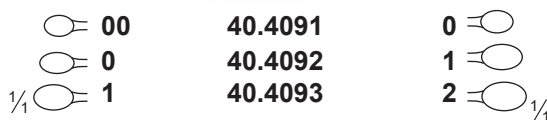
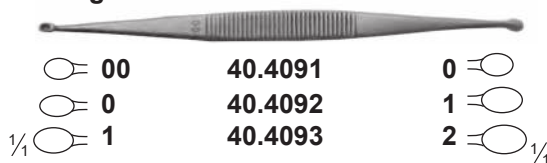
**Jansen 160 mm
40.4086**



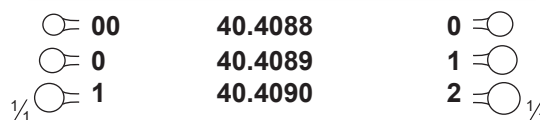
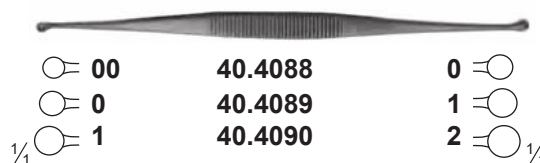
**Jansen 140 mm
40.4087**



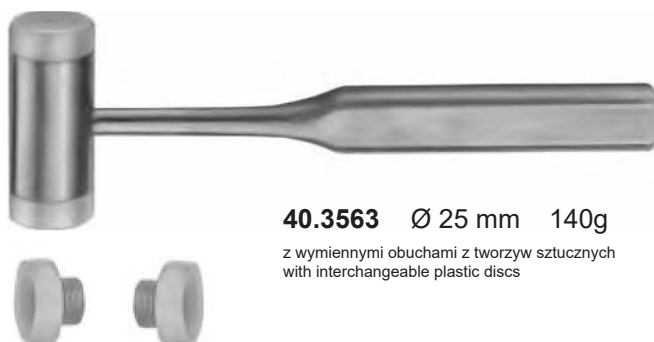
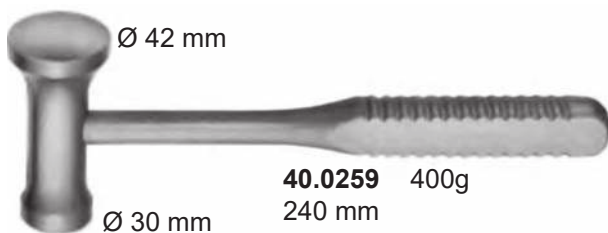
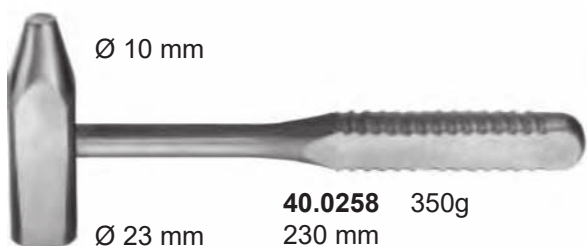
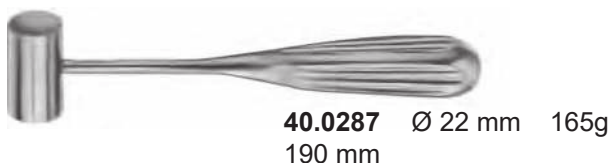
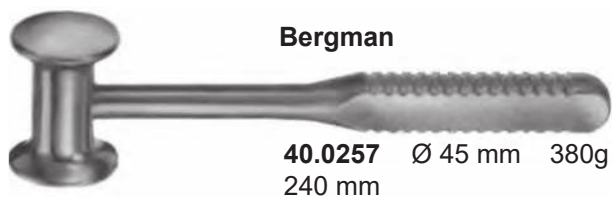
Willinger 135 mm



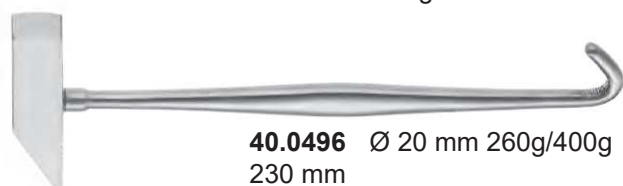
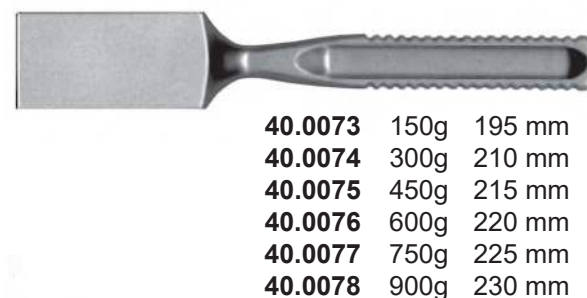
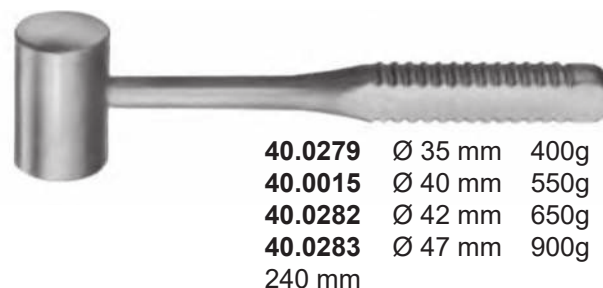
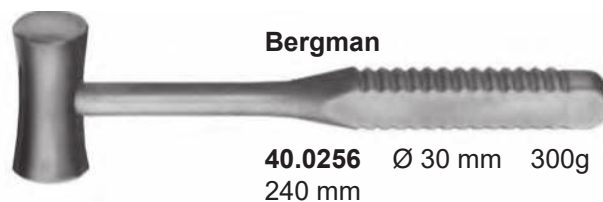
Martini 135 mm



**Volkmann
40.4084
200 mm**



40.3564
komplet obuchów
pair of spare discs




Lambotte

40.0425 5 mm
40.0426 10 mm
40.0427 15 mm
40.0428 20 mm
40.0429 25 mm
210 mm

13 mm


Farabeuf

40.0430
150 mm

13 mm


Farabeuf

40.0431
150 mm

17 mm


Langenbeck

40.0538
190 mm

14 mm


Langenbeck

40.0539
180 mm

8 mm



30.4066
170 mm

7 mm



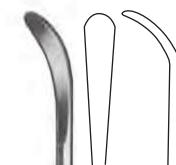
30.4067
170 mm

7 mm



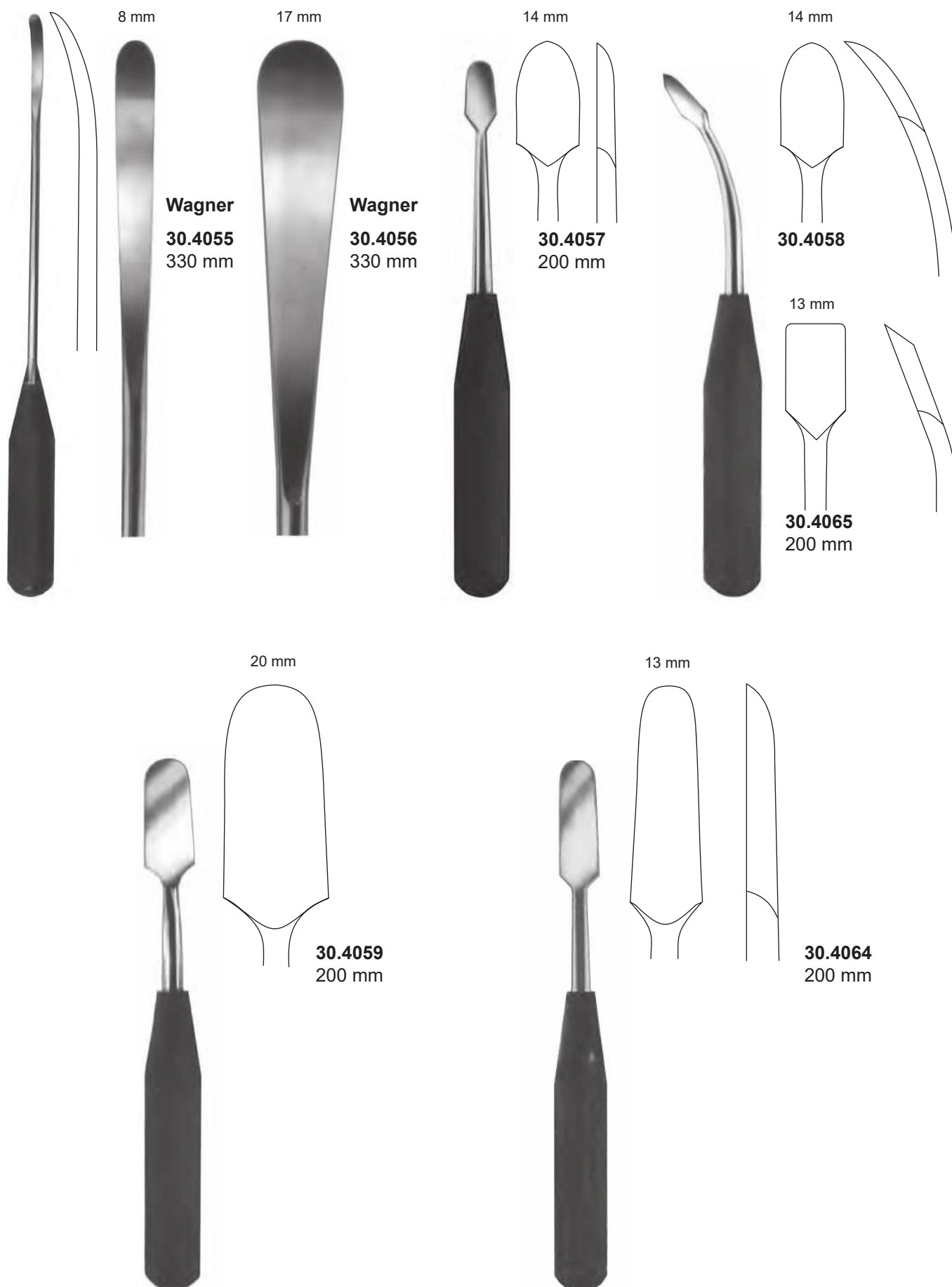
30.4068
170 mm

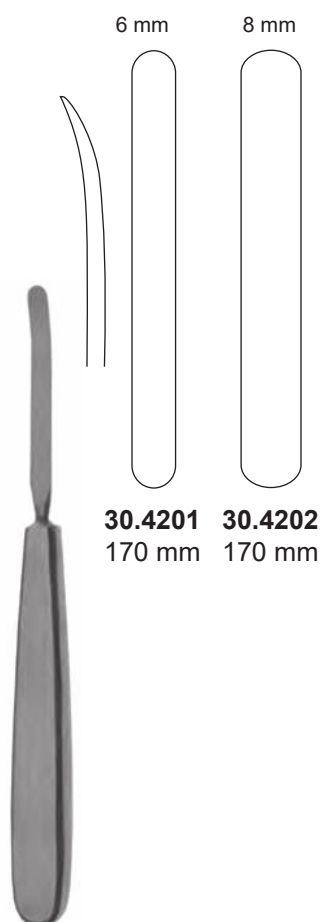
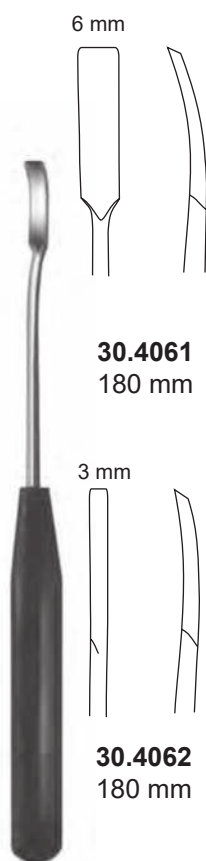
7 mm

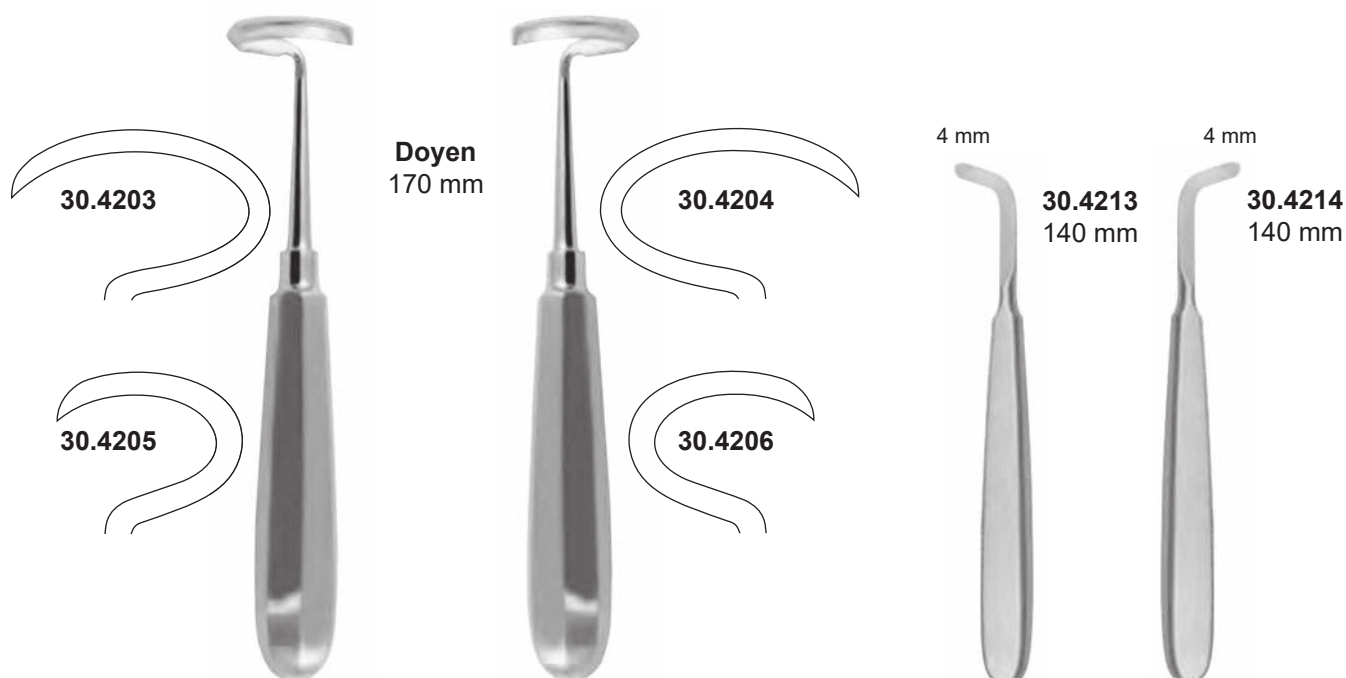


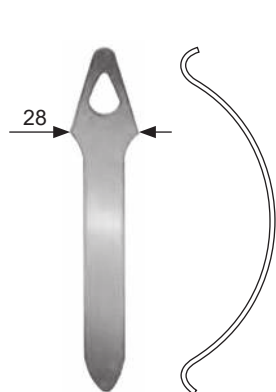
30.4069
170 mm

Adson

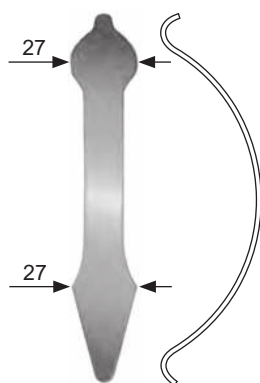




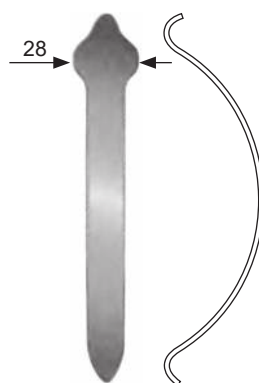




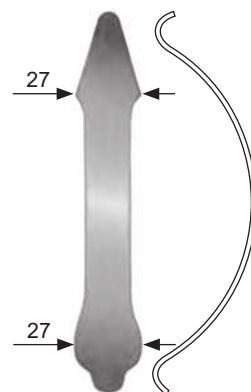
40.1207
155 mm



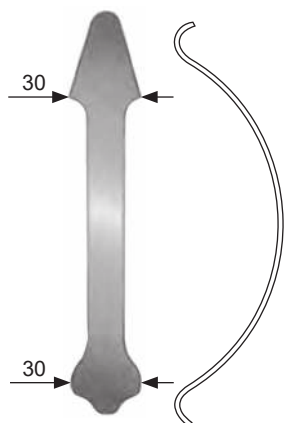
40.1208
165 mm



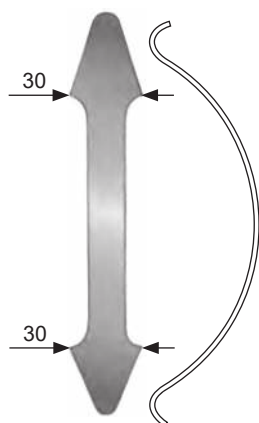
40.1209
165 mm



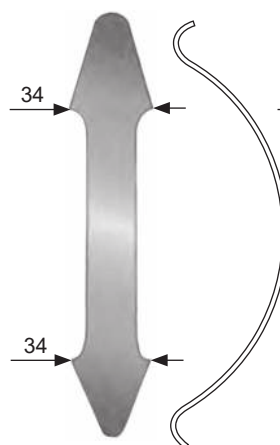
40.1210
170 mm



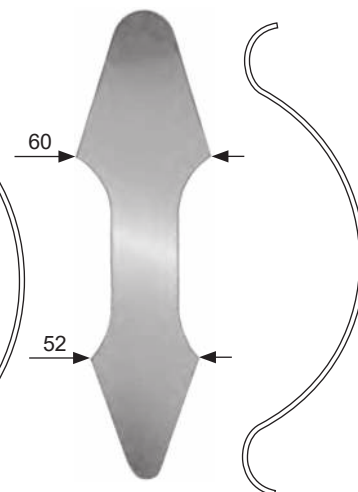
40.1211
180 mm



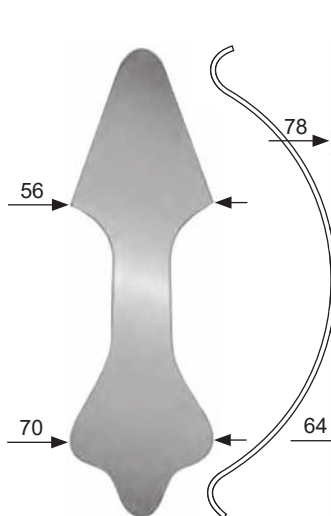
40.1212
180 mm



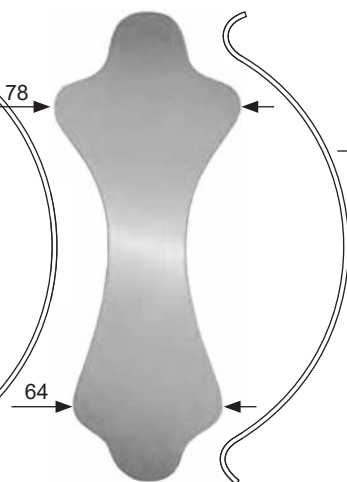
40.1213
190 mm



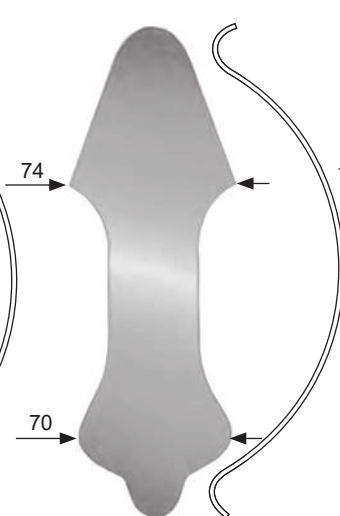
40.1214
210 mm



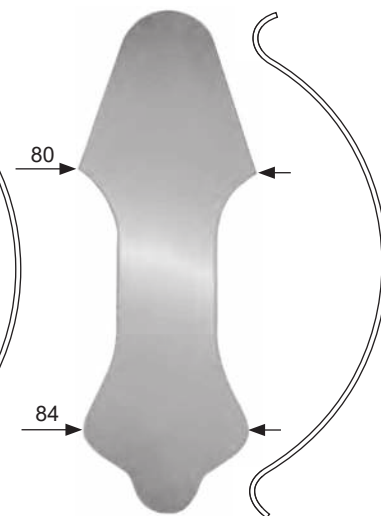
40.1215
210 mm



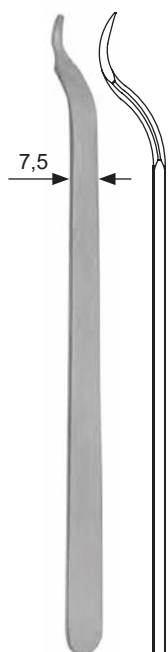
40.1216
210 mm



40.1217
220 mm

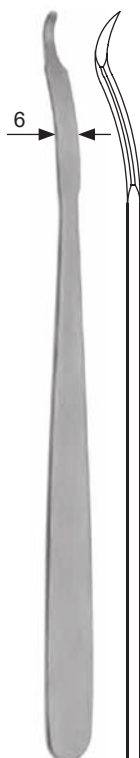


40.1218
225 mm



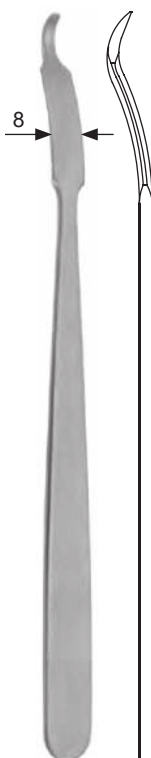
Buck-Gramcko

40.2185
150 mm



Mini-Hohmann

40.2186
160 mm



40.2187
160 mm



40.2188
125 mm



Lange-Hohmann

40.2189
260 mm

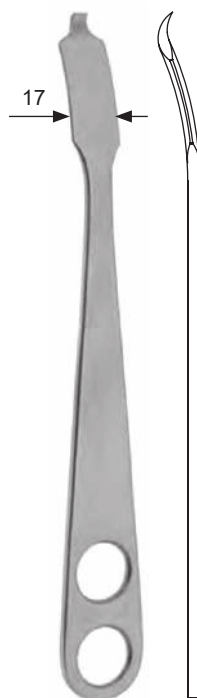


Lange-Hohmann modyf.

