

NARZĘDZIA CHIRURGICZNE SURGICAL INSTRUMENTS



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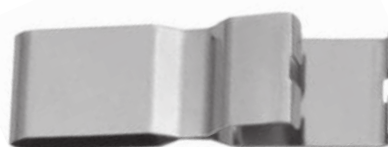
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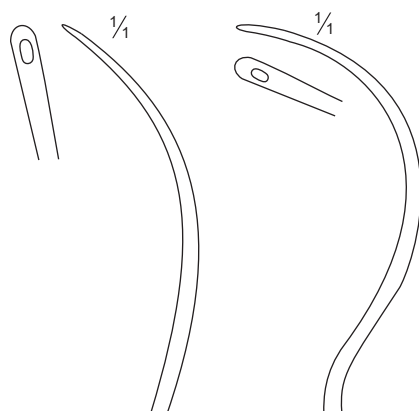


Nr 3	Nr 3L	Nr 3L	Nr 4	Nr 4L	Nr 4L	Nr 7
30.0041	30.0042	30.0098	30.0043	30.0044	30.0099	30.0046
125 mm	210 mm	210 mm	135 mm	220 mm	220 mm	160 mm



30.4350

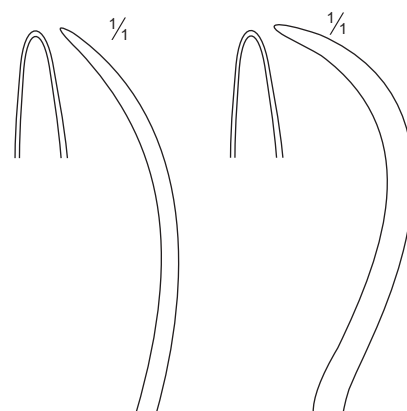
Uchwyt do zdejmowania ostrza
Scalpel blade remover



30.4160

30.4161

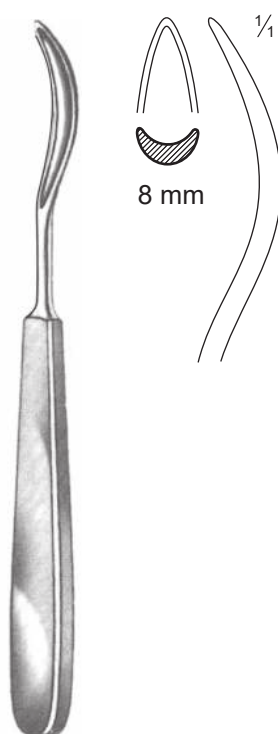
Brunner
300 mm



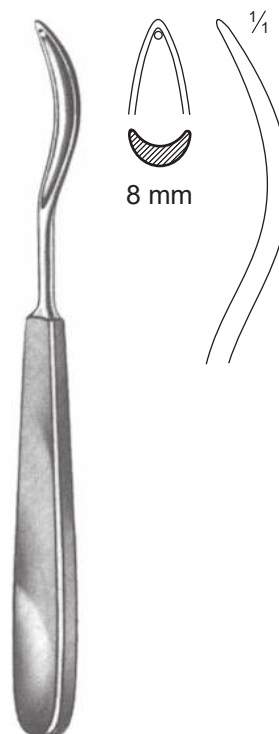
30.4162

30.4163

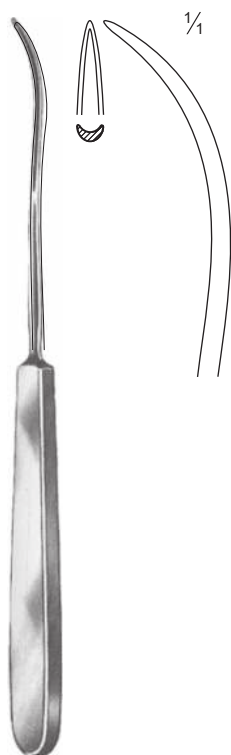
Brunner
300 mm



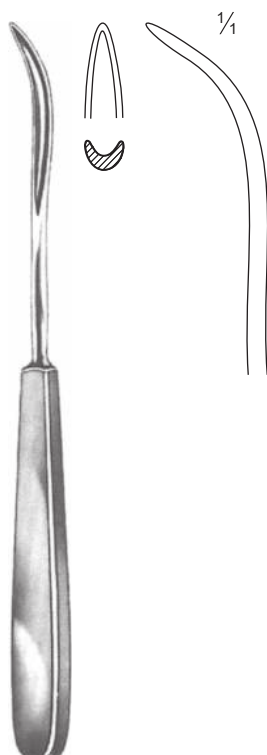
Schmieden
30.4164
190 mm



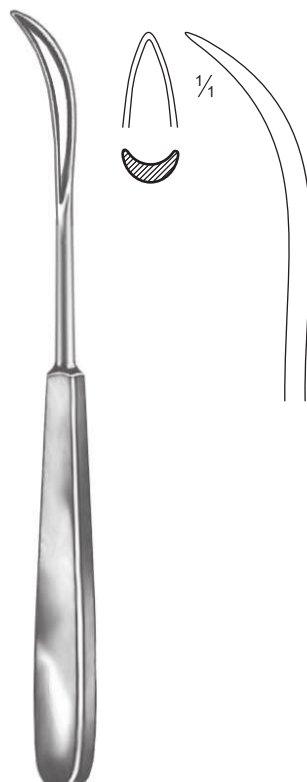
Schmieden-Payr
30.4165
190 mm



König
30.4166
195 mm



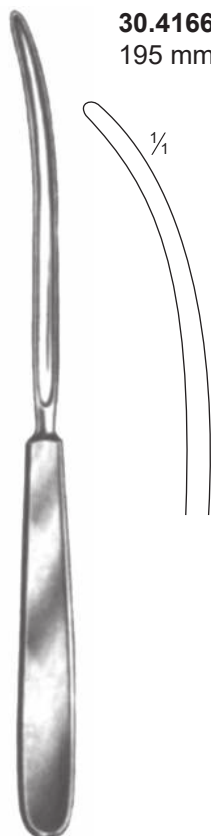
König
30.4167
195 mm



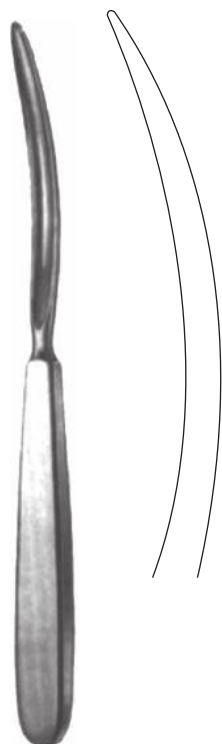
König
30.4168
200 mm



Payr
30.4184
220 mm



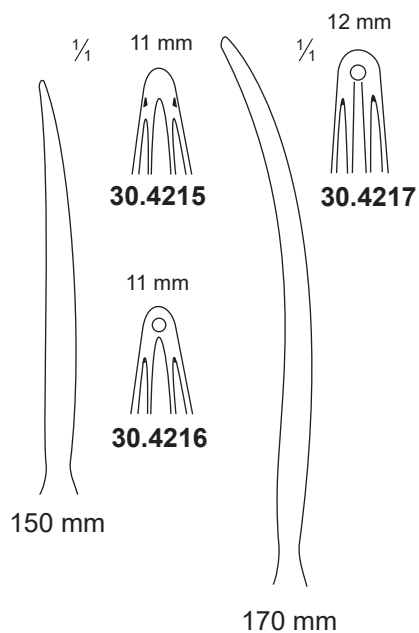
Payr
30.4185
220 mm



30.4186
195 mm



Kocher





Reverdin
140 mm



30.4187



30.4188



30.4189



30.4190



Reverdin



30.4191
195 mm



30.4192
195 mm



30.4193
195 mm



30.4194
195 mm



30.4195
225 mm



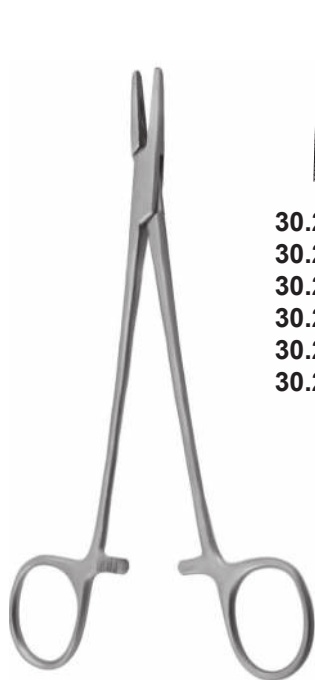
30.4196
225 mm



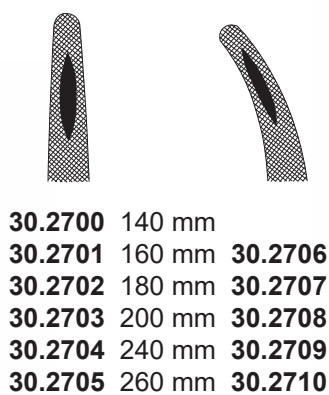
30.4197
225 mm



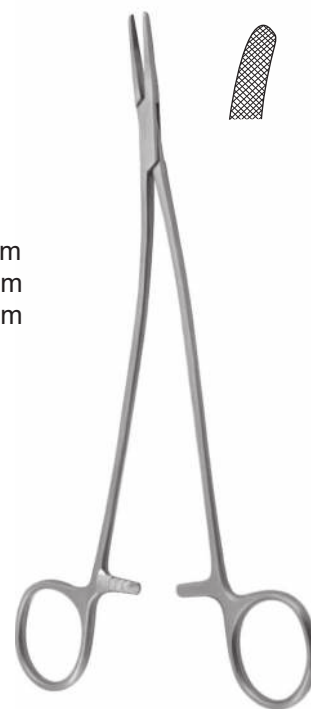
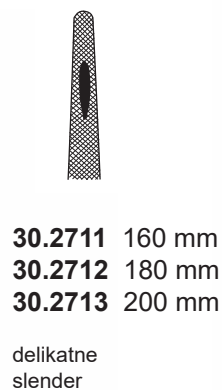
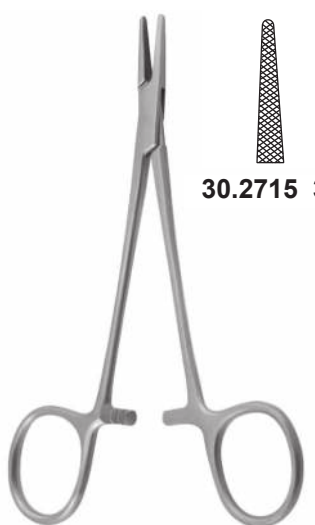
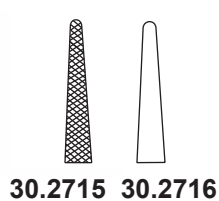
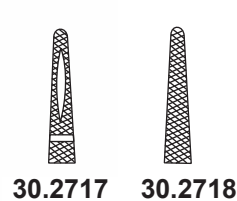
30.4198
225 mm



Mayo-Hegar



Mayo-Hegar


Stratte
30.2714
 230 mm

Halsey
 130 mm

Crile-Wood
 150 mm

Webster
30.2719
 130 mm



Collier
30.2720
125 mm



M.G.H
30.2721
170 mm



Sarot
30.2722 180 mm
30.2723 260 mm

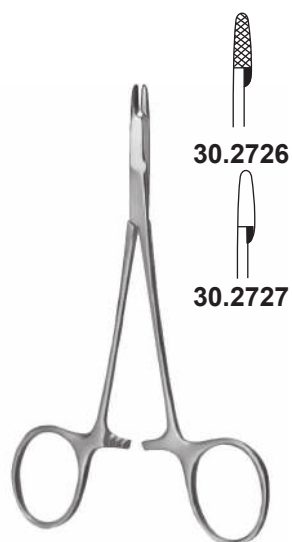


Derf
125 mm



Brown
30.2730 130 mm
30.2731 180 mm

igłotrzymacze z nożyczkami • needle holders with scissors



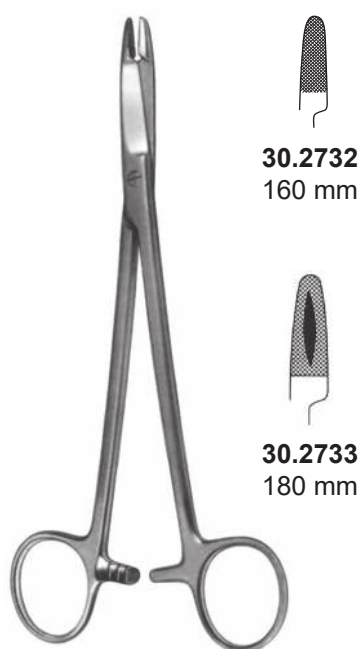
Baby-Olsen-Hegar
115 mm



Olsen-Hegar
30.2728
140 mm



Gillies
30.2729
160 mm



Olsen-Hegar



Olsen-Hegar
30.2680
140 mm



Olsen-Hegar
30.2681
170 mm



30.2734 150 mm
30.2735 180 mm
30.2736 200 mm
30.2737 230 mm

Crile-Wood



30.2738
180 mm

Adson

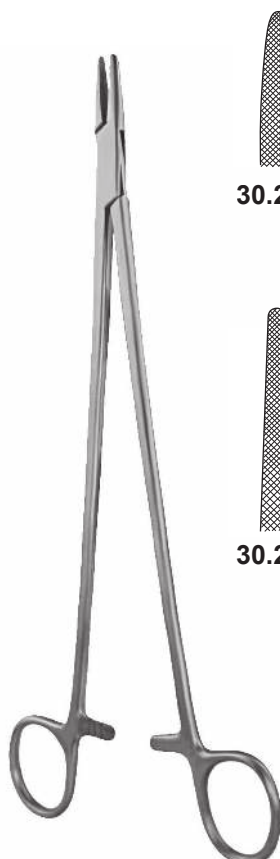


30.2739
150 mm

Crile



Heaney
30.2740 210 mm
30.2741 260 mm



Wangensteen
270 mm

30.2742
30.2743



Finochietto
30.2744
270 mm



Masson
30.2745
270 mm



30.2746 170 mm
30.2747 200 mm



30.2748 170 mm
30.2749 200 mm

Mathieu



30.2750 140 mm **30.2753**
30.2751 170 mm **30.2754**
30.2752 200 mm **30.2755**

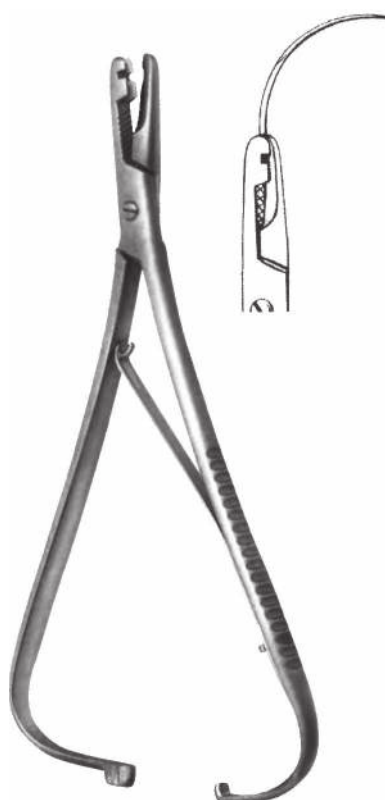


30.2756 140 mm
30.2757 170 mm

Mathieu



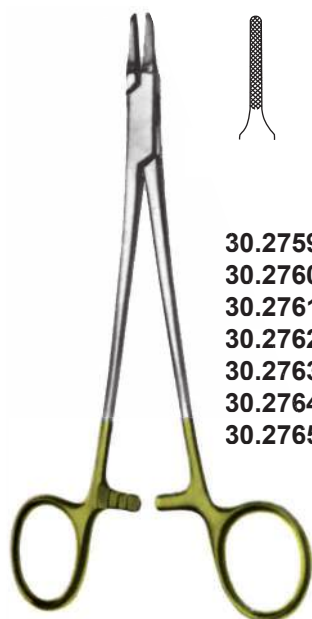
Hegar-Baum
30.2758
140 mm



Ermold
30.2683
170 mm



Jameson
30.2684
230 mm



30.2759	130 mm	1,2 mm
30.2760	145 mm	1,4 mm
30.2761	160 mm	1,5 mm
30.2762	180 mm	1,7 mm
30.2763	200 mm	2,0 mm
30.2764	230 mm	2,2 mm
30.2765	260 mm	2,4 mm

French



30.2766	140 mm	30.2690	180 mm
30.2767	160 mm	30.2691	200 mm
30.2768	180 mm	30.2692	230 mm
30.2769	200 mm	30.2693	260 mm
30.2770	230 mm		
30.2771	260 mm		

Mayo-Hegar



30.2772

30.2773

Halsey

130 mm



30.2774

Webster

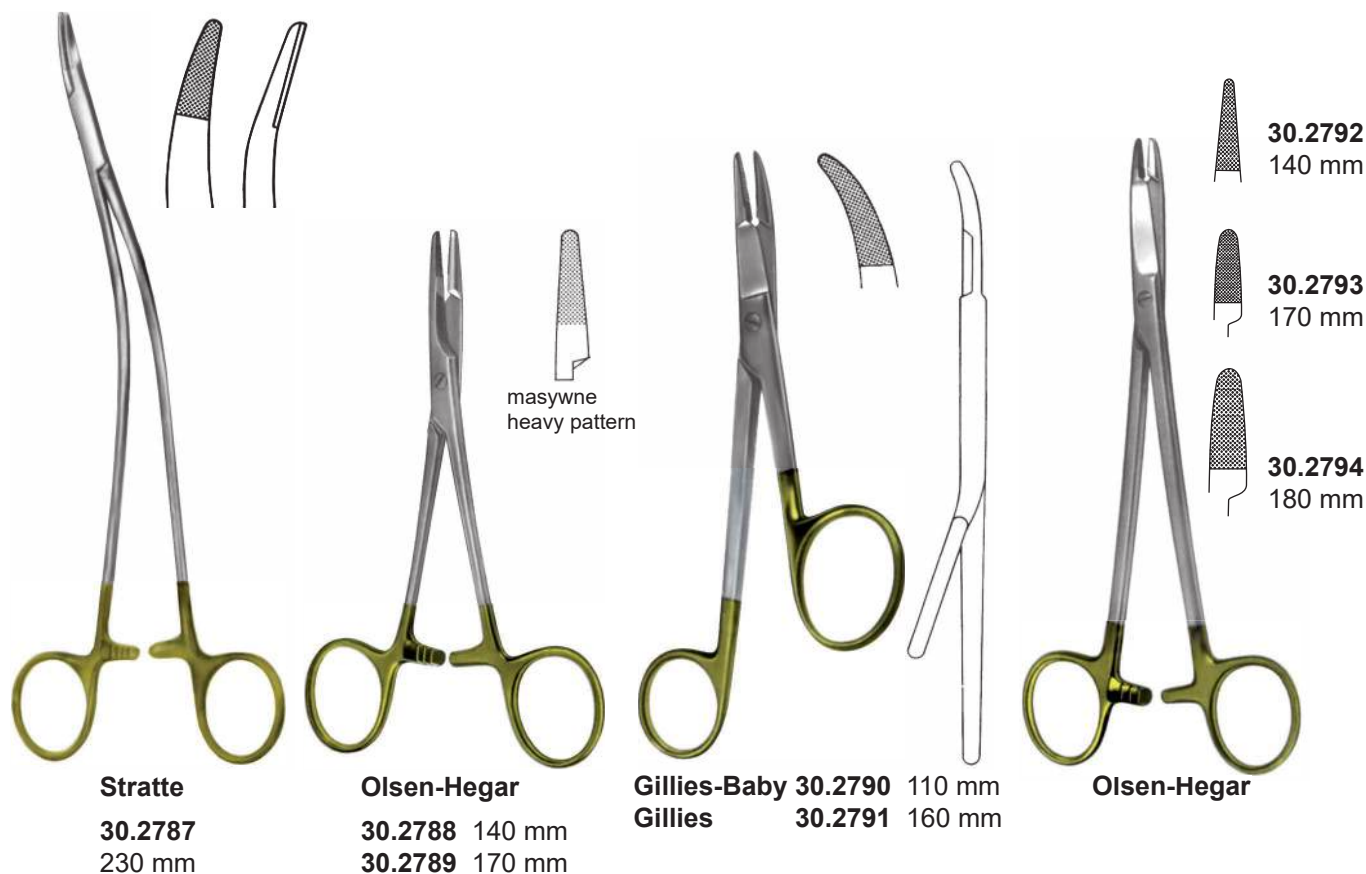
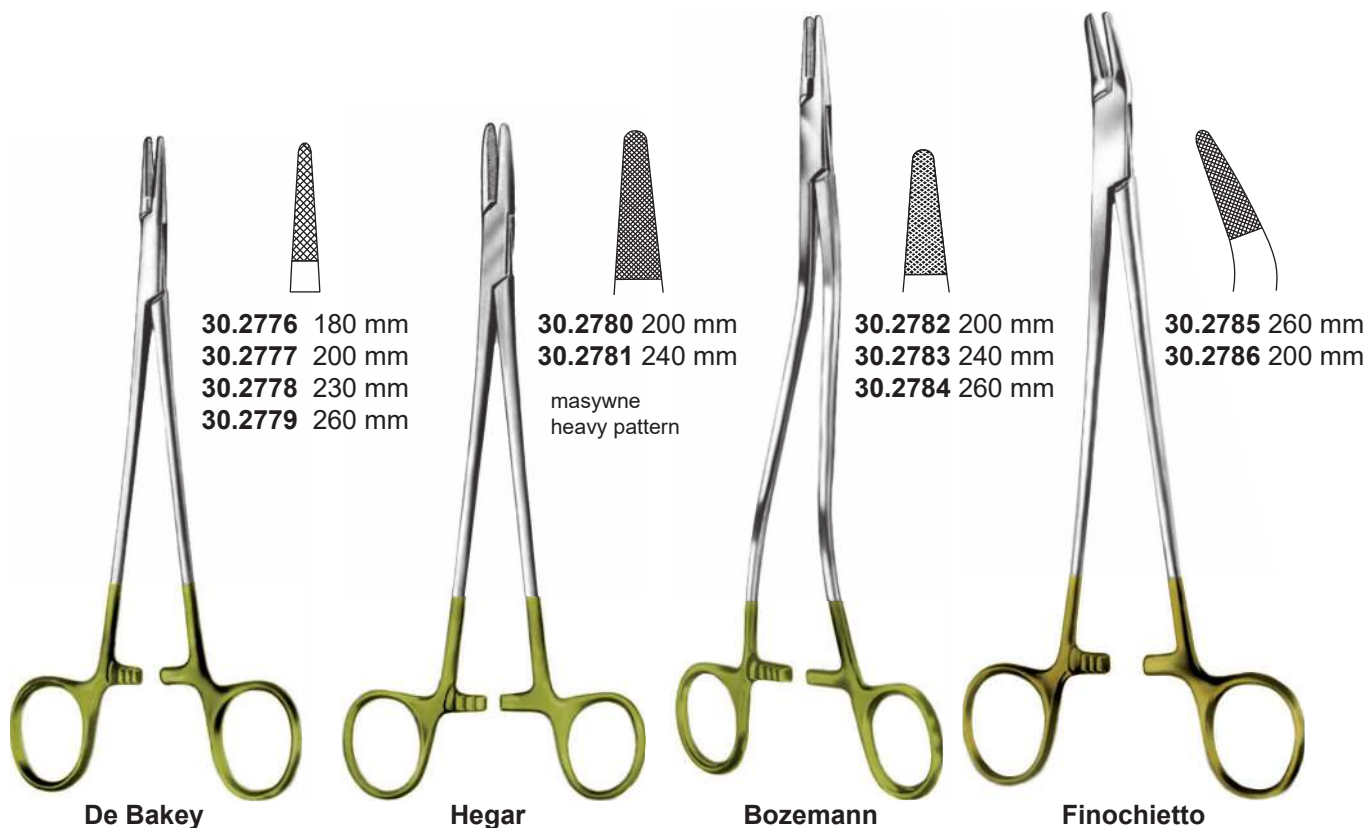
130 mm



30.2775

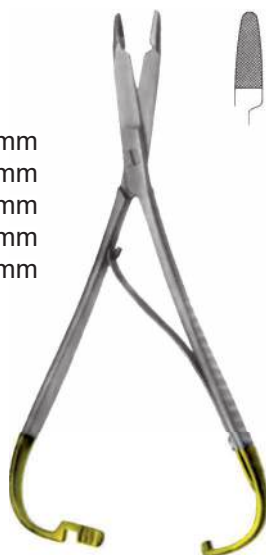
Mayo-Hegar

300 mm




Crile-Wood

30.2795 150 mm
30.2796 180 mm
30.2797 200 mm
30.2798 230 mm
30.2799 260 mm


Olsen- Mathieu

30.2694
 140 mm


Olsen- Mathieu

30.2695 170 mm
30.2696 200 mm


Mathieu

30.2800 170 mm
30.2801 200 mm

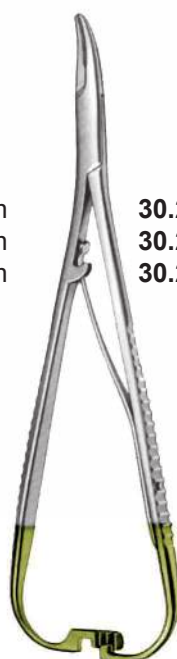

Mathieu

30.2802 170 mm
30.2803 200 mm

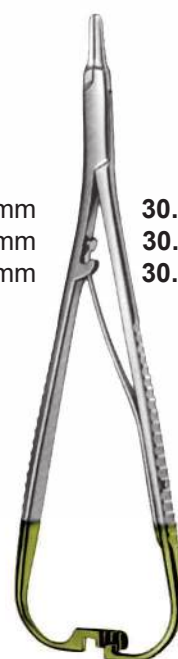
masywne
 heavy pattern


Mathieu

30.2804 140 mm
30.2805 170 mm
30.2806 200 mm


Mathieu

30.2807 140 mm
30.2808 170 mm
30.2809 200 mm


French- Mathieu

30.2810 140 mm
30.2811 170 mm
30.2812 200 mm


Derf
30.2814
125 mm

Baumgartner
30.2815.000 130 mm
30.2815.140 140 mm

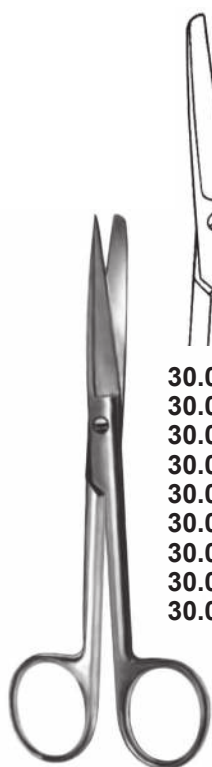
Heaney
30.2816 200 mm
30.2817 260 mm

Sarot
30.2818 180 mm
30.2819 200 mm
30.2820 260 mm

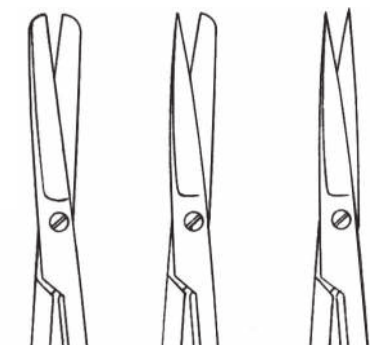
Masson
30.2821
270 mm

Baby-Olsen-Hegar
30.2822 115 mm
30.2823 115 mm

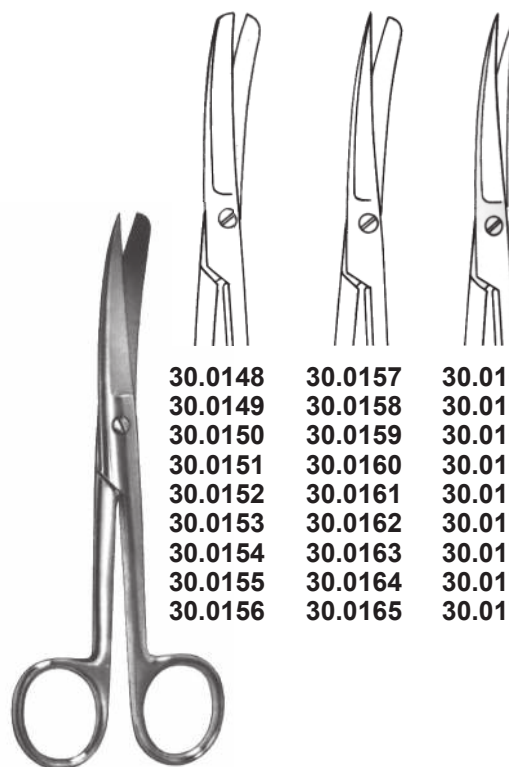
Castroviejo
30.2685.140 140 mm
30.2685.180 180 mm
30.2685.220 220 mm
30.2686.140
30.2686.180
30.2686.220
30.2687.140 140 mm
30.2688.140
30.2689.140 140 mm
30.2689.180 180 mm
bez zamka
without ratchet



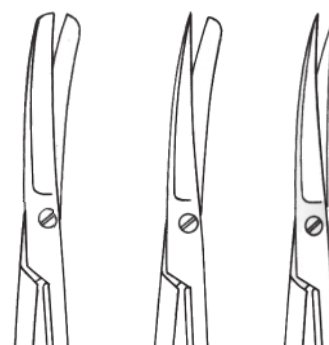
Standard
proste · straight



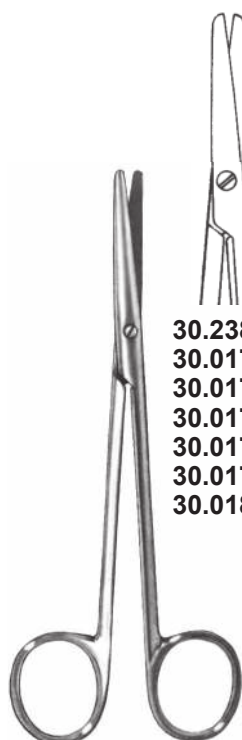
30.0121	30.0130	30.0139	105 mm
30.0122	30.0131	30.0140	115 mm
30.0123	30.0132	30.0141	130 mm
30.0124	30.0133	30.0142	145 mm
30.0125	30.0134	30.0143	155 mm
30.0126	30.0135	30.0144	165 mm
30.0127	30.0136	30.0145	175 mm
30.0128	30.0137	30.0146	185 mm
30.0129	30.0138	30.0147	200 mm



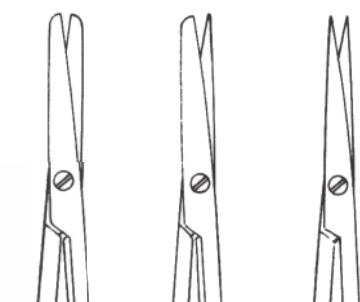
Standard
odgięte · curved



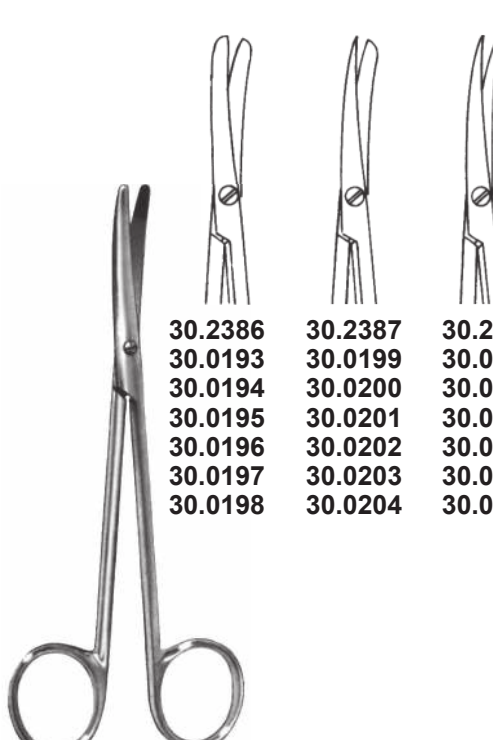
30.0148	30.0157	30.0166	105 mm
30.0149	30.0158	30.0167	115 mm
30.0150	30.0159	30.0168	130 mm
30.0151	30.0160	30.0169	145 mm
30.0152	30.0161	30.0170	155 mm
30.0153	30.0162	30.0171	165 mm
30.0154	30.0163	30.0172	175 mm
30.0155	30.0164	30.0173	185 mm
30.0156	30.0165	30.0174	200 mm



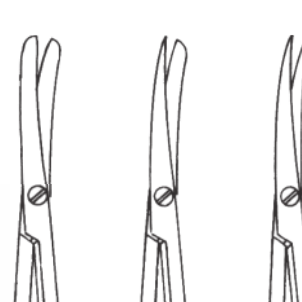
Metzenbaum
proste · straight



30.2383	30.2384	30.2385	145 mm
30.0175	30.0181	30.0187	180 mm
30.0176	30.0182	30.0188	200 mm
30.0177	30.0183	30.0189	230 mm
30.0178	30.0184	30.0190	250 mm
30.0179	30.0185	30.0191	280 mm
30.0180	30.0186	30.0192	300 mm



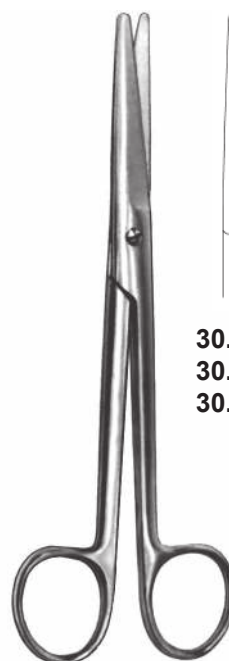
Metzenbaum
odgięte · curved



30.2386	30.2387	30.2388	145 mm
30.0193	30.0199	30.0205	180 mm
30.0194	30.0200	30.0206	200 mm
30.0195	30.0201	30.0207	230 mm
30.0196	30.0202	30.0208	250 mm
30.0197	30.0203	30.0209	280 mm
30.0198	30.0204	30.0210	300 mm



30.2328.090	90 mm	30.2329.090
30.2328.010	100 mm	30.2329.010
30.2328.011	110 mm	30.2329.011
30.2328.012	120 mm	30.2329.012



30.2331	150 mm	30.2335
30.2332	170 mm	30.2336
30.2333	230 mm	30.2337

Mayo

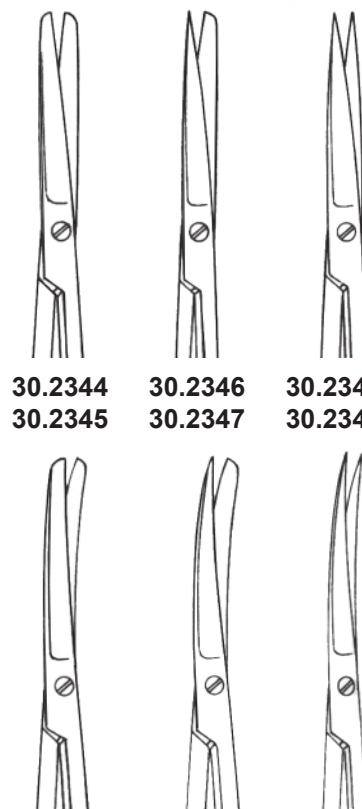


30.2338	150 mm	30.2341
30.2339	170 mm	30.2342
30.2340	210 mm	30.2343

Mayo-Stille



Brazil



30.2344	30.2346	30.2348	130 mm
30.2345	30.2347	30.2349	145 mm

30.2350	30.2352	30.2354	130 mm
30.2351	30.2353	30.2355	145 mm

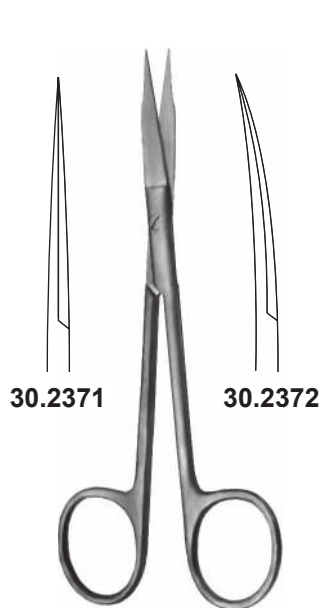


do nacięć • for incisions

brzuszne • abdominal


30.2364 130 mm
30.2365 145 mm

30.2366 145 mm **30.2578**
30.2577 170 mm **30.2579**
30.2367 160 mm **30.2369**
30.2368 175 mm **30.2370**



Goldmann-Fox

130 mm



Mayo-Lexer

30.2373.000 160 mm **30.2374.000**

wąskie • delicate

30.2373.100 **30.2374.100**



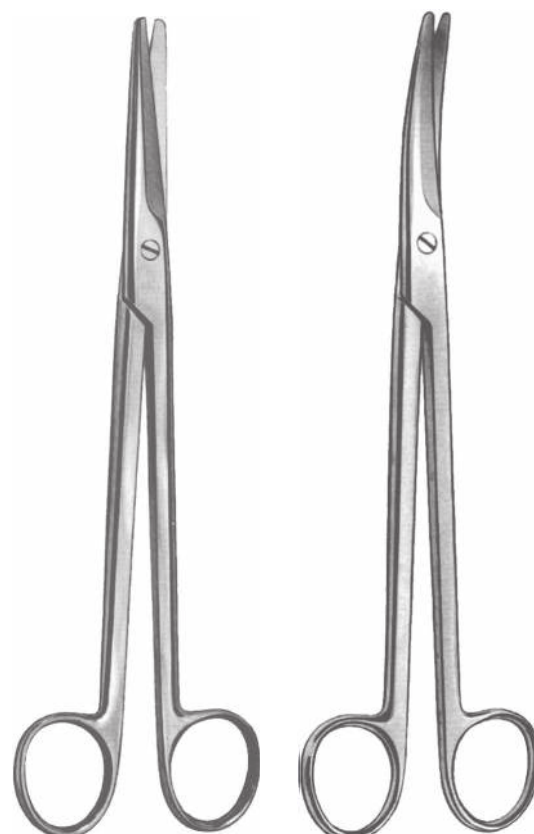
Baby-Lexer

30.2375 100 mm **30.2376**



Mayo-Noble

30.2378 170 mm **30.2380**

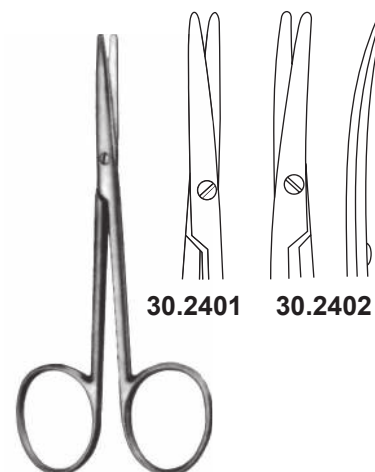


Mayo-Harrington

30.2382 230 mm **30.2381**
(proste) (odgięte)



Metzenbaum-Lahey
30.2395 140 mm **30.2396**



**Metzenbaum
(Strabismus)**
115 mm



Kelly
30.2403 160 mm **30.2405**
30.2404 180 mm **30.2406**

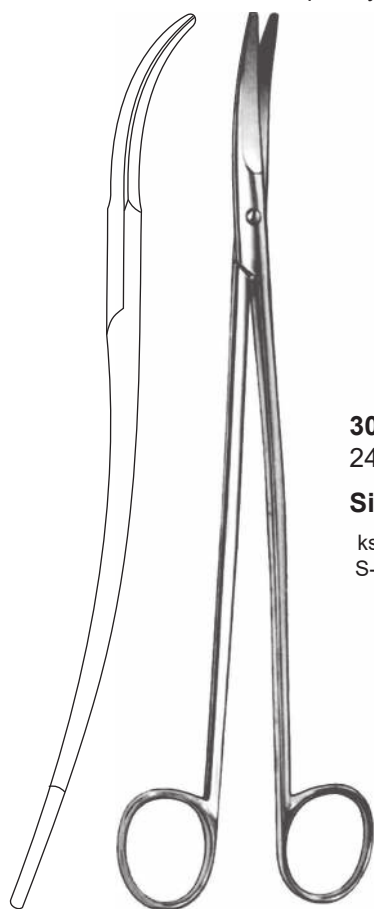


Joseph
30.2407 145 mm **30.2408**



Kilner
30.2409 130 mm
30.2410 150 mm

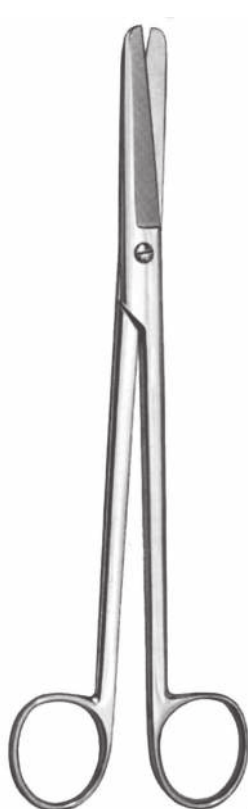
operacyjne, ginekologiczne • operating, gynecological



30.2397
240 mm
Siebold
kształt S
S-curved



30.2398 145 mm
30.2399 195 mm
30.2400 225 mm
Wertheim

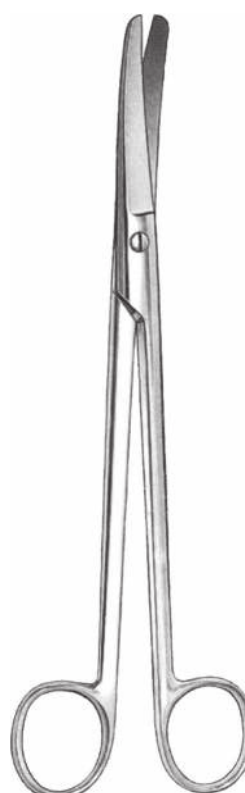


Sims

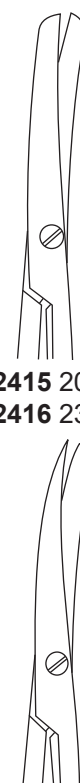


30.2411 200 mm
30.2412 230 mm

30.2413 200 mm
30.2414 230 mm



Sims



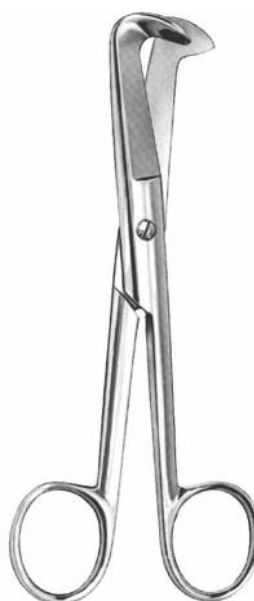
30.2415 200 mm
30.2416 230 mm

30.2417 200 mm
30.2418 230 mm

ginekologiczne, położnicze • umbilical and perineum



Dubois
30.2419 270 mm **30.2420**



Schumacher
30.2422
155 mm



Busch
30.2423 130 mm
30.2424 160 mm



Mod. USA
30.2421
105 mm



Braun-Stadler
30.2425 145 mm
30.2426 220 mm



Waldmann
30.2531
180 mm

preparacyjne i naczyniowe • dissecting and vascular



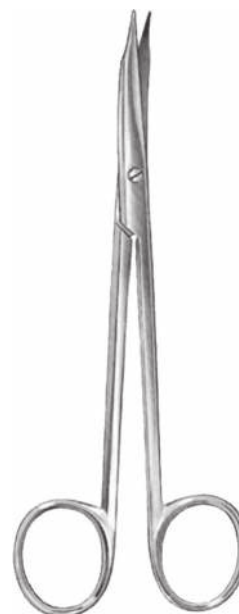
Tönnis

30.2427 180 mm **30.2428**



Adson-Tönnis

30.2429 175 mm

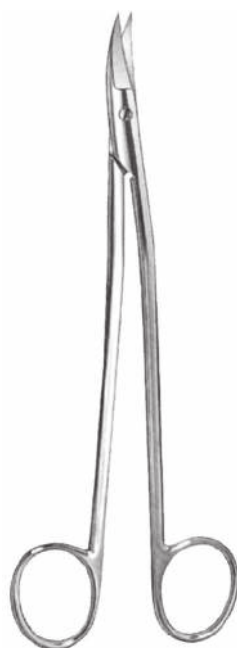


Reynolds

30.2430 160 mm



30.2431
115 mm



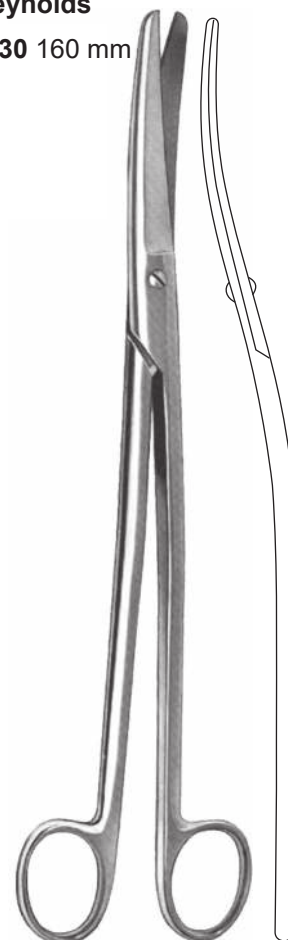
Dandy
30.2432
170 mm



Potts-Smith
30.2433
190 mm

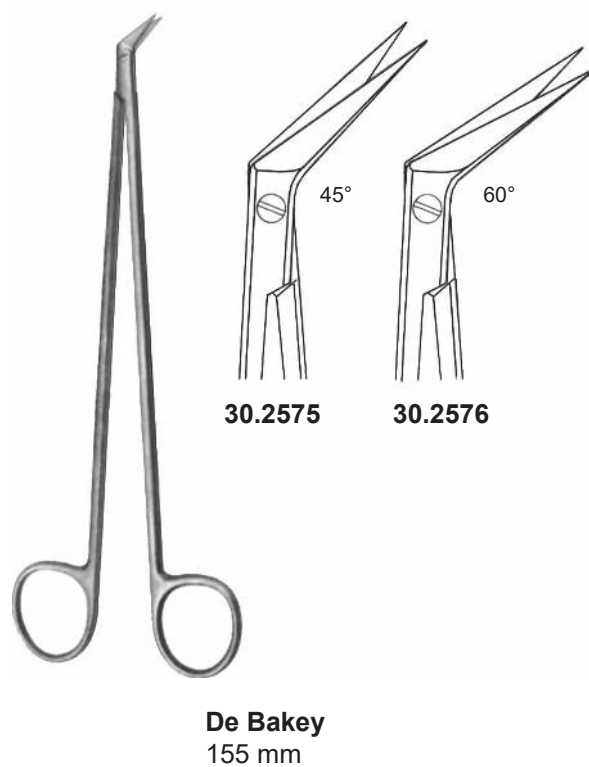
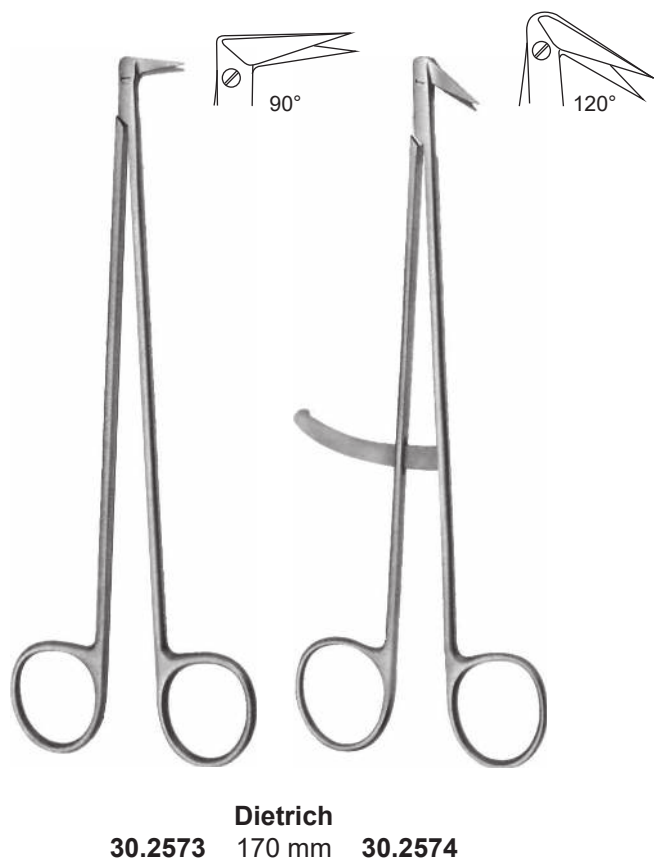
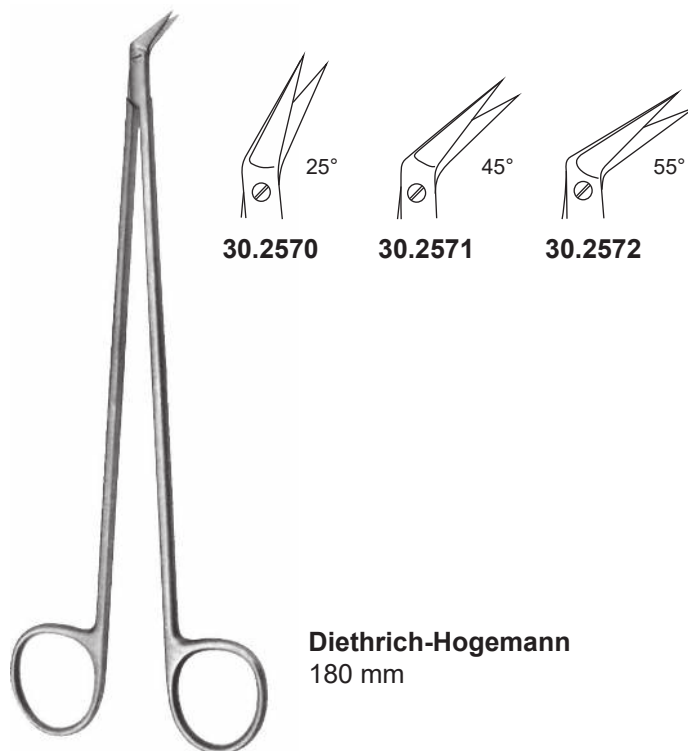
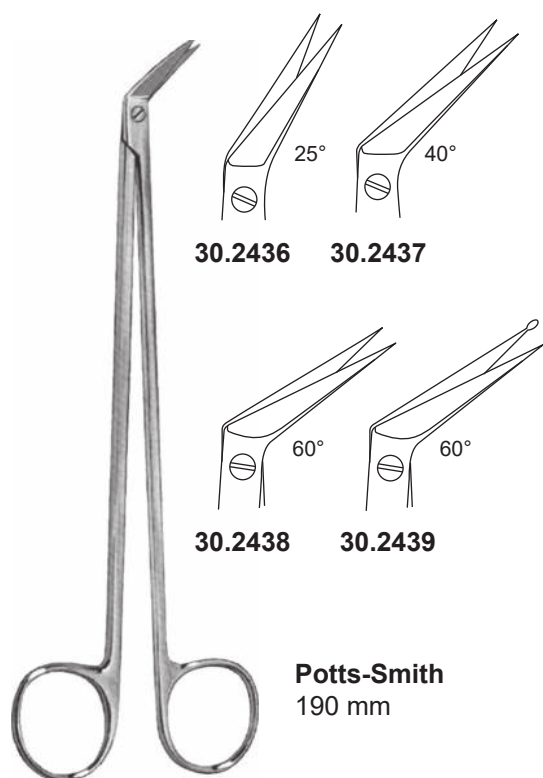


Strully
30.2434
220 mm



Satynsky
30.2435
245 mm

preparacyjne i naczyniowe • dissecting and vascular





Schmieden
30.2441
170 mm
dura



30.2446
180 mm



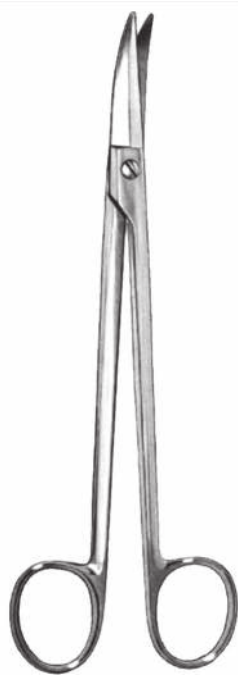
30.2466	115 mm	30.2469
30.2467	130 mm	30.2470
30.2468	145 mm	30.2471



Dean
30.2443
170 mm



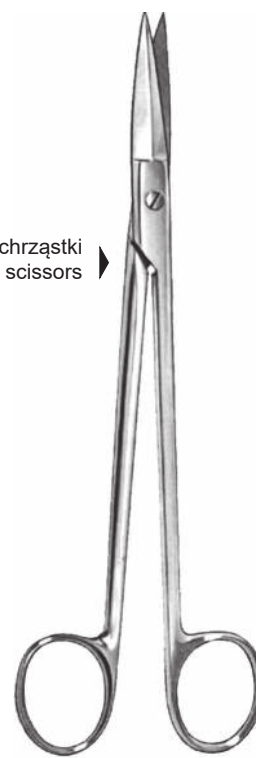
Good
30.2444
190 mm



Prince
30.2447
175 mm



Bottcher
30.2448
180 mm



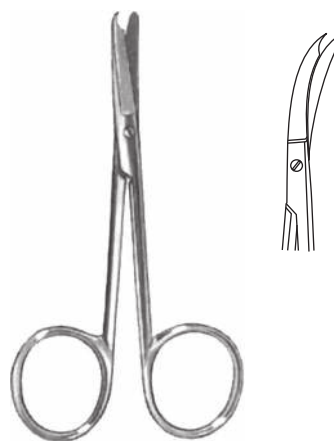
Mc Indoe
30.2449
190 mm

do opatrunków, szwów, paznokci • ligature, nail scissors



Ligaturschere

30.2450 115 mm **30.2451**



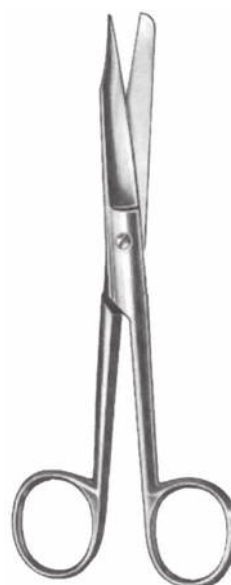
Spencer

30.2452 90 mm **30.2455**
30.2453 105 mm
30.2454 125 mm **30.2456**



Sistrunk

30.2457 130 mm **30.2458**

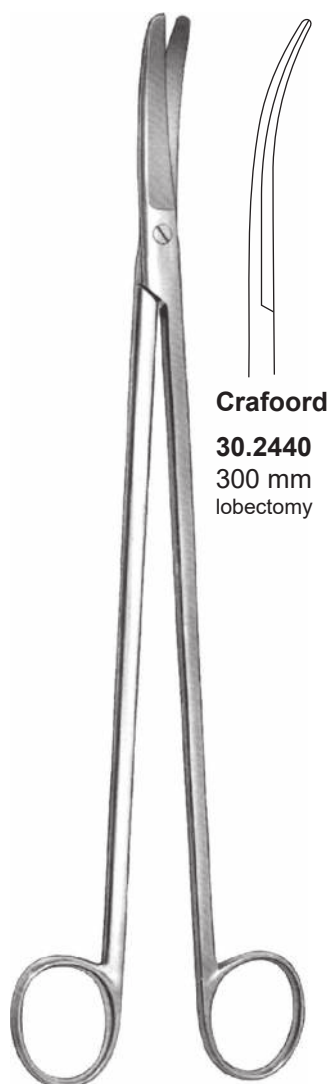


30.2459
150 mm



Littauer

30.2460
140 mm



Crafoord
30.2440
300 mm
lobectomy

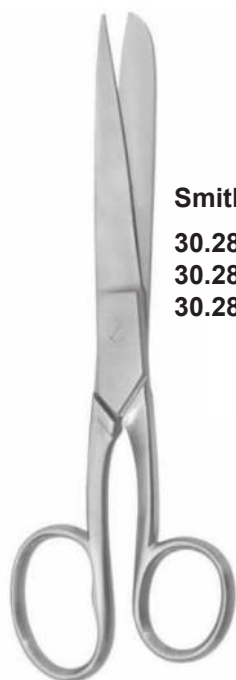


Darmschere
30.2461
210 mm

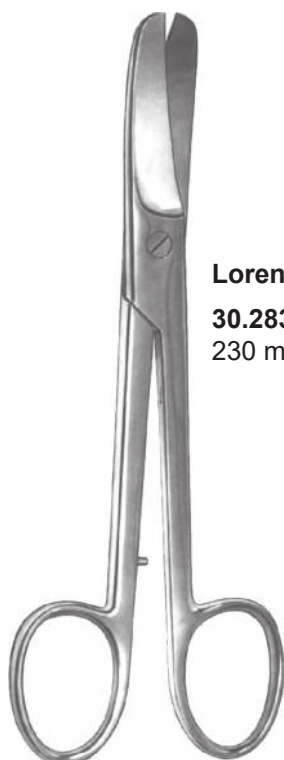


Darmschere
30.2462
210 mm

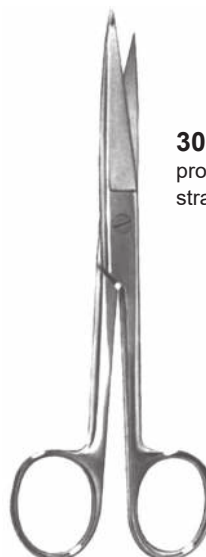
do opatrunków i do gipsu • bandage and plaster