40.2190
265 mm

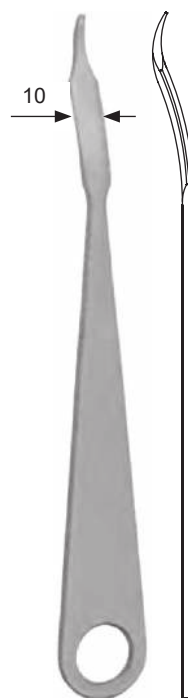


40.2191
290 mm



Wagner

40.2192
220 mm



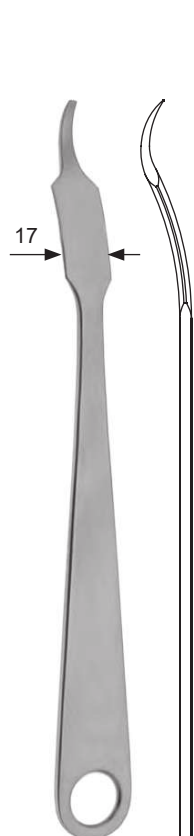
Hohmann

40.2193
220 mm



Hohmann

40.2194
240 mm



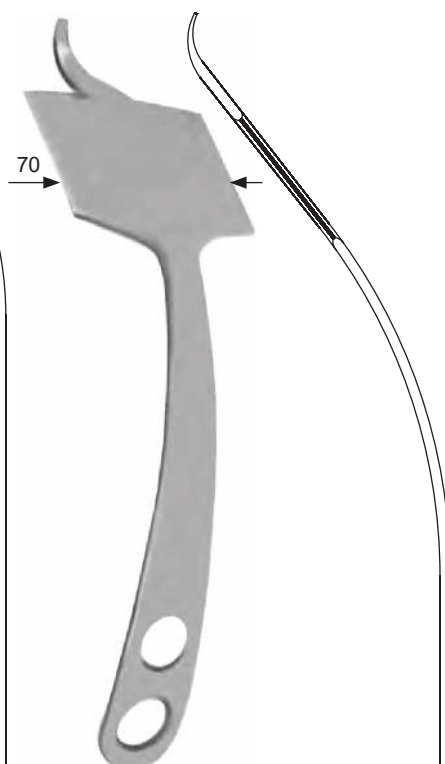
Hohmann
40.2195
240 mm



Hohmann - Aldinger
40.2196
270 mm



Hohmann
40.2197
240 mm



Hohmann
40.2198
240 mm



Hohmann
40.2199
270 mm



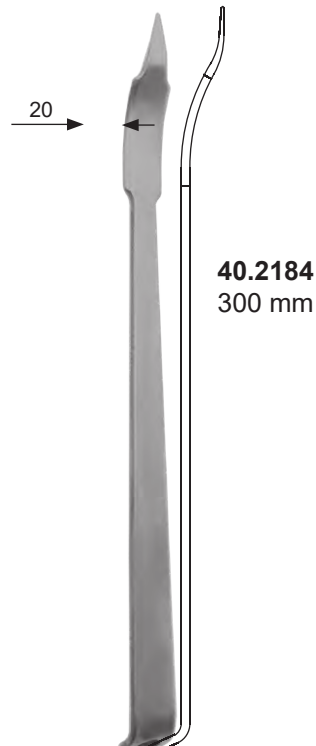
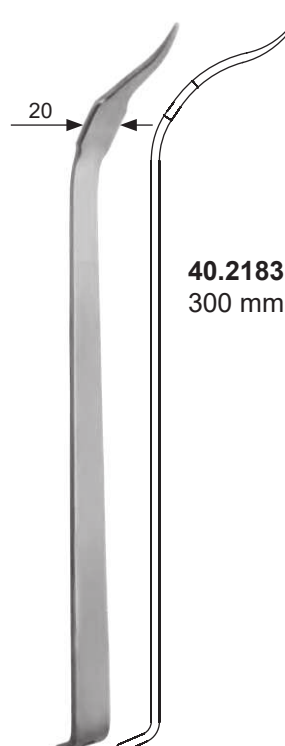
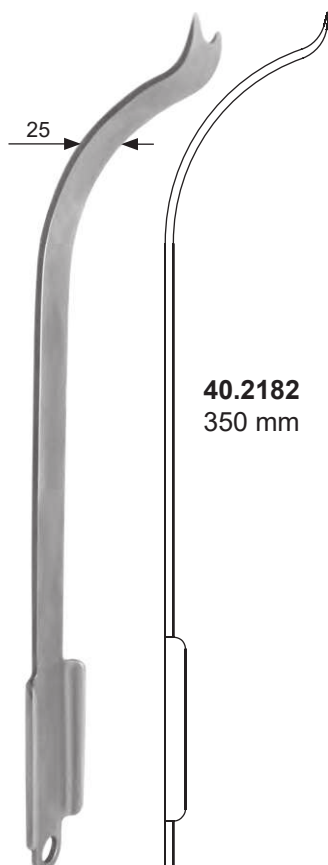
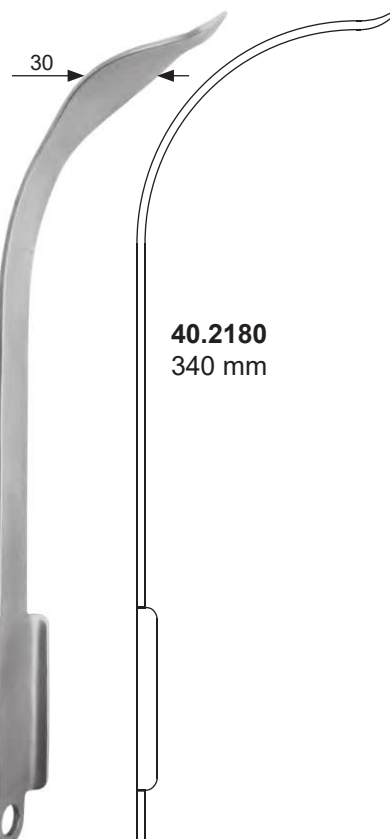
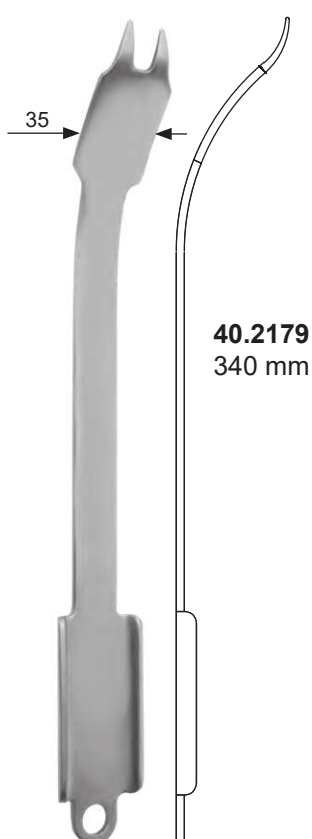
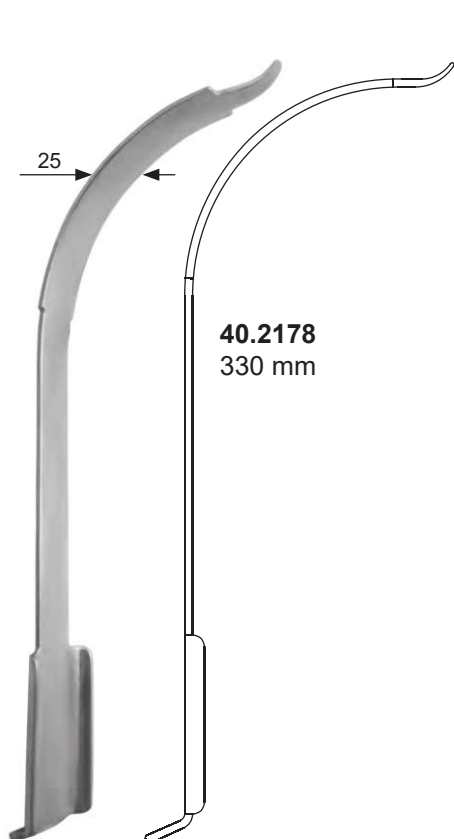
Hohmann
40.2200
260 mm



Hohmann
40.2201
280 mm



Bennet
40.2203 45 mm
40.2204 65 mm
240 mm





40.7215.000
400 mm



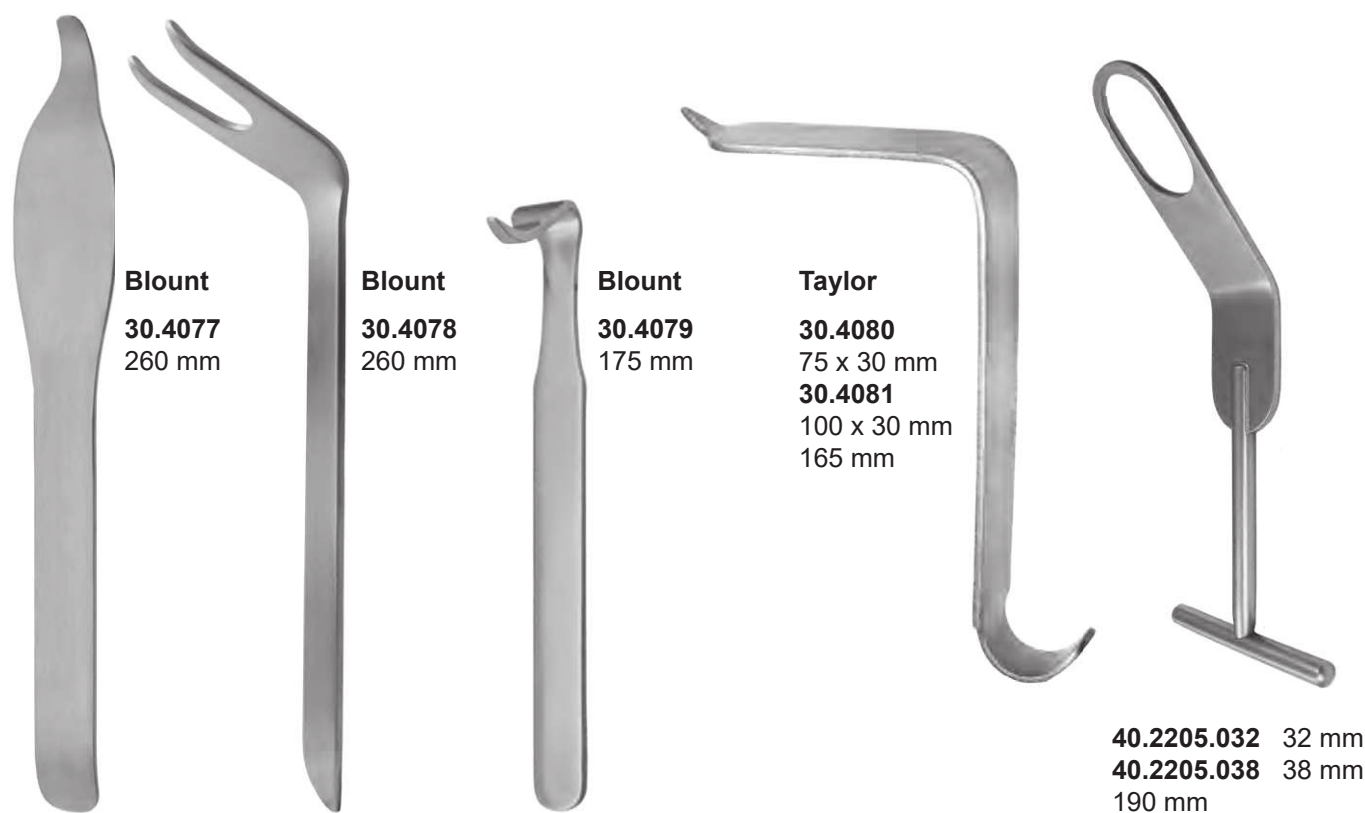
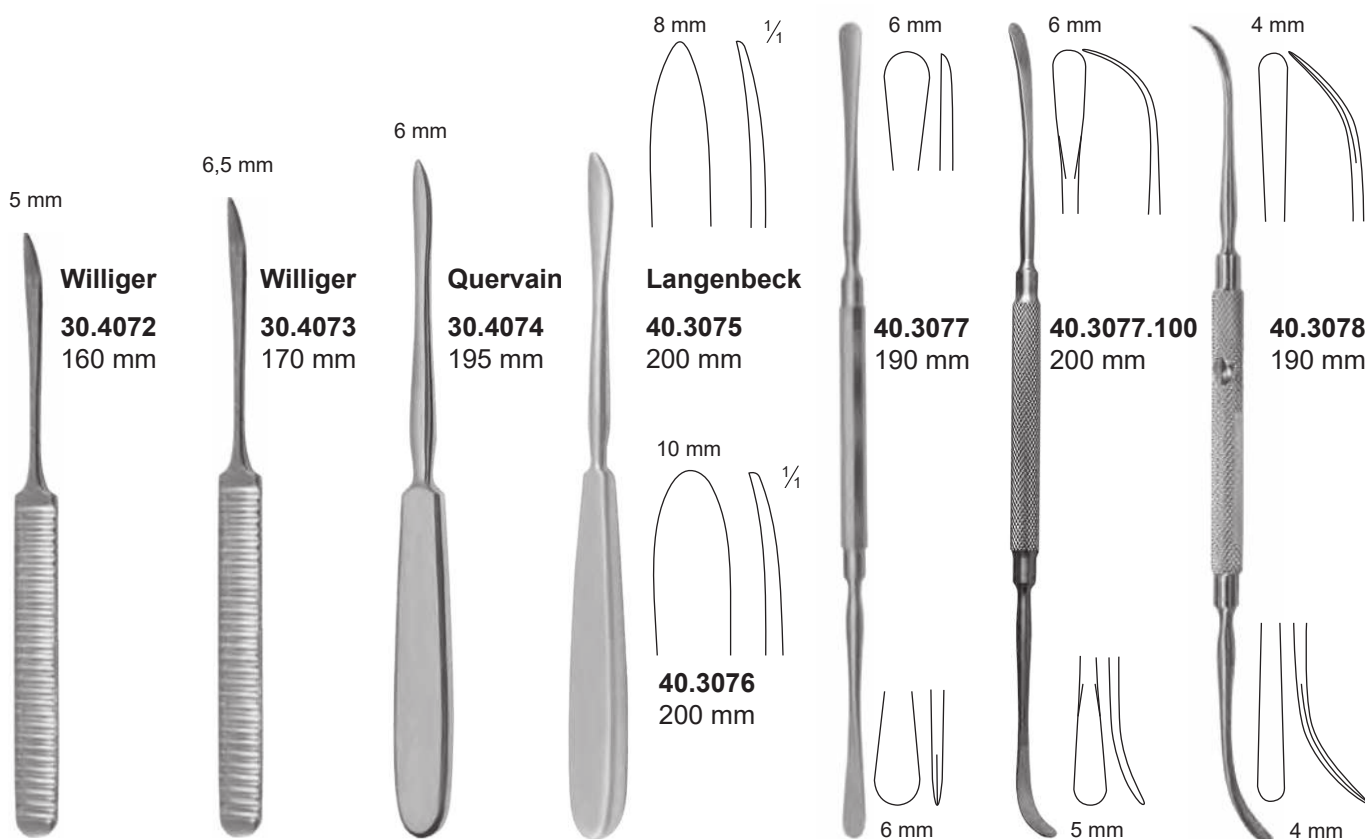
40.7215.130
300 mm

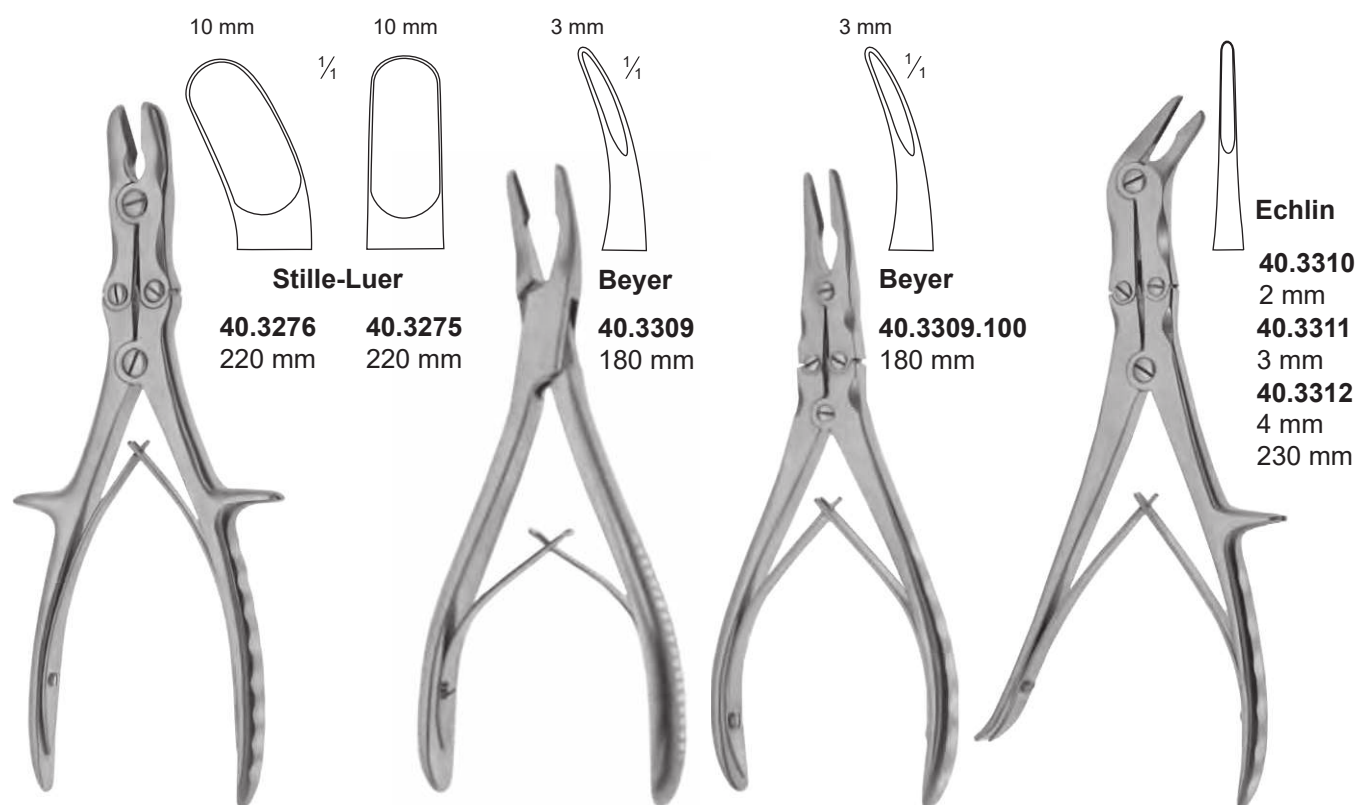
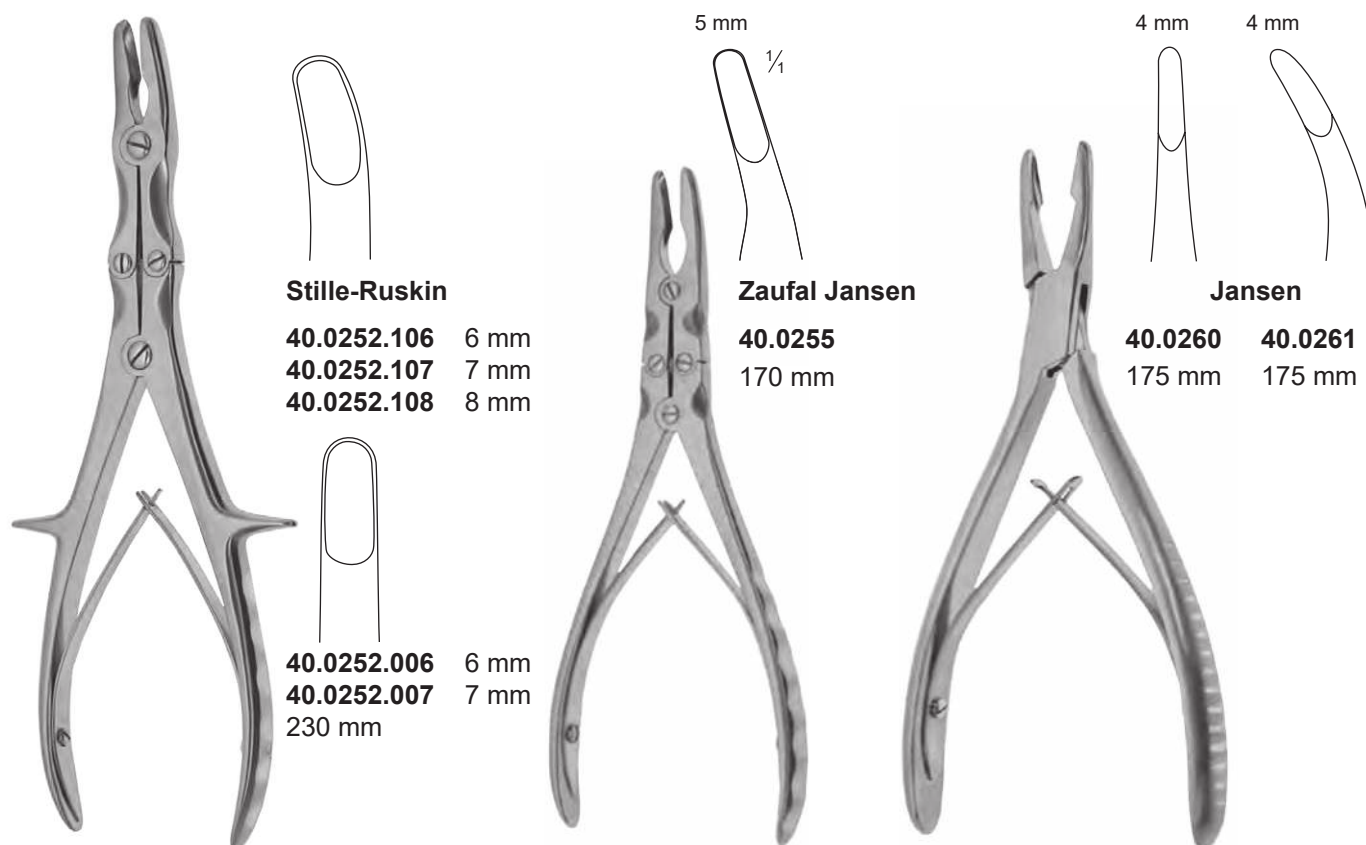


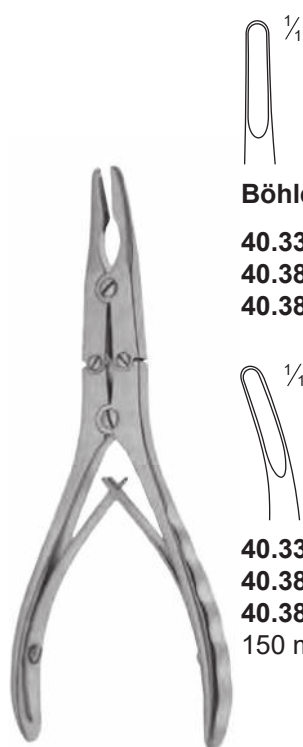
40.7232.000
350 mm



40.7234.000
280 mm







Böhler

40.3313 3 mm
40.3802 4 mm
40.3803 5 mm



40.3314 3 mm
40.3804 4 mm
40.3805 5 mm
150 mm



Ruskin

40.3315 4 mm
40.3316 5 mm
40.3317 6 mm

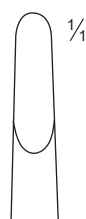


40.3318 4 mm
40.3800 5 mm
40.3801 6 mm
180 mm



Frykholm

40.3806
240 mm

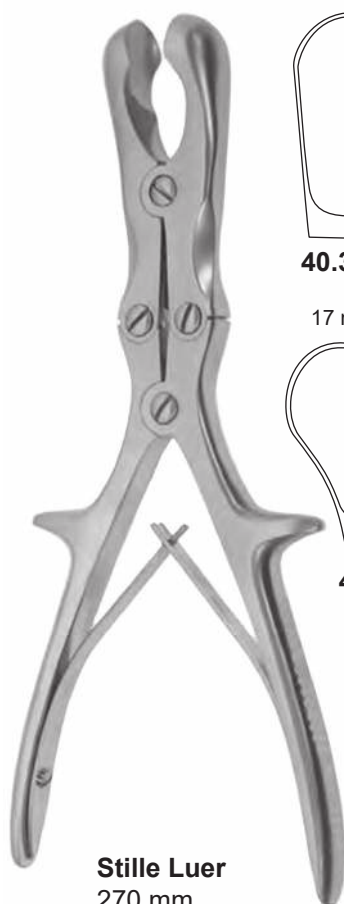


Rottgen-Ruskin

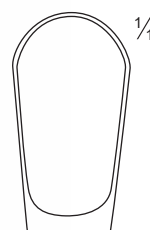
40.3337.004 4 mm
40.3337.005 5 mm
40.3337.006 6 mm
240 mm



40.3338.004 4 mm
40.3338.005 5 mm
40.3338.006 6 mm
240 mm



17 mm



40.3807

17 mm

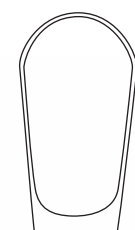


40.3808

Stille Luer
270 mm

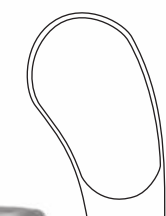


17 mm



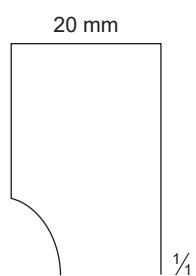
40.3809.100

17 mm



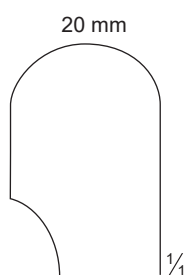
40.3809

Semb
230 mm



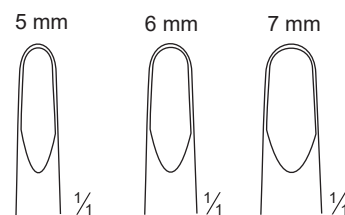
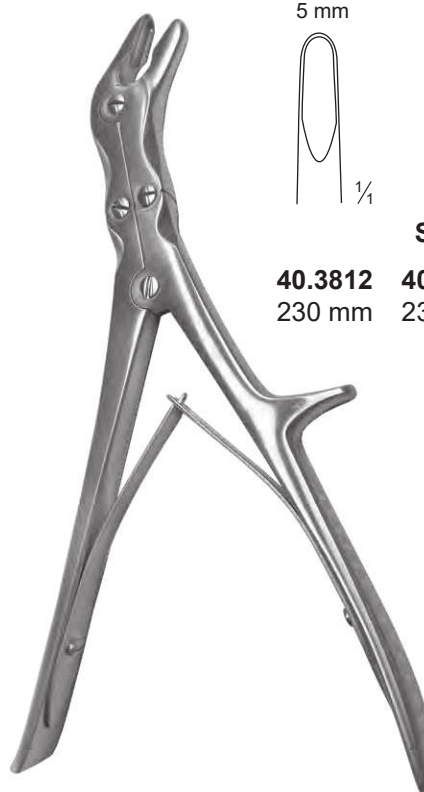
Sauerbruch