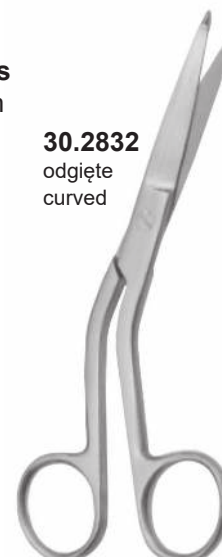
Smith
30.2827 180 mm
30.2828 200 mm
30.2829 230 mm



Lorenz
30.2830
230 mm



Knowles
145 mm
30.2831
proste
straight



30.2832
odgięte
curved

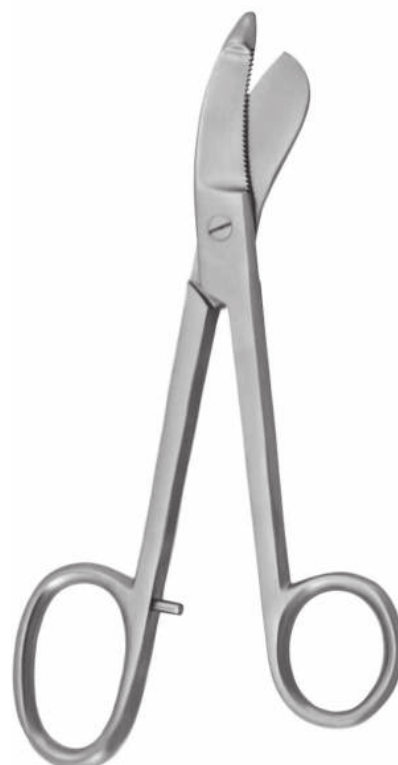
do opatrunków i do gipsu • bandage and plaster



Esmarch
40.3284 200 mm
40.3285 230 mm



Seutin
40.3286
230 mm



Bruns
40.3287
235 mm



do gipsu syntetycznego
for syntetic plaster

40.4139
180 mm



40.4140
180 mm



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

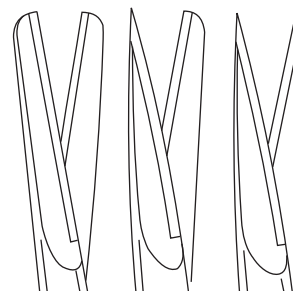


30.2472
170 mm

Tönnis-Adson



Standard



	proste • straight	
30.2473.000	30.2474.000	30.2475.000
	145 mm	
30.2473.165	-	-
	165 mm	
	odgięte • curved	
30.2476.000	30.2477.000	30.2478.000
	145 mm	



Metzenbaum

30.2479	145 mm	30.2483
30.2480	180 mm	30.2484
30.2481	200 mm	30.2485
30.2482	230 mm	30.2486



Metzenbaum-Fino

30.2487	145 mm	30.2491
30.2488	180 mm	30.2492
30.2489	200 mm	30.2493
30.2490	230 mm	30.2494



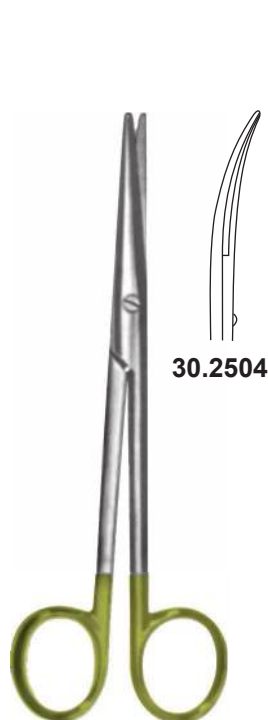
Mayo-Stille

30.2499	150 mm	30.2501
30.2500	170 mm	30.2502



Mayo

30.2495	145 mm	30.2497
30.2496	170 mm	30.2498



30.2504

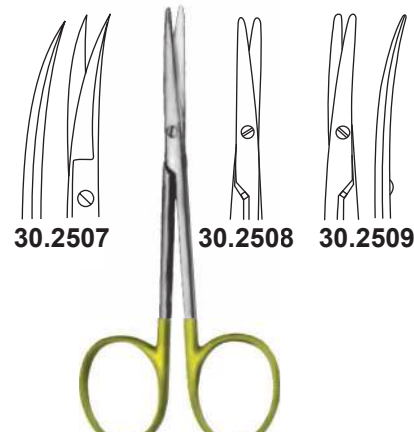
Mayo-Lexer
30.2503 165 mm



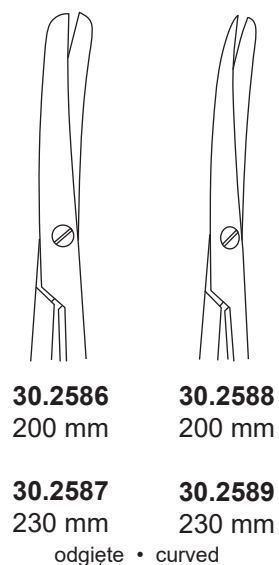
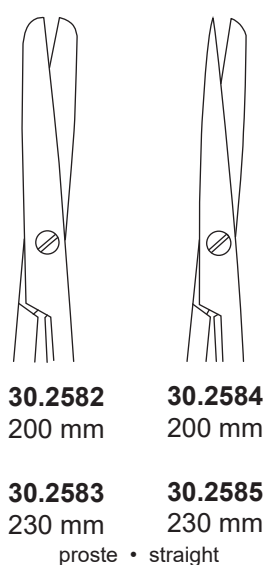
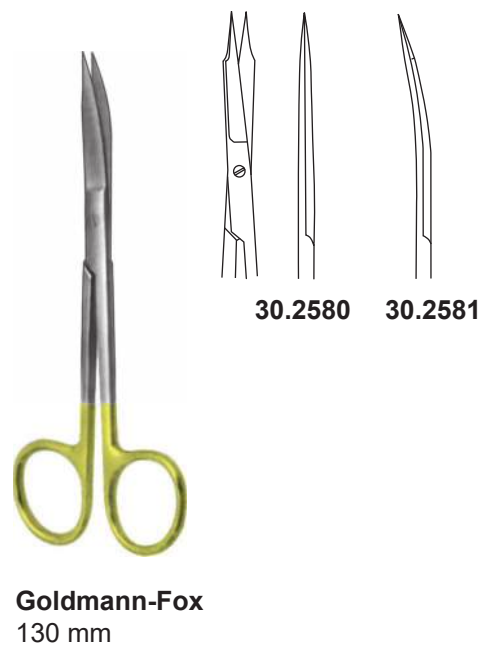
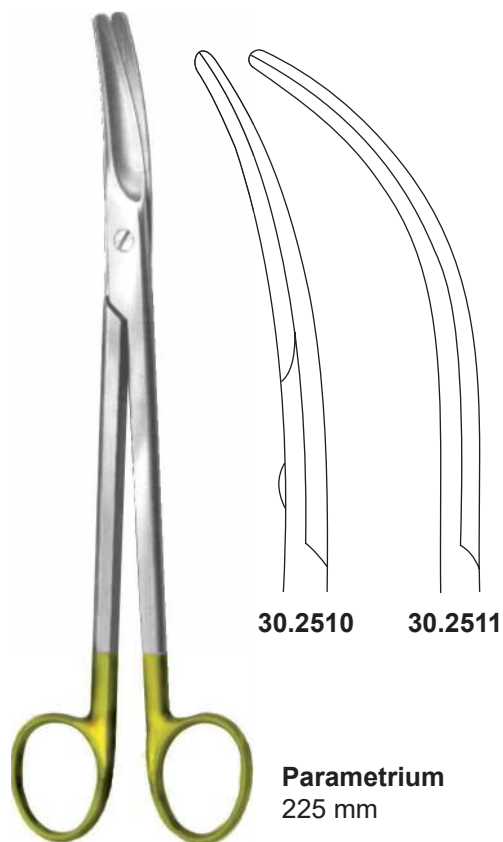
Lister
30.2505.140 140 mm
30.2505.000 180 mm
30.2505.200 200 mm



Irisschere
115 mm



Strabismus (Metzenbaum)
115 mm



Sims



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



Mayo

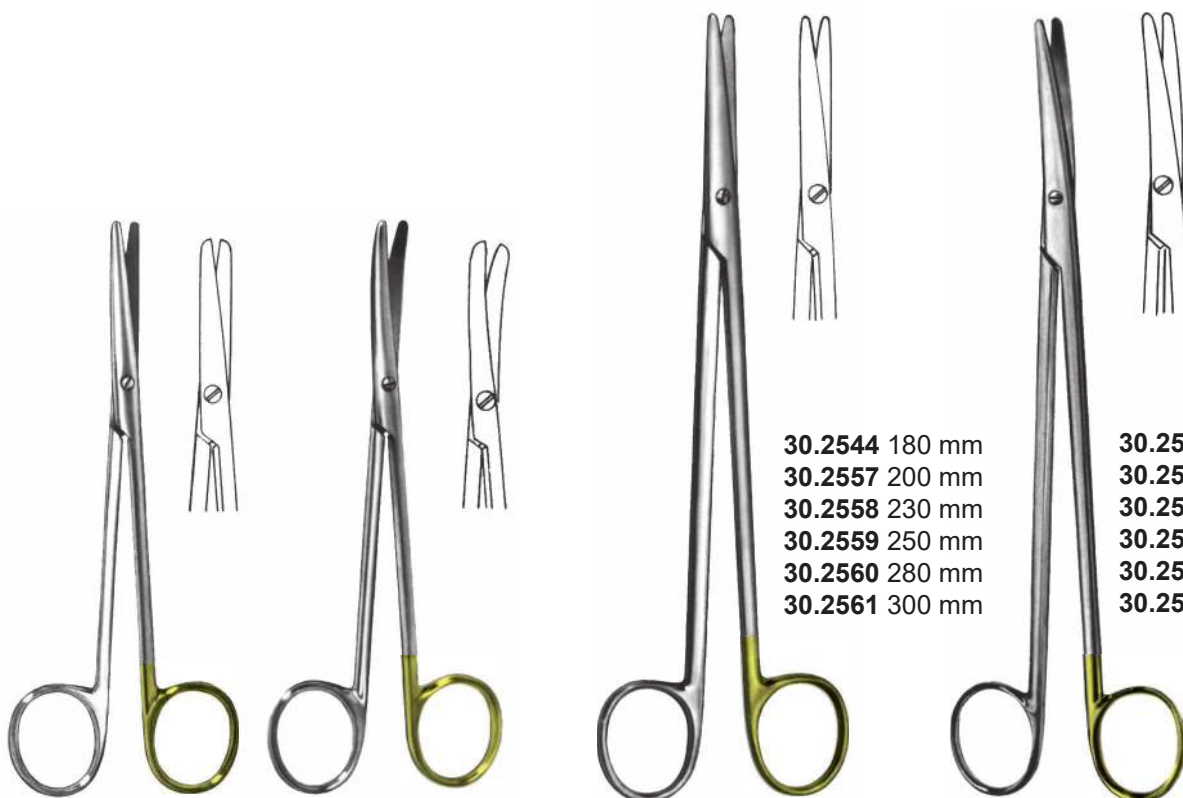
30.2532	145 mm	30.2534
30.2533	170 mm	30.2535
30.2533.230	230 mm	30.2535.230

Mayo-Stille

30.2536	150 mm	30.2538
30.2537	170 mm	30.2539

Mayo-Lexer

30.2540	160 mm	30.2541
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Metzenbaum

30.2542	145 mm	30.2543
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Metzenbaum

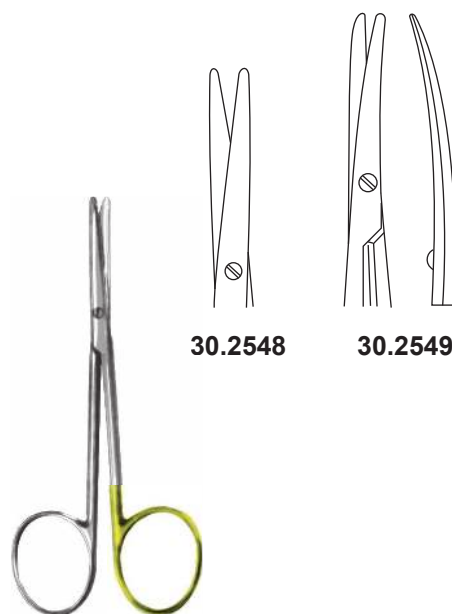
30.2544	180 mm
30.2557	200 mm
30.2558	230 mm
30.2559	250 mm
30.2560	280 mm
30.2561	300 mm

30.2545	180 mm
30.2562	200 mm
30.2563	230 mm
30.2564	250 mm
30.2565	280 mm
30.2566	300 mm

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



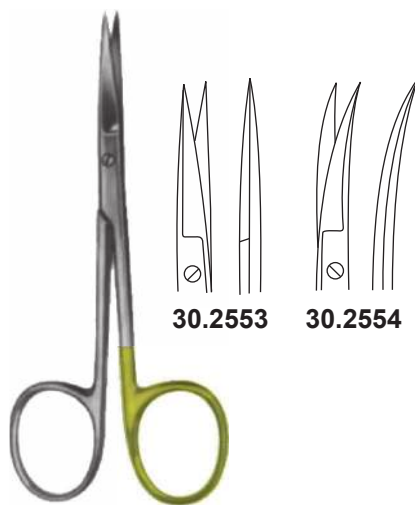
Metzenbaum Fino
30.2546 145 mm 30.2547



Metzenbaum Strabismus
30.2548 115 mm 30.2549



Lister
30.2550 140 mm
30.2551 180 mm
30.2552 200 mm



Iris
30.2553 115 mm 30.2554



Stevens
30.2555 110 mm 30.2556



La Grange
30.2567 105 mm
30.2568 160 mm

anatomiczne • anatomical



Standard

30.3300 105 mm **30.3309**
30.3301 115 mm **30.3310**
30.3302 130 mm **30.3311**
30.3303 145 mm **30.3312**
30.3304 160 mm **30.3313**
30.3305 180 mm **30.3314**
30.3306 200 mm **30.3315**
30.3307 250 mm **30.3316**
30.3308 300 mm **30.3317**

Standard

30.3318 115 mm **30.3326**
30.3319 130 mm **30.3327**
30.3320 145 mm **30.3328**
30.3321 160 mm **30.3329**
30.3322 180 mm **30.3330**
30.3323 200 mm **30.3331**
30.3324 250 mm **30.3332**
30.3325 300 mm **30.3333**
wężkie • narrow

Standard mod. USA

30.3334 120 mm **30.3342**
30.3335 130 mm **30.3343**
30.3336 145 mm **30.3344**
30.3337 155 mm **30.3345**
30.3338 180 mm
30.3339 210 mm
30.3340 250 mm
30.3341 310 mm

wężkie
narrow

delikatne
slender


Standard

30.3346 130 mm **30.3348**
30.3347 150 mm **30.3349**
170 mm **30.3350**

Potts-Smith

30.3351 180 mm **30.3354**
30.3352 210 mm **30.3355**
30.3353 250 mm **30.3356**

Semken

30.3357
125 mm
30.3358
150 mm

Adson 1,2 mm

30.3359.000 120 mm
30.3359.150 150 mm

Adson 0.8 mm mikro
30.3360.000 120 mm
30.3360.150 150 mm

Mc Indoe

30.3361
150 mm

Standard
mod. angielski

30.3362
130 mm
30.3363
145 mm
30.3364
155 mm

anatomiczne • anatomical



Taylor

30.3365 175 mm **30.3366**



Taylor

30.3367 175 mm **30.3368**



Gerald

30.3369 180 mm
prosta • straight

30.3370 180 mm
odgięta • curved



Waugh

30.3371 150 mm
30.3372 200 mm



Cushing

30.3373 175 mm **30.3374**



30.3375



30.3376



30.3377

delikatne • slender
105 mm



Brophy

30.3378 200 mm **30.3379**





Standard

1:2

30.3380	105 mm
30.3381	115 mm
30.3382	130 mm
30.3383	145 mm
30.3384	160 mm
30.3385	180 mm
30.3386	200 mm
30.3387	250 mm
30.3388	300 mm

2:3

30.3389
30.3390
30.3391
30.3392
30.3393
30.3394
30.3395
30.3396

Standard

3:4

30.3397	130 mm
30.3398	145 mm
30.3399	160 mm

4:5

30.3400
30.3401
30.3402

Standard

1:2

30.3403	130 mm
30.3404	145 mm
30.3405	160 mm
30.3406	200 mm

▲
wąska
narrow

Standard mod. USA

1:2

30.3407	120 mm
30.3408	130 mm
30.3409	145 mm
30.3410	155 mm
30.3411	180 mm
30.3412	210 mm
30.3413	250 mm
30.3414	310 mm

2:3

30.3415
30.3416
30.3417
30.3418
30.3419
30.3420
30.3421
30.3422



Standard mod. USA

1:2

30.3429	130 mm
30.3430	145 mm
30.3431	150 mm

▲
delikatna
slender



Gerald

30.3432	175 mm	30.3433
----------------	--------	----------------



Gillies

30.3434	150 mm
----------------	--------



Semken

30.3435 125 mm
30.3436 150 mm



Adson

1,2 mm
30.3437 120 mm
30.3438 150 mm

0,8 mm
30.3439
30.3440



Waugh

30.3441 150 mm
30.3442 200 mm



Adlerkreutz

2:3
30.3443 150 mm
30.3444 200 mm
30.3445 250 mm



4:5

30.3446
30.3447
30.3448

Adson-Brown

30.3449.000 120 mm, 9X9
30.3449.007 120 mm, 7X7

9x9
7x7



Tayler

30.3450 175 mm **30.3451**



Brophy

30.3452 200 mm **30.3453**



Cushing

30.3454 175 mm **30.3455**



Tayler

30.3456 175 mm **30.3457**





Potts-Smith

30.3458 180 mm **30.3461**
30.3459 210 mm **30.3462**
30.3460 250 mm **30.3463**



Bonney
180 mm

1:2 2:3
30.3464 **30.3465**



Lane

1:2 2:3
30.3466 145 mm **30.3468**
30.3467 180 mm **30.3469**



płucne chwytające • lung grasping



Russian

30.3470 150 mm
30.3471 200 mm
30.3472 250 mm



Mayo-Russian

30.3473
230 mm



Nelson

30.3474.180 180 mm
30.3474.000 230 mm



Singley-Tut

30.3475
230 mm

delikatne • slender



30.3480
105 mm



30.3481
105 mm



30.3482
105 mm

atraumatyczne • atraumatic



De Bakey



1,5 mm

30.3483
30.3484
30.3485
30.3486



2,0 mm

30.3487
30.3488
30.3489
30.3490



2,7 mm

30.3491
30.3492
30.3493
30.3494



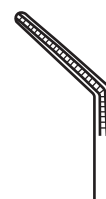
3,5 mm

30.3495
30.3496
30.3497
30.3498

160 mm
200 mm
240 mm
300 mm



De Bakey



2,0 mm

30.3499
30.3500
30.3501
30.3502

pincety ENT • ENT forceps



laboratoryjne • cover glass forceps



Kuehne
30.3594
105 mm



Kuehne
30.3595
105 mm

inne • others



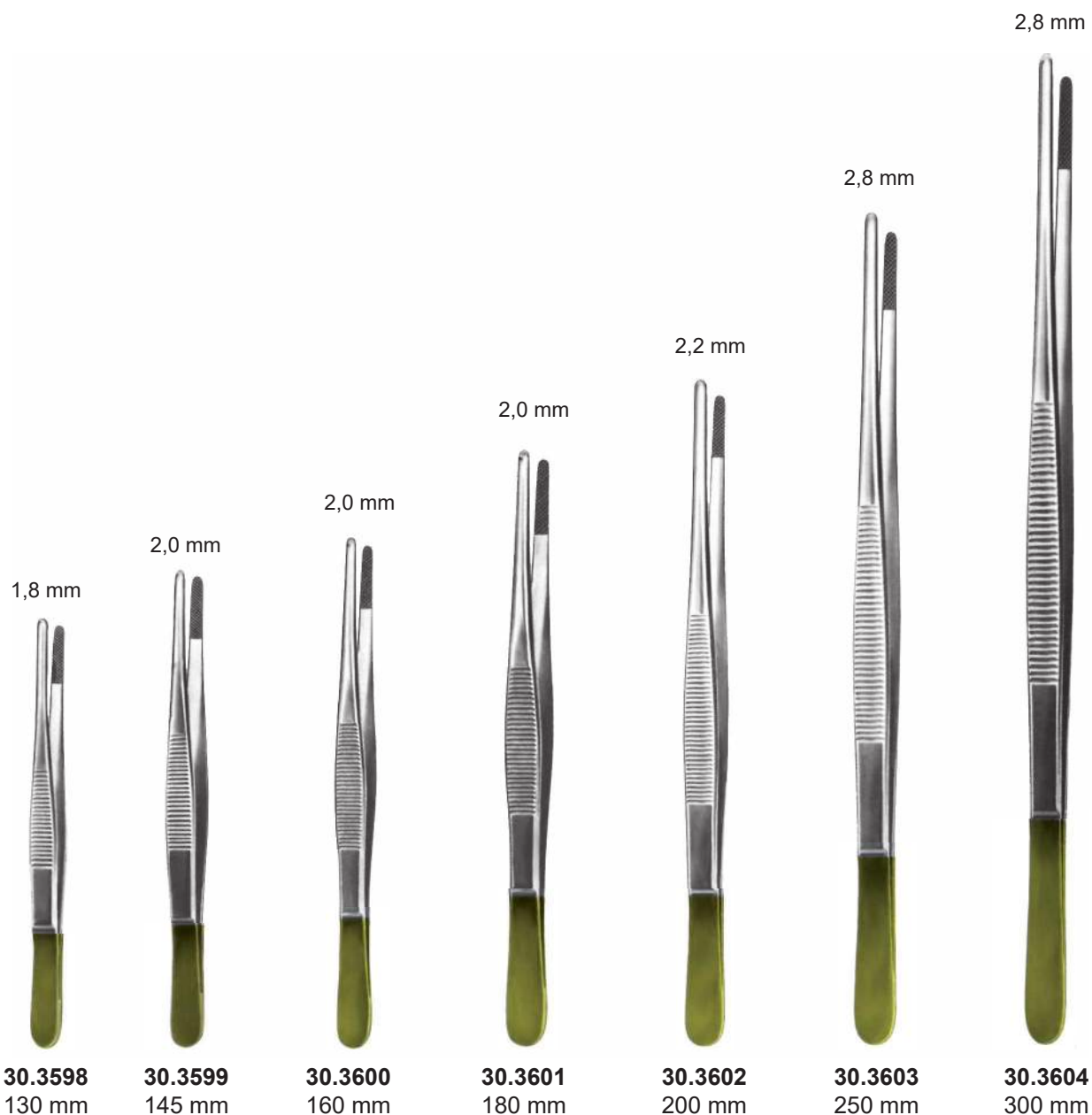
Littauer
30.3591
85 mm

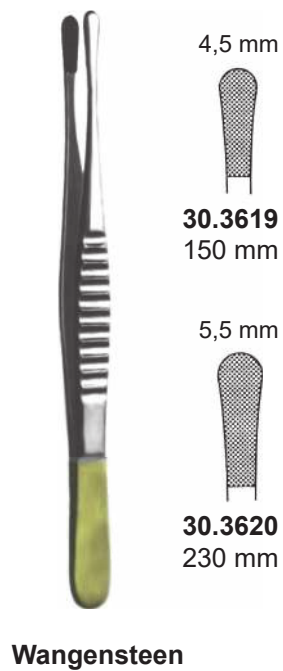
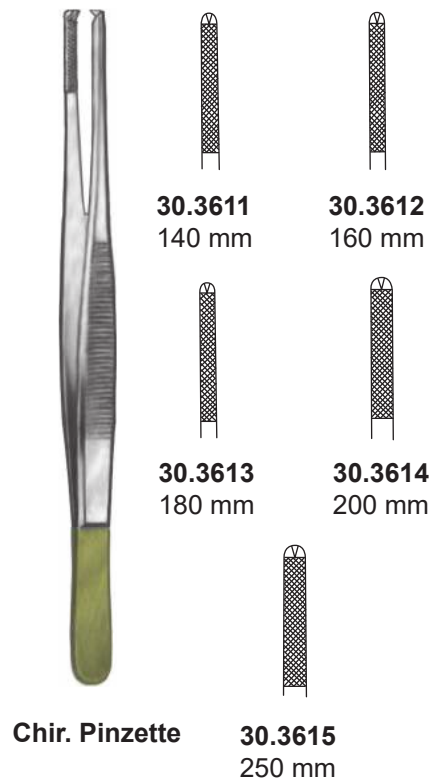
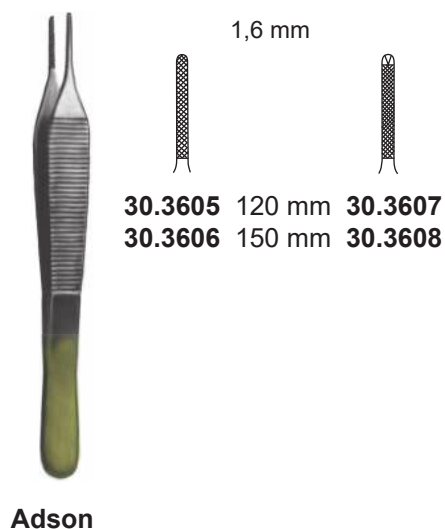


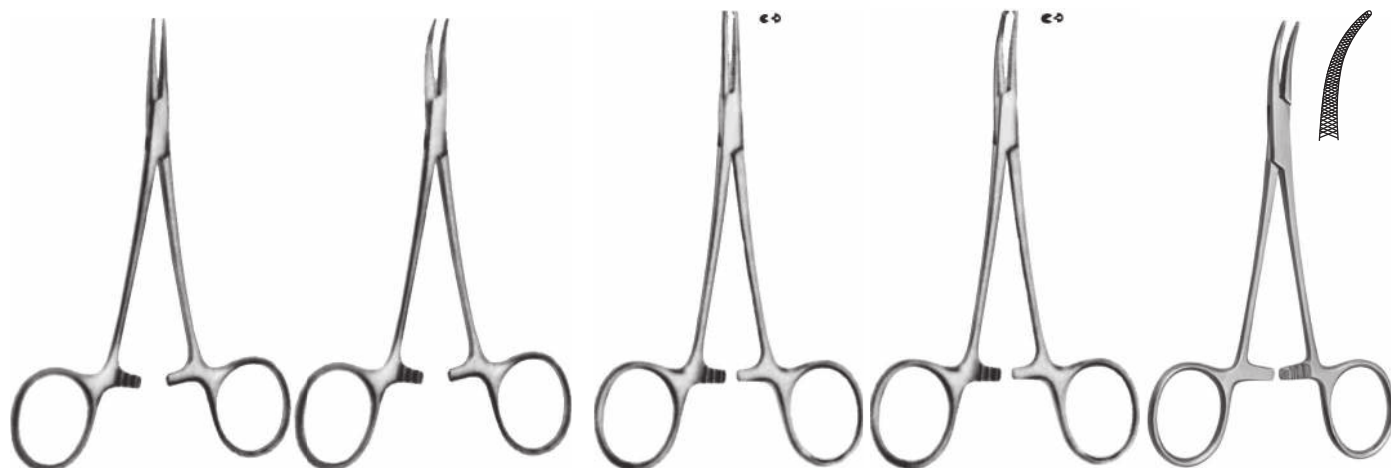
Douglas
30.3592
90 mm



Douglas
30.3593
90 mm






Halsted-Mosquito

30.0080 125 mm 30.0083
30.0081 140 mm 30.0084
30.0082 125 mm 30.0085
mikro • micro

Halsted-Mosquito

30.0086 125 mm 30.0089
30.0087 140 mm 30.0090
30.0088 125 mm 30.0091
mikro • micro