40.3810



40.3811

310 mm

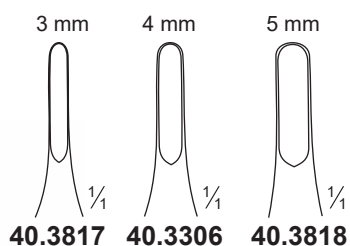


Stille

40.3812
230 mm

40.3813
230 mm

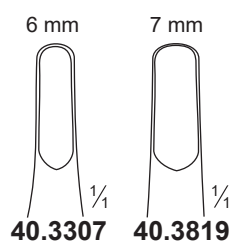
40.3814
230 mm



40.3817

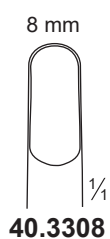
40.3306

40.3818



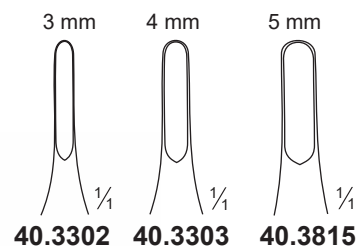
40.3307

40.3819



40.3308

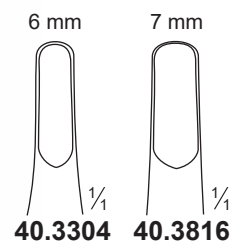
Leksell
240 mm



40.3302

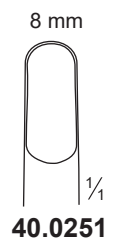
40.3303

40.3815



40.3304

40.3816



40.0251

Leksell
240 mm



Sybert
360 mm

3 mm



40.3339.003

5 mm

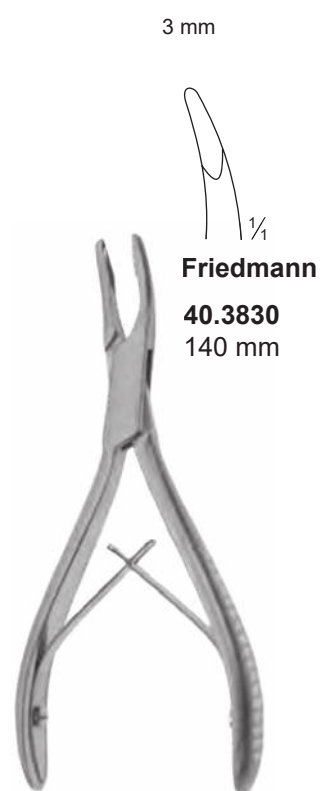
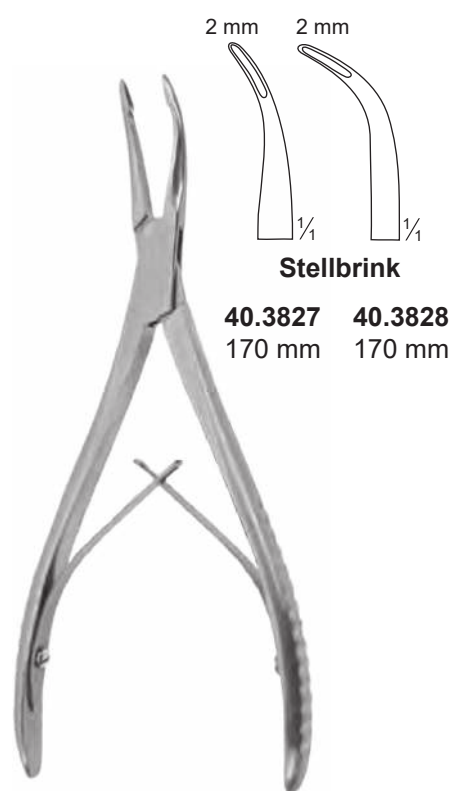
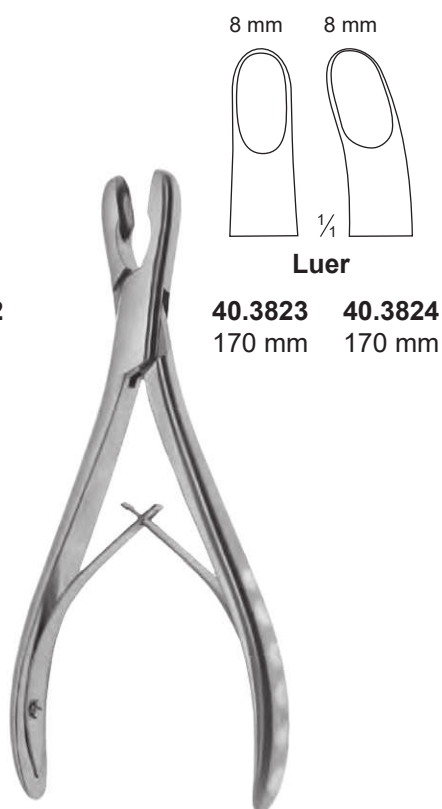
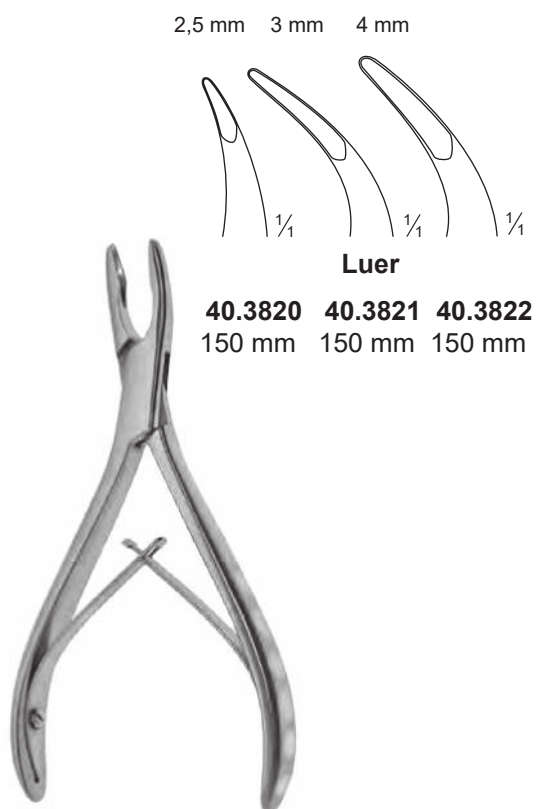


40.3339.005

8 mm



40.3339.008



1,5 mm



Micro-Friedmann

40.3831
140 mm



4 mm



Cleveland

40.3832
140 mm

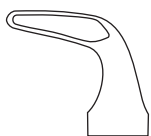
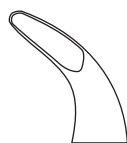


4,5 mm



Cleveland

40.3833
170 mm



Blumenthal

40.3834
30°
155 mm

40.3835
45°
150 mm

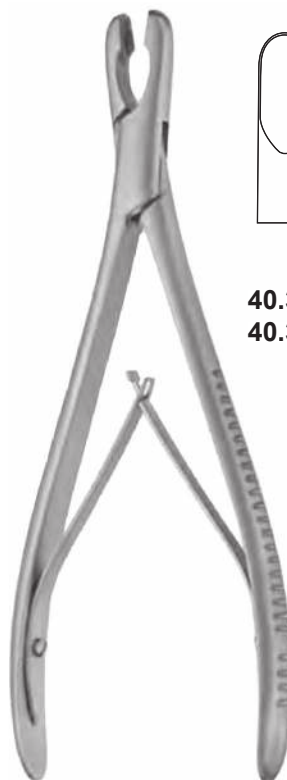
40.3837
90°
155 mm

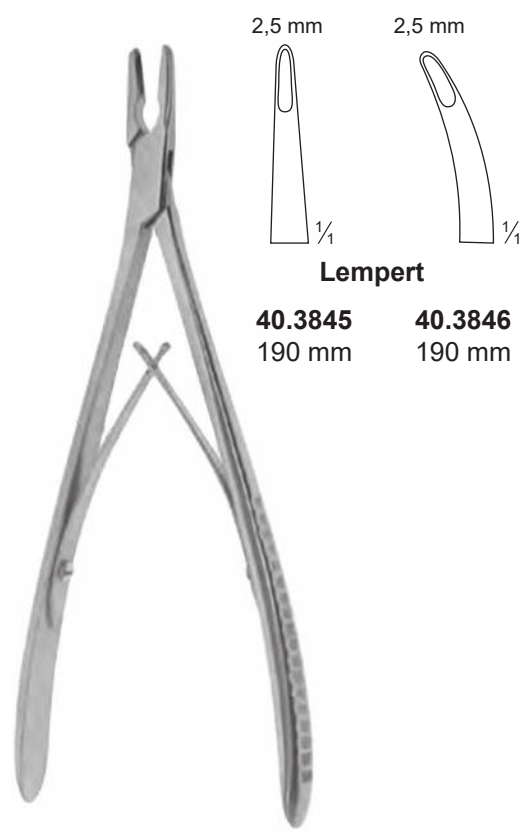
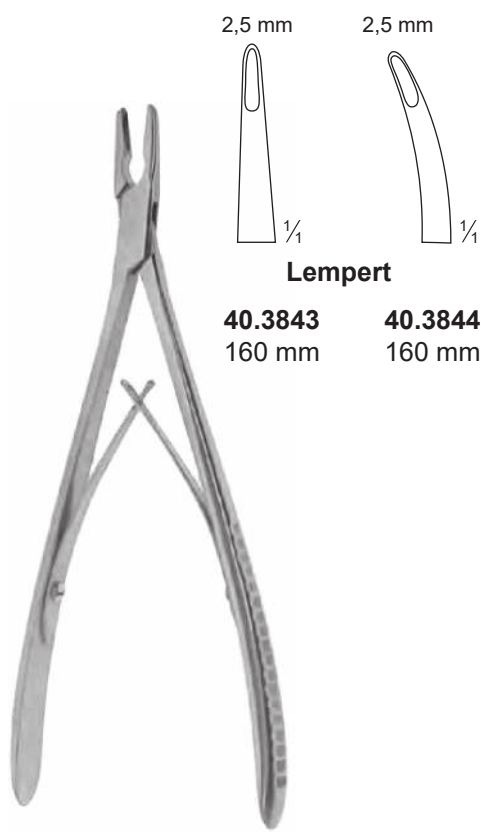


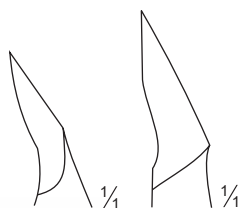
Adson

40.3838
40.3839

7 mm
8 mm
40.3840
40.3841
200 mm

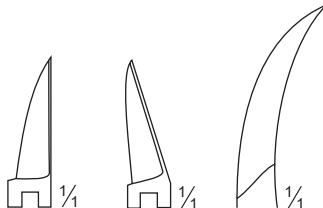






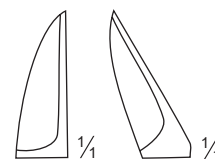
Cleveland

40.3895 40.3896
150 mm 170 mm



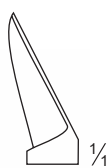
Böhler

40.3897 40.3898 40.3899
150 mm 150 mm 150 mm



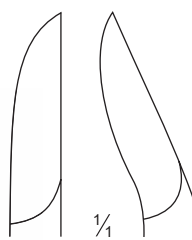
Liston mini

40.3900 40.3901
150 mm 150 mm



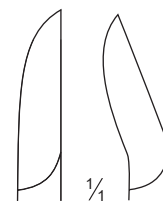
Mc Indoe

40.3902
170 mm



Ruskin

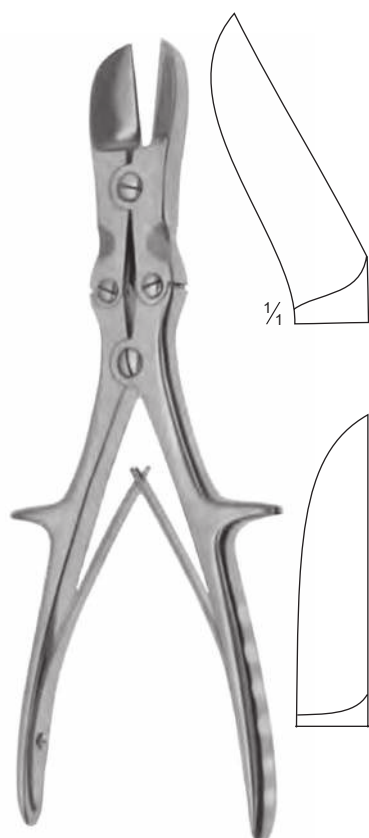
40.3903 40.3904
180 mm 180 mm



Ruskin-Liston

40.3566 40.3567
180 mm 180 mm





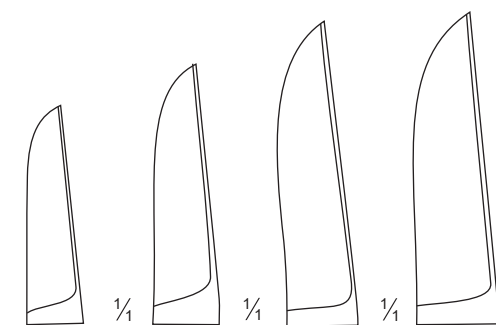
Stille-Liston

40.3907 270 mm
40.3922 230 mm

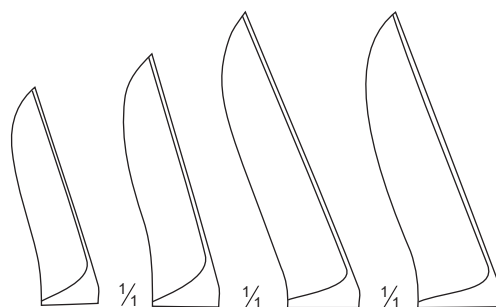
40.3908 270 mm
40.3921 230 mm



Liston



40.3909 140 mm **40.3910** 170 mm **40.3911** 200 mm **40.3912** 220 mm



40.3913 140 mm **40.3914** 170 mm **40.3915** 200 mm **40.3916** 220 mm



Liston Key

40.3905
270 mm



Stille-Liston

40.3906
270 mm

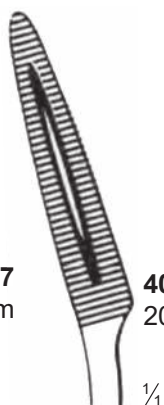


Semb

40.3917
230 mm



40.4147
200 mm

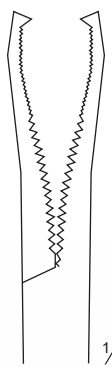


40.4148
200 mm

40.4149
120 mm

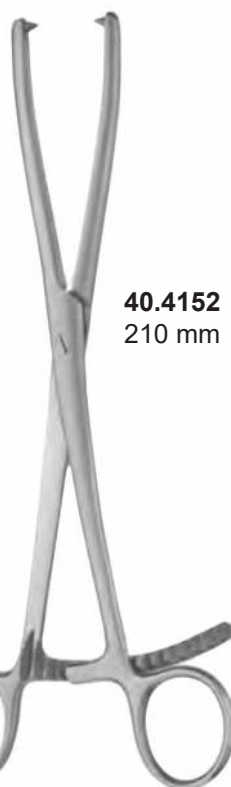
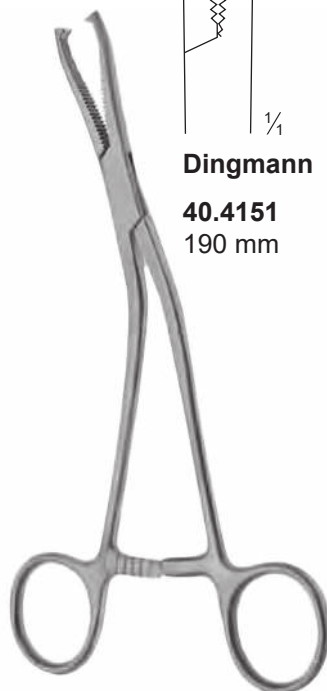


40.4150
135 mm



Dingmann

40.4151
190 mm



40.4152
210 mm



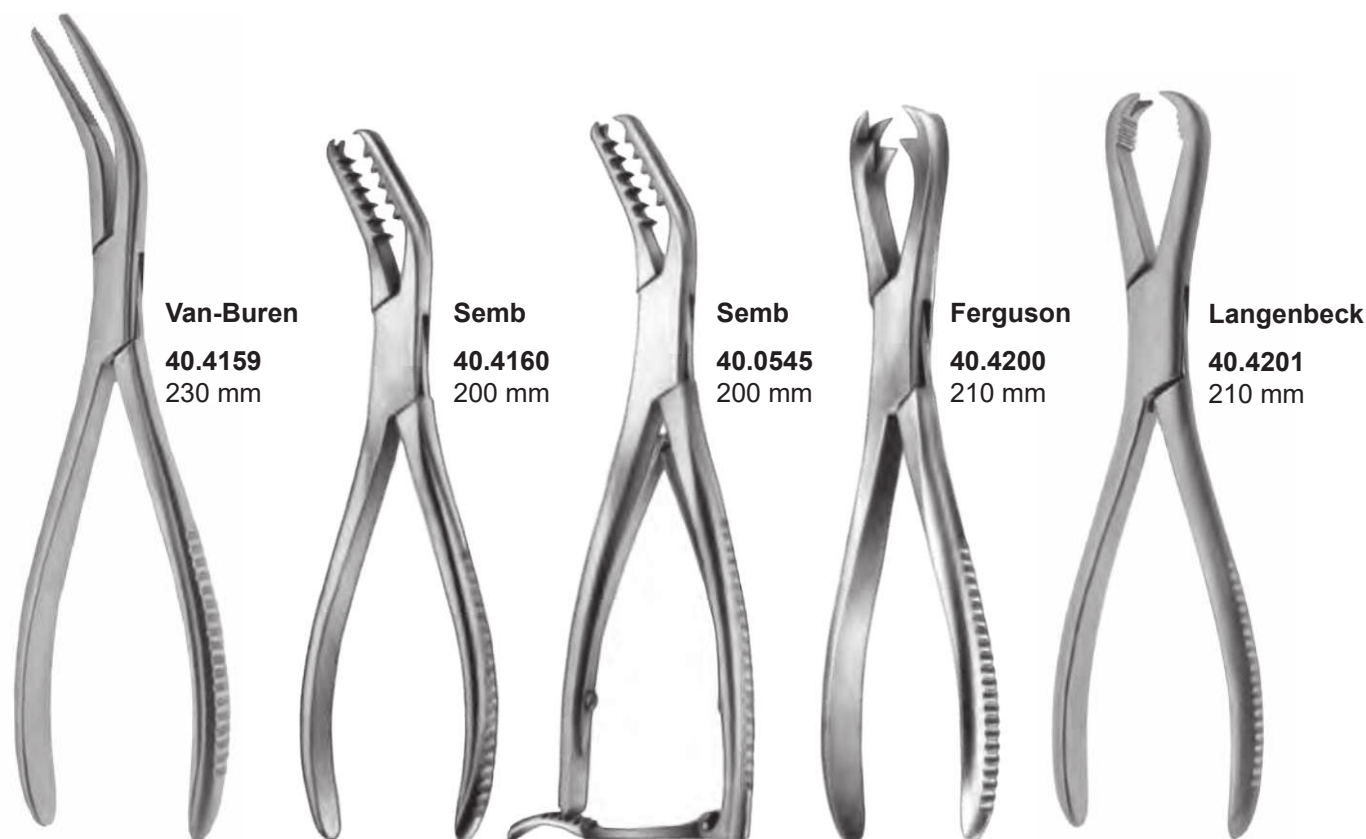
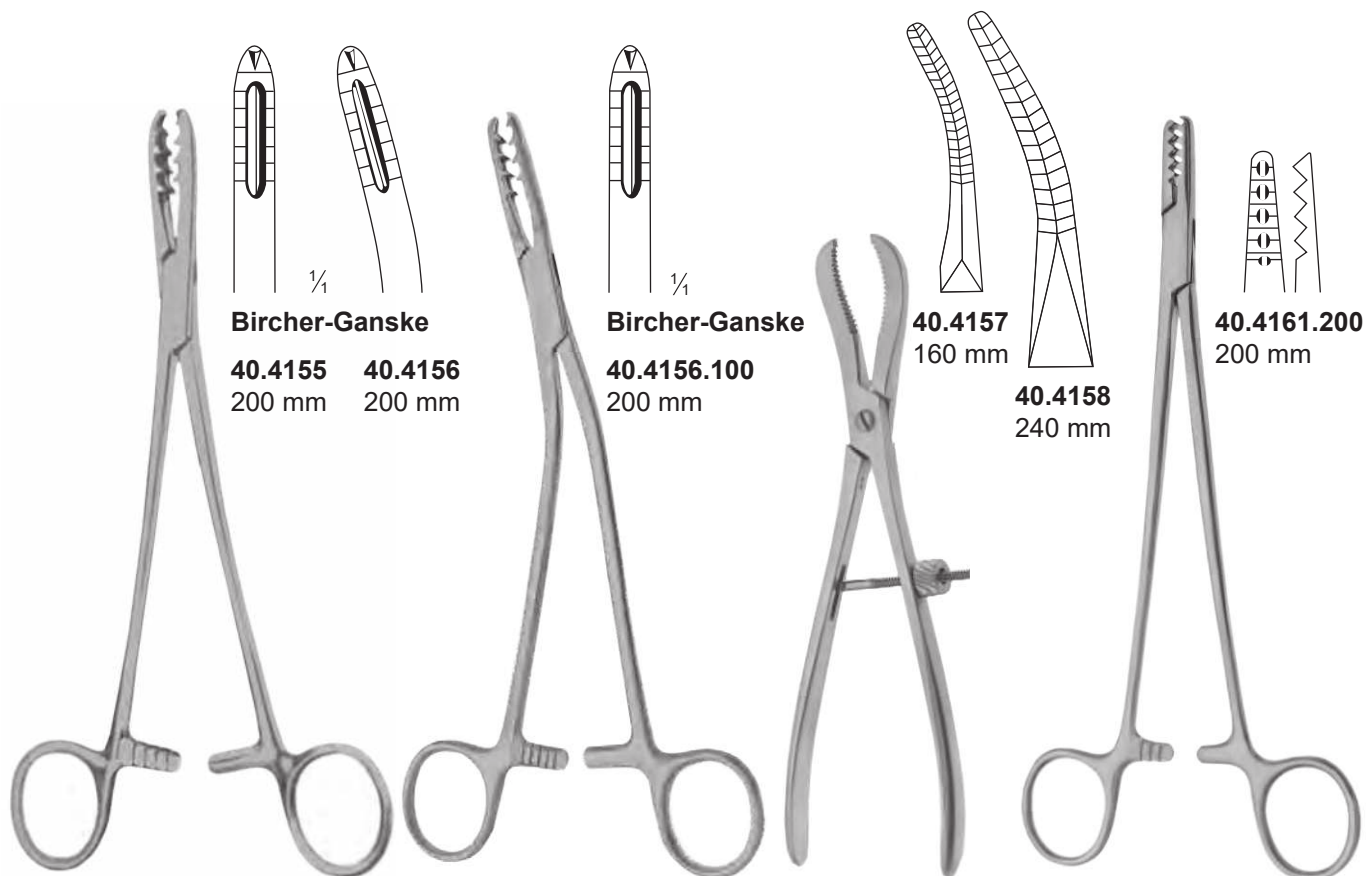
40.4153
140 mm



Lewin

40.4154
175 mm







Farabeuf

40.4202 230 mm
40.4203 260 mm

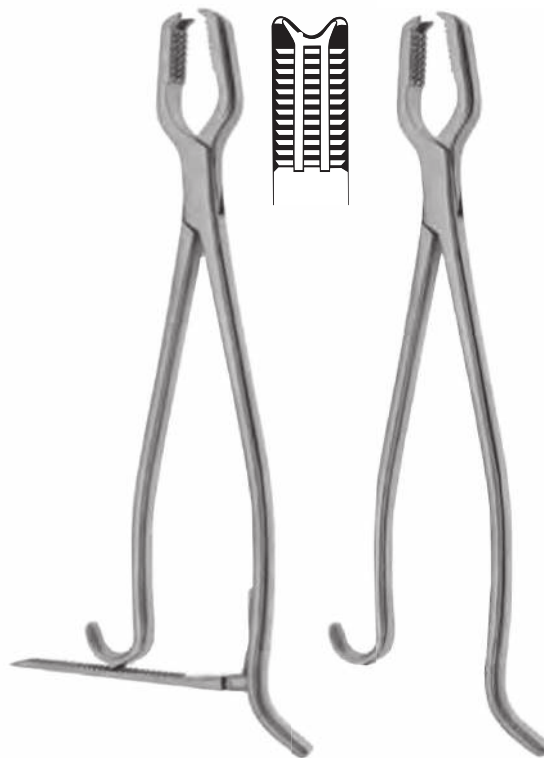


Farabeuf-Lambotte

40.6016 200 mm
40.4204 260 mm



40.4205
200 mm



Kern

40.4208 150 mm **40.4209**
40.4206 170 mm **40.4210**
40.4207 210 mm **40.4211**



40.7261
170 mm



40.7262.001
160 mm

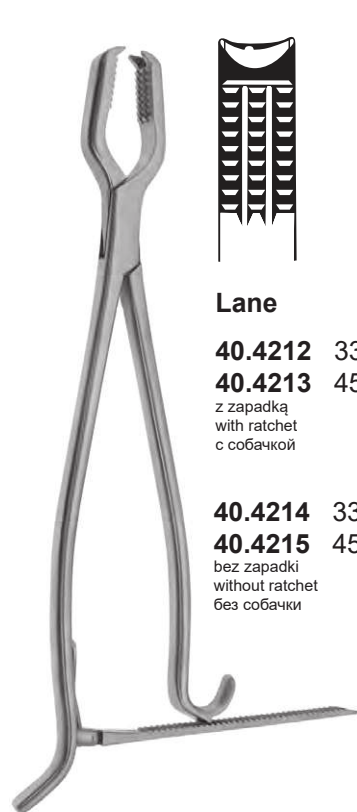
40.7262.002
160 mm



40.7262
180 mm



40.7263
205 mm



Lane

40.4212 330 mm

40.4213 450 mm

z zapadką
with ratchet
с собачкой

40.4214 330 mm

40.4215 450 mm

bez zapadki
without ratchet
без собачки



Lambotte

40.4216 220 mm

40.4217 260 mm

40.4218 330 mm



Lambotte

40.4219

220 mm

40.4220

260 mm

40.4221

330 mm



Lambotte

40.4222

190 mm

40.4223

230 mm

40.4224

260 mm



Verbrugge

40.4229 2,5 mm

150 mm

40.4230 6,5 mm

190 mm

40.4231 9,5 mm

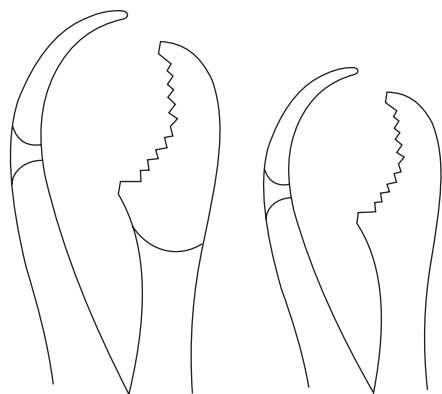
240 mm

40.4232 10 mm

260 mm

40.4233 11 mm

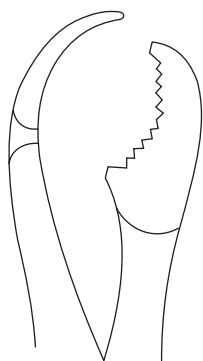
280 mm



40.4227
270 mm

1/1

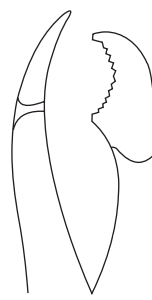
40.4225
250 mm



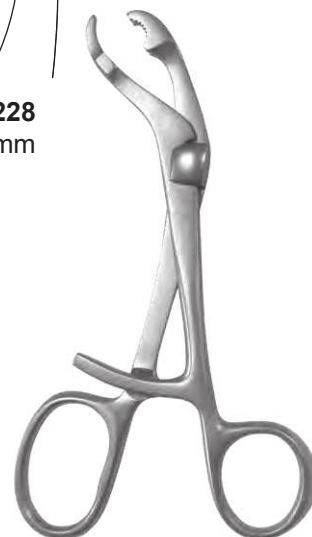
40.4226
260 mm



Verbrugge



40.4228
175 mm



Verbrugge-Baby



Ulrich

nr 0 **40.0100**
nr 1 **40.0101**
nr 2 **40.0102**
nr 3 **40.0103**



Ulrich

nr 0 **40.0415**
nr 1 **40.0416**
nr 2 **40.0417**
nr 3 **40.0418**



Ulrich

nr 0 **40.0420**
nr 1 **40.0421**
nr 2 **40.0422**
nr 3 **40.0423**



nr 0
180 mm

1/1

nr 1
210 mm



nr 2
220 mm



nr 3
250 mm



Lowman-Baby

40.4234 130 mm

Lowman-Hougland

40.4235 180 mm



Gester-Lowman

40.4236 120 mm

40.1100 180 mm

40.1101 200 mm

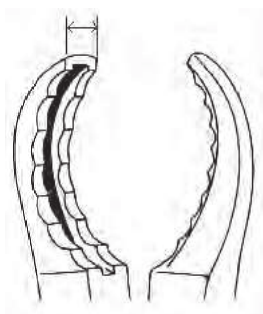
40.1102 220 mm



Gerster

40.4243

150 mm



Hey-Groves

40.1103 6,5 mm
210 mm

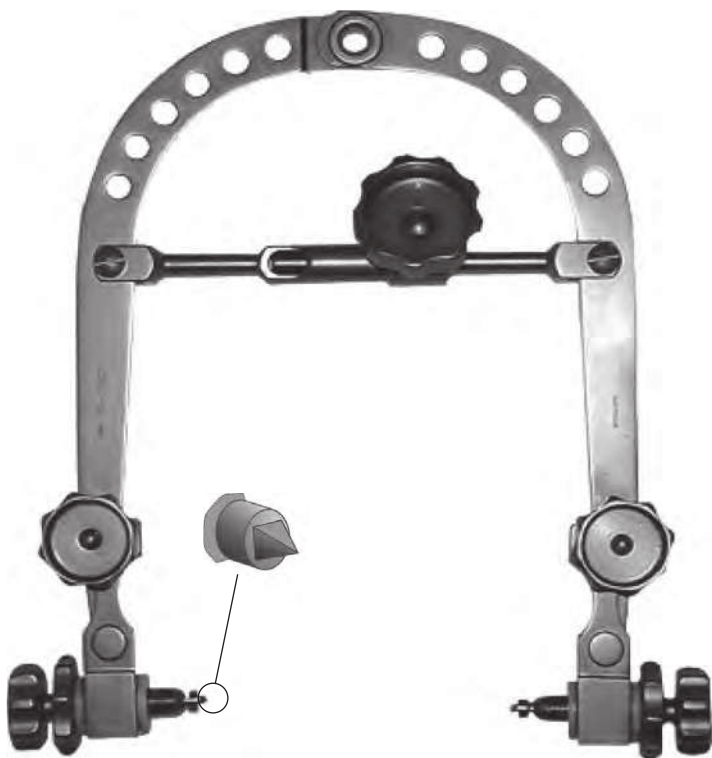
40.1104 7,5 mm
270 mm

40.1105 8,5 mm
305 mm

Klamra do manipulacji repozycyjnej i wyciągu długotrwałego. Ostre zakończenia zaczepów czaszkowych oraz zastosowanie mechanizmów śrubowych do regulacji wgłębienia eliminują użycie specjalnych wiertel do nawiercania zewnętrznej warstwy kości. Konstrukcja zaczepów uniemożliwia nadmierne ich zagłębienie w czaszce.

Skull traction tong is intended for reposition and prolonge traction. Sharp-ended pins and screw gears for hollow regulation eliminate using special drill for spotting the outer layer bone. The pin construction protects from excessive hollow of pins.

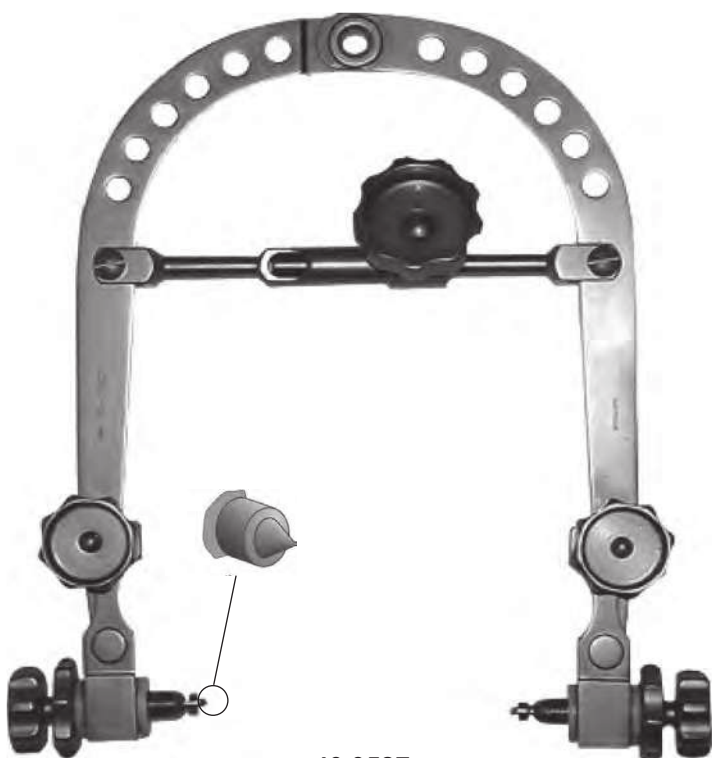
W skład zestawu wchodzi:
Kit consists of:
40.0619
Hak wyciągowy
Traction hook



40.0586



Klucz
Wrench
Ключ
40.0621
SW 10x17



40.0587



40.0610



Klucz
Wrench

40.0621
SW 10x17



Hak wyciągowy
Traction hook

40.0619



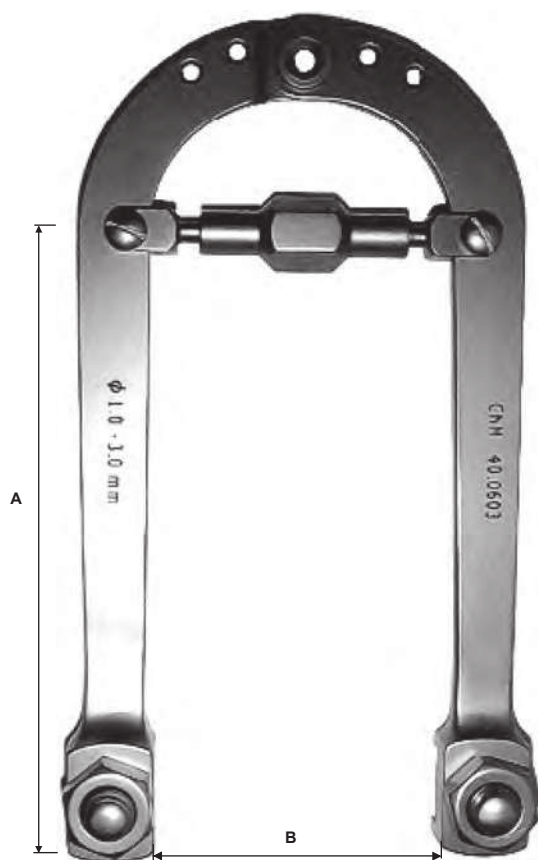
Ciężarki do wyciągu
Traction weights

40.0835 0,5 kg
40.0836 1,0 kg
40.0837 2,0 kg



Uchwyt do ciężarków
Weight shank

40.0839



	A	B	Klucz Wrench
40.0603	~ 100 mm	40 mm - 125 mm	40.6069 SW 14x17
40.0604	~ 120 mm	60 mm - 160 mm	
40.0605	~ 160 mm	75 mm - 200 mm	40.8709 SW 19x14

**Ołowiana ręka**
Lead hand**30.4053**dla dzieci
for children**30.4054**dla dorosłych
for adults



Elektryczna piła oscylacyjna do cięcia opatrunków gipsowych

Electric plaster saw

Typ: EP2

40.5045.000



Klucz płaski S11

Open-end wrench S11

Ключ S11



WAŻNE:

Informujemy o wycofaniu z naszej oferty piły oscylacyjnej do gipsu oraz klucza płaskiego S11.

Jednocześnie w dalszym ciągu zapewniamy niezbędny serwis oraz dostęp do wyposażenia dodatkowego w postaci ostrzy.

Wyposażenie dodatkowe

Additional equipment

Аксессуары

Ostrza wymienne

Saw blades

40.0280 Ø50 mm

40.0281 Ø65 mm

Do gipsu syntetycznego

For synthetic plaster

40.0288 Ø50 mm

40.0289 Ø65 mm

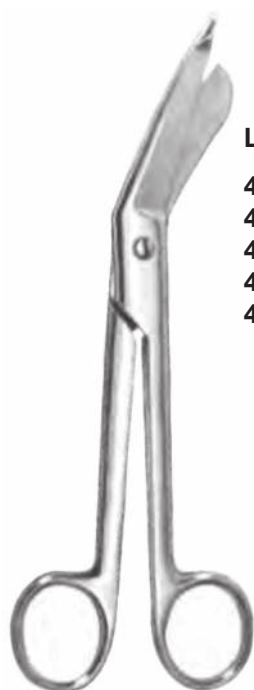


do gipsu syntetycznego • for synthetic plaster



utwardzane ostrza • hardened edges





Lister

40.4141 90 mm
40.4142 110 mm
40.4143 140 mm
40.4144 180 mm
40.4145 200 mm



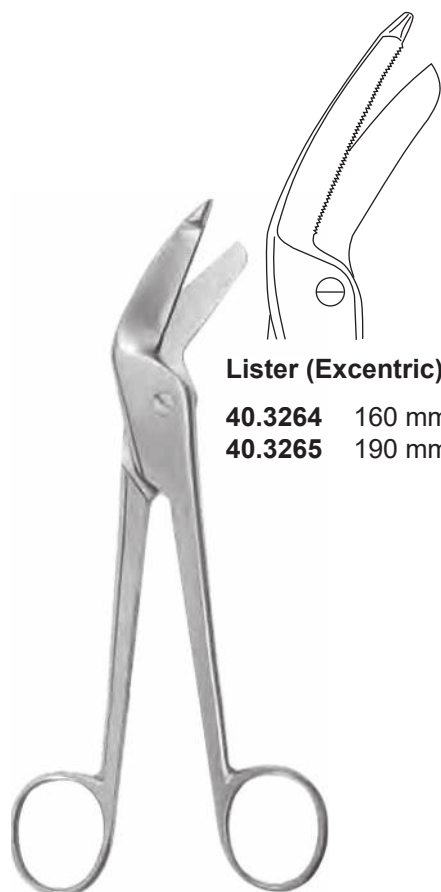
Lister

30.2505.140 140 mm
30.2505.000 180 mm
30.2505.200 200 mm
utwardzane ostrza
hardened edges



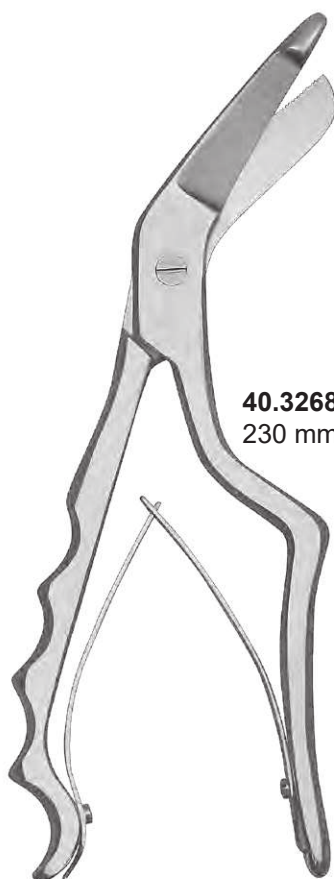
Lister

40.4144.001 180 mm
40.4145.001 200 mm

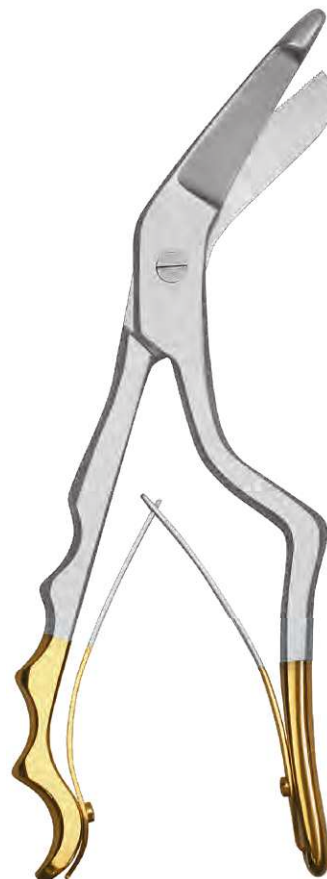


Lister (Excentric)

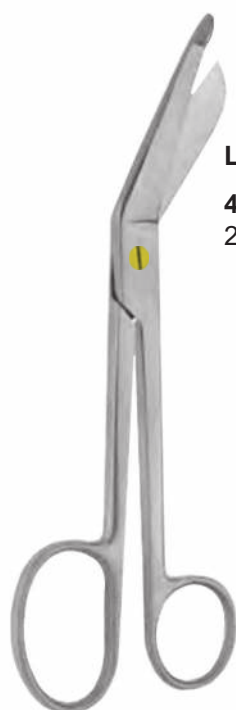
40.3264 160 mm
40.3265 190 mm



40.3268
230 mm



40.3269
230 mm
utwardzane ostrza
hardened edges



Lister
40.4145.001
200 mm



Lister (Excentric)
40.3264.200
160 mm
utwardzane ostrza
hardened edges

supercut • jedno ostrze tnące, drugie mikro-ząbkowane • with knife edge and micro-serrated edge



Mick
40.3266 175 mm
model damski
female pattern



Mick
40.3267 175 mm
model męski
male pattern





Esmarch

40.3284 200 mm
40.3285 230 mm



Seutin

40.3286
230 mm



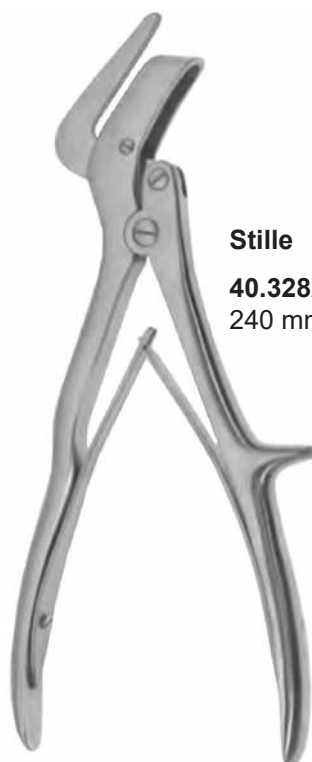
Bruns

40.3287
235 mm



Stille

40.3278 230 mm
40.3279 260 mm
40.3283 370 mm



Stille

40.3282
240 mm



Haglund-Stille

40.0544
280 mm



Wolf

40.0546 180 mm
40.0547 240 mm



Henning

40.3290
280 mm



Esmarch

40.0120
180 mm



Hopkins

40.3291
200 mm



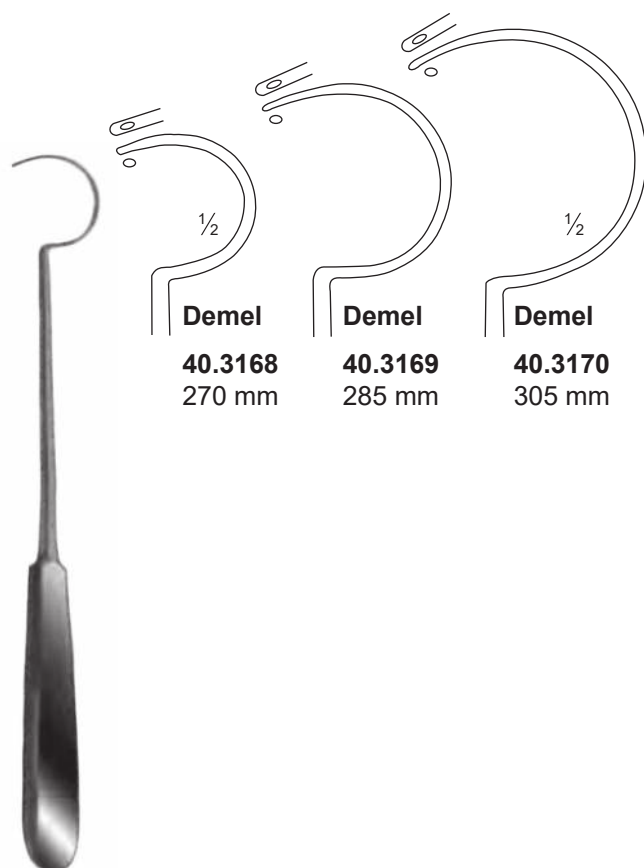
Reiner

40.3292
185 mm



Engel

40.3293



Demel
40.3168
270 mm

Demel
40.3169
285 mm

Demel
40.3170
305 mm



Demel
40.3171
240 mm

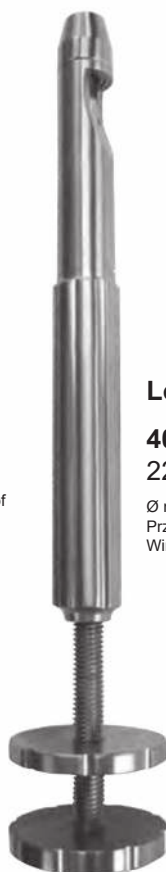


Demel
40.3172
270 mm



40.0434
190 mm

Ø max 1,2 mm
Przyrząd do zaciągania drutu
z pomiarem siły naciągu
Wire tensioning instrument with measurement of
tension force



Loute
40.0433
220 mm

Ø max 1 mm
Przyrząd do zaciągania drutu
Wire tightener



30.4130
280 mm
Przyrząd do
zaciągania drutu
Wire tightener



40.3194
180 mm



40.3195
180 mm
z cięciem bocznym
with side cutter
ø 1,6 mm



40.3196.180 180 mm
40.3196.200 200 mm
40.3196.240 240 mm

z regulowanym
zaciskiem
with regulating screw



40.3197.220 220 mm
40.3197.250 250 mm
40.3197.300 300 mm

z regulowanym
zaciskiem
with regulating screw



40.3198
220 mm
z pobijakiem
with mallet
с молотком



40.3185
170 mm



40.3186
170 mm



40.4443
190 mm



30.4223
180 mm



30.4220



30.4221
180 mm



30.4222



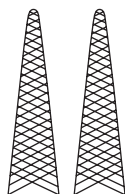
30.4220.100



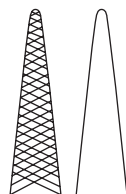
30.4221.100
180 mm
utwardzane ostrza
hardened edges