Halsted-Mosquito

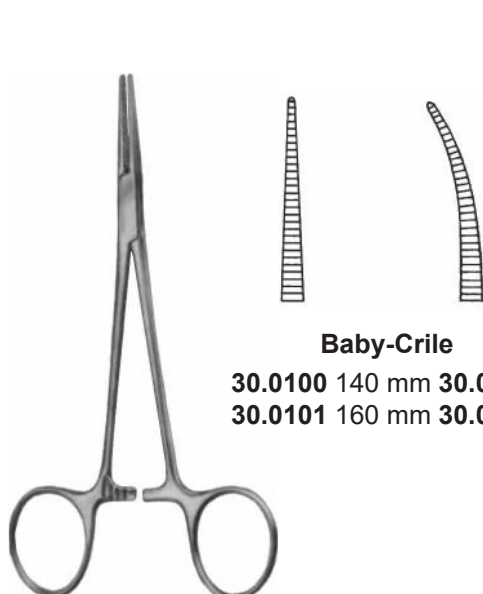
30.0083.100
125mm


Hartmann

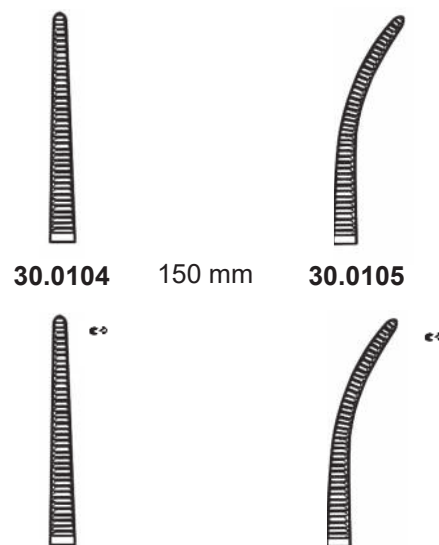
30.0092 100 mm 30.0094
mikro • micro
30.0093 100 mm 30.0095


Hartmann

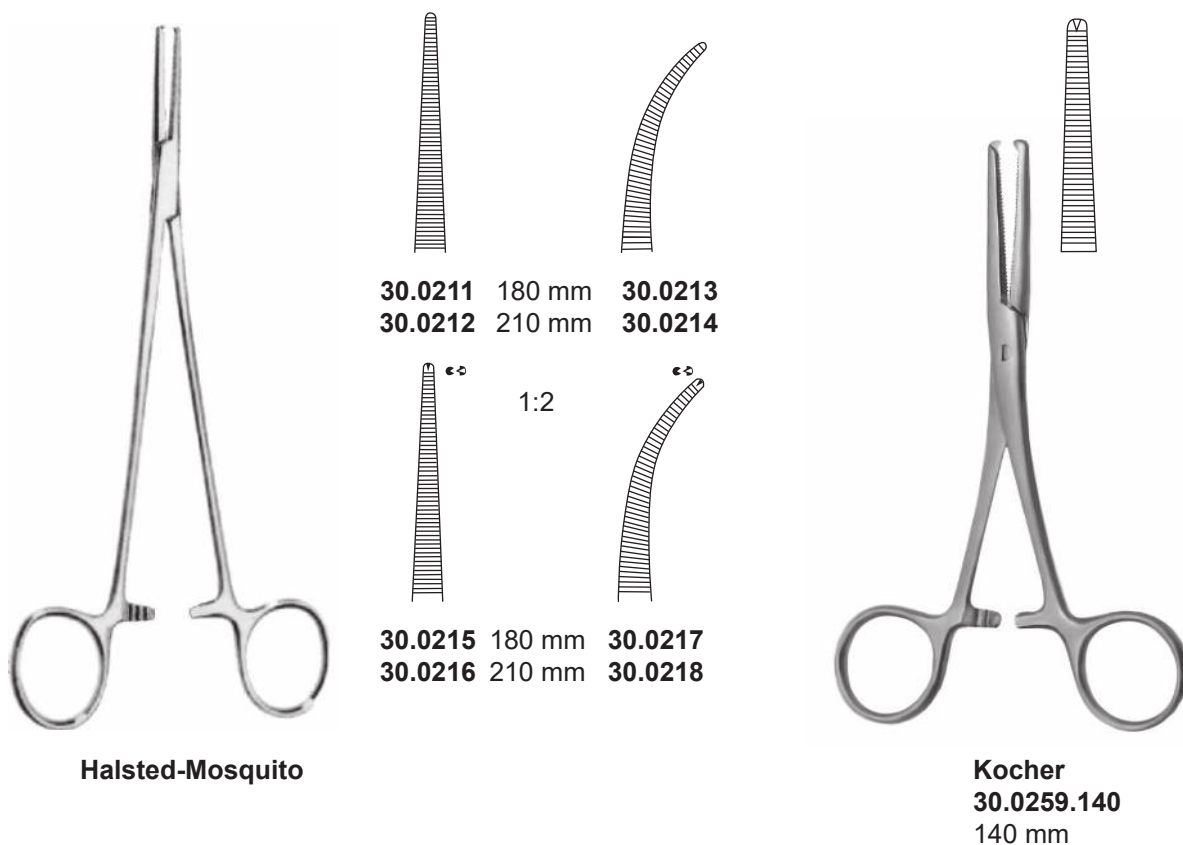
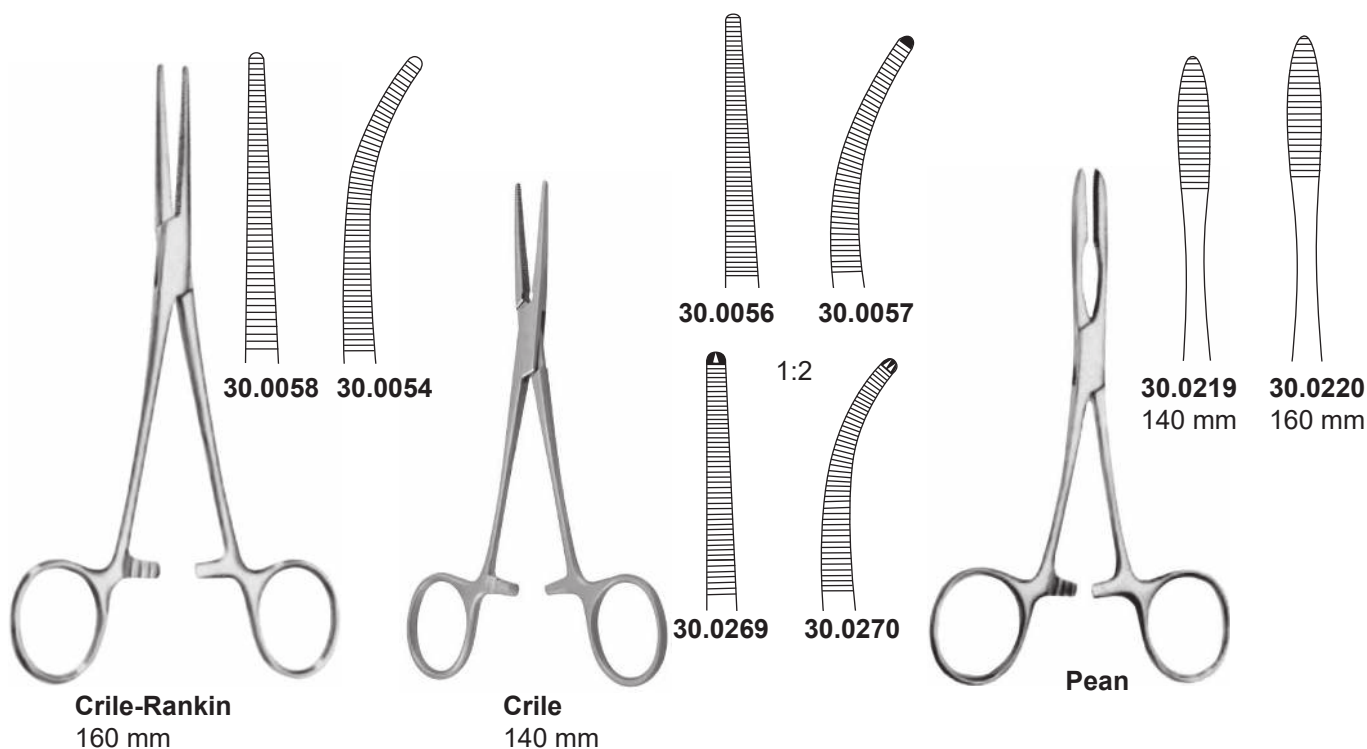
30.0092.100 100mm 30.0094.100
mikro • micro


Baby-Crile

30.0100 140 mm 30.0102
30.0101 160 mm 30.0103


Leriche


30.0104 150 mm 30.0105
30.0104.100 150 mm 30.0105.100

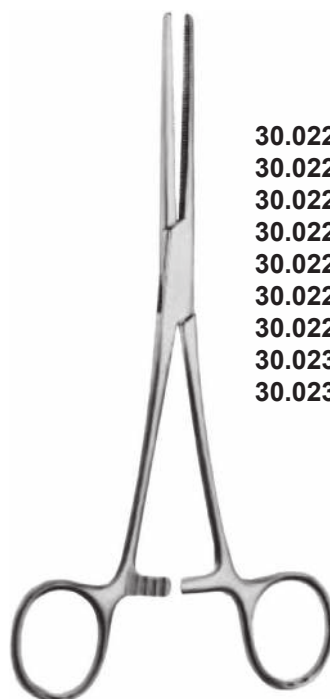




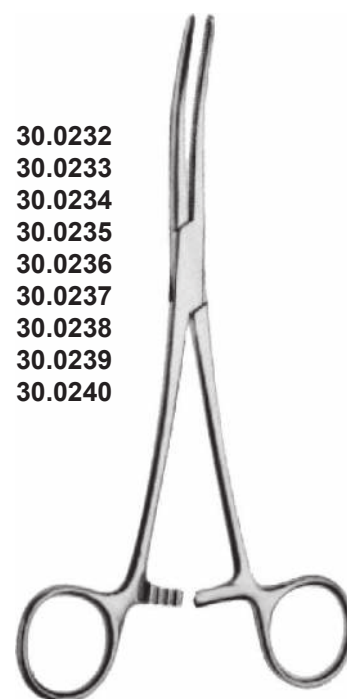
30.0221.130 130 mm
30.0221.000 140 mm
 proste
 straight

30.0222.130 130 mm
30.0222.000 140 mm
 odgięte
 curved

Pean
 delikatne • fine

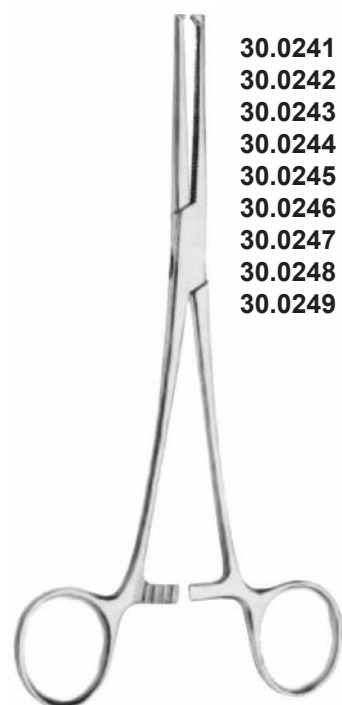


Pean (Rochester)



Pean (Rochester)

30.0223	130 mm	30.0232
30.0224	140 mm	30.0233
30.0225	160 mm	30.0234
30.0226	180 mm	30.0235
30.0227	200 mm	30.0236
30.0228	220 mm	30.0237
30.0229	240 mm	30.0238
30.0230	260 mm	30.0239
30.0231	300 mm	30.0240



Kocher (Ochsner)



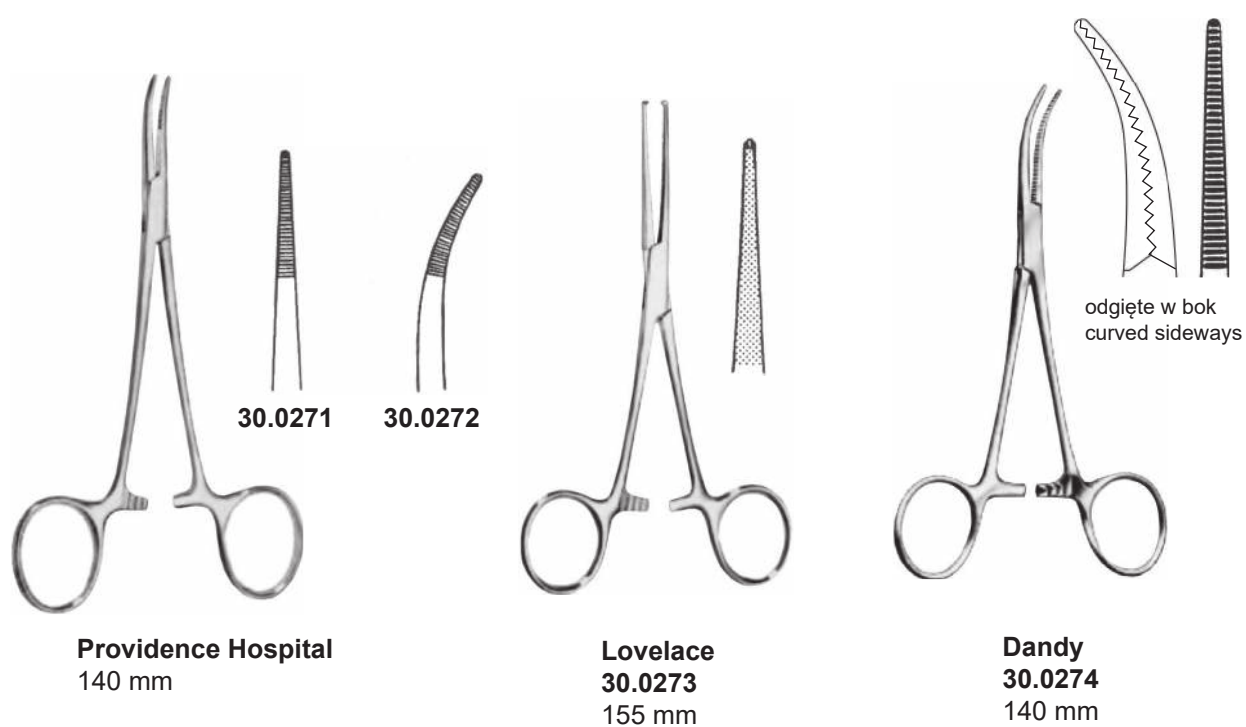
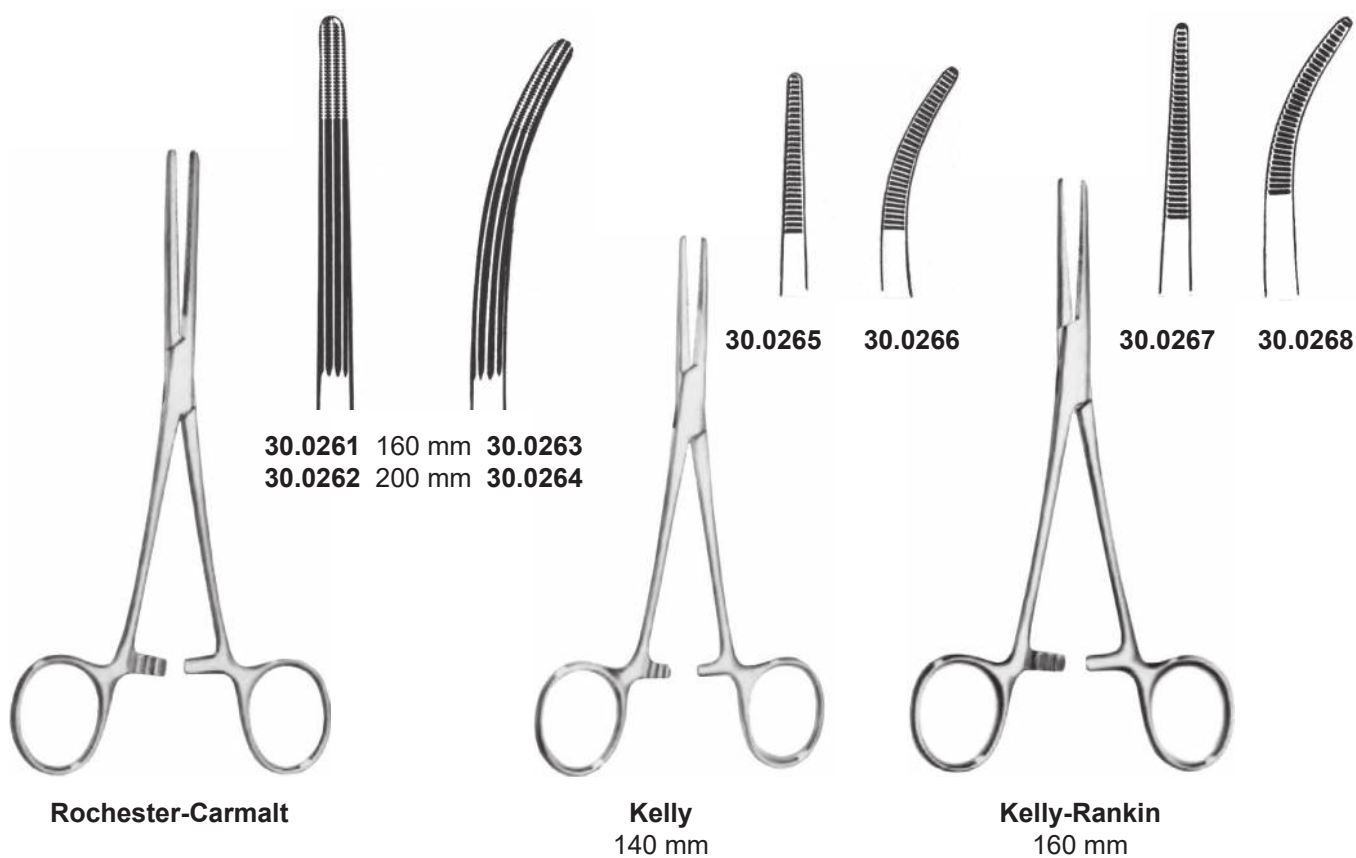
Kocher (Ochsner)



Kocher 140 mm
 delikatne • slender

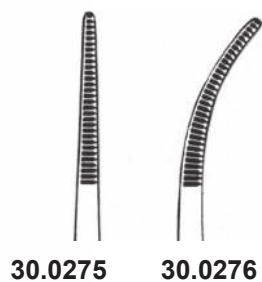
30.0241	130 mm	30.0250
30.0242	140 mm	30.0251
30.0243	160 mm	30.0252
30.0244	180 mm	30.0253
30.0245	200 mm	30.0254
30.0246	220 mm	30.0255
30.0247	240 mm	30.0256
30.0248	260 mm	30.0257
30.0249	300 mm	30.0258

	
30.0259.000	30.0260.000
	140 mm
30.0259.160	30.0260.160
	160 mm

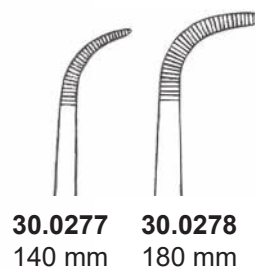




Adson
185 mm



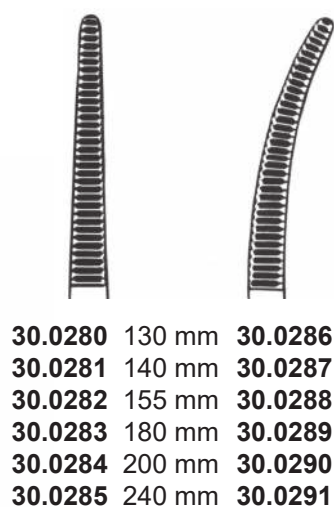
Baby-Adson



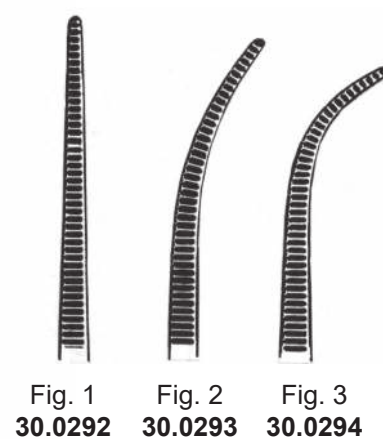
Pennington
30.0279 155 mm
30.2130 200 mm



Spencer-Wells



Heiss 200 mm





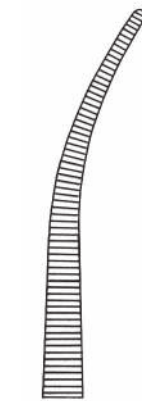
Roberts
220 mm



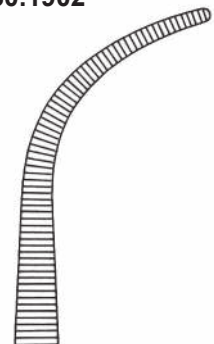
30.1900



30.1901

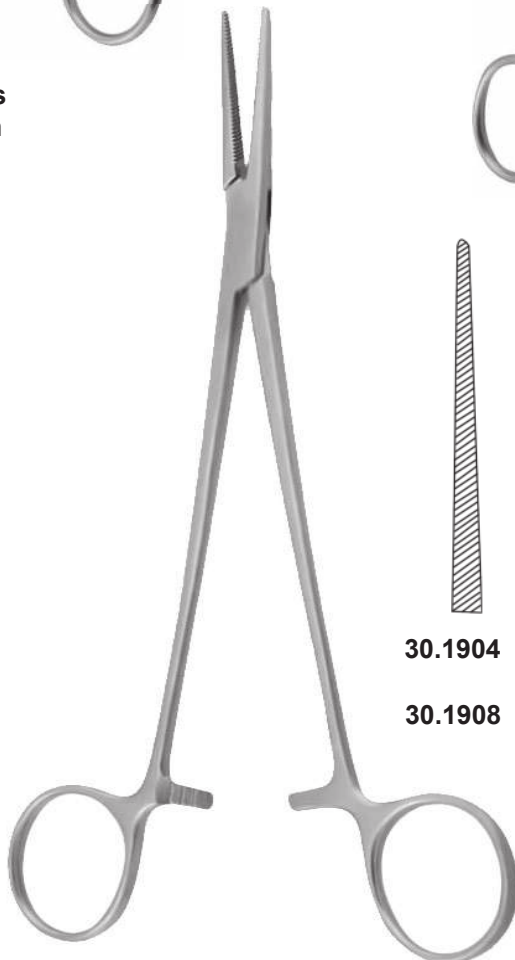


30.1902



30.1903

Zenker
295 mm



Bengolea



30.1904



30.1905



30.1906



30.1907

1:2

200 mm

30.1908

30.1909

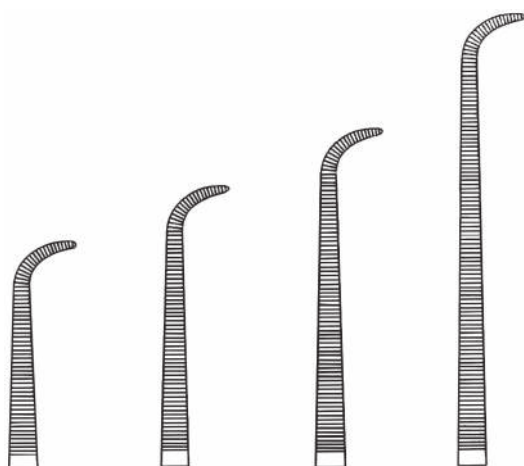
30.1910

30.1911

260 mm



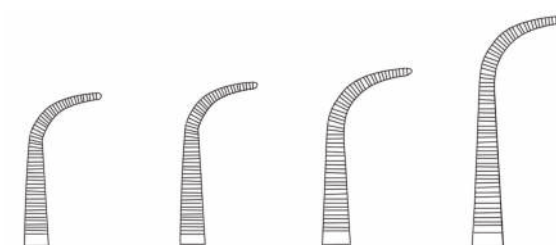
Mini-Gemini



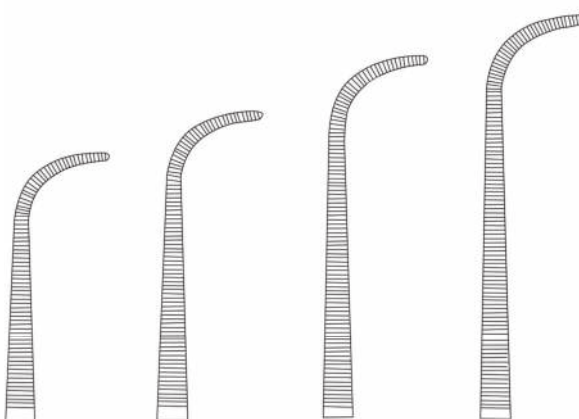
30.1912	30.1913	30.1914	30.1915
180 mm	220 mm	250 mm	280 mm



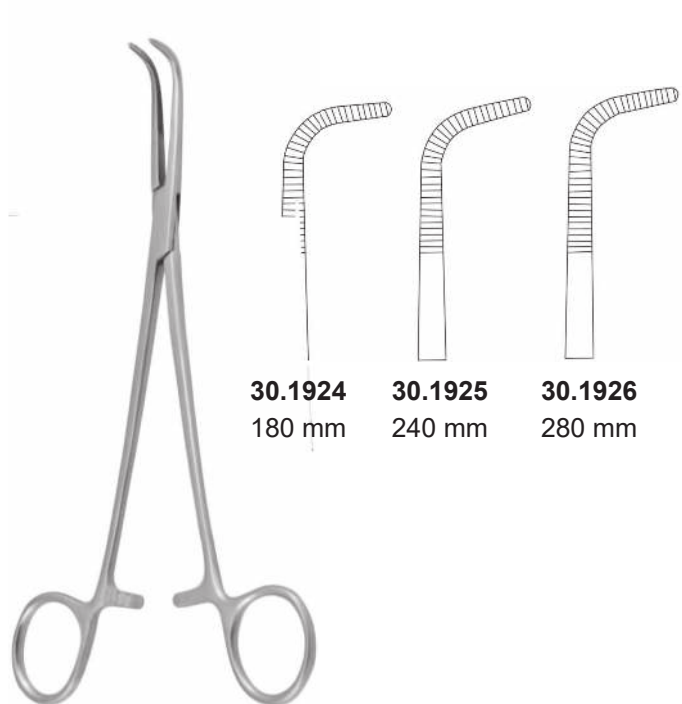
Gemini



30.1916	30.1917	30.1918	30.1919
130 mm	140 mm	160 mm	180 mm



30.1920	30.1921	30.1922	30.1923
200 mm	230 mm	250 mm	280 mm

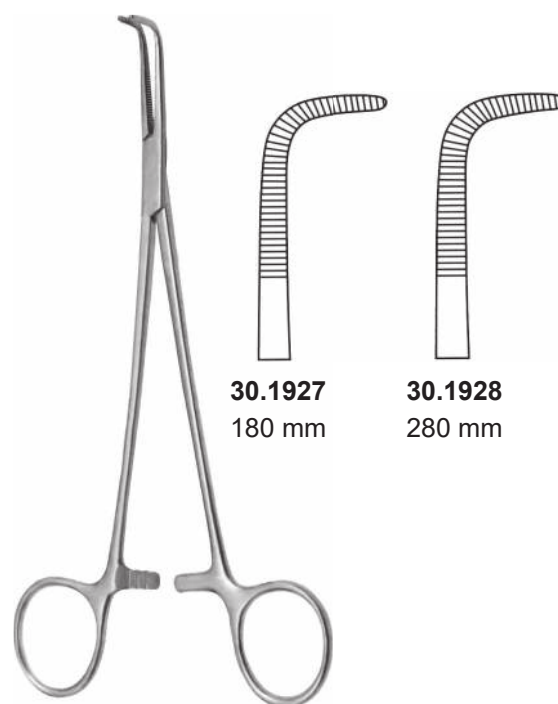


30.1924
180 mm

30.1925
240 mm

30.1926
280 mm

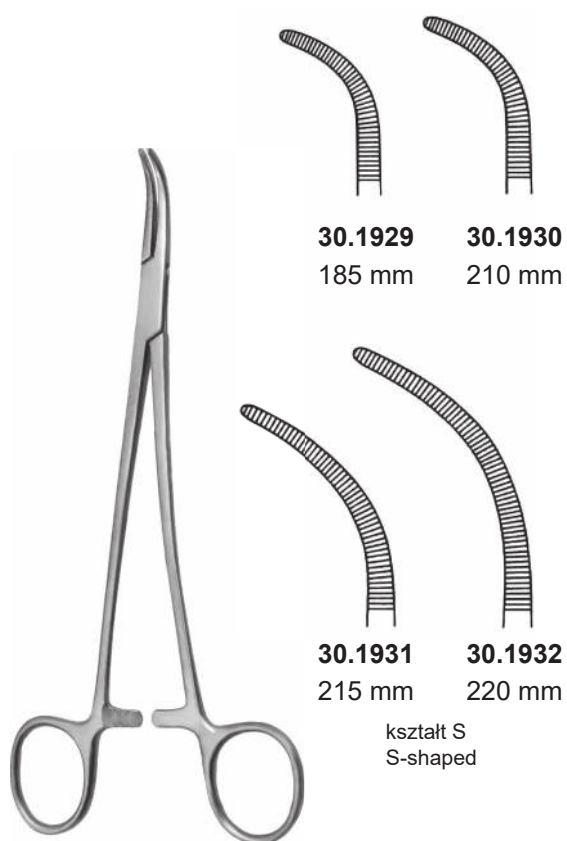
Kantrowitz



30.1927
180 mm

30.1928
280 mm

Meekers



30.1929
185 mm

30.1930
210 mm

30.1931
215 mm

30.1932
220 mm

kształt S
S-shaped

Overholt
delikatne • slender



Stille
30.1933 240 mm



Green
30.1934 160 mm



**Overholt-
Geissendoerfer**

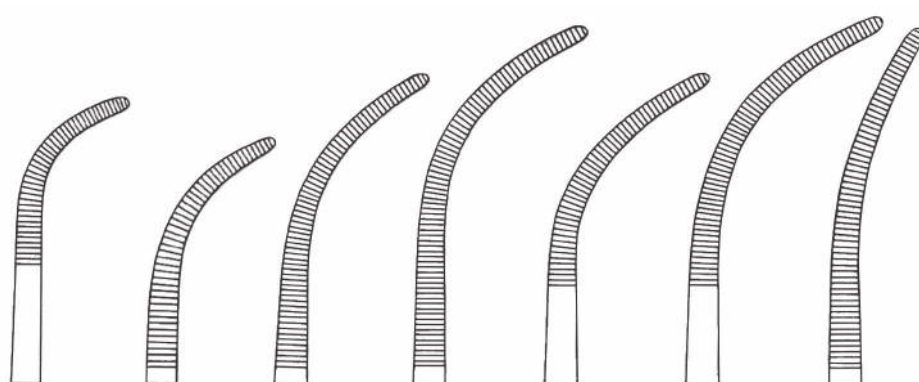


Fig. 1	Fig. 2	Fig. 3	Fig. 4	Fig. 5	Fig. 6	Fig. 7
30.0295	30.0296	30.0297	30.0298	30.0299	30.2000	30.2001
195 mm	210 mm	220 mm	225 mm	215 mm	225 mm	225 mm