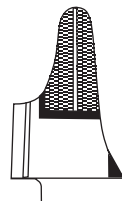
40.4445
140 mm
tępe
blunt



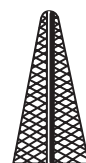
40.4444
140 mm
ostre
sharp



40.4444.100
140 mm
ostre
sharp



40.7248
150 mm



40.7249
160 mm



40.7250
140 mm
max Ø 1,5 mm
drut miękki
soft wire

max Ø 1 mm
drut twardy
hard wire

utwardzane ostrza
hardened edges



40.7251
150 mm
max Ø 1,5 mm
drut miękki
soft wire

max Ø 1 mm
drut twardy
hard wire



40.7252
160 mm
max Ø 1,5 mm
drut miękki
soft wire

max Ø 1,2 mm
drut twardy
hard wire





40.3180
150 mm

utwardzane ostrza
hardened edges

max Ø 2 mm
drut miękki
soft wire

max Ø 1,5 mm
drut twardy
hard wire



30.4225
210 mm

utwardzane ostrza
hardened edges

max Ø 3 mm
drut miękki
soft wire

max Ø 2,5 mm
drut twardy
hard wire



40.3176
230 mm

utwardzane ostrza
hardened edges

max Ø 3 mm
drut miękki
soft wire

max Ø 2,2 mm
drut twardy
hard wire

40.3176.160
160 mm

utwardzane ostrza
hardened edges

max Ø 2 mm
drut miękki
soft wire

max Ø 1,5 mm
drut twardy
hard wire



40.0275
160 mm

max Ø 2,2 mm
drut miękki
soft wire

max Ø 2 mm
drut twardy
hard wire



40.7253
240 mm

max Ø 3 mm
drut miękki
soft wire

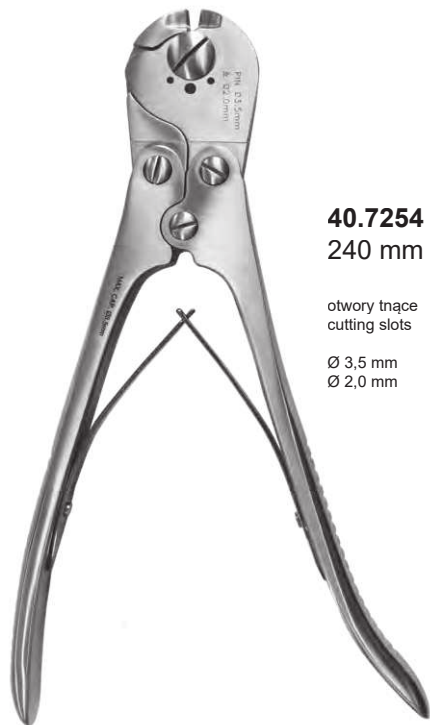
max Ø 2,7 mm
drut twardy
hard wire



40.7253.100
240 mm

otwór tnący
cutting slot

Ø 3 mm



40.7254
240 mm

otwory tnące
cutting slots

Ø 3,5 mm
Ø 2,0 mm



40.3175
480 mm

max Ø 6 mm
do cięcia gwoździ
nail cutting



40.3177
470 mm

max Ø 6 mm
do cięcia gwoździ
nail cutting

odłączane ręczki
removable handles

wymagają użycia ponad 40% mniej siły
wymienne utwardzane ostrza
wymienne gumowe szczęki
w całości nadające się do sterylizacji

over 40% less power required
exchangeable TC-blades
exchangeable rubber jaws
fully sterilisable



Hercules
30.4169
150 mm
max Ø 1,6 mm



Hercules
30.4171
180 mm
max Ø 2,2 mm



Hercules
30.4174
180 mm
max Ø 2,2 mm



Hercules
30.4172
230 mm
max Ø 3 mm



Hercules
30.4173
280 mm
Ø 2,5-3,5 mm



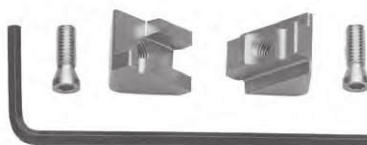
części zapasowe
spare parts



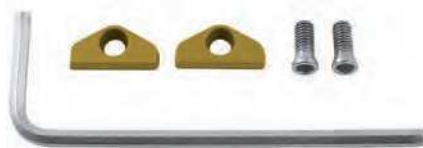
30.4176 Kompatybilne z • fits to 30.4171/ 30.4174

30.4177 Kompatybilne z • fits to 30.4172

30.4178 Kompatybilne z • fits to 30.4173



30.4181 Kompatybilne z • fits to • 30.4175



30.4180 Kompatybilne z • fits to 30.4169



30.4179 Kompatybilne z • fits to
30.4171/ 30.4172/ 30.4173/ 30.4174



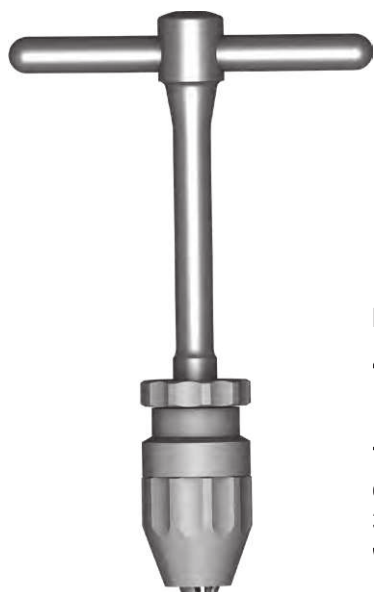
Ø [mm]	L [mm]					
	80	100	150	180	250	300
1,0	40.2045	-	-	-	-	-
1,5	-	40.2046	-	-	-	-
1,8	-	40.2063	-	-	-	-
2,0	-	-	40.2047	-	-	-
2,5	-	-	40.2049	-	-	40.2135
2,8	-	-	40.2050	40.2044	-	-
3,0	-	-	40.2051	-	40.2052	-
3,2	-	-	-	40.0614	40.2053	-
3,5	-	-	40.1364	40.2137	40.1386	40.1363
4,0	-	-	-	40.2054	-	40.2055
4,5	-	-	40.1388	40.0615	40.1387	40.2056
4,7	-	-	-	-	-	-
5,0	-	-	-	40.2057	40.1365	40.2058
5,5	-	-	-	40.2059	-	40.2060
6,0	-	-	-	40.2061	40.2069	40.2062
6,5	-	-	-	-	-	40.2068

Kaniulowane
Канюлированные

Cannulated



Ø [mm]	d [mm]	L [mm]			
		150	180	200	300
2,5	1,2	40.2038.150	-	-	-
3,0	1,2	40.2036.150	-	-	-
3,2	1,2	40.2040.150	-	40.2040.200	-
3,5	1,2	40.2037.150	-	-	-
4,5	1,2	40.2041	-	-	-
5,0	1,2	-	40.1899	-	-
5,0	2,2	-	40.2043	-	-
6,0	2,2	40.4584	-	-	-
6,5	2,2	-	-	-	40.3674
7,0	2,5	-	-	40.1898	-
8,0	2,5	-	-	40.2042	-


Rączka Steinmanna
40.0987.200
Trójszczękowy, kaniulowany uchwyt samozaciskowy do mocowania drutów i gwoździ 0,3÷7,4 mm

3-jaw chuck, self-clamp, cannulated handle, for pins and wires 0,3÷7,4 mm

Chwytnak wkrętów 3,5mm - 6,5mm
40.7271

90 mm


Chwytnak wkrętów 1,5mm - 2,7mm
40.7272

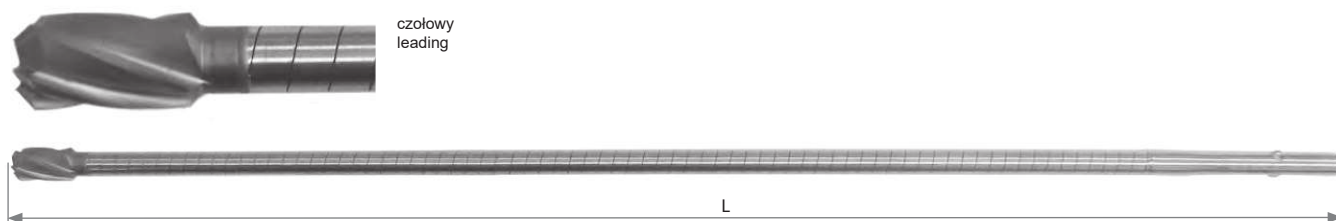
90 mm


Gwintownik z rączką
Tap with T-handle

	Ø [mm]
40.2545	HA 1,5
40.2546	HA 2,0
40.2547	HA 2,7
40.2548	HA 3,5
40.2550	HA 4,5
40.2552	HB 3,5
40.2553	HB 4,0
40.2554	HB 6,5


Haczyk 155 mm
Sharp Hook

40.3599

		DIN z nakrętką DIN with nut	DIN bez nakrętki DIN without nut	AO	Harris	Hudson	Stryker / Zimmer / Trinkle
6.0	390	40.5103.000	40.5103.100	40.5103.200	40.5103.300	40.5103.400	40.5103.500
6.5	390	40.5104.000	40.5104.100	40.5104.200	40.5104.300	40.5104.400	40.5104.500
7.0	390	40.4541.000	40.4541.100	40.4541.200	40.4541.300	40.4541.400	40.4541.500
7.5	390	40.5105.000	40.5105.100	40.5105.200	40.5105.300	40.5105.400	40.5105.500
8.0	480	40.4542.000	40.4542.100	40.4542.200	40.4542.300	40.4542.400	40.4542.500
8.5	480	40.5106.000	40.5106.100	40.5106.200	40.5106.300	40.5106.400	40.5106.500
9.0	480	40.4543.000	40.4543.100	40.4543.200	40.4543.300	40.4543.400	40.4543.500
9.5	480	40.5107.000	40.5107.100	40.5107.200	40.5107.300	40.5107.400	40.5107.500
10.0	480	40.4544.000	40.4544.100	40.4544.200	40.4544.300	40.4544.400	40.4544.500
10.5	480	40.5108.000	40.5108.100	40.5108.200	40.5108.300	40.5108.400	40.5108.500
11.0	480	40.4545.000	40.4545.100	40.4545.200	40.4545.300	40.4545.400	40.4545.500
11.5	480	40.5109.000	40.5109.100	40.5109.200	40.5109.300	40.5109.400	40.5109.500
12.0	480	40.4546.000	40.4546.100	40.4546.200	40.4546.300	40.4546.400	40.4546.500
12.5	480	40.5110.000	40.5110.100	40.5110.200	40.5110.300	40.5110.400	40.5110.500
13.0	480	40.4547.000	40.4547.100	40.4547.200	40.4547.300	40.4547.400	40.4547.500
13.5	480	40.5111.000	40.5111.100	40.5111.200	40.5111.300	40.5111.400	40.5111.500
14.0	480	40.4548.000	40.4548.100	40.4548.200	40.4548.300	40.4548.400	40.4548.500
14.5	480	40.5112.000	40.5112.100	40.5112.200	40.5112.300	40.5112.400	40.5112.500
15.0	480	40.5113.000	40.5113.100	40.5113.200	40.5113.300	40.5113.400	40.5113.500
15.5	480	40.5114.000	40.5114.100	40.5114.200	40.5114.300	40.5114.400	40.5114.500
16.0	480	40.5115.000	40.5115.100	40.5115.200	40.5115.300	40.5115.400	40.5115.500
16.5	480	40.5116.000	40.5116.100	40.5116.200	40.5116.300	40.5116.400	40.5116.500
17.0	480	40.5117.000	40.5117.100	40.5117.200	40.5117.300	40.5117.400	40.5117.500
17.5	480	40.5118.000	40.5118.100	40.5118.200	40.5118.300	40.5118.400	40.5118.500
18.0	480	40.5119.000	40.5119.100	40.5119.200	40.5119.300	40.5119.400	40.5119.500

dostępne typy zamocowań • available connections •



DIN with coupling nut



DIN without coupling nut



AO



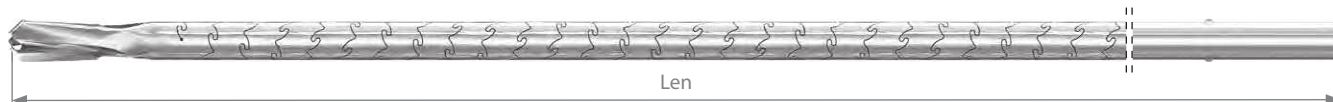
Harris



Hudson



Stryker / Zimmer / Trinkle


**leading
czołowy**


		DIN	AO	Harris	Stryker/Zimmer/Trinkle
6.0	390	40.5103.110	40.5103.210	40.5103.310	40.5103.510
6.5	390	40.5104.110	40.5104.210	40.5104.310	40.5104.510
7.0	390	40.4541.110	40.4541.210	40.4541.310	40.4541.510
7.5	390	40.5105.110	40.5105.210	40.5105.310	40.5105.510
8.0	480	40.4542.110	40.4542.210	40.4542.310	40.4542.510
8.5	480	40.5106.110	40.5106.210	40.5106.310	40.5106.510
9.0	480	40.4543.110	40.4543.210	40.4543.310	40.4543.510
9.5	480	40.5107.110	40.5107.210	40.5107.310	40.5107.510
10.0	480	40.4544.110	40.4544.210	40.4544.310	40.4544.510
10.5	480	40.5108.110	40.5108.210	40.5108.310	40.5108.510
11.0	480	40.4545.110	40.4545.210	40.4545.310	40.4545.510
11.5	480	40.5109.110	40.5109.210	40.5109.310	40.5109.510
12.0	480	40.4546.110	40.4546.210	40.4546.310	40.4546.510
12.5	480	40.5110.110	40.5110.210	40.5110.310	40.5110.510
13.0	480	40.4547.110	40.4547.210	40.4547.310	40.4547.510
13.5	480	40.5111.110	40.5111.210	40.5111.310	40.5111.510
14.0	480	40.4548.110	40.4548.210	40.4548.310	40.4548.510
14.5	480	40.5112.110	40.5112.210	40.5112.310	40.5112.510
15.0	480	40.5113.110	40.5113.210	40.5113.310	40.5113.510
15.5	480	40.5114.110	40.5114.210	40.5114.310	40.5114.510
16.0	480	40.5115.110	40.5115.210	40.5115.310	40.5115.510
16.5	480	40.5116.110	40.5116.210	40.5116.310	40.5116.510
17.0	480	40.5117.110	40.5117.210	40.5117.310	40.5117.510
17.5	480	40.5118.110	40.5118.210	40.5118.310	40.5118.510
18.0	480	40.5119.110	40.5119.210	40.5119.310	40.5119.510

available connections
dostępne typy zamocowań

40.xxxx.110

40.xxxx.210

40.xxxx.310

40.xxxx.510

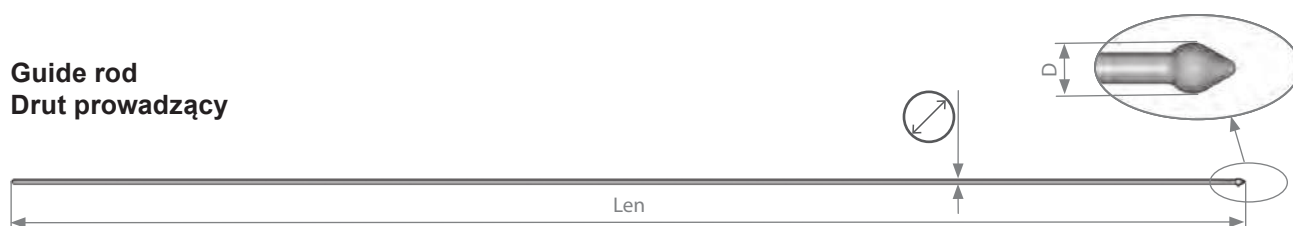

DIN
AO
Harris
Stryker/Zimmer/Trinkle

Reamer diameter 6-7.5mm
Średnica rozwiertaka 6-7,5mm

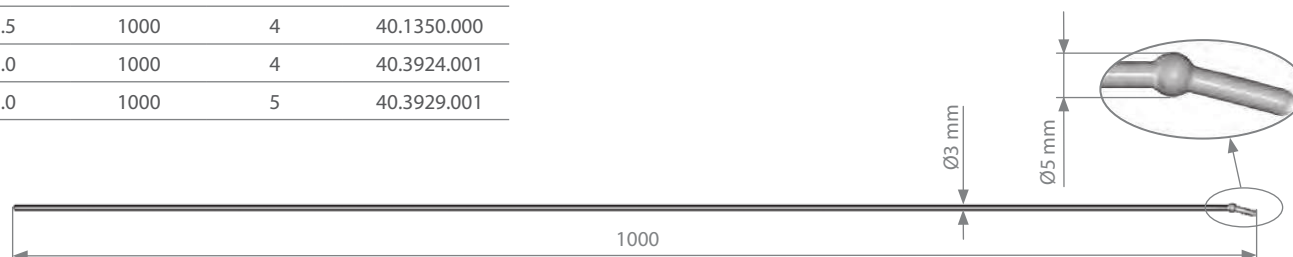
The maximum torque is 3Nm
Maksymalny moment obrotowy wynosi 3Nm

Reamer diameter 8-18mm
Średnica rozwiertaka 8-18mm

The maximum torque is 10Nm
Maksymalny moment obrotowy wynosi 10Nm

Guide rod
Drut prowadzący


		D	
1.8	600	4	40.4749.600
2.5	500	5	40.4747.500
3.0	700	5	40.3929.000
2.5	1000	4	40.1350.000
3.0	1000	4	40.3924.001
3.0	1000	5	40.3929.001



		D	
3.0	1000	5	40.3930.000



		
3.0	600	40.3925.000
3.5	600	40.3926.000
4.0	600	40.3927.000
5.0	600	40.3928.000


Protective guide
Prowadnica ochronna

40.6375.000


Pokrętło
Hand

40.3232.000


Stand for reamers (set with container)
Statyw na rozwiertaki (komplet z kontenerem)

40.5762.200

Stand insert for reamers (internal tray only)
Wkładka statywu na rozwiertaki (tylko taca wewnętrzna)

40.5762.300



Reamer Rozwiertak



8.0	40.8834.000
8.5	40.8835.000
9.0	40.8836.000
9.5	40.8837.000
10.0	40.8838.000
10.5	40.8839.000
11.0	40.8840.000

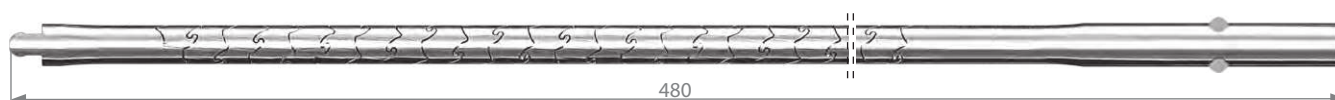


11.5	40.8841.000
12.0	40.8842.000
12.5	40.8843.000
13.0	40.8844.000
13.5	40.8845.000
14.0	40.8846.000
14.5	40.8847.000



15.0	40.8848.000
15.5	40.8849.000
16.0	40.8850.000
16.5	40.8851.000
17.0	40.8852.000
17.5	40.8853.000
18.0	40.8854.000

Reamer handle Uchwyt rozwiertaka



available connections
dostępne typy zamocowań

DIN

AO

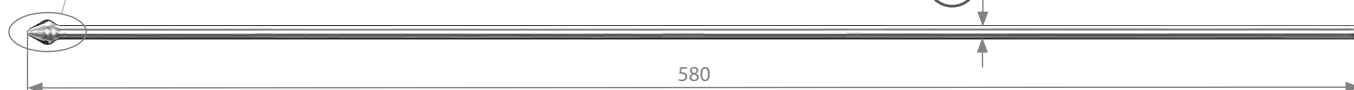
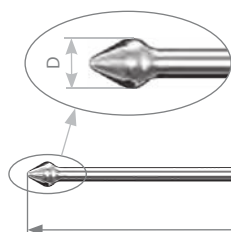
Harris

Stryker/Zimmer/Trinkle



480	40.8833.100	40.8833.200	40.8833.300	40.8833.500
-----	-------------	-------------	-------------	-------------

Drut prowadzący Guide rod



D

3.0	580	5.0	40.3929.580
1.8	580	4.0	40.4749.580



Stand for reamers (set with container)
Statyw na rozwiertaki (komplet z kontenerem)

40.8832.000



Prasa do gięcia płytek prostych i kątowych o grubości do 3,2 mm

Bending press for straight and angular plates up to 3.2 mm

40.3694 30 cm



Prasa do gięcia płytek prostych i kątowych o grubości do 6 mm

Bending press for straight and angular plates up to 6 mm

40.3695 43 cm



Szczypce do gięcia płytek drobnych i cienkich o grubości do 1,6 mm

Bending forceps for small and thin plates up to 1,6 mm

40.3570 20 cm



Kleszcze do gięcia płytek prostych o grubości do 3,2 mm

Bending forceps for straight plates up to 3.2 mm

40.4245

Szczypce do gięcia dużych płytek o grubości do 3 mm

Bending forceps for big plates up to 3 mm

40.4246 24 cm



40.4250

Zaginak 4 mm i 6 mm, używany w parach

Bender 4 mm and 6 mm, used in pairs



40.4248
150 mm



40.4249
150 mm

Zaginaki do płytek drobnych, szerokość szczelin 2,5 mm i 4 mm, używane w parze

Benders for small plates, width of slots 2.5mm and 4 mm, used in pairs



40.4251

Zaginak do płytek cienkich

Bender for thin plates



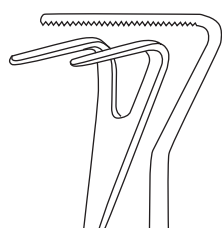
Mannerfelt
30.0740.001
135 mm



Mannerfelt
30.0740.002
155 mm



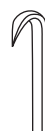
Mannerfelt
30.0741.000
155 mm



Mannerfelt
30.0742.001 8 mm x 12.5 mm
30.0742.002 10 mm x 21.5 mm
155 mm



Mannerfelt
155 mm



30.0743.001

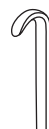


ostre • sharp • острые

30.0743.002



30.0743.003



30.0744.001



tępe • blunt • тупые

30.0744.002



30.0744.003



Mannerfelt
155 mm



8 x 8 mm

ostre • sharp

30.0745.001

30.0745.002



7 x 11 mm

30.0745.003

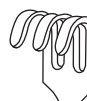


8 x 8 mm

tępe • blunt

30.0746.001

30.0746.002



7 x 11 mm

30.0746.003



Mannerfelt
30.0747.000
155 mm



4 x 7.2 mm

16 x 6 mm



Mannerfelt
30.0748.000
155 mm



Mannerfelt

30.0749.001 15 x 6 mm

30.0749.002 20 x 6 mm

30.0749.003 25 x 6 mm

30.0749.004 30 x 6 mm

155 mm



Mannerfelt

30.0750.001 12 x 12 mm

30.0750.002 12 x 14 mm

30.0750.003 12 x 16 mm

155 mm



Mannerfelt

30.0751.000

155 mm

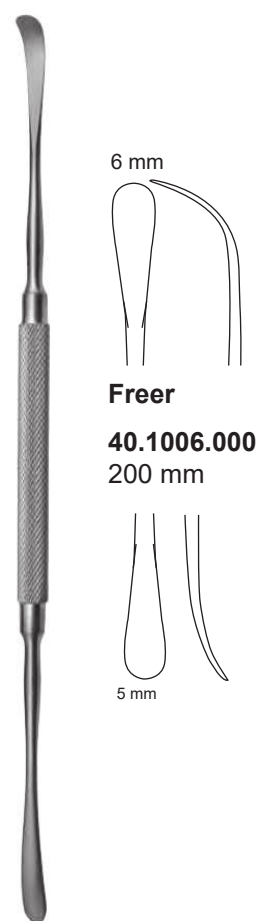
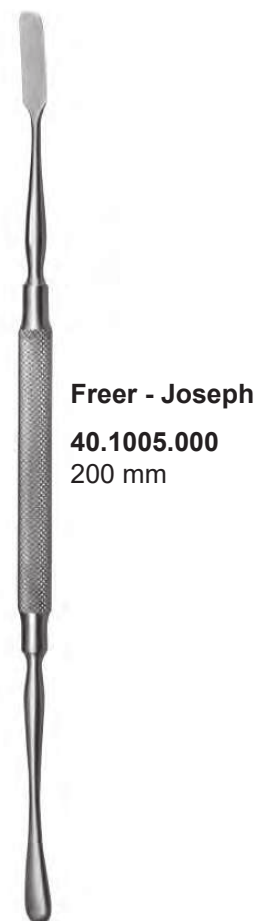
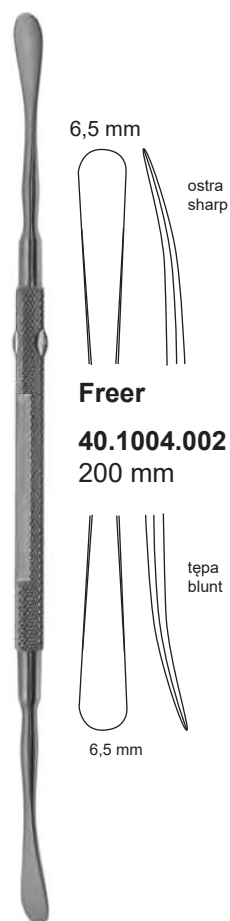
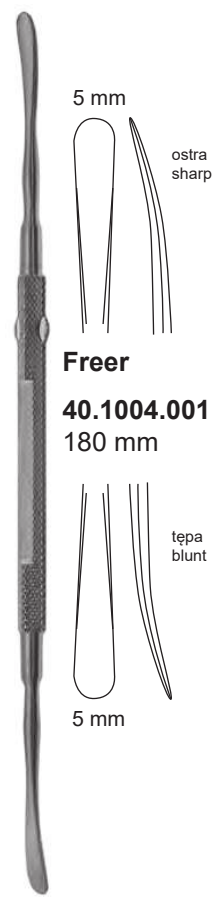
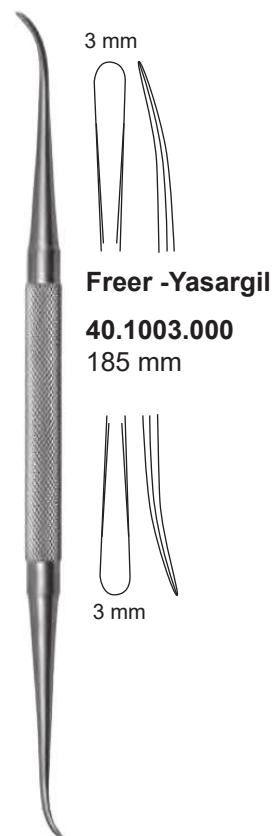
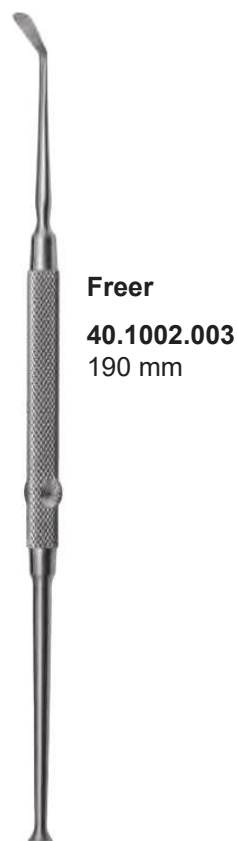
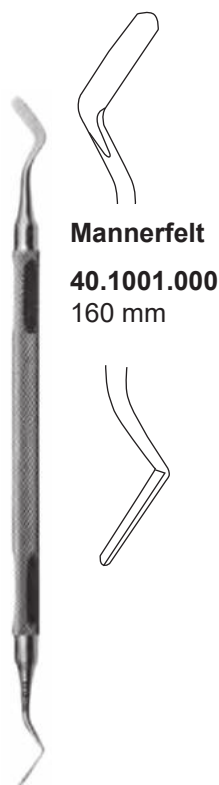