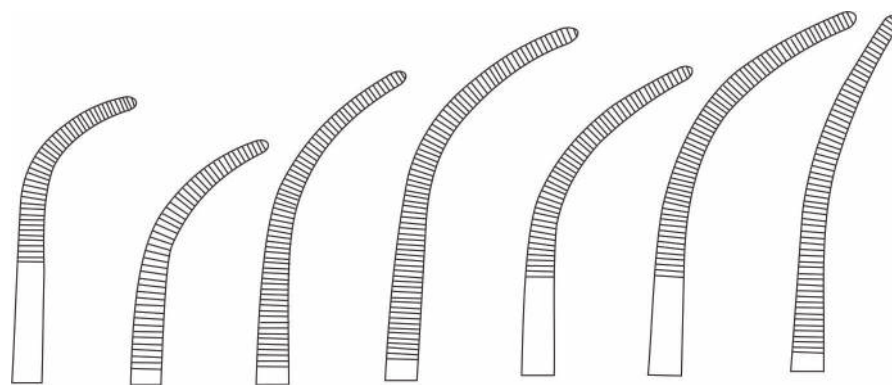
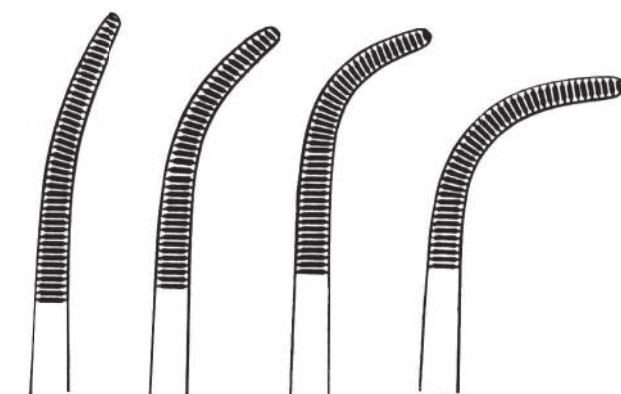
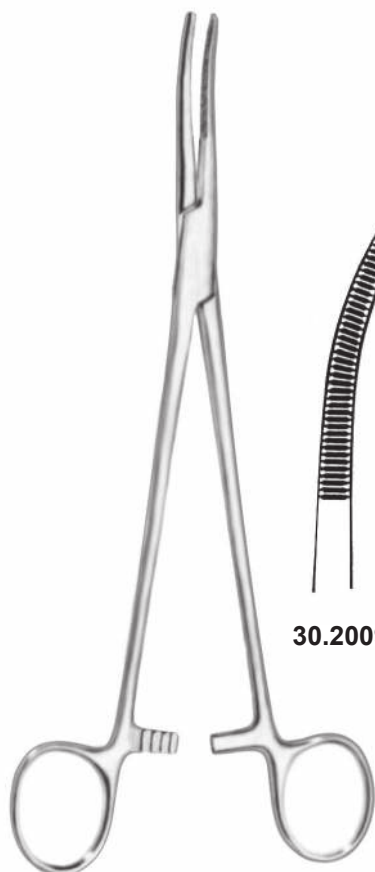


Fig. 1	Fig. 2	Fig. 3	Fig. 4	Fig. 5	Fig. 6	Fig. 7
30.2002	30.2003	30.2004	30.2005	30.2006	30.2007	30.2008
260 mm	270 mm	275 mm	275 mm	275 mm	280 mm	275 mm



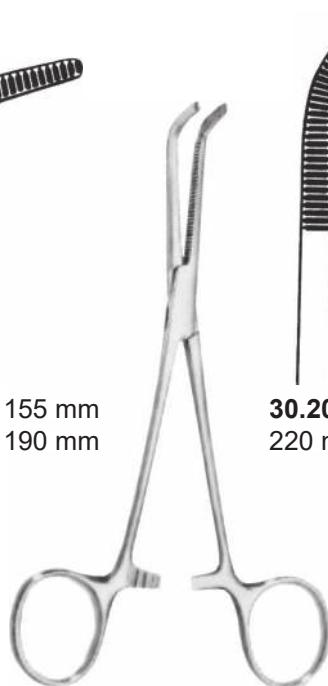
30.2009	30.2010	30.2011	30.2012
Rumel			
230 mm			



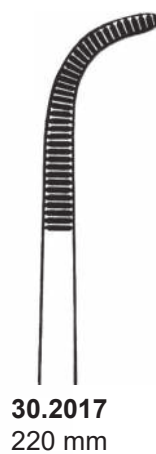
30.2013
Crafoord
240 mm



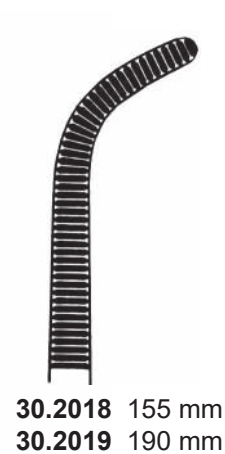
Mixer-Baby
30.2014 140 mm



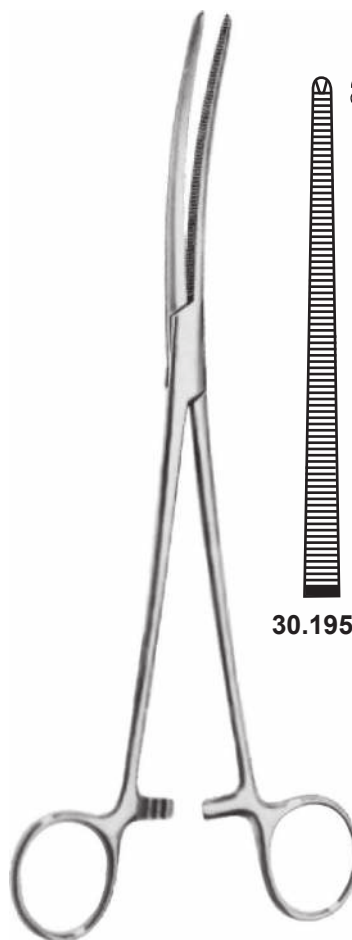
Mixer



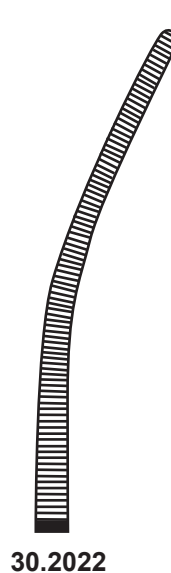
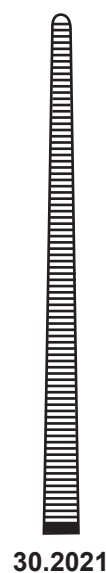
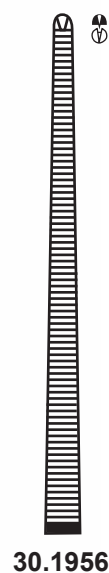
Mixer-O'Shaugnessy



Crafoord-Sellers 240 mm

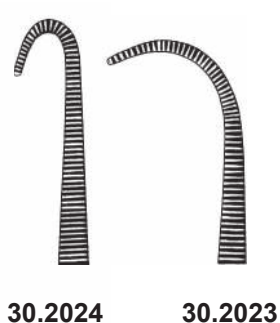


Sarot 240 mm





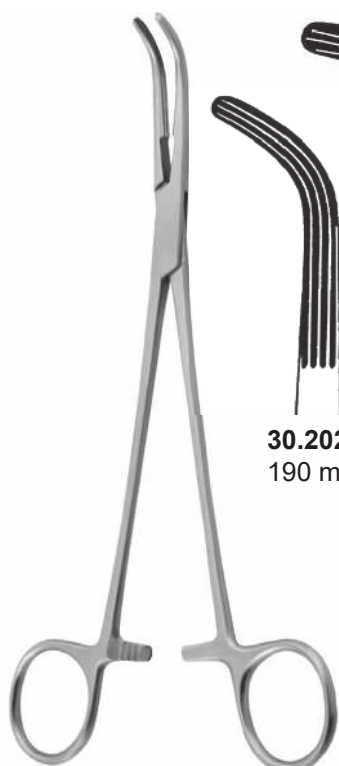
Negus
190 mm



Johns Hopkins
30.2025
200 mm



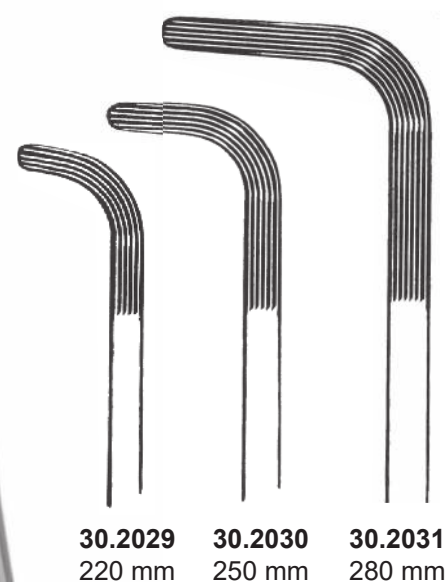
Lower
30.2026
180 mm



Lahey



Mixer





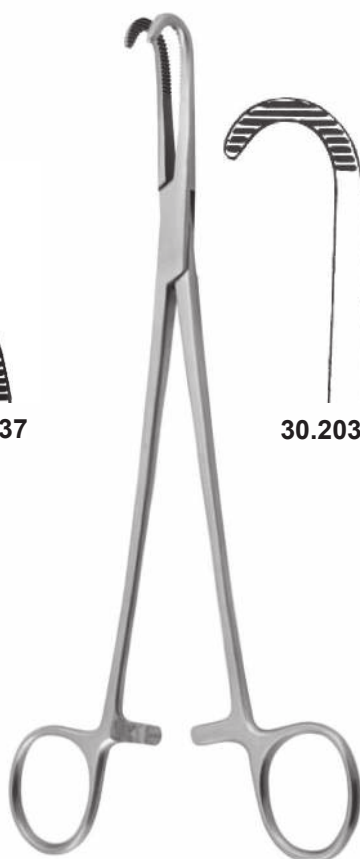
30.2032 220 mm
30.2033 230 mm

Gray



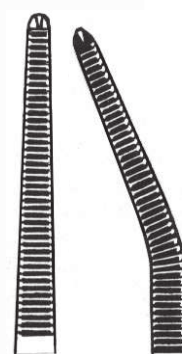
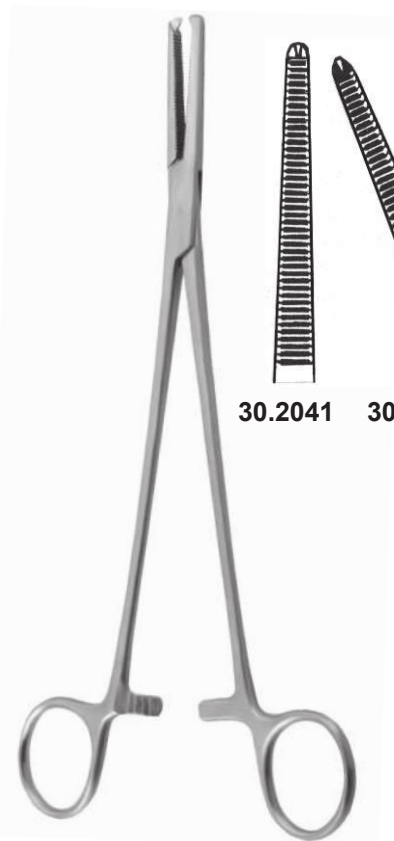
30.2036 200 mm
30.2037 200 mm

Faure



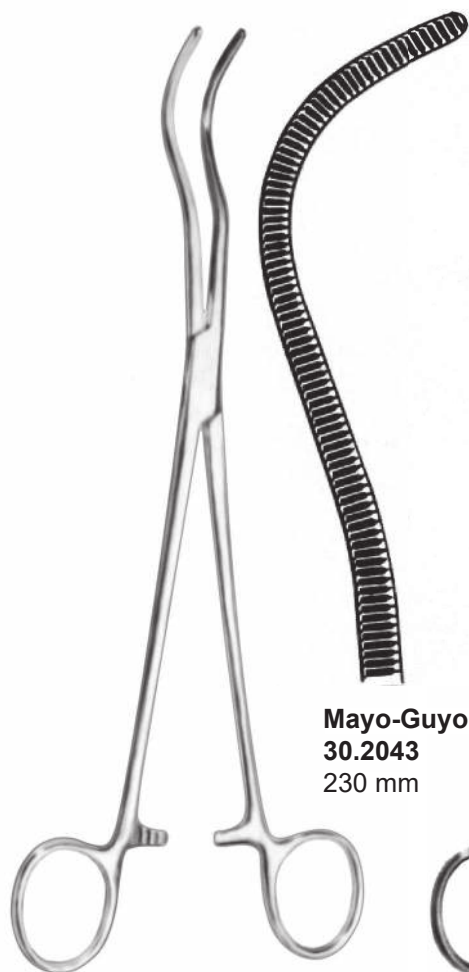
30.2039

Desjardins 210 mm

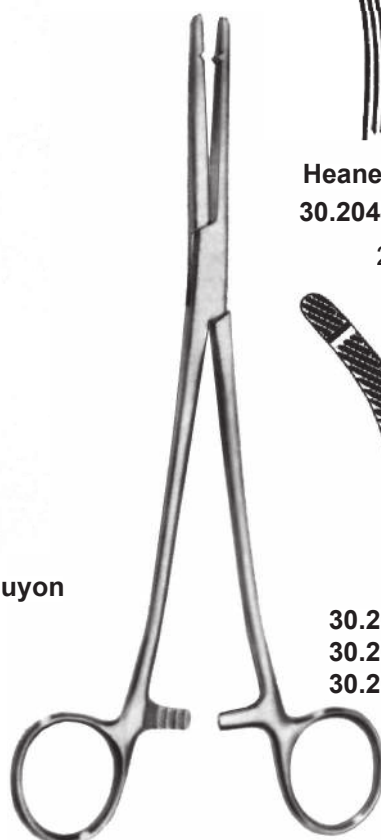


30.2041 210 mm
30.2042 210 mm

Phaneuf 210 mm

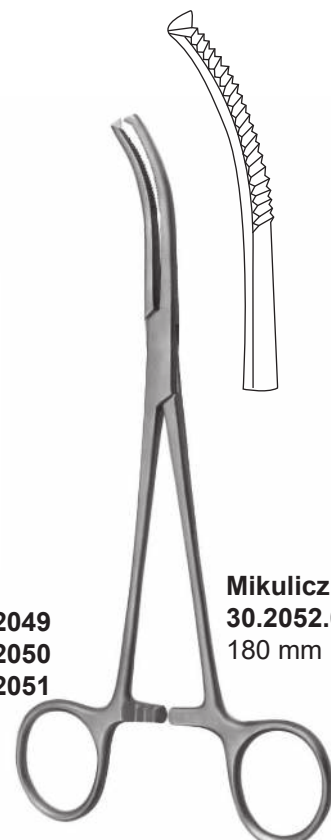


Mayo-Guyon
30.2043
230 mm



Heaney-Ballentine
30.2044 30.2045
210 mm

Heaney
30.2046 190 mm
30.2047 210 mm
30.2048 230 mm

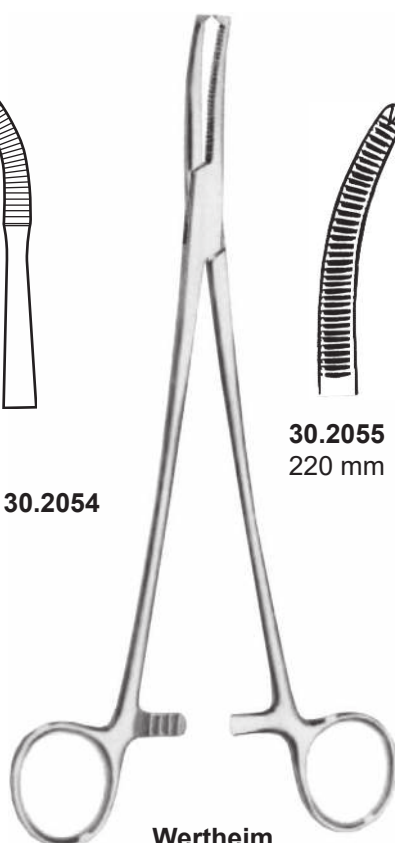


Mikulicz
30.2052.001
180 mm



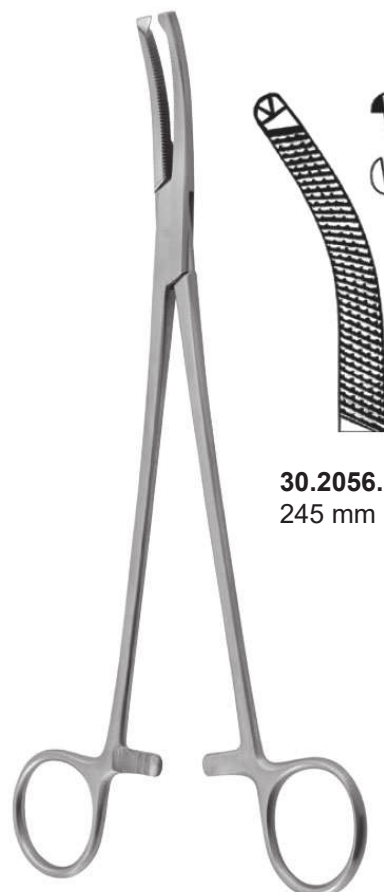
Mikulicz

30.2052.140 140 mm
30.2052.000 180 mm
30.2053.000 200 mm **30.2054**

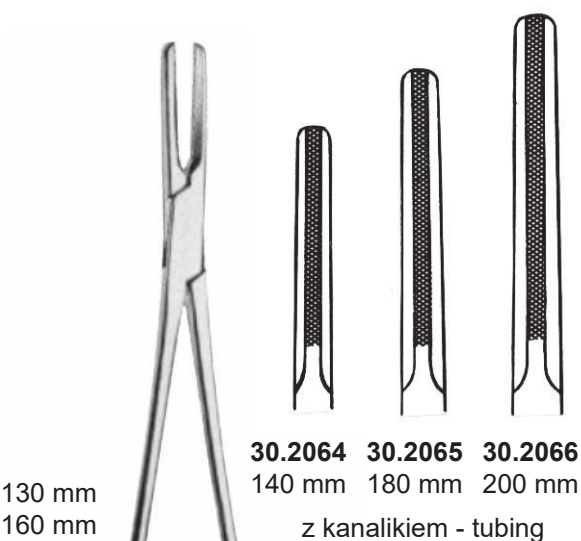
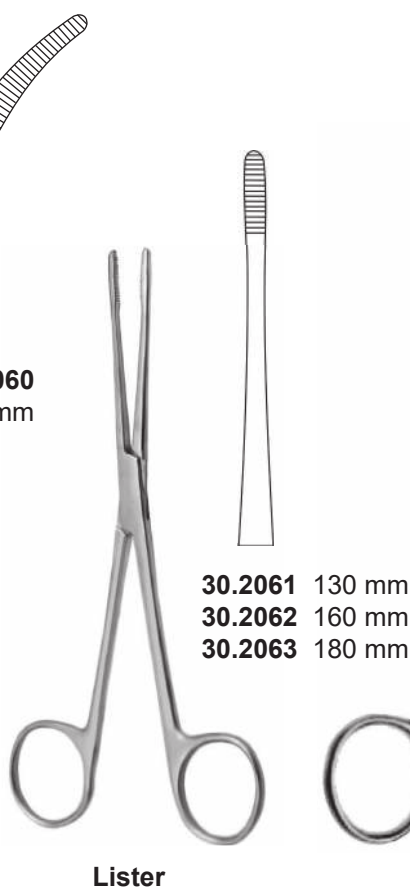
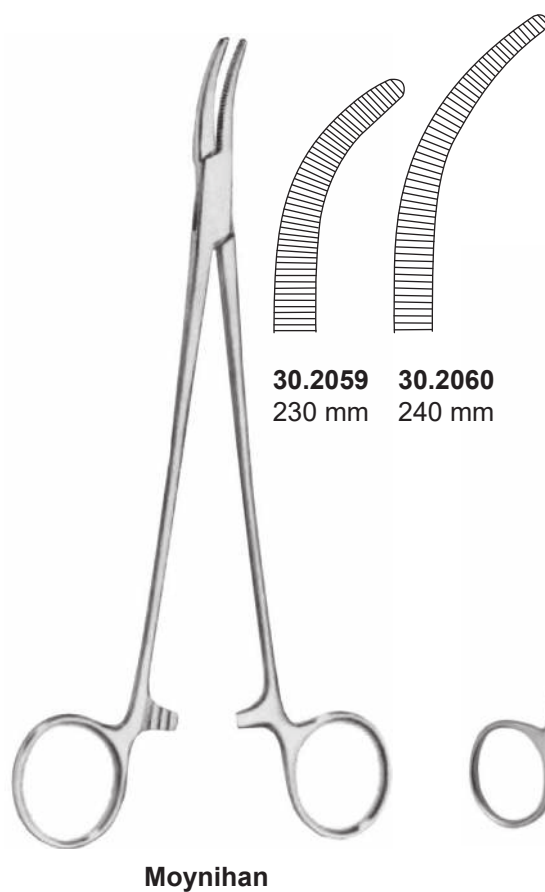
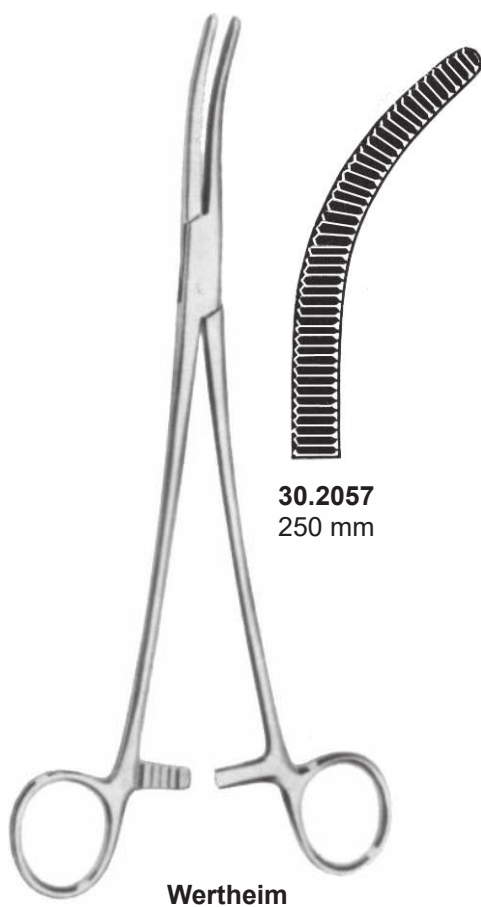