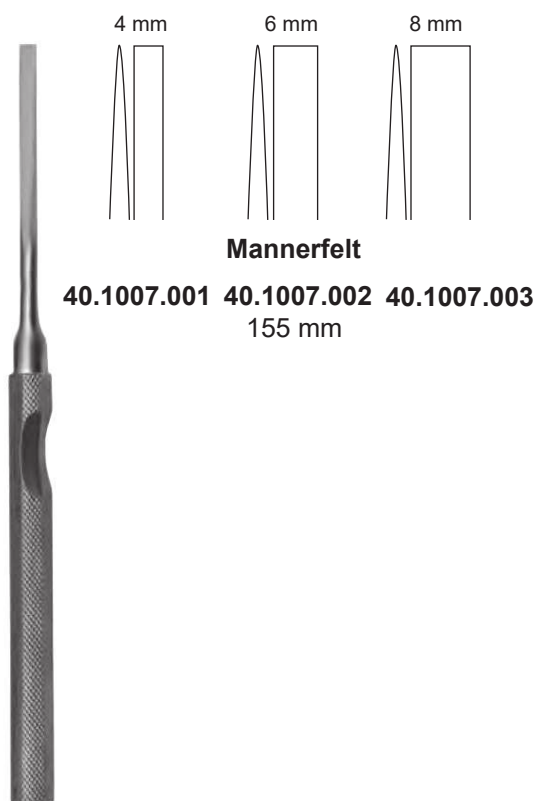
Mannerfelt

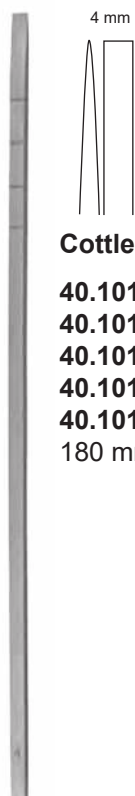
30.0752.000

160 mm



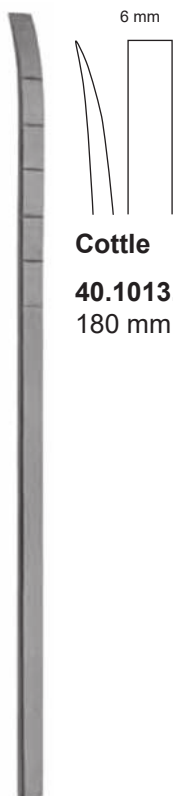






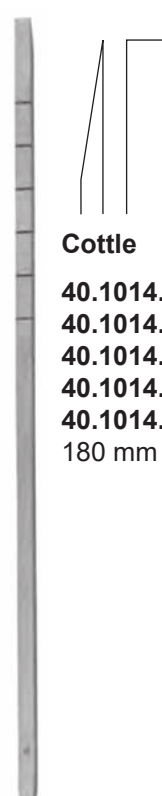
Cottle

40.1012.004 4 mm
40.1012.006 6 mm
40.1012.008 8 mm
40.1012.010 10 mm
40.1012.012 12 mm
180 mm



Cottle

40.1013.000
180 mm



Cottle

40.1014.004 4 mm
40.1014.006 6 mm
40.1014.007 7 mm
40.1014.009 9 mm
40.1014.012 12 mm
180 mm



Cottle Fishtail

40.1015.008
180 mm



Cottle Fishtail

40.1015.016
180 mm



Weitlaner-Loktite

30.1460 130 mm

30.1462 165 mm

30.1464 200 mm

ostry
sharp

30.1461 130 mm

30.1463 165 mm

30.1465 200 mm

tępy
blunt



Weitlaner-Wullstein

30.1466 130 mm

ostry
sharp

30.1467 130 mm

tępy
blunt



Cone

30.1471 130 mm

30.1473 165 mm

30.1475 200 mm

30.1477 250 mm

ostry
sharp

30.1472 130 mm

30.1474 165 mm

30.1476 200 mm

30.1478 250 mm

tępy
blunt



Milligan

30.1482.000 130 mm

tępy
blunt

30.1482.100 130 mm

ostry
sharp

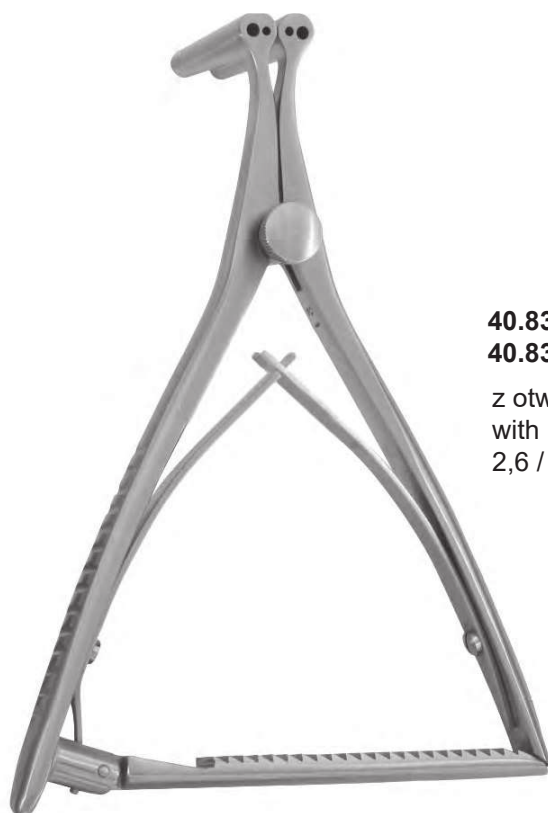


Mollison
30.1484
155 mm



Adson-Baby
30.1485
160 mm
tępy
blunt

30.1486
160 mm
ostry
sharp



40.8395.150 15 cm max. dystrakcja 32 mm
40.8395.205 20,5 cm max. dystrakcja 44 mm
 z otworami
 with holes
 2,6 / 1,7mm



40.8396.150 15 cm max. dystrakcja 55 mm
40.8396.205 20,5 cm max. dystrakcja 62 mm
 z otworami
 with holes
 2,6 / 1,7mm



Ekstraktor
Extractor

40.4783
270 mm

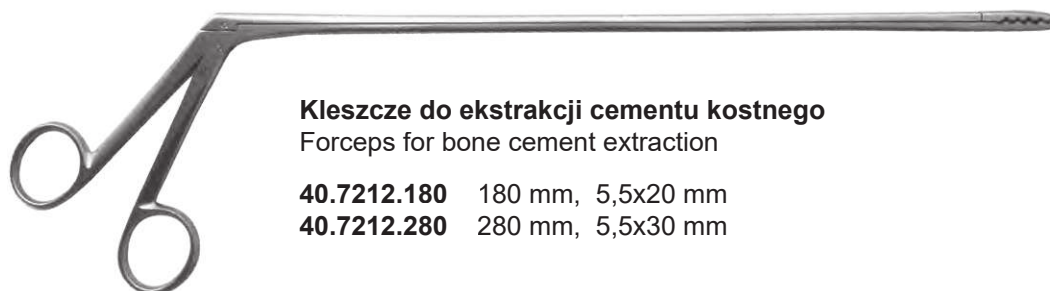


Łyżka Murphy-Lane
Murphy-Lane bone skid

40.7208.030 30/19 mm
310 mm

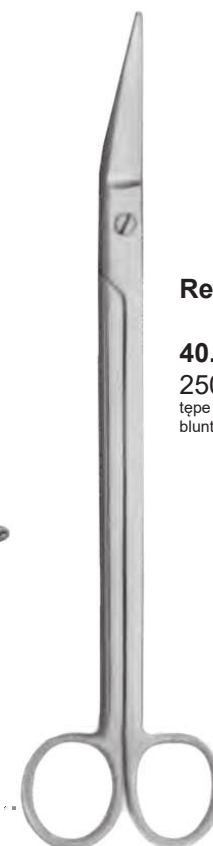


40.7216
230 mm



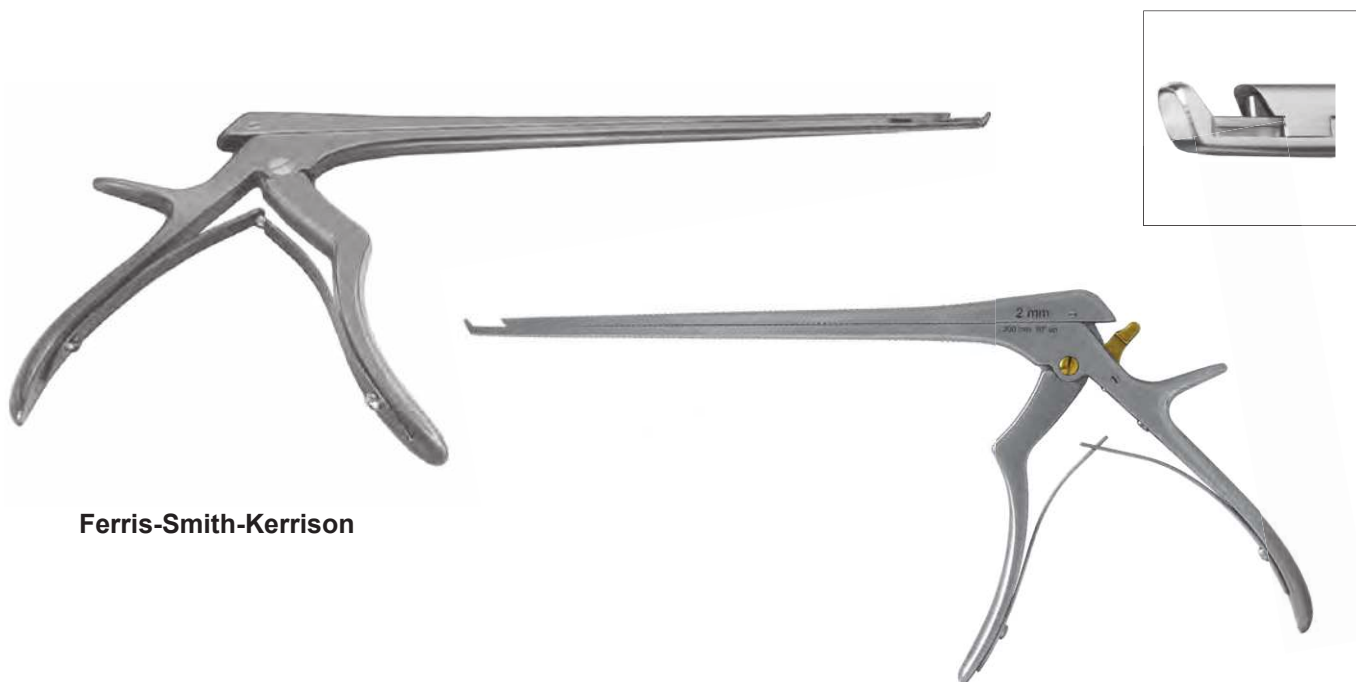
Kleszcze do ekstrakcji cementu kostnego
Forceps for bone cement extraction

40.7212.180 180 mm, 5,5x20 mm
40.7212.280 280 mm, 5,5x30 mm



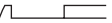
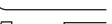
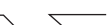
Resano

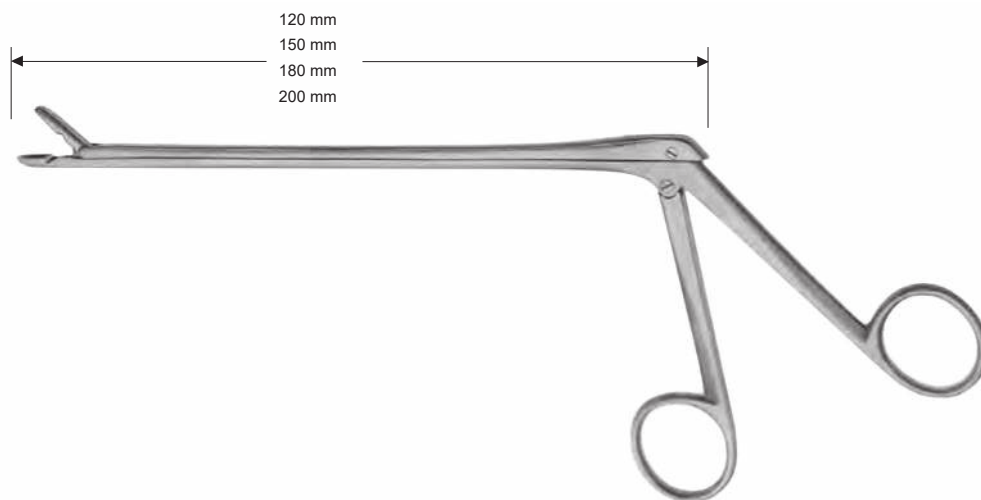
40.7218
250 mm
tepe
blunt


Ferris-Smith-Kerrison

Model nierozbieralny
Regular pattern

Model rozbieralny
Dismountable pattern


				18 cm	20 cm	18 cm	20 cm
1 mm	90°			40.4265	40.4267	40.4285	40.4291
2 mm				40.4266	40.4268	40.4286	40.4292
3 mm				40.2290	40.2295	40.4287	40.4293
4 mm				40.2291	40.2296	40.4288	40.4294
5 mm				40.2292	40.2297	40.4289	40.4295
6 mm				40.2293	40.2298	40.4290	40.4296
1 mm	40°			40.4269	40.4271	40.4297	40.4303
2 mm				40.4270	40.4272	40.4298	40.4304
3 mm				40.2305	40.2310	40.4299	40.4305
4 mm				40.2306	40.2311	40.4300	40.4306
5 mm				40.2307	40.2312	40.4301	40.4307
6 mm				40.2308	40.2313	40.4302	40.4308
1 mm	90°			40.4273	40.4279		
2 mm				40.4274	40.4280		
3 mm				40.4275	40.4281		
4 mm				40.4276	40.4282		
5 mm				40.4277	40.4283		
6 mm				40.4278	40.4284		



Cushing 2 x 10 mm



L=120 mm **40.4334**
L=150 mm **40.4335**
L=180 mm **40.4336**
L=200 mm **40.4337**



45°

L=120 mm **40.4338**
L=150 mm **40.4339**
L=180 mm **40.4340**
L=200 mm **40.4341**



45°

L=120 mm **40.4342**
L=150 mm **40.4343**
L=180 mm **40.4344**
L=200 mm **40.4345**

Gruenwald 3 x 10 mm



L=120 mm **40.4346**
L=150 mm **40.4347**
L=180 mm **40.4348**
L=200 mm **40.4349**

L=120 mm **40.4350**
L=150 mm **40.4351**
L=180 mm **40.4352**
L=200 mm **40.4353**

L=120 mm **40.4354**
L=150 mm **40.4355**
L=180 mm **40.4356**
L=200 mm **40.4357**

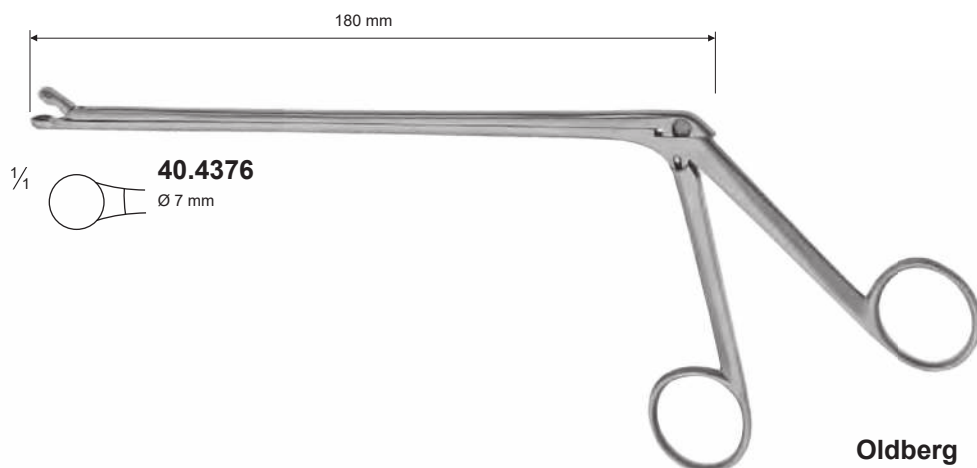
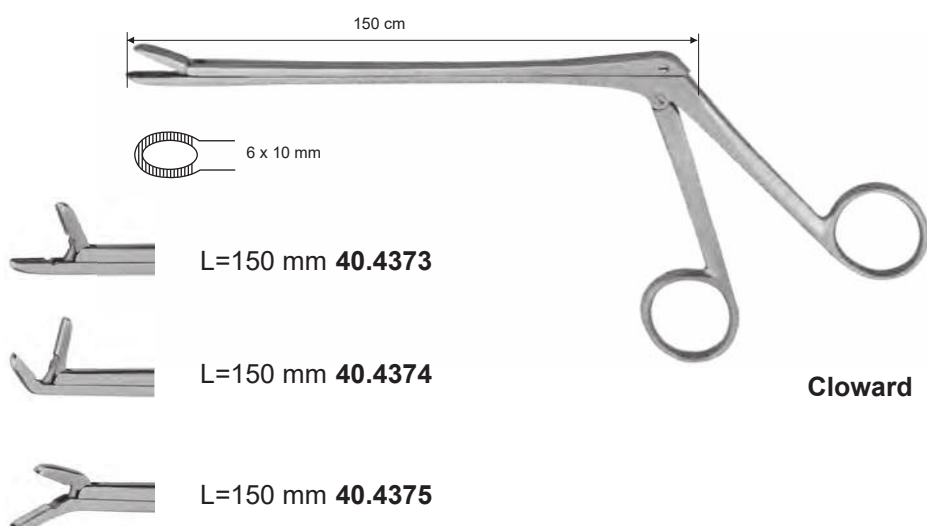
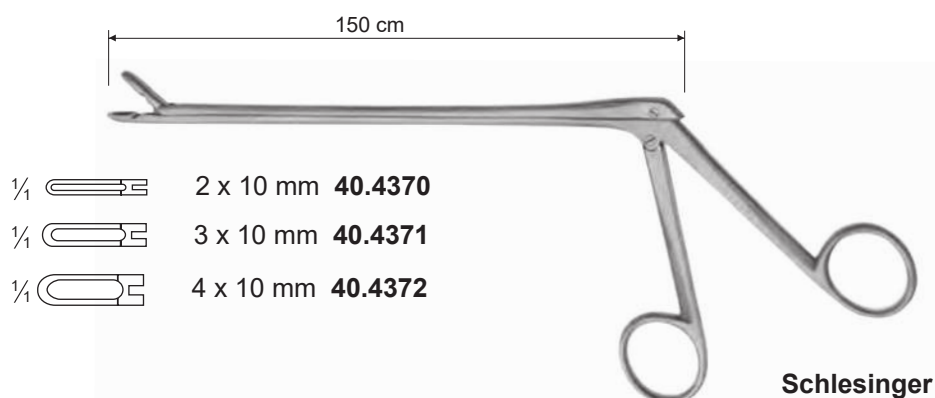
Spurling 4 x 10 mm

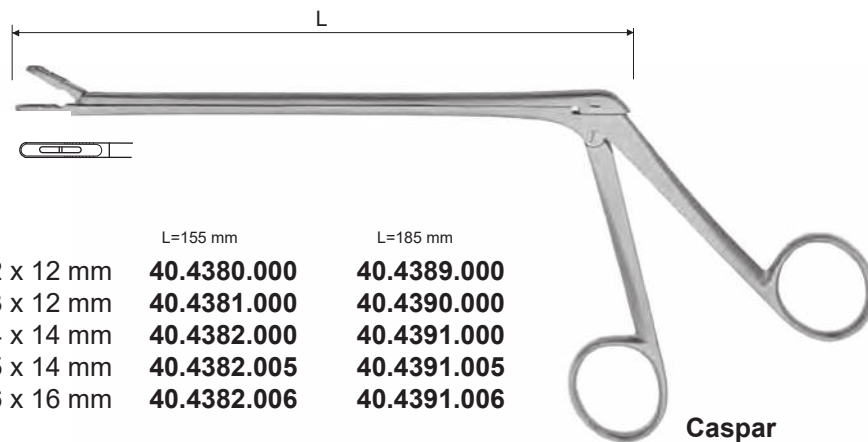


L=120 mm **40.4358**
L=150 mm **40.4359**
L=180 mm **40.4360**
L=200 mm **40.4361**

L=120 mm **40.4362**
L=150 mm **40.4363**
L=180 mm **40.4364**
L=200 mm **40.4365**

L=120 mm **40.4366**
L=150 mm **40.4367**
L=180 mm **40.4368**
L=200 mm **40.4369**



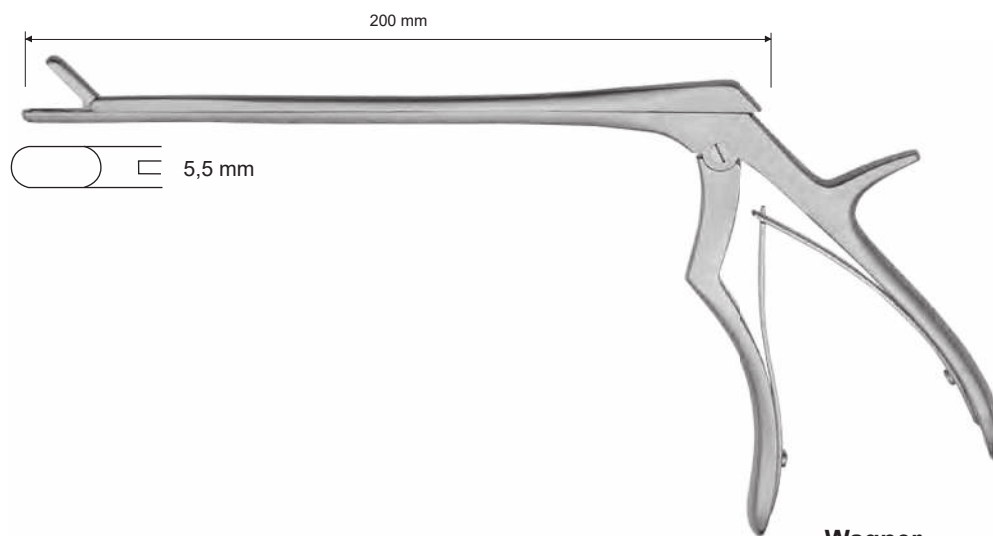


	L=155 mm	L=185 mm
2 x 12 mm	40.4380.000	40.4389.000
3 x 12 mm	40.4381.000	40.4390.000
4 x 14 mm	40.4382.000	40.4391.000
5 x 14 mm	40.4382.005	40.4391.005
6 x 16 mm	40.4382.006	40.4391.006

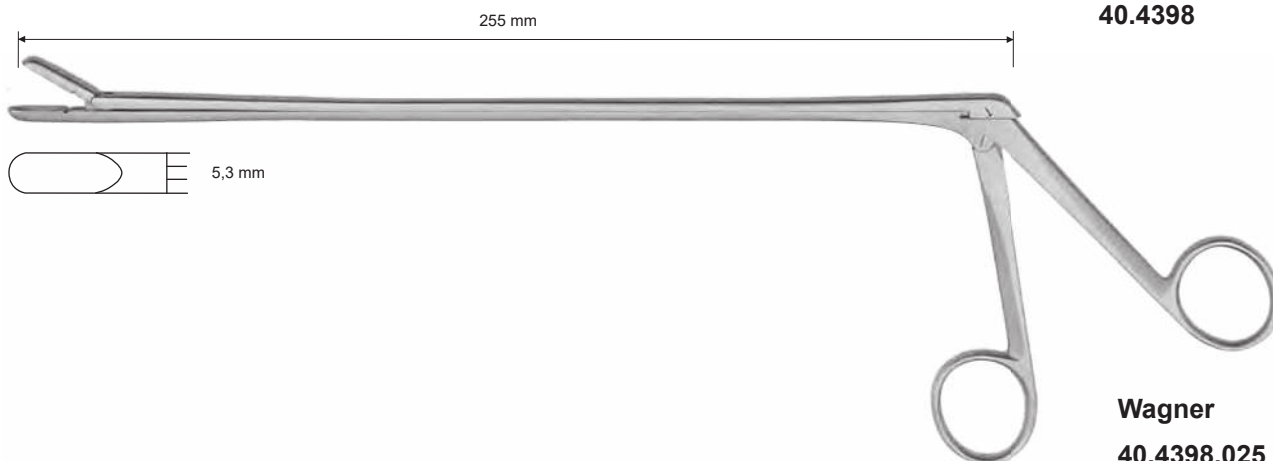
	L=155 mm	L=185 mm
3 x 12 mm	40.4384.000	40.4393.000
4 x 14 mm	40.4385.000	40.4394.000
5 x 14 mm	40.4385.005	40.4394.005

	L=155 mm	L=185 mm
3 x 12 mm	40.4387.000	40.4396.000
4 x 14 mm	40.4388.000	40.4397.000

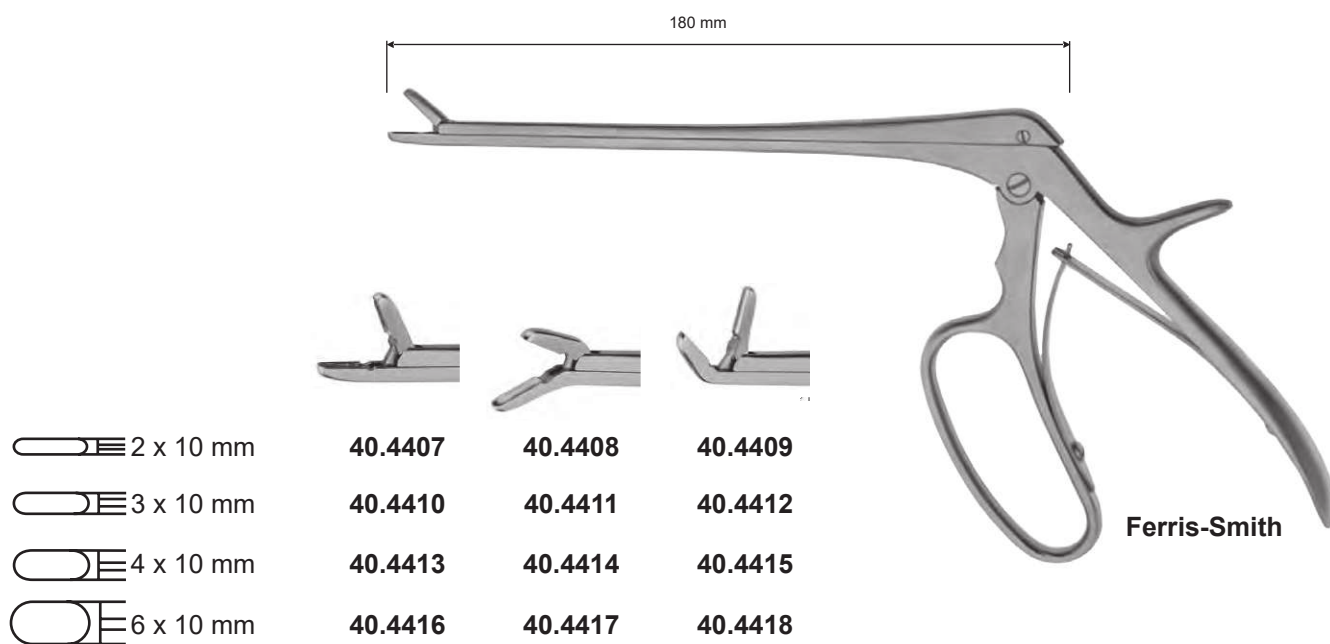
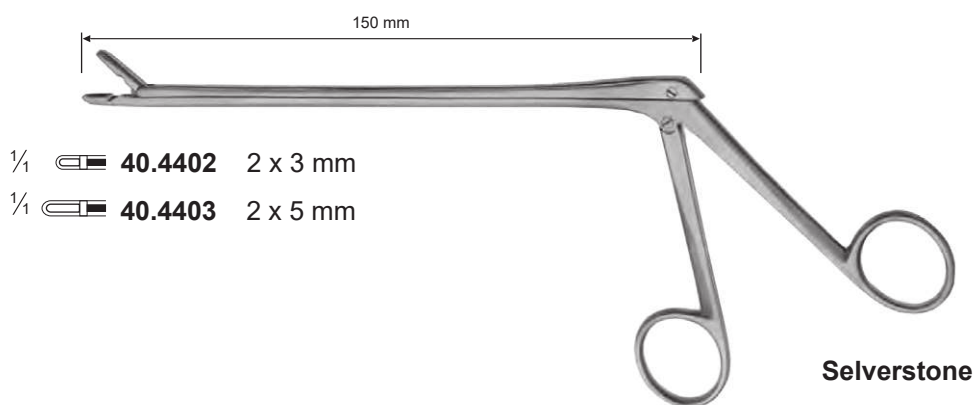
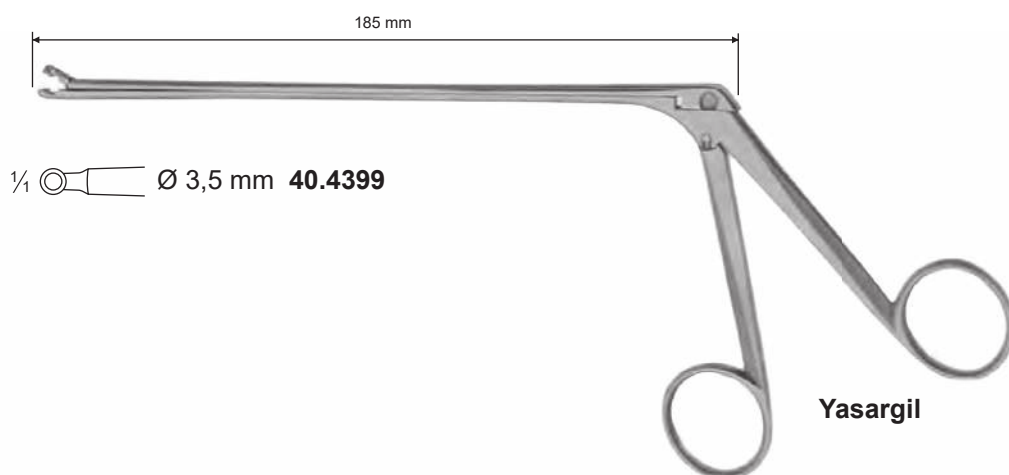
Caspar



Wagner
40.4398



Wagner
40.4398.025







Bailey-Gibbon

30.4124
160 mm
dla dorosłych
for adults
для взрослых



Bailey

30.4125
160 mm
dla dzieci
for children
для детей



Bailey-Baby

30.4126
140 mm

Opaska zaciskowa Tourniquet	Nazwa wyrobu Product name	Zakres stosowania (obwód kończyny w cm) The range of use (limb circumference in cm)	Wymiar Dimension [cm]	Nr kat. Cat. No
	Opaska zaciskowa 140x13,5cm Single tourniquet 140x13.5cm	45÷140	140x13,5	30.5008.500
	Opaska zaciskowa 61x10cm Single tourniquet 61x10cm	30÷61	61x10	30.5009.500
	Opaska zaciskowa 20x6cm Single tourniquet 20x6cm	16÷20	20x6	30.5010.500
	Opaska zaciskowa 86x10cm Single tourniquet 86x10cm	32÷86	86x10	30.5012.500
	Opaska zaciskowa 120x13,5cm Single tourniquet 120x13.5cm	45÷120	120x13,5	30.5013.500
	Opaska zaciskowa stożkowa 110x11cm Conical single tourniquet 110x11cm	45÷110	110x11	30.5014.500
	Opaska zaciskowa 76x10cm Single tourniquet 76x10cm	31÷76	76x10	30.5016.500
	Opaska zaciskowa podwójna 85x16cm Dual tourniquet 85x16cm	30÷85	85x16	30.5018.500
	Opaska zaciskowa podwójna 65x13cm Dual tourniquet 65x13cm	27÷65	65x13	30.5019.500

Pompka Pump	Nr kat. Cat. No
	30.0077.100

Opaska uciskowa dł. 5m Tourniquet length 5m	Szerokość Width [cm]	Nr kat. Cat. No
 <i>Latex - Free</i>	6	40.3350.000
	8	40.3350.080
	10	40.3350.100
	15	40.3350.150



30.0020.300

30.0020.300

Pojedynczy zasilacz regulowany opasek zaciskowych

Dane techniczne:

- czynnik roboczy - medyczne sprężone powietrze
- ciśnienie zasilania - 400 kPa
- ciśnienie wyjściowe - 0÷500 mmHg
- pomiar czasu - stoper z dźwiękową sygnalizacją czasu
- wymiary - 20,5 cm x 21 cm x 16 cm
- waga - 2,2 kg
- roczna gwarancja

Single adjustable tourniquet control unit

Technical data:

- working medium - medical compressed air
- supply pressure - 400 kPa
- output pressure - 0÷500 mmHg
- time measurement - electronic countdown timer with alarm
- dimensions - 20.5cm x 21cm x 16cm
- weight - 2.2 kg
- one year warranty



30.0021.300

30.0021.300

Podwójny zasilacz regulowany opasek zaciskowych

Dane techniczne:

- czynnik roboczy - medyczne sprężone powietrze
- ciśnienie zasilania - 400 kPa
- ciśnienie wyjściowe (2 niezależne wyjścia) - 0÷500 mmHg
- pomiar czasu - stoper z dźwiękową sygnalizacją czasu
- wymiary - 20,5 cm x 21 cm x 16 cm
- waga - 3,2 kg
- roczna gwarancja

Dual adjustable tourniquet control unit

Technical data:

- working medium - medical compressed air
- supply pressure - 400 kPa
- output pressure (2 autonomous exits) - 0÷500 mmHg
- time measurement - electronic countdown timer with alarm
- dimensions - 20.5 cm x 21 cm x 16 cm
- weight - 3.2 kg
- one year warranty



30.0025.000

Właściwości i wyposażenie:

- dodatkowe zasilanie bateryjne (awaryjne)
- wyświetlacz LCD
- zintegrowany kompresor
- wygodne szybkozłączce do podłączenia opaski zaciskowej
- menu w 3 językach: polskim, angielskim, rosyjskim
- automatyczny timer z możliwością naliczania i odliczania czasu pracy (ucisku)
- panel sterowania wyposażony w „miękkie” przyciski oraz wygodne pokrętło zmiany ustawień
- test szczelności układu zasilacz – opaska zaciskowa
- system monitorujący pracę zasilacza wyposażony w alarmy informujące o problemach

Dane techniczne / Technical parameters

Zasilanie sieciowe	100÷240 V, 50/60 Hz
Power supply	100÷240 V, 50/60 Hz
Pobór mocy	<65 W
Power consumption	<65 W
Akumulator	Li-Ion 14,8V
Battery Type	Li-Ion 14,8V
Ciśnienie wyjściowe (na opasce zaciskowej)	100÷550 mmHg (przyrost co 5 mmHg)
Output pressure (in tourniquet)	100÷550 mmHg (with 5 mmHg increments)
Czynnik roboczy	sprężone powietrze (sprężane poprzez zintegrowany kompresor)
Work factor	compressed air (compressed by an integrated compressor)
Minutnik	1÷99 min. (przyrost co 1 min.)
Alarm time setting range	1÷99 min. (with 1 min. increments.)
Wymiary (W/S/G)	21 cm x 21 cm x 21,5 cm
Dimensions (H/W/D)	21 cm x 21 cm x 21.5 cm
Ciężar/ Weight/ Bec	4 kg/ 4 kg/ 4 кг
Typ zabezpieczenia przed porażeniem prądem elektrycznym	Klasa I lub wyrób z wewnętrznym źródłem zasilania (Kiedy zasilacz pracuje na zasilaniu wewnętrznym akumulatorem, typ zabezpieczenia przed porażeniem prądem elektrycznym zmienia się na wyrób z wewnętrznym źródłem zasilania)
Type of protection against electric shock	Class I or Internally Powered Equipment (When the unit is operating on backup battery, the type of protection against electric shock changes to internally powered equipment)
EMC	EN 60601-1-2
Zgodność z normami	EN 60601-1
Applicable standards	EN 60601-1
Głośność sygnałów dźwiękowych	45-85 dB
Volume of sound signals	45-85 dB

Properties and equipment:

- additional battery power supply (in case of emergency)
- LCD display
- integrated compressor
- convenient connective port for a quick connection between the unit and the tourniquet
- menu available in 3 languages: Polish, English, Russian
- automatic timer allowing for counting up and down the operating time (time of compression)
- control panel equipped with “soft” buttons and a convenient knob allowing for selection of settings
- tightness test of an electronic system – tourniquet
- system controlling the functioning of the EZO-01 device, equipped with alarms notifying about existing problems



30.0026.000

Właściwości i wyposażenie:

- dwa kanały zasilania opasek zaciskowych sprężonym powietrzem z niezależną regulacją ciśnienia i czasu ucisku
- prosta i intuicyjna obsługa
- nieduża, kompaktowa obudowa
- automatyczny minutnik (uruchamiany w momencie napełnienia opaski, zatrzymywany w momencie jej opróżnienia)
- pneumatyczne złącza firmy CPC
- menu w 5 językach: polski, angielski, rosyjski, niemiecki, hiszpański
- dodatkowe zasilanie akumulatorowe
- zintegrowany kompresor
- 6" kolorowy wyświetlacz LCD
- system monitorujący pracę zasilacza
- system monitorujący szczelność układu opaska zaciskowa – zasilacz

Properties and equipment:

- two channels for supplying tourniquets with compressed air with independent regulation pressure and time of pressure
- simple and intuitive usage
- a small, compact casing
- automatic timer (activated during inflating the tourniquet, deactivated during deflating the tourniquet)
- CPC pneumatic connectors
- menu available in 5 languages: Polish, English, Russian, German, Spanish
- additional battery power supply
- integrated compressor
- 6 „color LCD display
- system controlling the functioning of the EZO-02 device
- system controlling the tightness of the tourniquet - electronic system

Dane techniczne / Technical parameters

Zasilanie sieciowe	100÷240 V, 50/60 Hz
Power supply	100÷240 V, 50/60 Hz
Pobór mocy	<65 W
Power consumption	<65 W
Akumulator	Li-Ion 14,8V
Battery Type	Li-Ion 14,8V
Ciśnienie wyjściowe (na opasce zaciskowej)	100÷600 mmHg (przyrost co 5 mmHg)
Output pressure (in tourniquet)	100÷600 mmHg (with 5 mmHg increments)
Czynnik roboczy	sprężone powietrze (sprężane poprzez zintegrowany kompresor)
Work factor	compressed air (compressed by an integrated compressor)
Minutnik	1÷120 min. (przyrost co 1 min.)
Alarm time setting range	1÷120 min. (with 1 min. increments.)
Wymiary (W/S/G)	21 cm x 21 cm x 21,5 cm
Dimensions (H/W/D)	21 cm x 21 cm x 21.5 cm
Ciężar/Weight	4,1 kg/ 4.1 kg/ 4,1 kr
Typ zabezpieczenia przed porażeniem prądem elektrycznym	Klasa I lub wyrób z wewnętrznym źródłem zasilania (Kiedy zasilacz pracuje na zasilaniu wewnętrznym akumulatorowym, typ zabezpieczenia przed porażeniem prądem elektrycznym zmienia się na wyrób z wewnętrznym źródłem zasilania)
Type of protection against electric shock	Class I or Internally Powered Equipment (When the unit is operating on backup battery, the type of protection against electric shock changes to internally powered equipment)
EMC	EN 60601-1-2
Zgodność z normami	EN 60601-1
Applicable standards	EN 60601-1
Głośność sygnałów dźwiękowych	45-85 dB
Volume of sound signals	45-85 dB



30.4351.000

Uchwyt zasilacza

Tourniquet control unit holder

Uchwyt służy do montażu zasilaczy opasek zaciskowych firmy ChM na systemach szynowych służących do podtrzymywania wyposażenia medycznego zgodnych z normą PN-EN ISO19054:2006.

Mounting clamp is used to mount ChM tourniquet control units on rail systems meant to support medical equipment in accordance with the PN-EN ISO19054:2006 standard.



30.0040.000

Statyw przewoźny do zasilaczy

Mobile stand for tourniquet control units

Przystosowany do zamontowania każdego zasilacza produkcji ChM

Łatwość przemieszczania na sali operacyjnej

Wyposażenie:

- zestaw kołowy na stabilnej pięcioramiennej podstawie
- dwa blokowane zestawy kół
- kosz na akcesoria
- podwójny hak do podwieszania przewodów
- wysokość kolumny 75 cm
- uchwyt mocujący do zasilaczy

Suited to each tourniquet produced by ChM

Easy moving within the operating room

Consists of:

- 5-star base with castor set
- 2 lockable castors
- basket for accessories
- dual cable hook
- column height 75 cm
- adapter plate for tourniquets



40.7243.100 100 mm
40.7243.150 150 mm
40.7243.200 200 mm
40.7243.300 300 mm
40.7243.500 500 mm



40.7244.500
X-Ray
 500 mm

Catalogue no. Nr katalogowy	Page Strona	Catalogue no. Nr katalogowy	Page Strona	Catalogue no. Nr katalogowy	Page Strona	Catalogue no. Nr katalogowy	Page Strona
30.0020.300	88	30.4024	15	30.5008.500	87	40.0158	14
30.0021.300	88	30.4025	15	30.5009.500	87	40.0159	14
30.0025.000	89	30.4026	15	30.5010.500	87	40.0162	11
30.0026.000	90	30.4027	15	30.5012.500	87	40.0163	11
30.0028	7	30.4028	14	30.5013.500	87	40.0164	11
30.0029	7	30.4029	14	30.5014.500	87	40.0165	11
30.0030	7	30.4030	14	30.5016.500	87	40.0166	11
30.0031	7	30.4031	14	30.5018.500	87	40.0167	11
30.0032	7	30.4032	14	30.5019.500	87	40.0168	11
30.0033	7	30.4033	14	40.0010	14	40.0174	16
30.0034	7	30.4034	14	40.0011	14	40.0175	16
30.0040	91	30.4035	14	40.0012	14	40.0176	16
30.0077.100	87	30.4036	14	40.0013	14	40.0177	16
30.0740.001	71	30.4037	14	40.0014	14	40.0178	16
30.0740.002	71	30.4038	14	40.0015	20	40.0179	16
30.0741.000	71	30.4039	14	40.0016	20	40.0194	11
30.0742.001	71	30.4040	14	40.0017	14	40.0195	11
30.0742.002	71	30.4041	14	40.0022	14	40.0196	11
30.0743.001	71	30.4042	14	40.0023	14	40.0197	11
30.0743.002	71	30.4043	15	40.0029	10	40.0198	11
30.0743.003	71	30.4044	15	40.0034	14	40.0199	11
30.0744.001	71	30.4045	15	40.0039	10	40.0201	16
30.0744.002	71	30.4046	15	40.0040	14	40.0202	16
30.0744.003	71	30.4047	15	40.0041	14	40.0203	16
30.0745.001	72	30.4048	15	40.0042	14	40.0204	16
30.0745.002	72	30.4049	15	40.0043	14	40.0209	16
30.0745.003	72	30.4050	15	40.0044	14	40.0210	10
30.0746.001	72	30.4051	15	40.0046	10	40.0211	10
30.0746.002	72	30.4052	15	40.0047	10	40.0212	10
30.0746.003	72	30.4053	49	40.0048	10	40.0213	10
30.0747.000	72	30.4054	49	40.0049	10	40.0214	10
30.0748.000	72	30.4055	22	40.0050	13	40.0215	10
30.0749.001	72	30.4056	22	40.0051	13	40.0216	10
30.0749.002	72	30.4057	22	40.0052	13	40.0217	10
30.0749.003	72	30.4058	22	40.0053	13	40.0218	10
30.0749.004	72	30.4059	22	40.0054	13	40.0219	10
30.0750.001	72	30.4060	23	40.0055	13	40.0220	10
30.0750.002	72	30.4061	23	40.0056	10	40.0221	10
30.0750.003	72	30.4063	23	40.0057	10	40.0222	10
30.0751.000	72	30.4064	22	40.0058	10	40.0223	10
30.0752.000	72	30.4065	22	40.0059	10	40.0224	10
30.1460	76	30.4066	21	40.0060	13	40.0226	10
30.1462	76	30.4067	21	40.0061	13	40.0227	10
30.1464	76	30.4068	21	40.0062	13	40.0228	10
30.1466	76	30.4069	21	40.0063	13	40.0229	16
30.1467	76	30.4070	23	40.0064	13	40.0231	5
30.1471	76	30.4071	23	40.0065	13	40.0232	16
30.1472	76	30.4072	30	40.0066	13	40.0233	16
30.1473	76	30.4073	30	40.0067	13	40.0234	16
30.1474	76	30.4074	30	40.0068	13	40.0236	16
30.1475	76	30.4075	23	40.0069	13	40.0237	16
30.1476	76	30.4076	23	40.0070	13	40.0238	16
30.1477	76	30.4080	30	40.0071	13	40.0239	16
30.1478	76	30.4081	30	40.0073	20	40.0245	14
30.1482.000	76	30.4124	86	40.0074	20	40.0246	14
30.1482.100	76	30.4125	86	40.0075	20	40.0247	14
30.1484	77	30.4126	86	40.0076	20	40.0248	14
30.1485	77	30.4130	56	40.0077	20	40.0249	14
30.1486	77	30.4169	62	40.0078	20	40.0251	33
30.2505.000	52	30.4171	62	40.0080	13	40.0252	31
30.2505.140	52	30.4172	62	40.0081	13	40.0255	31
30.2505.200	52	30.4173	62	40.0082	13	40.0256	20
30.2940	7	30.4174	62	40.0083	13	40.0257	20
30.2944	7	30.4175	63	40.0084	13	40.0258	20
30.2945	7	30.4176	63	40.0085	13	40.0259	20
30.2946	7	30.4177	63	40.0086	13	40.0260	31
30.2947	7	30.4178	63	40.0087	13	40.0261	31
30.2949	7	30.4179	63	40.0088	13	40.0262	10
30.3513.000	6	30.4180	63	40.0089	13	40.0263	10
30.3513.100	6	30.4181	63	40.0100	44	40.0264	10
30.3513.200	6	30.4182	63	40.0101	44	40.0266	11
30.4000	15	30.4183	63	40.0102	44	40.0267	11
30.4001	15	30.4200	23	40.0103	44	40.0268	11
30.4002	15	30.4201	23	40.0108	15	40.0269	11
30.4003	15	30.4202	23	40.0109	15	40.0270	11
30.4004	15	30.4203	24	40.0118	15	40.0271	11
30.4005	15	30.4204	24	40.0119	15	40.0272	11
30.4006	15	30.4205	24	40.0120	55	40.0273	11
30.4007	15	30.4206	24	40.0121	7	40.0274	11
30.4008	15	30.4207	24	40.0122	7	40.0275	60
30.4009	15	30.4208	24	40.0123	16	40.0276	11
30.4010	15	30.4209	24	40.0124	16	40.0277	11
30.4011	15	30.4210	24	40.0125	11	40.0278	11
30.4012	15	30.4211	24	40.0126	11	40.0279	20
30.4013	15	30.4212	24	40.0127	11	40.0280	50
30.4014	15	30.4213	24	40.0128	11	40.0281	50
30.4015	15	30.4214	24	40.0129	11	40.0282	20
30.4016	15	30.4220	58	40.0145	16	40.0283	20
30.4017	15	30.4220.100	58	40.0146	16	40.0284	20
30.4018	15	30.4221	58	40.0147	16	40.0286	20
30.4019	15	30.4221.100	58	40.0148	16	40.0287	20
30.4020	15	30.4222	58	40.0149	16	40.0288	50
30.4021	15	30.4223	58	40.0155	14	40.0289	50
30.4022	15	30.4225	60	40.0156	14	40.0290	7
30.4023	15	30.4351	91	40.0157	14	40.0301	13