Wertheim

30.2055
220 mm

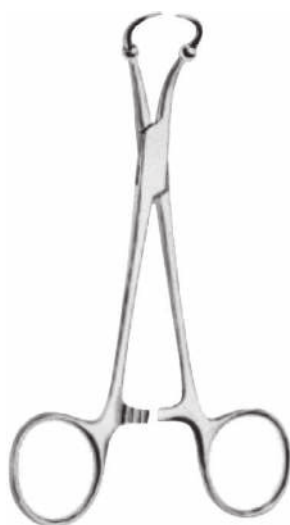


30.2056.100
245 mm





Lane
30.2067 200 mm



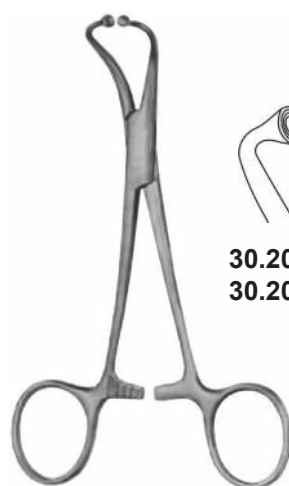
Roeder
30.2068 130 mm
30.2069 150 mm



Backhaus
30.2070 90 mm
30.2071 110 mm
30.2072 130 mm
30.2073 150 mm



Lorna
30.2074 100 mm
30.2075 130 mm



30.2076 110 mm
30.2077 130 mm



30.2078 110 mm
30.2079 130 mm



Doyen
30.2080 180 mm



Jones
30.2082 90 mm



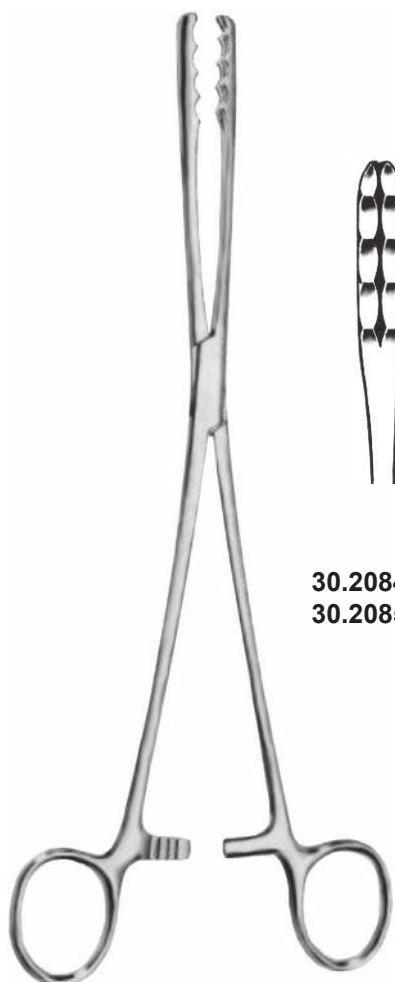
Ombredanne
30.2083 135 mm



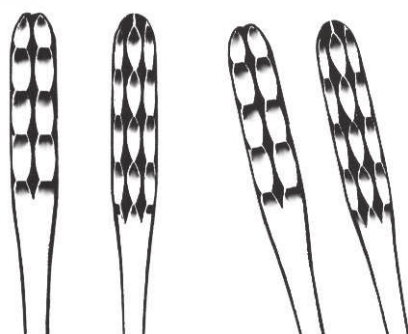
30.2089.000
30.2089.250



Gross
200mm **30.2090.000**
250mm **30.2090.250**



30.2084 200 mm
30.2085 250 mm

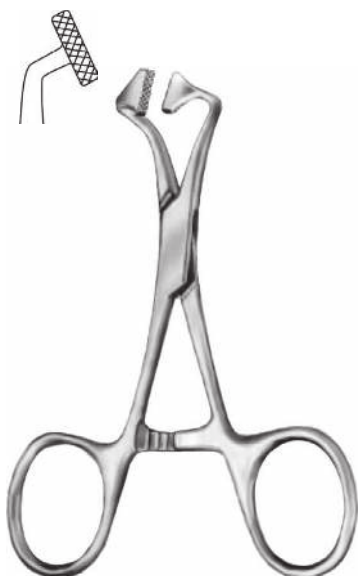


Ulrich

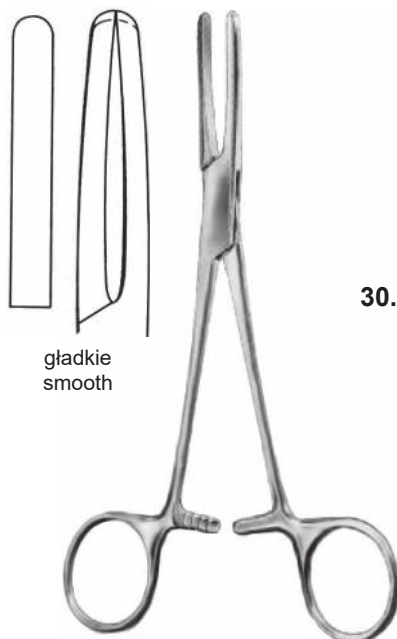
30.2086 200 mm
30.2087 250 mm



Pears
30.2088 145 mm

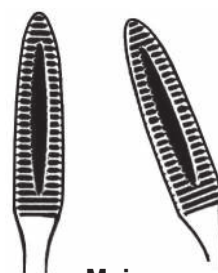


Thomas
30.2091 100 mm
30.2092 130 mm



gładkie
smooth

Presbyterian
30.2093 160 mm

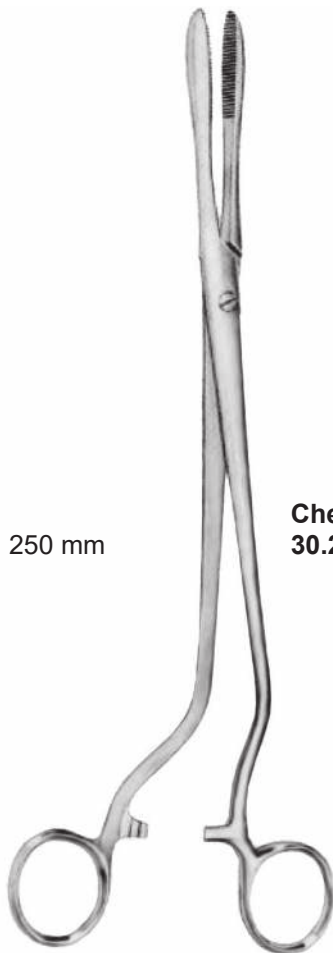


Maier

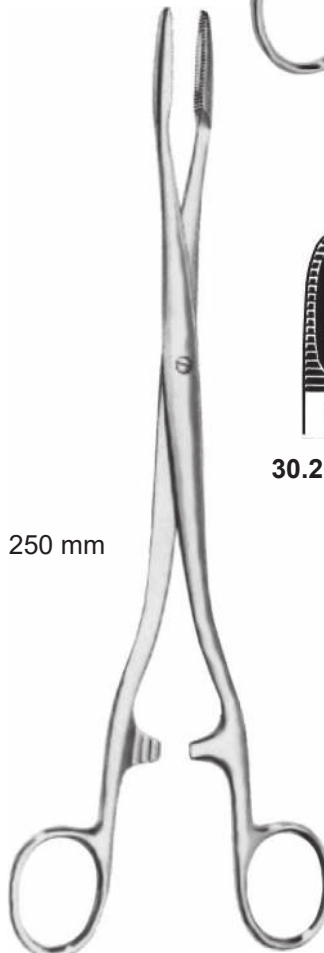
30.2094 220 mm **30.2096**
30.2095 250 mm **30.2097**
30.2095.270 270 mm **30.2097.270**



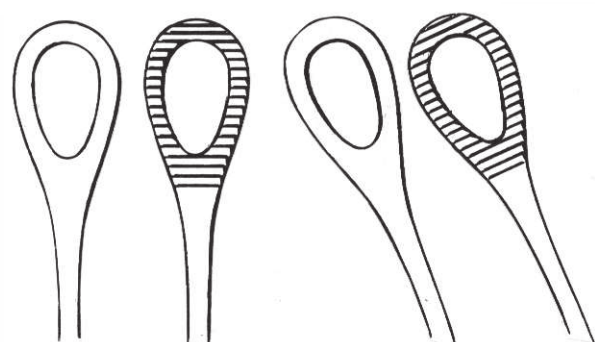
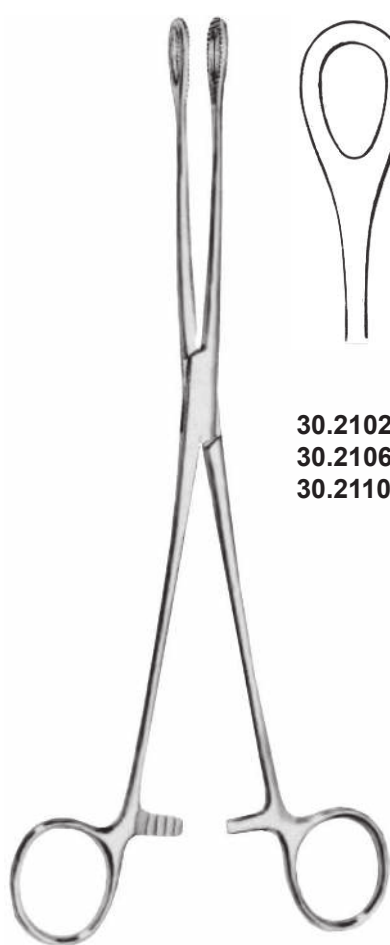
Collin
30.2098 250 mm



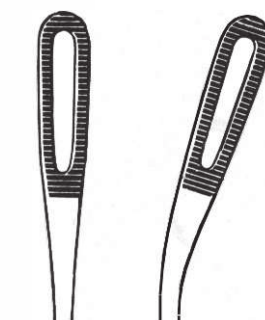
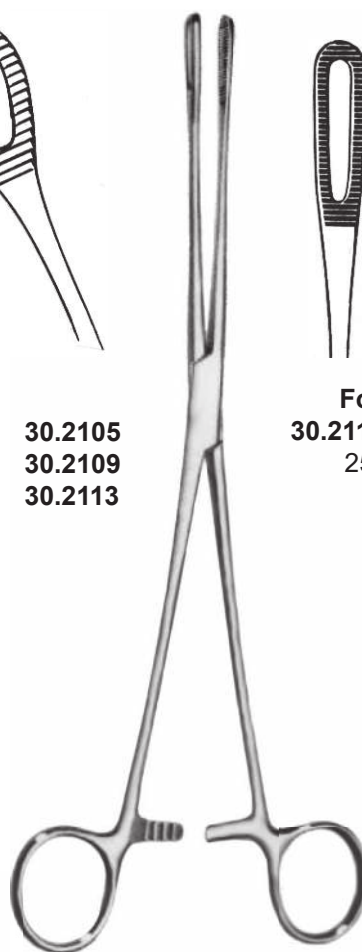
Cheron
30.2099 250 mm



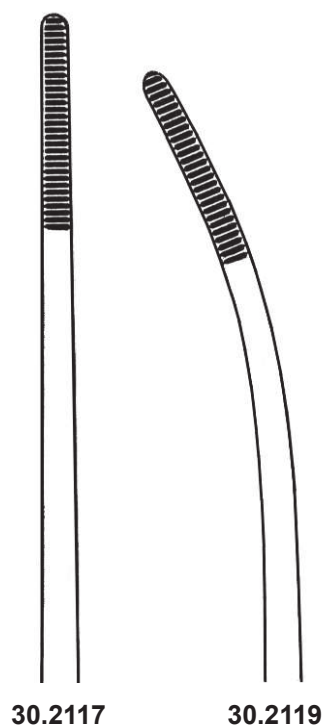
30.2100 **30.2101**
Duplay
250 mm



Foerster
 30.2102 30.2103 180 mm 30.2104 30.2105
 30.2106 30.2107 200 mm 30.2108 30.2109
 30.2110 30.2111 250 mm 30.2112 30.2113



Foerster
 30.2114 30.2115
 250 mm



30.2117 30.2119
Bozemann 260 mm



**Bozemann
-Douglas**
 30.2120
 260 mm

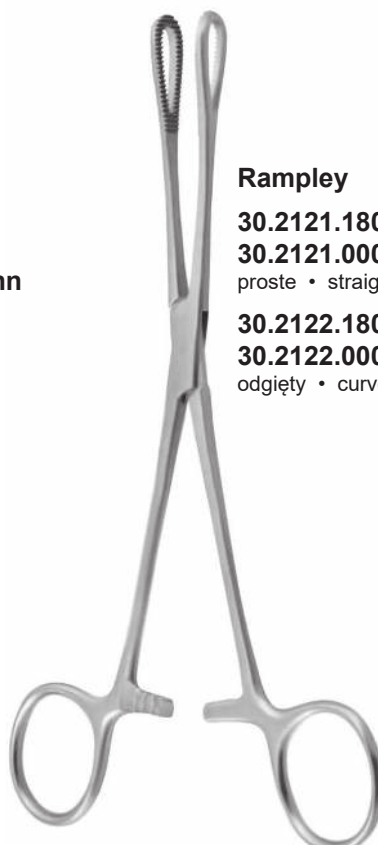




Pelkmann
30.1935
250 mm



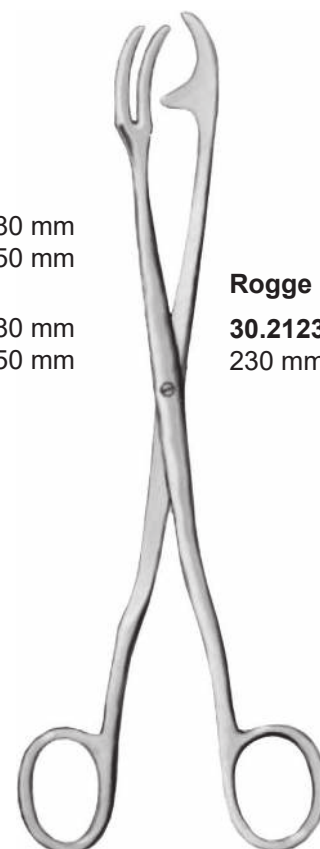
Pelkmann
30.1936
250 mm



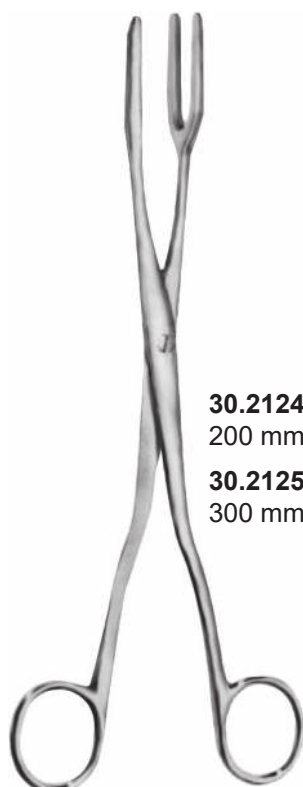
Rampley

30.2121.180 180 mm
30.2121.000 250 mm
proste • straight

30.2122.180 180 mm
30.2122.000 250 mm
odgięty • curved



Rogge
30.2123
230 mm



30.2124
200 mm
30.2125
300 mm



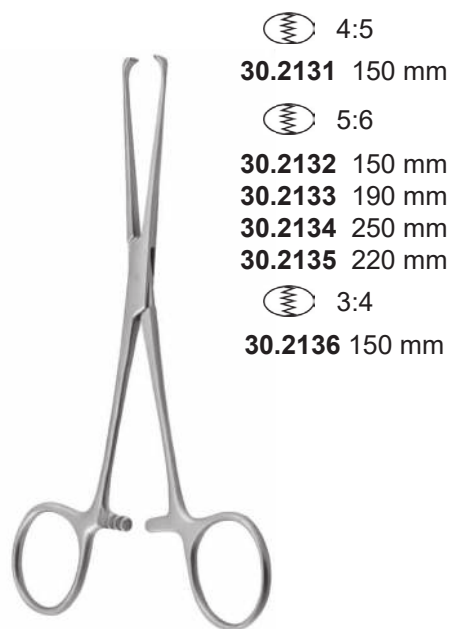
Davis

30.2127 160 mm
30.2128 200 mm
30.2129 240 mm



Pennington

30.2130.150 150 mm
30.2130.000 200 mm



Allis



Allis-Baby



Allis-Adair



Judd-Allis
30.2140 150 mm
30.2141 190 mm



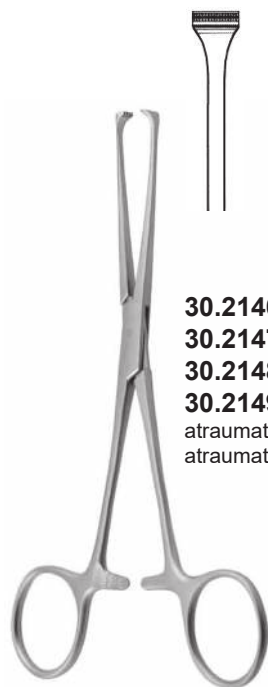
Boys-Allis
30.2142 150 mm



Thoms-Allis
30.2143 200 mm

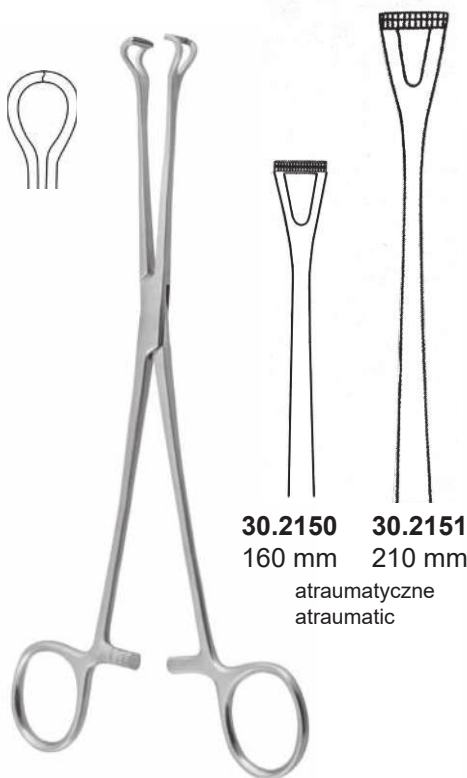


Lockwood-Allis
30.2144 160 mm
30.2145 200 mm



Allis

30.2146 155 mm
30.2147 200 mm
30.2148 220 mm
30.2149 250 mm
atraumatyczne
atraumatic



Babcock

30.2150 160 mm
30.2151 210 mm
atraumatyczne
atraumatic



Babcock

30.2152 140 mm
30.2153 160 mm
30.2154 180 mm
30.2155 200 mm
30.2156 240 mm



Payr

30.2158 150 mm
30.2159 210 mm
30.2160 290 mm
30.2161 350 mm
bez trzpienia
without pin

30.2162
30.2163
30.2164
30.2165
z trzpieniem
with pin



Benson
30.2157 155 mm



Williams
30.2166.016 160 mm

z utwardzoną wkładką • with T/C jaws



Babcock
30.2167 160 mm
30.2168 200 mm



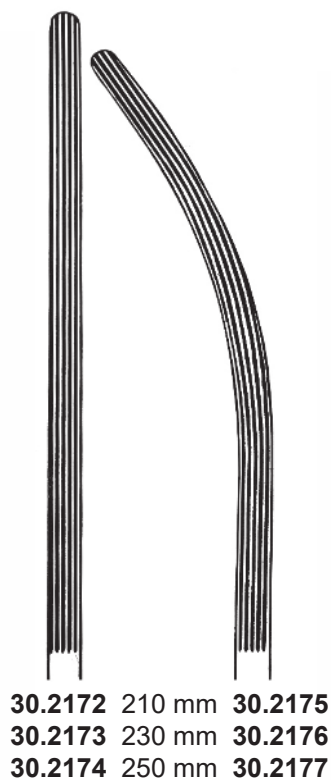
Allis
30.2169 160 mm
30.2170 190 mm



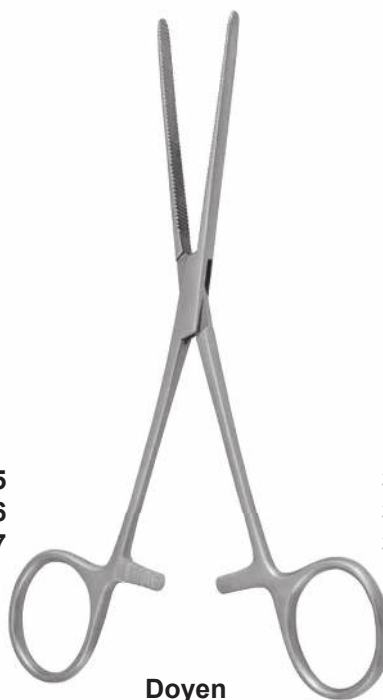
Duval
30.2171 200 mm



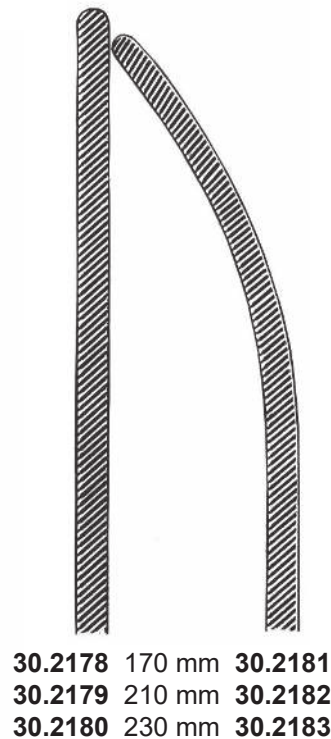
Mayo-Robson



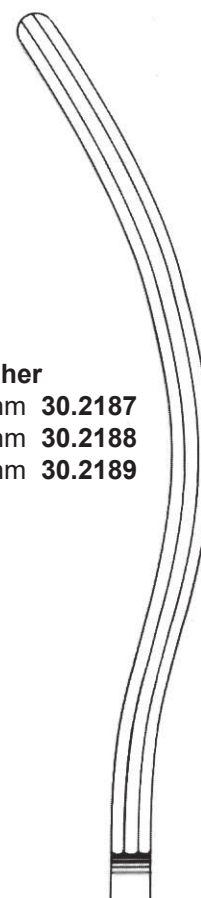
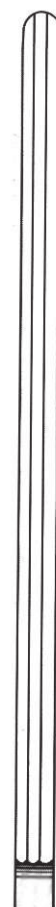
30.2172 210 mm **30.2175**
30.2173 230 mm **30.2176**
30.2174 250 mm **30.2177**



Doyen



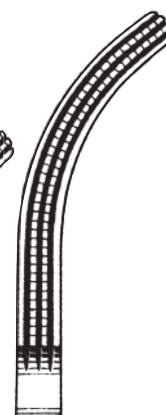
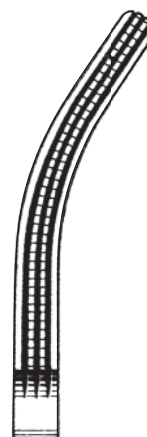
30.2178 170 mm **30.2181**
30.2179 210 mm **30.2182**
30.2180 230 mm **30.2183**



Kocher

30.2184	220 mm	30.2187
30.2185	250 mm	30.2188
30.2186	280 mm	30.2189

atraumatyczne • atraumatic



Rogers

30.1947	220 mm
30.1948	255 mm

30.1949	215 mm
30.1950	250 mm

30.1951	210mm
30.1952	245 mm

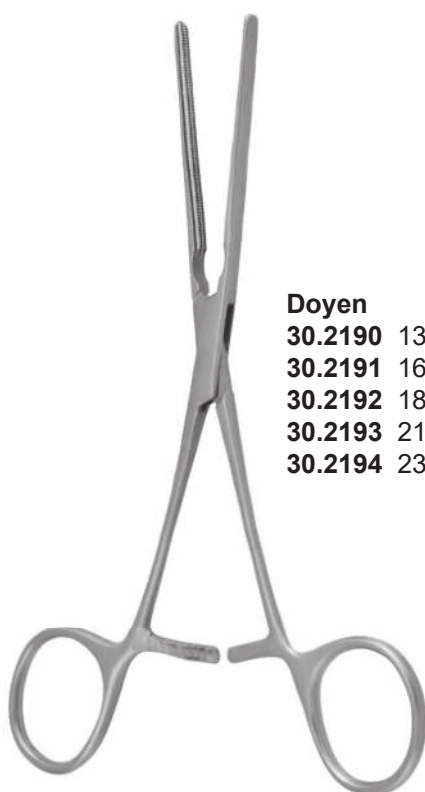
atraumatyczne • atraumatic



30.0079.025 25cm

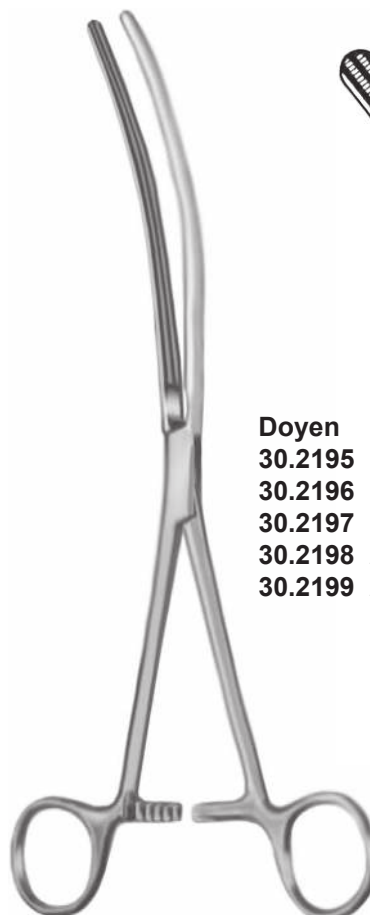


30.0079.026 26cm



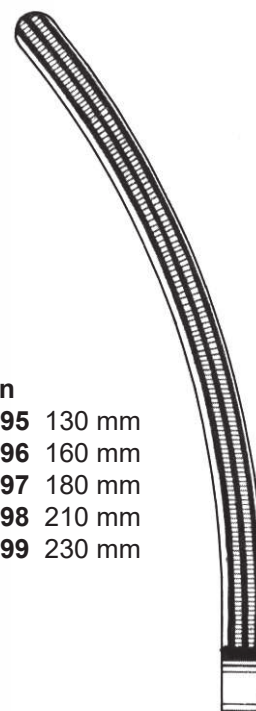
Doyen

30.2190 130 mm
30.2191 160 mm
30.2192 180 mm
30.2193 210 mm
30.2194 230 mm

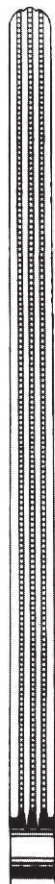


Doyen

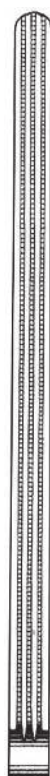
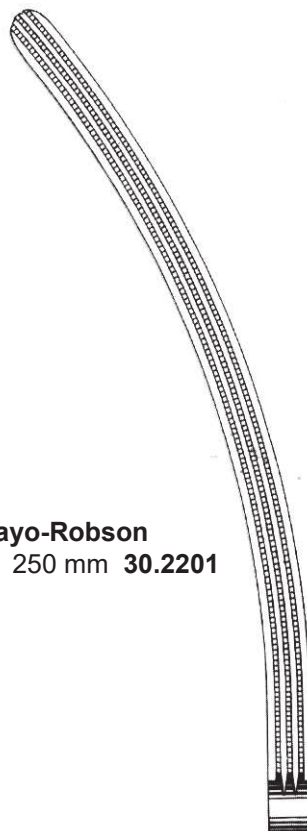
30.2195 130 mm
30.2196 160 mm
30.2197 180 mm
30.2198 210 mm
30.2199 230 mm



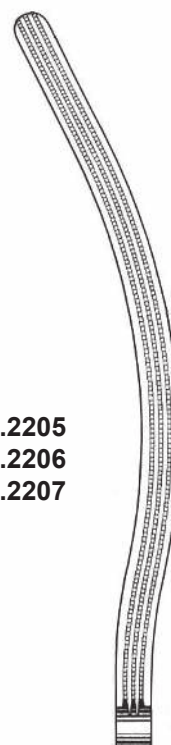
atraumatyczne - atraumatic

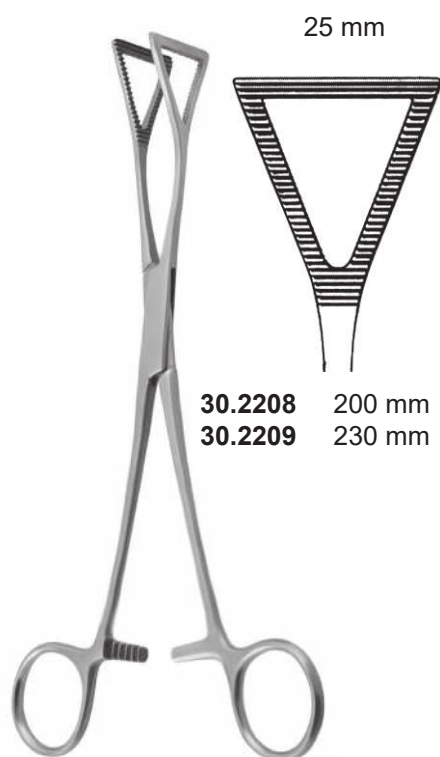


Mayo-Robson
30.2200 250 mm 30.2201



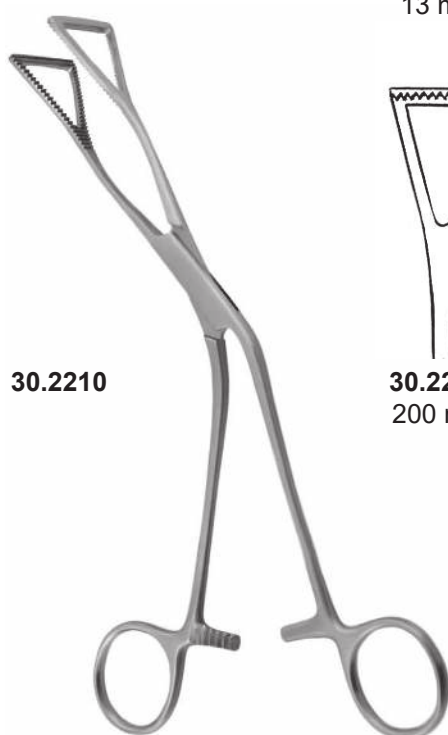
Kocher
30.2202 220 mm 30.2205
30.2203 250 mm 30.2206
30.2204 280 mm 30.2207