Catalogue no. Nr katalogowy	Page Strona	Catalogue no. Nr katalogowy	Page Strona	Catalogue no. Nr katalogowy	Page Strona	Catalogue no. Nr katalogowy	Page Strona
40.0302	13	40.1208	25	40.2307	80	40.3353	5
40.0303	13	40.1209	25	40.2308	80	40.3354	5
40.0304	13	40.1210	25	40.2310	80	40.3355	5
40.0305	13	40.1211	25	40.2311	80	40.3356	6
40.0306	13	40.1212	25	40.2312	80	40.3356.005	6
40.0307	13	40.1213	25	40.2313	80	40.3357	6
40.0308	13	40.1214	25	40.2545	65	40.3357.005	6
40.0413	5	40.1215	25	40.2546	65	40.3358	6
40.0415	44	40.1216	25	40.2547	65	40.3358.005	6
40.0416	44	40.1217	25	40.2548	65	40.3359	6
40.0417	44	40.1218	25	40.2550	65	40.3359.005	6
40.0418	44	40.1350.000	68	40.2552	65	40.3563	20
40.0420	44	40.1363	64	40.2553	65	40.3564	20
40.0421	44	40.1364	64	40.2554	65	40.3566	38
40.0422	44	40.1365	64	40.3075	30	40.3567	38
40.0423	44	40.1386	64	40.3076	30	40.3570	70
40.0425	21	40.1387	64	40.3077	30	40.3599	65
40.0426	21	40.1388	64	40.3077.100	30	40.3674	64
40.0427	21	40.1391	85	40.3078	30	40.3694	70
40.0428	21	40.1392	85	40.3168	56	40.3695	70
40.0429	21	40.1393.008	85	40.3169	56	40.3800	32
40.0430	21	40.1393.012	85	40.3170	56	40.3801	32
40.0431	21	40.1394	85	40.3171	56	40.3802	32
40.0432	6	40.1898	64	40.3172	56	40.3803	32
40.0433	56	40.1899	64	40.3175	61	40.3804	32
40.0434	56	40.2036.150	64	40.3176	60	40.3805	32
40.0492	12	40.2037.150	64	40.3176.160	60	40.3806	32
40.0493	9	40.2038.150	64	40.3177	61	40.3807	32
40.0494	9	40.2040.150	64	40.3180	60	40.3808	32
40.0495	9	40.2040.200	64	40.3185	58	40.3809	32
40.0496	20	40.2041	64	40.3186	58	40.3809.100	32
40.0500	20	40.2042	64	40.3190	6	40.3811	33
40.0510	14	40.2043	64	40.3191	6	40.3812	33
40.0511	14	40.2044	64	40.3192	6	40.3813	33
40.0512	14	40.2045	64	40.3193	6	40.3814	33
40.0513	14	40.2046	64	40.3194	57	40.3815	33
40.0514	14	40.2047	64	40.3195	57	40.3816	33
40.0538	21	40.2049	64	40.3196.180	57	40.3817	33
40.0539	21	40.2050	64	40.3196.200	57	40.3818	33
40.0544	55	40.2051	64	40.3196.240	57	40.3819	33
40.0545	41	40.2052	64	40.3197.220	57	40.3820	35
40.0546	55	40.2053	64	40.3197.250	57	40.3821	35
40.0547	55	40.2054	64	40.3197.300	57	40.3822	35
40.0586	46	40.2055	64	40.3198	57	40.3823	35
40.0587	46	40.2056	64	40.3232	68	40.3824	35
40.0603	48	40.2057	64	40.3264	52	40.3825	35
40.0604	48	40.2058	64	40.3264.200	53	40.3827	35
40.0605	48	40.2059	64	40.3265	52	40.3828	35
40.0610	47	40.2060	64	40.3266	53	40.3829	35
40.0614	64	40.2061	64	40.3267	53	40.3830	35
40.0615	64	40.2062	64	40.3268	52	40.3831	36
40.0619	46, 47	40.2063	64	40.3269	52	40.3832	36
40.0621	46, 47	40.2064	64	40.3275	31	40.3833	36
40.0835	47	40.2068	64	40.3276	31	40.3834	36
40.0836	47	40.2069	64	40.3278	54	40.3835	36
40.0837	47	40.2135	64	40.3279	54	40.3837	36
40.0839	47	40.2137	64	40.3282	54	40.3838	36
40.0987.200	65	40.2178	28	40.3283	54	40.3839	36
40.1001.000	73	40.2179	28	40.3284	54	40.3840	36
40.1002.001	73	40.2180	28	40.3285	54	40.3841	36
40.1002.002	73	40.2181	28	40.3286	54	40.3843	37
40.1002.003	73	40.2182	28	40.3287	54	40.3844	37
40.1003.000	73	40.2183	28	40.3290	55	40.3845	37
40.1004.001	73	40.2184	28	40.3291	55	40.3846	37
40.1004.002	73	40.2185	26	40.3292	55	40.3895	38
40.1005.000	73	40.2186	26	40.3293	55	40.3896	38
40.1006.000	73	40.2187	26	40.3302	33	40.3897	38
40.1007.001	74	40.2188	26	40.3303	33	40.3898	38
40.1007.002	74	40.2189	26	40.3304	33	40.3899	38
40.1007.003	74	40.2190	26	40.3306	33	40.3900	38
40.1008.001	74	40.2191	26	40.3307	33	40.3901	38
40.1008.002	74	40.2192	26	40.3308	33	40.3902	38
40.1009.000	74	40.2193	26	40.3309	31	40.3903	38
40.1010.000	74	40.2194	26	40.3309.100	31	40.3904	38
40.1011.000	74	40.2195	27	40.3310	31	40.3905	39
40.1012.004	75	40.2196	27	40.3311	31	40.3906	39
40.1012.006	75	40.2197	27	40.3312	31	40.3907	39
40.1012.008	75	40.2198	27	40.3313	32	40.3908	39
40.1012.010	75	40.2199	27	40.3314	32	40.3909	39
40.1012.012	75	40.2200	27	40.3315	32	40.3910	39
40.1013.000	75	40.2201	27	40.3316	32	40.3911	39
40.1014.004	75	40.2203	27	40.3317	32	40.3912	39
40.1014.006	75	40.2204	27	40.3318	32	40.3913	39
40.1014.007	75	40.2205.032	30	40.3337.004	32	40.3914	39
40.1014.009	75	40.2205.038	30	40.3337.005	32	40.3915	39
40.1014.012	75	40.2290	80	40.3337.006	32	40.3916	39
40.1015.008	75	40.2291	80	40.3338.004	32	40.3917	39
40.1015.016	75	40.2292	80	40.3338.005	32	40.3921	39
40.1100	45	40.2293	80	40.3338.006	32	40.3922	39
40.1101	45	40.2295	80	40.3339	34	40.3924.001	68
40.1102	45	40.2296	80	40.3350.000	87	40.3925.000	68
40.1103	45	40.2297	80	40.3350.080	87	40.3926.000	68
40.1104	45	40.2298	80	40.3350.100	87	40.3927.000	68
40.1105	45	40.2305	80	40.3350.150	87	40.3928.000	68
40.1207	25	40.2306	80	40.3352	5	40.3929.000	68

Catalogue no. Nr katalogowy	Page Strona	Catalogue no. Nr katalogowy	Page Strona	Catalogue no. Nr katalogowy	Page Strona	Catalogue no. Nr katalogowy	Page Strona
40.3929.001	68, 69	40.4073	19	40.4251	70	40.4391.000	83
40.3929.580	69	40.4074	19	40.4265	80	40.4391.005	83
40.3930.000	68	40.4075	19	40.4266	80	40.4391.006	83
40.3976	17	40.4076	19	40.4267	80	40.4393.000	83
40.3977	17	40.4077	19	40.4268	80	40.4394.000	83
40.3978	17	40.4078	19	40.4269	80	40.4394.005	83
40.3979	17	40.4079	19	40.4270	80	40.4396.000	83
40.3980	17	40.4080	19	40.4271	80	40.4397.000	83
40.3981	17	40.4081	19	40.4272	80	40.4398	83
40.3982	17	40.4082	19	40.4273	80	40.4398.025	83
40.3983	17	40.4083	19	40.4274	80	40.4399	84
40.3984	17	40.4084	19	40.4275	80	40.4402	84
40.3985	17	40.4085	19	40.4276	80	40.4403	84
40.3986	17	40.4086	19	40.4277	80	40.4407	84
40.3987	17	40.4087	19	40.4278	80	40.4408	84
40.3988	17	40.4088	19	40.4279	80	40.4409	84
40.3989	17	40.4089	19	40.4280	80	40.4410	84
40.3990	17	40.4090	19	40.4281	80	40.4411	84
40.3991	17	40.4091	19	40.4282	80	40.4412	84
40.3992	17	40.4092	19	40.4283	80	40.4413	84
40.3993	17	40.4093	19	40.4284	80	40.4414	84
40.3994	17	40.4139	51	40.4285	80	40.4415	84
40.3995	17	40.4139.001	51	40.4286	80	40.4416	84
40.3996	17	40.4139.100	51	40.4287	80	40.4417	84
40.3997	17	40.4139.101	51	40.4288	80	40.4418	84
40.3998	17	40.4140	51	40.4289	80	40.4443	58
40.3999	17	40.4140.001	51	40.4290	80	40.4444	59
40.4000	17	40.4140.100	51	40.4291	80	40.4445	59
40.4001	17	40.4140.101	51	40.4292	80	40.4530	8
40.4002	17	40.4141	52	40.4293	80	40.4532	8
40.4003	17	40.4142	52	40.4294	80	40.4533	8
40.4004	17	40.4143	52	40.4295	80	40.4534	8
40.4005	17	40.4144	52	40.4296	80	40.4535	8
40.4006	17	40.4144.001	52	40.4297	80	40.4536	8
40.4007	17	40.4145	52	40.4298	80	40.4537	8
40.4008	17	40.4145.001	52	40.4299	80	40.4539	8
40.4009	17	40.4145.201	53	40.4300	80	40.4540	8
40.4010	17	40.4147	40	40.4301	80	40.4541	66
40.4011	17	40.4148	40	40.4302	80	40.4541.000	66
40.4012	17	40.4149	40	40.4303	80	40.4541.100	66
40.4013	17	40.4150	40	40.4304	80	40.4541.110	67
40.4014	17	40.4151	40	40.4305	80	40.4541.200	66
40.4015	17	40.4152	40	40.4306	80	40.4541.210	67
40.4016	17	40.4153	40	40.4307	80	40.4541.300	66
40.4017	17	40.4154	40	40.4308	80	40.4541.310	67
40.4018	17	40.4155	41	40.4334	81	40.4541.400	66
40.4019	17	40.4156	41	40.4335	81	40.4541.500	66
40.4020	17	40.4156.100	41	40.4336	81	40.4541.510	67
40.4021	18	40.4157	41	40.4337	81	40.4542	66
40.4022	18	40.4158	41	40.4338	81	40.4542.000	66
40.4023	18	40.4159	41	40.4339	81	40.4542.100	66
40.4024	18	40.4160	41	40.4340	81	40.4542.110	67
40.4025	18	40.4161.200	41	40.4341	81	40.4542.200	66
40.4026	18	40.4200	41	40.4342	81	40.4542.210	67
40.4027	18	40.4201	41	40.4343	81	40.4542.300	66
40.4028	18	40.4202	42	40.4344	81	40.4542.310	67
40.4029	18	40.4203	42	40.4345	81	40.4542.400	66
40.4030	18	40.4204	42	40.4346	81	40.4542.500	66
40.4031	18	40.4205	42	40.4347	81	40.4542.510	67
40.4032	18	40.4206	42	40.4348	81	40.4543	66
40.4033	18	40.4207	42	40.4349	81	40.4543.000	66
40.4034	18	40.4208	42	40.4350	81	40.4543.100	66
40.4035	18	40.4209	42	40.4351	81	40.4543.110	67
40.4036	18	40.4210	42	40.4352	81	40.4543.200	66
40.4037	18	40.4211	42	40.4353	81	40.4543.210	67
40.4038	18	40.4212	43	40.4354	81	40.4543.300	66
40.4039	18	40.4213	43	40.4355	81	40.4543.310	67
40.4040	18	40.4214	43	40.4356	81	40.4543.400	66
40.4041	18	40.4215	43	40.4357	81	40.4543.500	66
40.4042	18	40.4216	43	40.4358	81	40.4543.510	67
40.4047	18	40.4217	43	40.4359	81	40.4544	66
40.4048	18	40.4218	43	40.4360	81	40.4544.000	66
40.4049	18	40.4219	43	40.4361	81	40.4544.100	66
40.4050	18	40.4220	43	40.4366	81	40.4544.110	67
40.4051	18	40.4221	43	40.4367	81	40.4544.200	66
40.4052	18	40.4222	43	40.4368	81	40.4544.210	67
40.4053	18	40.4223	43	40.4369	81	40.4544.300	66
40.4054	18	40.4224	43	40.4370	82	40.4544.310	67
40.4055	18	40.4225	44	40.4371	82	40.4544.400	66
40.4056	18	40.4226	44	40.4372	82	40.4544.500	66
40.4057	18	40.4227	44	40.4373.150	82	40.4544.510	67
40.4058	18	40.4228	44	40.4374.150	82	40.4545	66
40.4059	18	40.4229	43	40.4375.150	82	40.4545.000	66
40.4060	18	40.4230	43	40.4376	82	40.4545.100	66
40.4061	18	40.4231	43	40.4380.000	83	40.4545.110	67
40.4062	18	40.4232	43	40.4381.000	83	40.4545.200	66
40.4063	18	40.4233	43	40.4382.000	83	40.4545.210	67
40.4064	18	40.4234	45	40.4382.005	83	40.4545.300	66
40.4065	18	40.4235	45	40.4382.006	83	40.4545.310	67
40.4066	18	40.4236	45	40.4384.000	83	40.4545.400	66
40.4067	18	40.4243	45	40.4385.000	83	40.4545.500	66
40.4068	18	40.4245	70	40.4385.005	83	40.4545.510	67
40.4069	19	40.4246	70	40.4387.000	83	40.4546	66
40.4070	19	40.4248	70	40.4388.000	83	40.4546.000	66
40.4071	19	40.4249	70	40.4389.000	83	40.4546.100	66
40.4072	19	40.4250	70	40.4390.000	83	40.4546.110	67

Catalogue no. Nr katalogowy	Page Strona	Catalogue no. Nr katalogowy	Page Strona	Catalogue no. Nr katalogowy	Page Strona	Catalogue no. Nr katalogowy	Page Strona
40.4546.200	66	40.5108.110	67	40.5116.510	67	40.8853.000	69
40.4546.210	67	40.5108.200	66	40.5117	66	40.8854.000	69
40.4546.300	66	40.5108.210	67	40.5117.000	66		
40.4546.310	67	40.5108.300	66	40.5117.100	66	A	
40.4546.400	66	40.5108.310	67	40.5117.110	67	Adson	21, 36
40.4546.500	66	40.5108.400	66	40.5117.200	66	Adson-Baby	77
40.4546.510	67	40.5108.500	66	40.5117.210	67	Aleksander	16
40.4547	66	40.5108.510	67	40.5117.300	66		
40.4547.000	66	40.5109	66	40.5117.310	67	B	
40.4547.100	66	40.5109.000	66	40.5117.400	66	Bailey	86
40.4547.110	67	40.5109.100	66	40.5117.500	66	Bailey-Baby	86
40.4547.200	66	40.5109.110	67	40.5117.510	67	Bailey-Gibbon	86
40.4547.210	67	40.5109.200	66	40.5118	66	Bennet	27
40.4547.300	66	40.5109.210	67	40.5118.000	66	Bergman	20
40.4547.310	67	40.5109.300	66	40.5118.100	66	Beyer	31
40.4547.400	66	40.5109.310	67	40.5118.110	67	Bircher-Ganske	41
40.4547.500	66	40.5109.400	66	40.5118.200	66	Blount	30
40.4547.510	67	40.5109.500	66	40.5118.210	67	Blumenthal	36
40.4548	66	40.5109.510	67	40.5118.300	66	Böhler	32, 38
40.4548.000	66	40.5110	66	40.5118.310	67	Bruns	17, 18, 54
40.4548.100	66	40.5110.000	66	40.5118.400	66	Buck-Gramcko	26
40.4548.110	67	40.5110.100	66	40.5118.500	66		
40.4548.200	66	40.5110.110	67	40.5118.510	67	C	
40.4548.210	67	40.5110.200	66	40.5119	66	Caspar	9, 83
40.4548.300	66	40.5110.210	67	40.5119.000	66	Catlin	7
40.4548.310	67	40.5110.300	66	40.5119.100	66	ChM	13
40.4548.400	66	40.5110.310	67	40.5119.110	67	Cieźarki do wyciągu	47
40.4548.500	66	40.5110.400	66	40.5119.200	66	Cleveland	36, 38
40.4548.510	67	40.5110.500	66	40.5119.210	67	Cloward	82, 85
40.4575	6	40.5110.510	67	40.5119.300	66	Cobb	12
40.4576	8	40.5111	66	40.5119.310	67	Cone	76
40.4584	64	40.5111.000	66	40.5119.400	66	Cottle	75
40.4747.500	68	40.5111.100	66	40.5119.500	66	Cottle Fishtail	75
40.4749.580	69	40.5111.110	67	40.5119.510	67	Cushing	81
40.4749.600	68, 69	40.5111.200	66	40.6016	42		
40.4783	79	40.5111.210	67	40.6069	48	D	
40.5045.000	50	40.5111.300	66	40.6375.000	68	Daubenspeck	18
40.5103	66	40.5111.310	67	40.7208.030	79	Demel	56
40.5103.000	66	40.5111.400	66	40.7212.180	79	Dingmann	40
40.5103.100	66	40.5111.500	66	40.7212.280	79	Doyen	24
40.5103.110	67	40.5111.510	67	40.7215.000	29		
40.5103.200	66	40.5112	66	40.7215.130	29	E	
40.5103.210	67	40.5112.000	66	40.7216	79	Echlin	31
40.5103.300	66	40.5112.100	66	40.7218	79	Ekstraktor	79
40.5103.310	67	40.5112.110	67	40.7232.000	29	Elektryczna piła	50
40.5103.400	66	40.5112.200	66	40.7234.000	29	Engel	55
40.5103.500	66	40.5112.210	67	40.7243.100	92	Esmarch	54, 55
40.5103.510	67	40.5112.300	66	40.7243.150	92		
40.5104	66	40.5112.310	67	40.7243.200	92	F	
40.5104.000	66	40.5112.400	66	40.7243.300	92	Farabeuf	21, 42
40.5104.100	66	40.5112.500	66	40.7243.500	92	Farabeuf-Lambotte	42
40.5104.110	67	40.5112.510	67	40.7244.500	92	Ferguson	41
40.5104.200	66	40.5113	66	40.7248	59	Ferris-Smith	84
40.5104.210	67	40.5113.000	66	40.7249	59	Ferris-Smith-Kerrison	80
40.5104.300	66	40.5113.100	66	40.7250	59	Freer	73, 74
40.5104.310	67	40.5113.110	67	40.7251	59	Freer - Joseph	73
40.5104.400	66	40.5113.200	66	40.7252	59	Freer - Yasargil	73
40.5104.500	66	40.5113.210	67	40.7253	61	Friedmann	35
40.5104.510	67	40.5113.300	66	40.7253.100	61	Frykholm	32
40.5105	66	40.5113.310	67	40.7254	61		
40.5105.000	66	40.5113.400	66	40.7261	42	G	
40.5105.100	66	40.5113.500	66	40.7262	42	Gallaher	8
40.5105.110	67	40.5113.510	67	40.7262.001	42	Gerster	45
40.5105.200	66	40.5114	66	40.7262.002	42	Gester-Lowman	45
40.5105.210	67	40.5114.000	66	40.7263	42	Gigli	6
40.5105.300	66	40.5114.100	66	40.7271	65	Gruenwald	81
40.5105.310	67	40.5114.110	67	40.7272	65		
40.5105.400	66	40.5114.200	66	40.8395	78	H	
40.5105.500	66	40.5114.210	67	40.8396	78	Haglund-Stille	55
40.5105.510	67	40.5114.300	66	40.8538.000	68, 69	Hajek	20
40.5106	66	40.5114.310	67	40.8709	48	Halle	19
40.5106.000	66	40.5114.400	66	40.8832.000	69	Henning	55
40.5106.100	66	40.5114.500	66	40.8833.100	69	Hercules	62, 63
40.5106.110	67	40.5114.510	67	40.8833.200	69	Hey-Groves	45
40.5106.200	66	40.5115	66	40.8833.300	69	Hibbs	14, 15
40.5106.210	67	40.5115.000	66	40.8833.500	69	Hohmann	26, 27
40.5106.300	66	40.5115.100	66	40.8834.000	69	Hohmann - Aldinger	27
40.5106.310	67	40.5115.110	67	40.8835.000	69	Hopkins	55
40.5106.400	66	40.5115.200	66	40.8836.000	69	Howarth	24
40.5106.500	66	40.5115.210	67	40.8837.000	69		
40.5106.510	67	40.5115.300	66	40.8838.000	69		
40.5107	66	40.5115.310	67	40.8839.000	69		
40.5107.000	66	40.5115.400	66	40.8840.000	69		
40.5107.100	66	40.5115.500	66	40.8841.000	69		
40.5107.110	67	40.5115.510	67	40.8842.000	69		
40.5107.200	66	40.5116	66	40.8843.000	69		
40.5107.210	67	40.5116.000	66	40.8844.000	69		
40.5107.300	66	40.5116.100	66	40.8845.000	69		
40.5107.310	67	40.5116.110	67	40.8846.000	69		
40.5107.400	66	40.5116.200	66	40.8847.000	69		
40.5107.500	66	40.5116.210	67	40.8848.000	69		
40.5107.510	67	40.5116.300	66	40.8849.000	69		
40.5108	66	40.5116.310	67	40.8850.000	69		
40.5108.000	66	40.5116.400	66	40.8851.000	69		
40.5108.100	66	40.5116.500	66	40.8852.000	69		

Catalogue no. Nr katalogowy	Page Strona	Catalogue no. Nr katalogowy	Page Strona	Catalogue no. Nr katalogowy	Page Strona	Catalogue no. Nr katalogowy	Page Strona
I		Selverstone 84					
Inge 85		Semb 24, 32, 39, 41					
J		Seutin 54					
Jansen 19, 31		Simon 18					
Joseph 8, 23		Smith - Petersen 15					
K		Spratt 18					
Kern 42		Spurling 81					
L		Stellbrink 35					
Lambotte 10, 21, 43		Stille 14, 54					
Lambotte - mini 10		Stille-Liston 39					
Lane 43		Stille Luer 32					
Lange-Hohmann 26		Stille-Luer 31					
Lange-Hohmann modyf. 26		Stille-Ruskin 31					
Langenbeck 7, 8, 21, 41		Sypert 34					
Leksell 33		T					
Lempert 19, 37		Taylor 30					
Lewin 40		U					
Lexer 11		Uchwyt do ciężarków 47					
Lexer - mini 11		Ulrich 44					
Lister 52, 53		V					
Lister (Excentric) 52		Van-Buren 41					
Liston 7, 39		Verbrugge 43, 44					
Liston Key 39		Verbrugge-Baby 44					
Liston mini 38		Volkman 17, 19					
Loute 56		W					
Lowman-Baby 45		Wagner 22, 26, 83					
Lowman-Hougland 45		Weitlaner-Loktite 76					
Lucas 15		Weitlaner-Wullstein 76					
Luer 35		West 74					
M		Williger 23					
Mac Evan - Stille 14		Willingier 18, 19					
Mannerfelt 10, 71, 72, 73, 74		Wolf 55					
Martel 6		Y					
Martini 19		Yasargil 84					
McDonald 23		Z					
Mc Indoe 38		Zaufal Jansen 31					
Mick 53							
Micro-Friedmann 36							
Milligan 76							
Mini-Friedmann 35							
Mini-Hohmann 26							
Mollison 77							
N							
Nóż Virchowa 6							
O							
Oldberg 82							
Olivecron 35							
Olivecrona 6							
Ołowiana ręka 49							
P							
Partsch 16							
Passow 9							
Putti 8							
R							
Rączka Steinmanna 65							
Reiner 55							
Resano 79							
Rottgen-Ruskin 32							
Rubin 37							
Ruskin 32, 38							
Ruskin-Liston 38							
S							
Sauerbruch 33							
Schede 17							
Schlesinger 82							
Sedillot 23							

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