30.2208 200 mm
30.2209 230 mm

Duval



30.2210

Lovelace



30.2211 200 mm
30.2212 200 mm
30.2213 230 mm



Collin



Price-Thomas
30.2214 225 mm



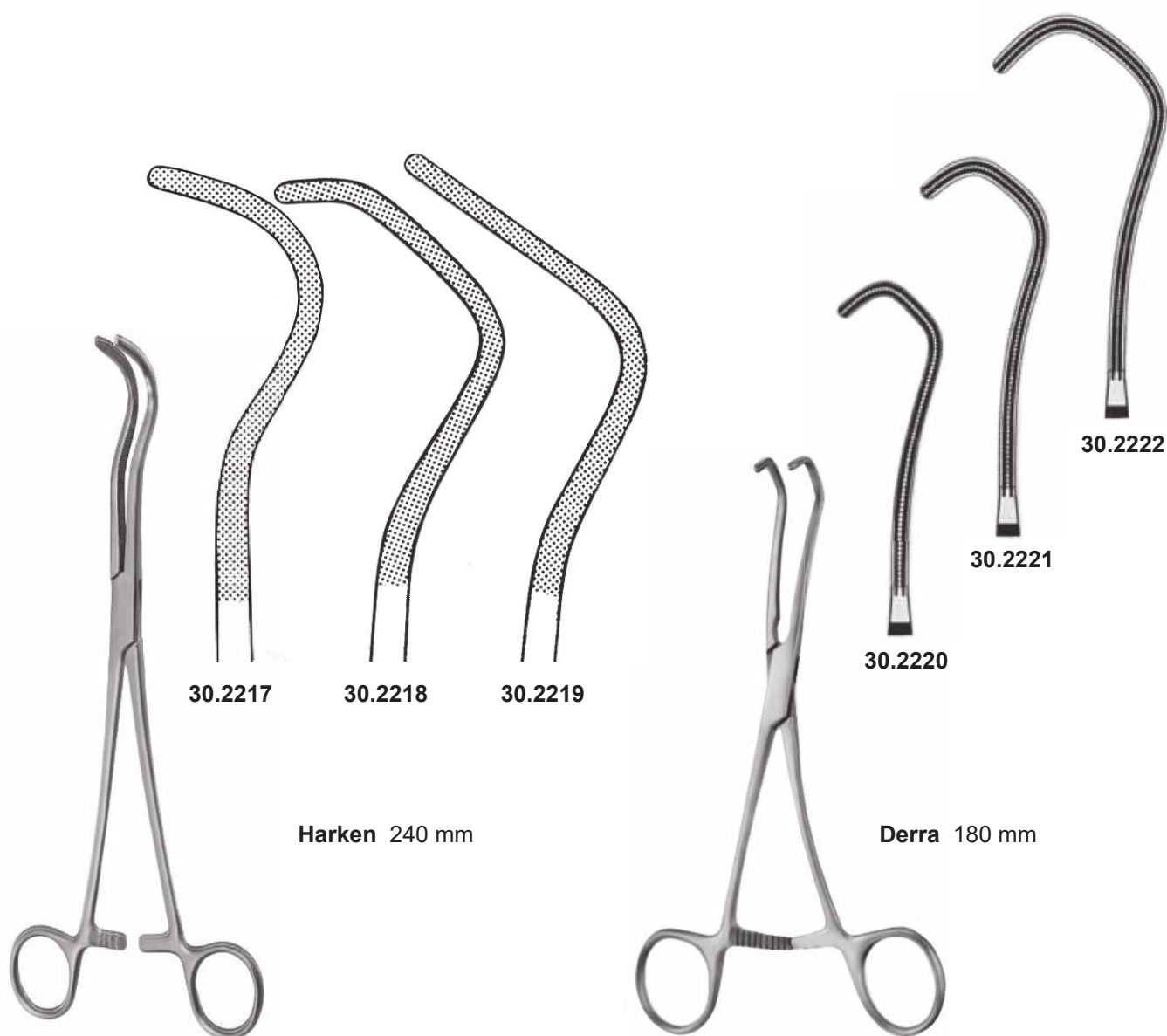
Price-Thomas
225 mm



30.2215



30.2216



Trousseau
30.2223 140 mm



Laborde
30.2224 140 mm



Satinsky 265 mm

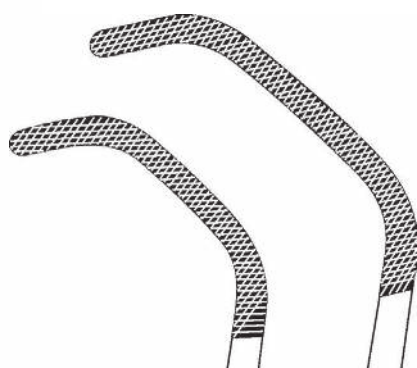
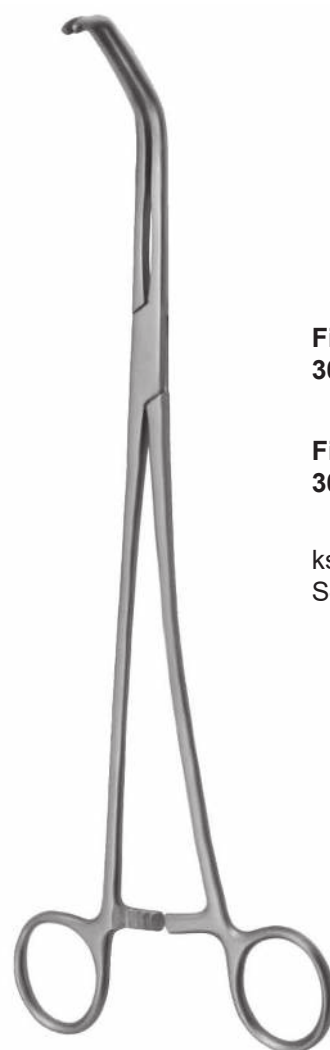


Fig. 1
30.2225

Fig. 2
30.2226



Satinsky 265 mm

Fig. 1
30.2227

Fig. 2
30.2228

kształt S
S-shaped



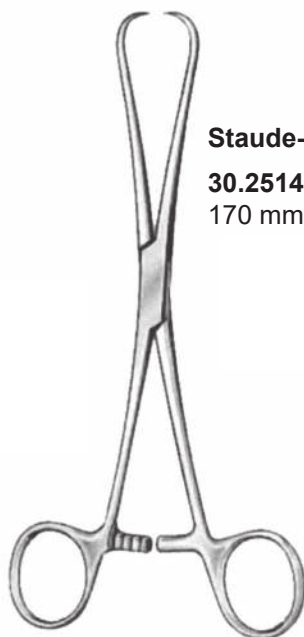
Baby-Satinsky
30.2229 150 mm



Schröder
30.2512
proste
straight

30.2513
odgięte do przodu
curved forwards

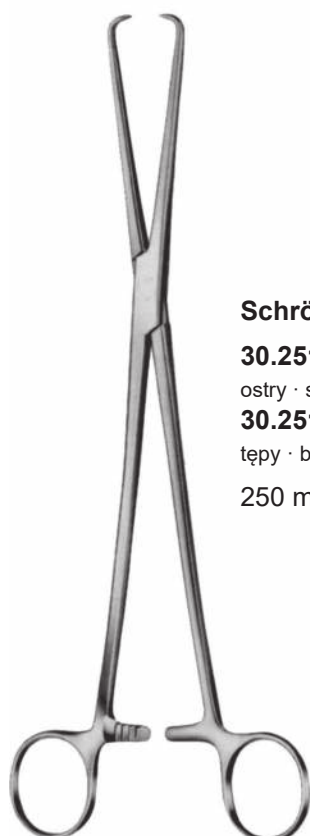
240 mm



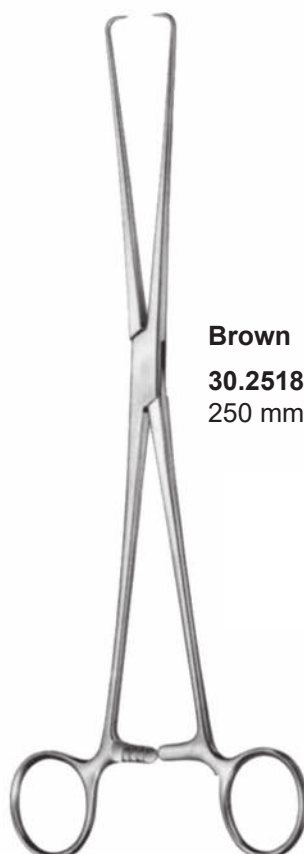
Staude-Moore
30.2514
170 mm



Czerny
30.2515
200 mm



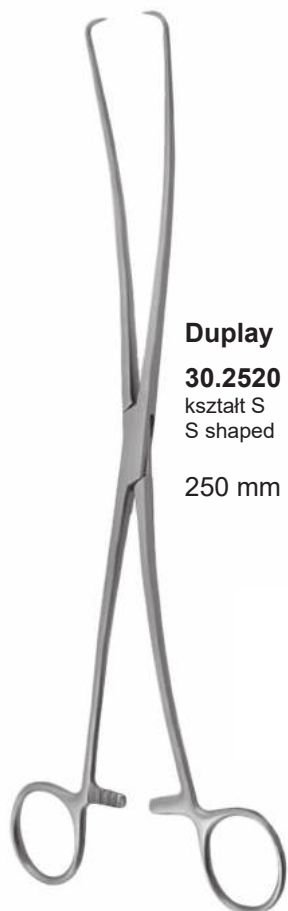
Schröder-Brown
30.2516
ostrzy · sharp
30.2517
tępy · blunt
250 mm



Brown
30.2518
250 mm



Teale
30.2519
230 mm



Duplay

30.2520

kształt S
S shaped

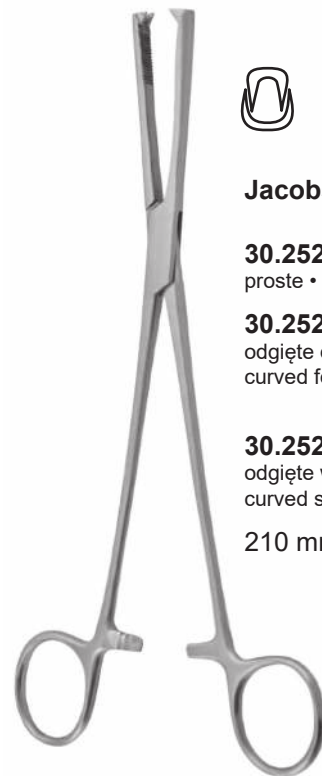
250 mm



Skene

30.2521

240 mm



Jacobs

30.2522

proste • straight

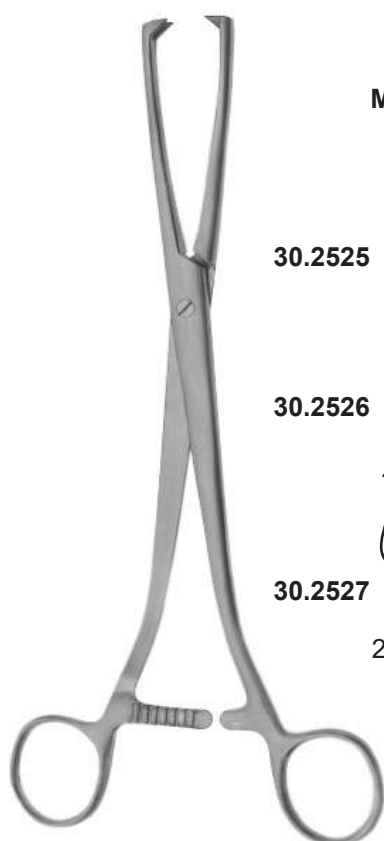
30.2523

odgięte do przodu
curved forwards

30.2524

odgięte w bok
curved sideways

210 mm



Museux



30.2525

6 mm

30.2528



30.2526

8 mm

30.2529

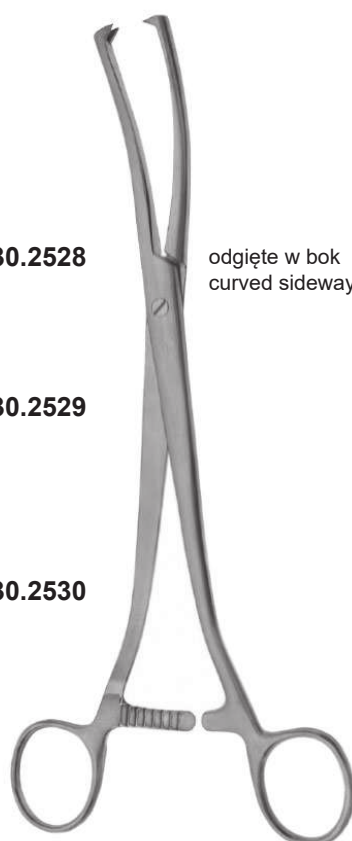


30.2527

10 mm

30.2530

240 mm



odgięte w bok
curved sideways



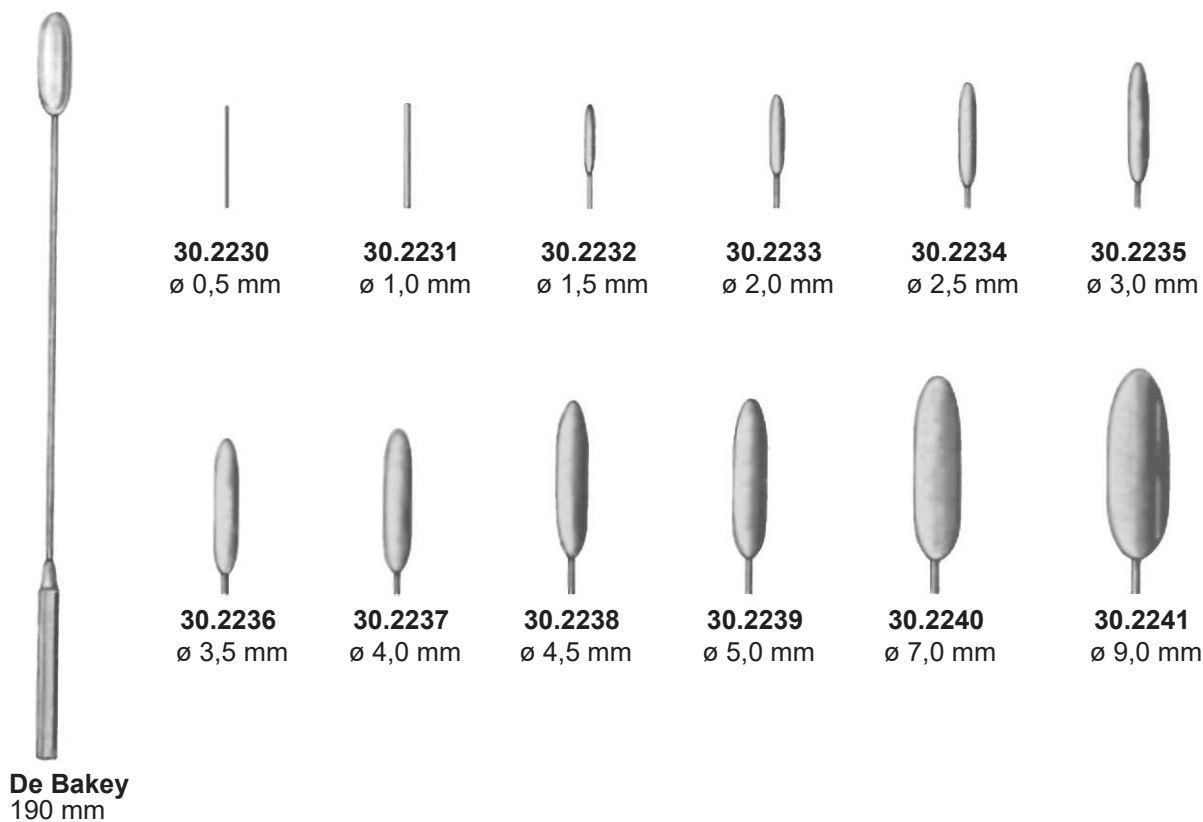
Pozzi

30.2590.180

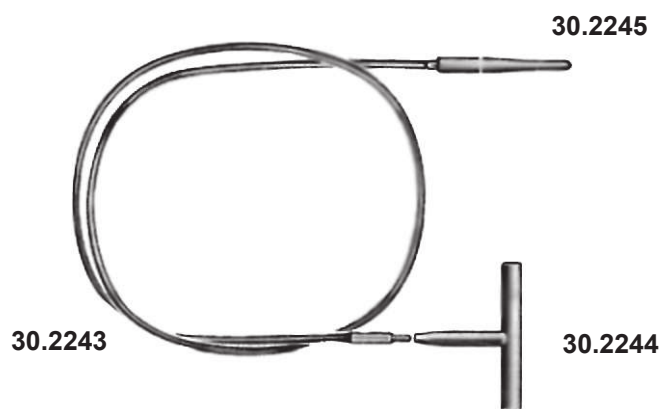
180 mm

30.2590.250

250 mm



Nabatoff
30.2242
135x100x25 mm
Komplet nie zawiera końcówki Ø15 mm
Set does not include the olive of Ø15 mm





30.3510.000 140 mm



30.3510.115 115 mm
30.3510.130 130 mm
30.3510.145 145 mm
30.3510.160 160 mm
30.3510.180 180 mm
30.3510.200 200 mm



30.3511.115 115 mm
30.3511.130 130 mm
30.3511.145 145 mm
30.3511.160 160 mm
30.3511.180 180 mm



30.3512.160 160 mm



30.3512.200 200 mm



30.2266
Ø 4 mm

Mayo 320 mm
giętka
malleable



30.2267
4 mm

30.2268
5 mm

30.2269
6 mm

Desjardins 280 mm
elastyczna
flexible



1 mm
30.2270

2 mm
30.2271

3 mm
30.2272

4 mm
30.2273

5 mm
30.2274

6 mm
30.2275

7 mm
30.2699

1/1

8 mm
30.2276

9 mm
30.2277

10 mm
30.2278

11 mm
30.2279

12 mm
30.2280

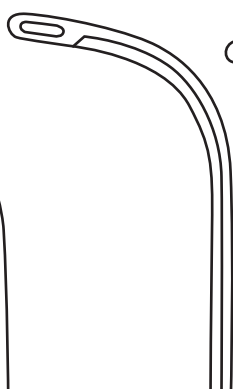
13 mm
30.2281

1/1

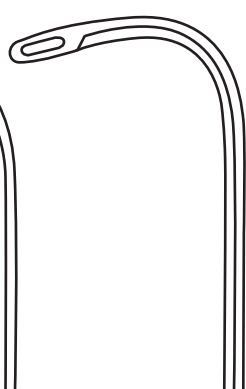
Bakes
300 mm



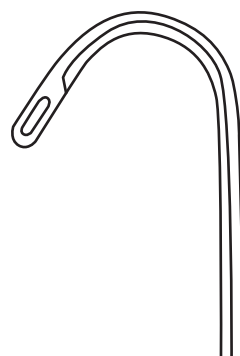
30.2252
230 mm



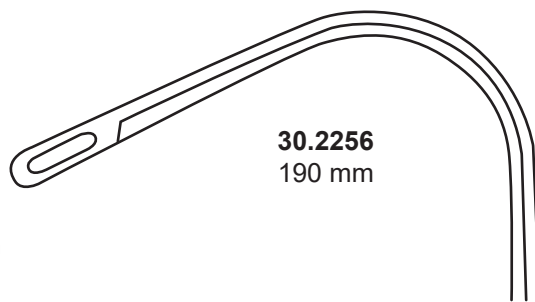
30.2253
220 mm



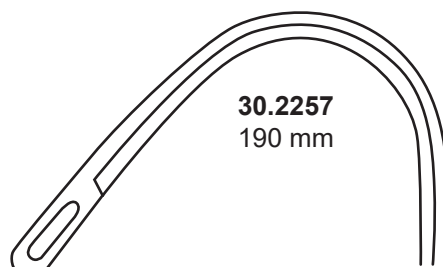
30.2254
220 mm



30.2255
220 mm



30.2256
190 mm



30.2257
190 mm



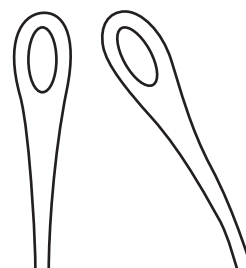
30.2258



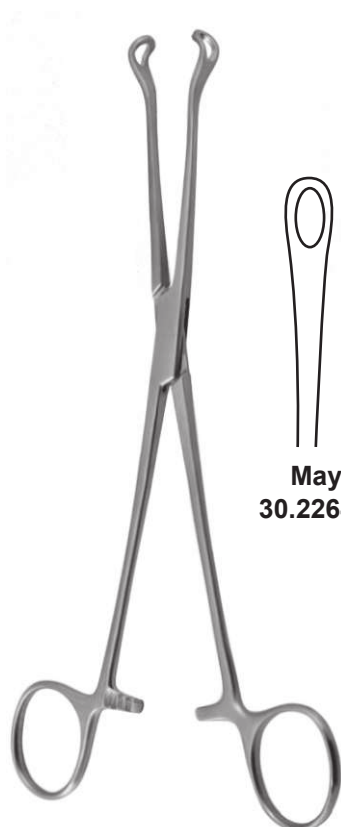
30.2259



Mixer
30.2261 220 mm



Blake 200 mm
30.2262 **30.2263**



Mayo-Blake 200 mm
30.2264 **30.2265**

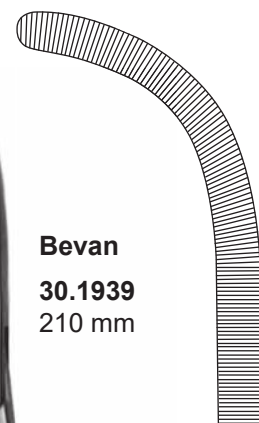
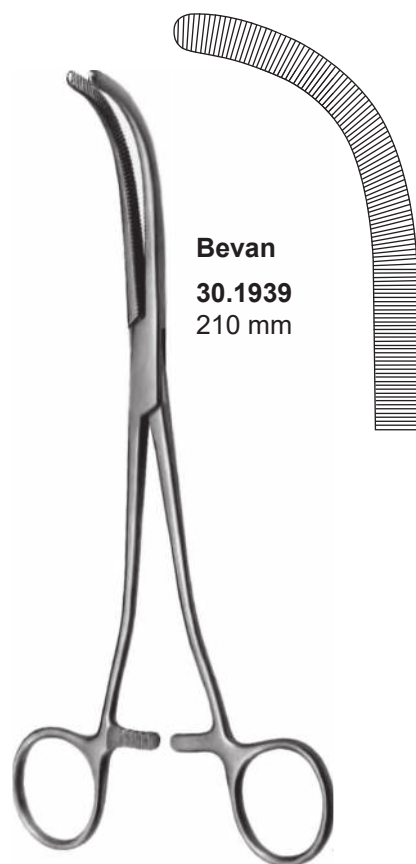




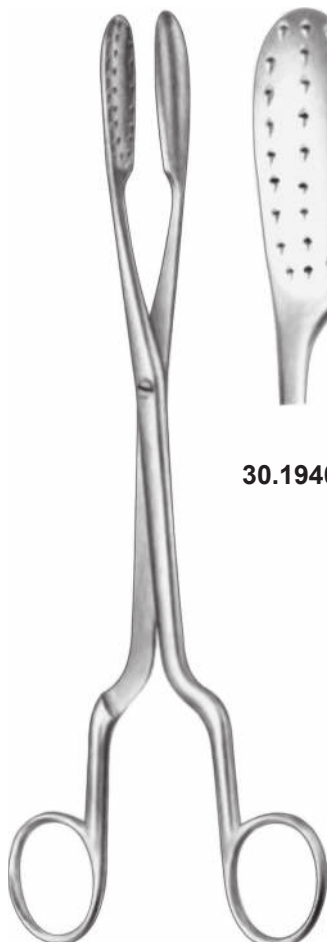
Rochester
30.1937
230 mm



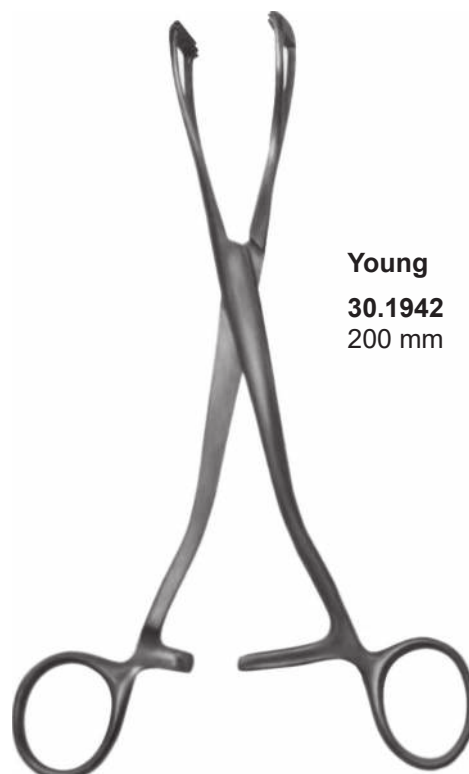
Best
30.1938
230 mm



Bevan
30.1939
210 mm



Lewkowitz
30.1940 245 mm **30.1941**



Young
30.1942
200 mm

hemoroidalne • haemorrhoidal



McGivney
30.1943
190 mm



McGivney
30.1944
190 mm



Laufe
30.1945
200 mm



Pratt
30.1946
150 mm

do wprowadzania cewników • catheter



Magill-Baby
30.1953
150 mm
dla dzieci
for children



Magill
30.1954
200 mm
dla dzieci
for children



Magill
30.1955
250 mm
dla dorosłych
for adults



Michel
30.4230
125 mm



Collin
30.4231
135 mm



Michel
30.4233
120 mm



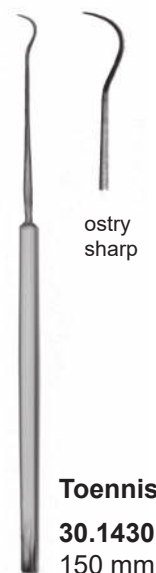
Michel
30.4234
120 mm



Hagenbarth
30.4235
125 mm



Wachenfeldt
30.4236
125 mm





Graham
30.1431
165 mm

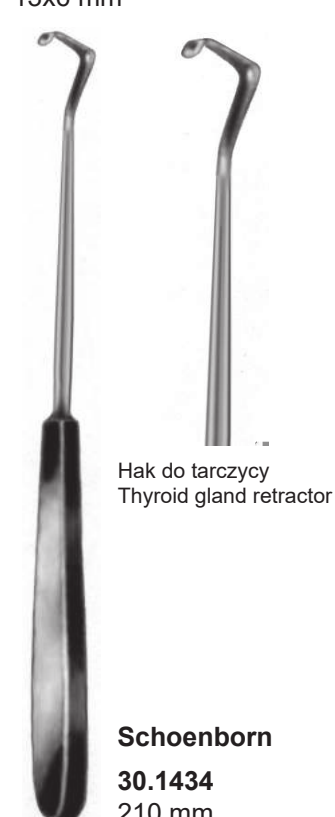


Adson
30.1432
200 mm



Adson
30.1433
200 mm

13x6 mm



Hak do tarczycy
Thyroid gland retractor

Schoenborn
30.1434
210 mm



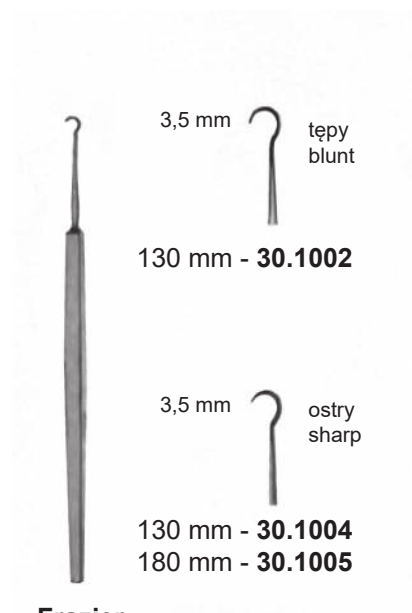
News
30.1435
150 mm

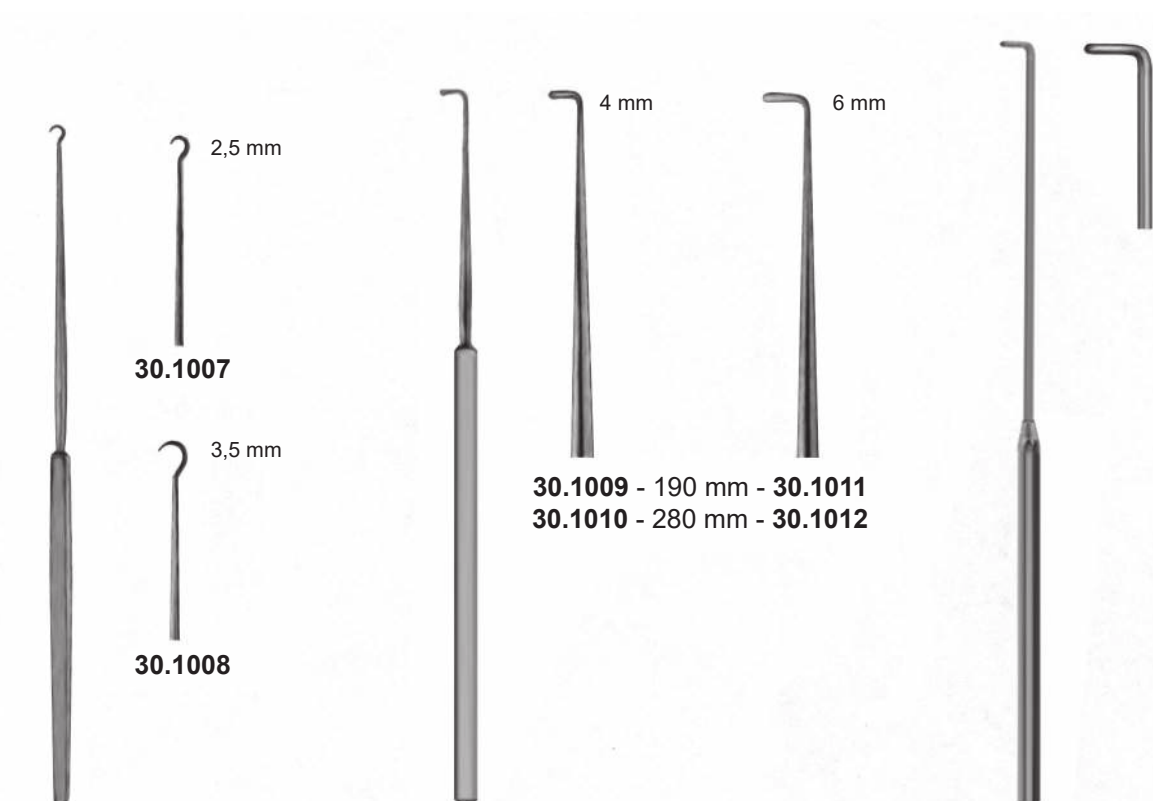


Bose
30.1436
160 mm

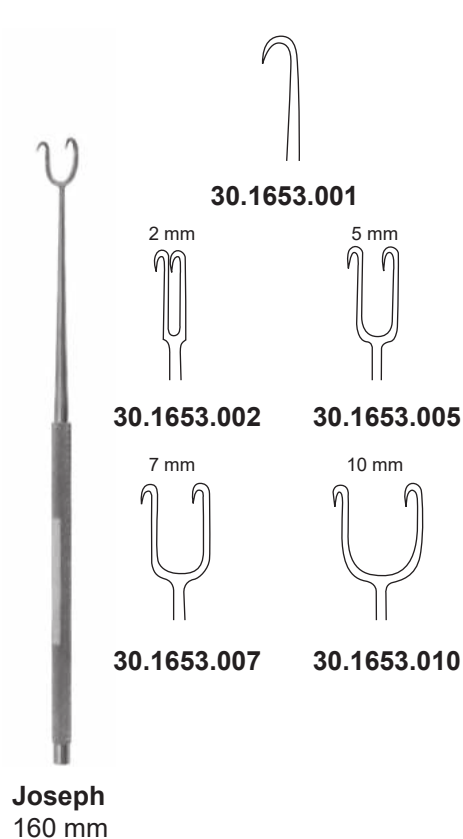
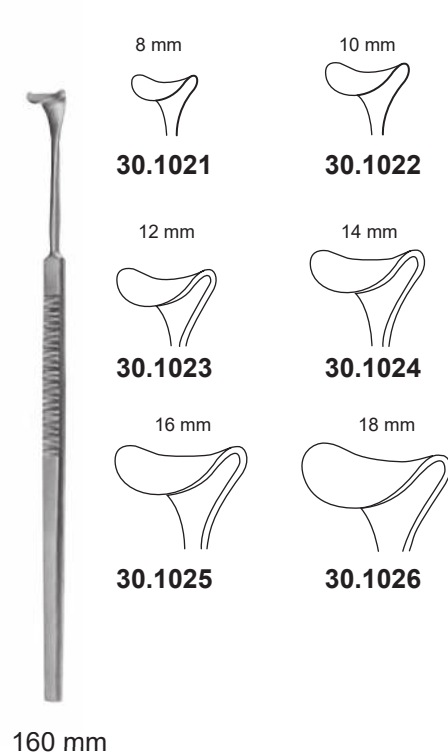
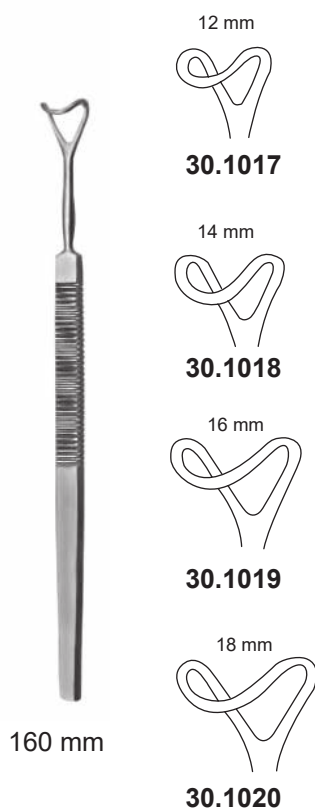


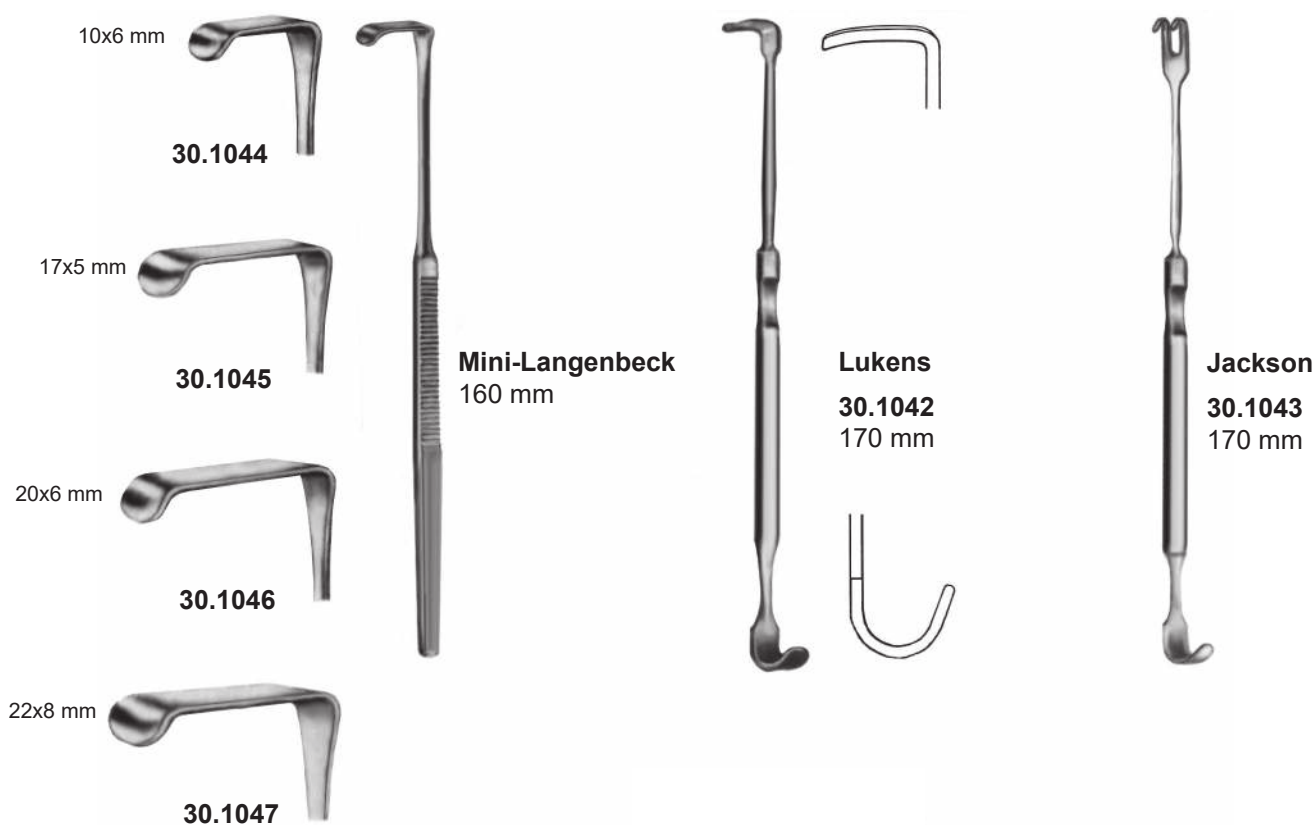
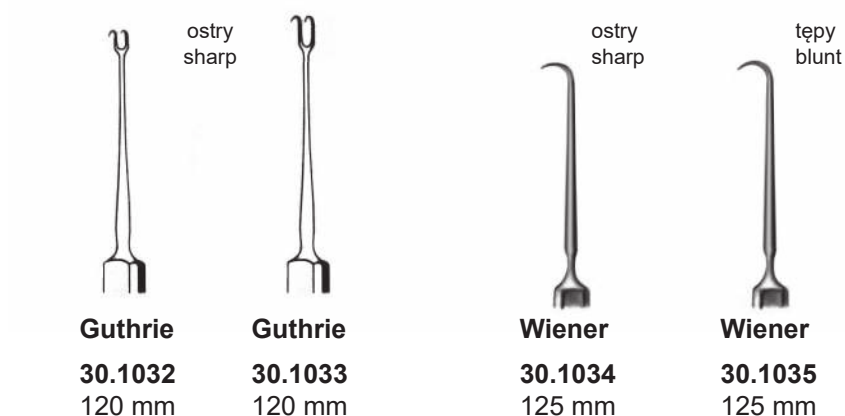
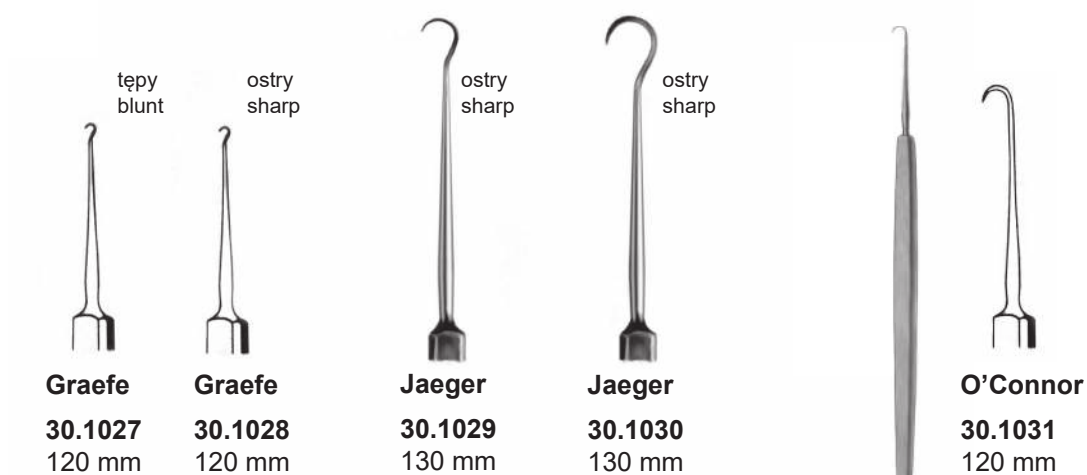
Bose
30.1437
160 mm


Frazier

Kilner
30.1006
150mm

Gillies
180 mm

Cushing
Crile
30.1013
200 mm







160 mm

tępy
blunt


30.1048



30.1049



30.1050



30.1051

ostry
sharp


30.1052



30.1053



30.1054



30.1055



30.1056



30.1057



30.1058



30.1059

tępy
blunt


30.1060



30.1061



30.1062



30.1063

ostry
sharp


160 mm


giętki
flexible

160 mm

tępy
blunt


30.1064



30.1065



30.1066



30.1067

ostry
sharp


30.1068



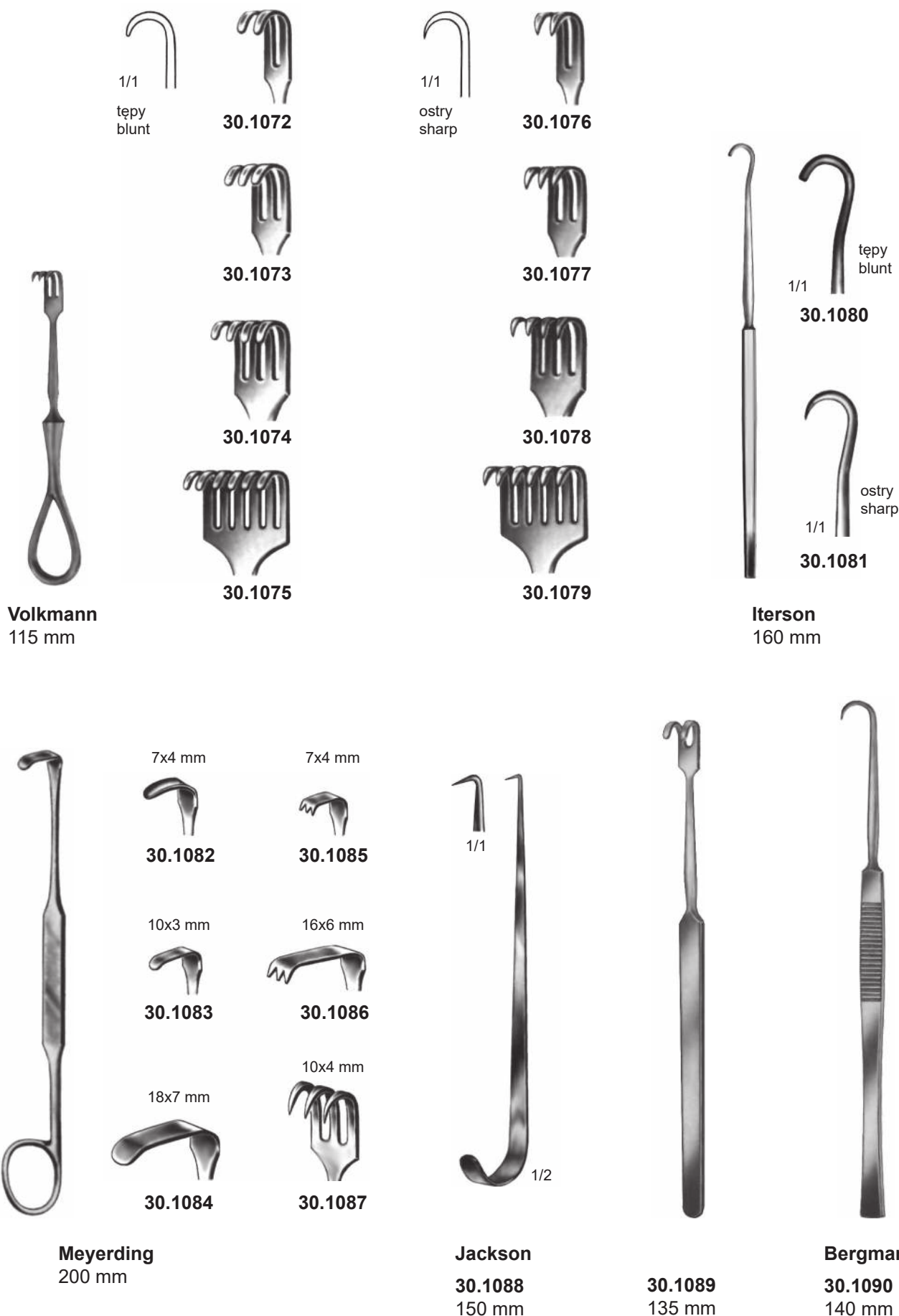
30.1069



30.1070



30.1071





30.1091 8 mm
30.1092 11 mm
30.1093 15 mm
30.1094 17 mm
30.1095 20 mm
30.1096 23 mm

Gil-Vernet
240 mm



30.1098 15 mm
30.1099 20 mm

Love (Morse)
250 mm



12x14 mm

Little
30.1103
200 mm



Cushing
200 mm

8 mm



30.1104

10 mm



30.1105

12 mm



30.1106

14 mm



30.1107

16 mm



30.1108

18 mm



30.1109



Cushing
240 mm

8 mm



30.1110

10 mm



30.1111

12 mm



30.1112

14 mm



30.1113

16 mm

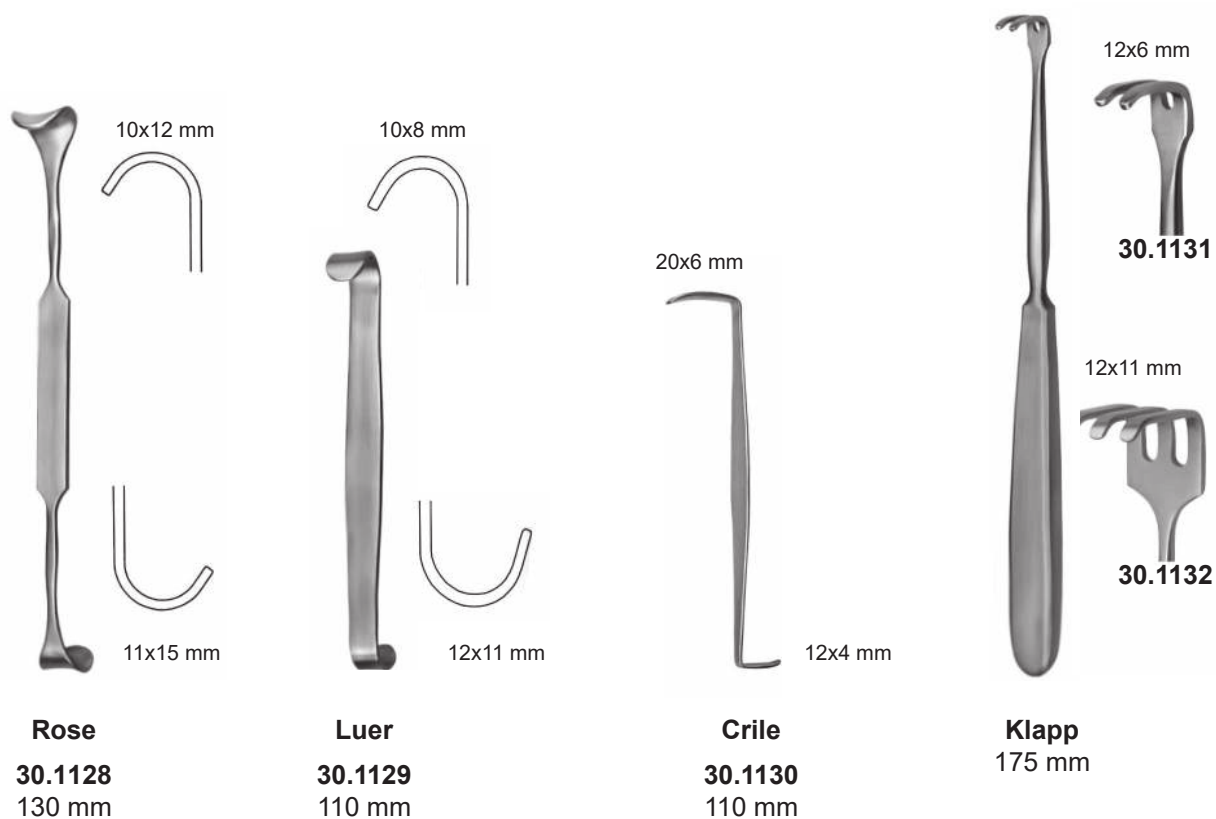
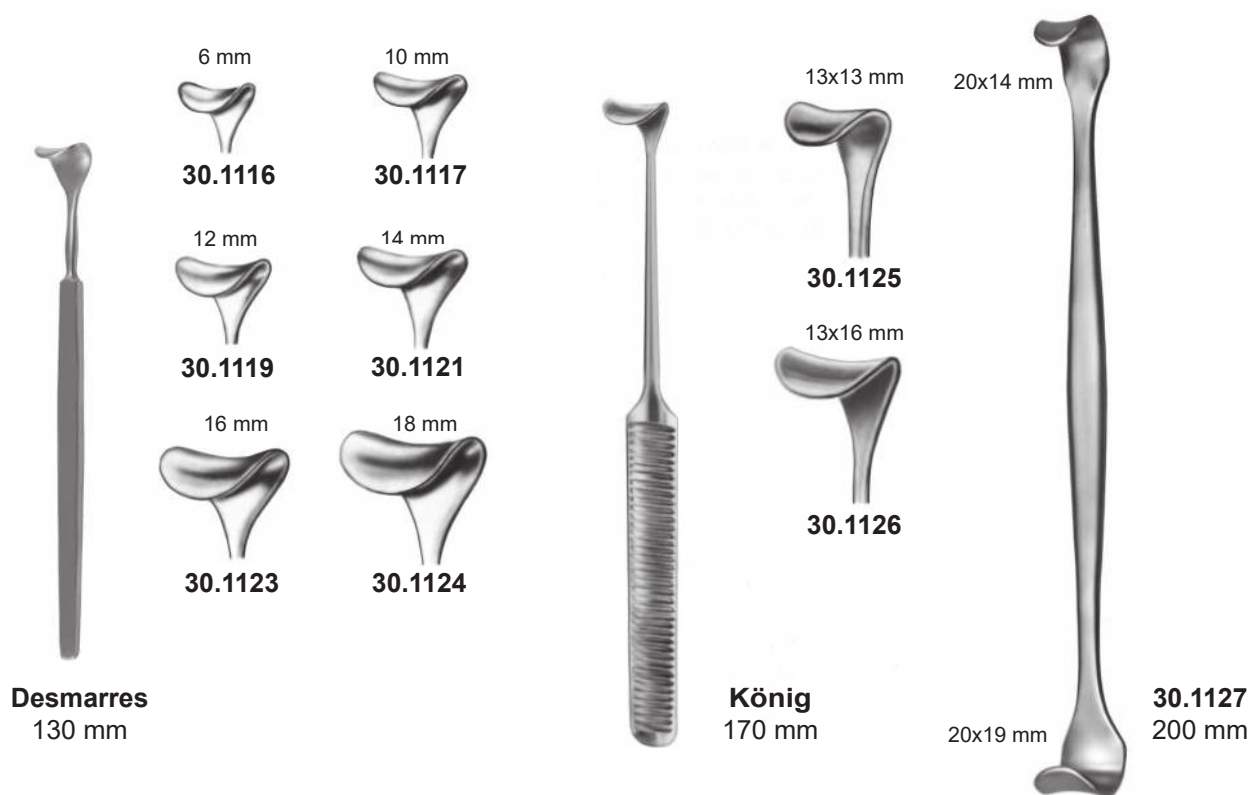


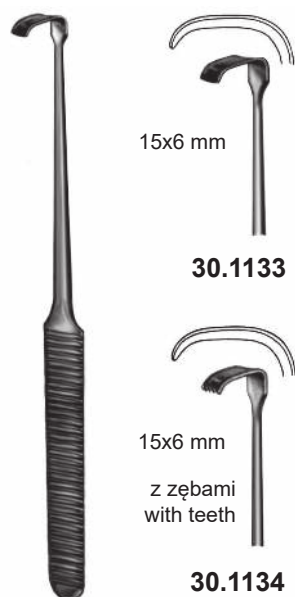
30.1114

18 mm



30.1115

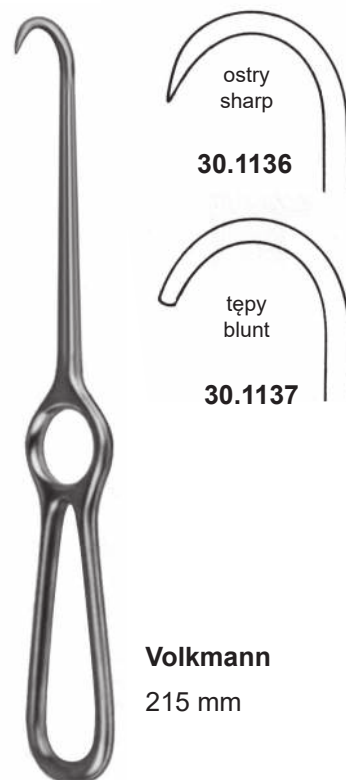




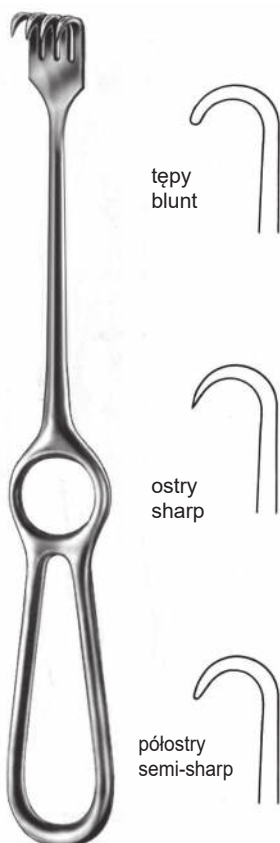
Strandell-Stille
190 mm



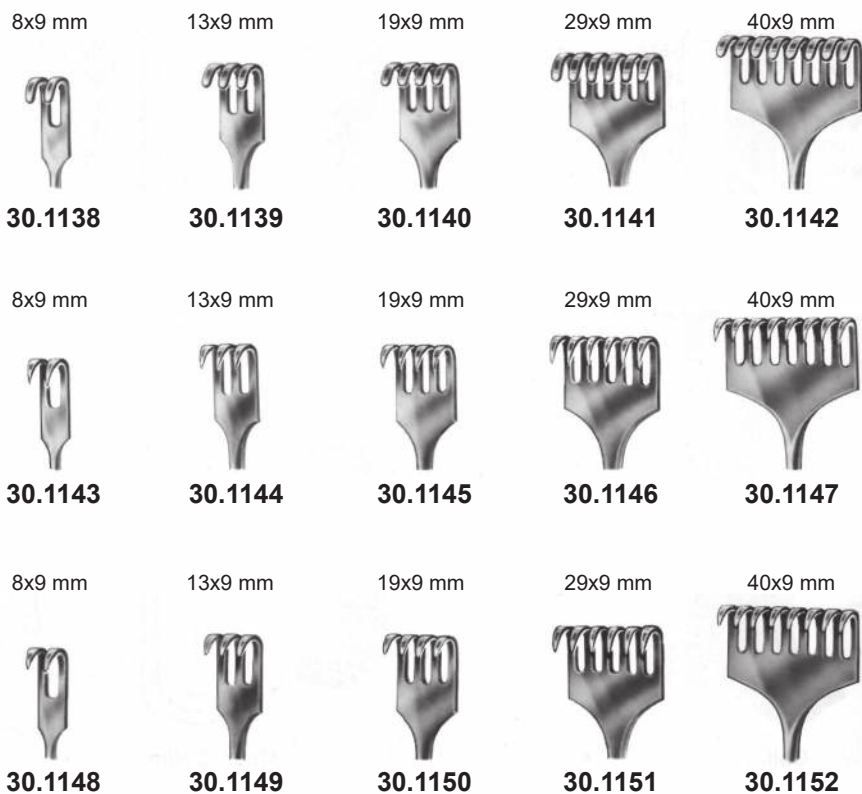
Cushing
30.1135
200 mm



Volkmann
215 mm



Volkmann
215 mm



Volkman
230 mm


tępy
blunt

30.1153

8x9 mm



30.1154

13x9 mm



30.1155

19x9 mm



30.1156

29x9 mm



30.1157

ostry
sharp

30.1158

8x9 mm



30.1159

13x9 mm



30.1160

19x9 mm

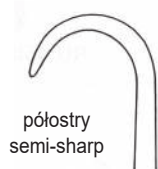
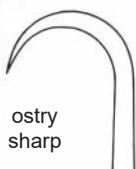


30.1161

29x9 mm



30.1162

Kocher
220 mm


10x15 mm



30.1168

15x15 mm



30.1169

20x15 mm



30.1170

30x15 mm



30.1171

40x15 mm



30.1172

10x15 mm



30.1174

15x15 mm



30.1175

20x15 mm



30.1176

30x15 mm



30.1177

40x15 mm



30.1178

10x15 mm



30.1179

15x15 mm



30.1230

20x15 mm



30.1231

30x15 mm



30.1232

40x15 mm



30.1233





tępy
blunt
тупой



Kocher
30.1167
215 mm



ostry
sharp



Kocher
30.1173
215 mm



ostry
sharp



Kocher
30.1180
215 mm



tępy
blunt



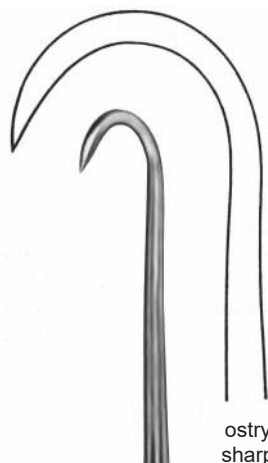
Kocher
30.1181
215 mm



ostry
sharp



30.1182
245 mm



ostry
sharp



Volkman
30.1183
215 mm



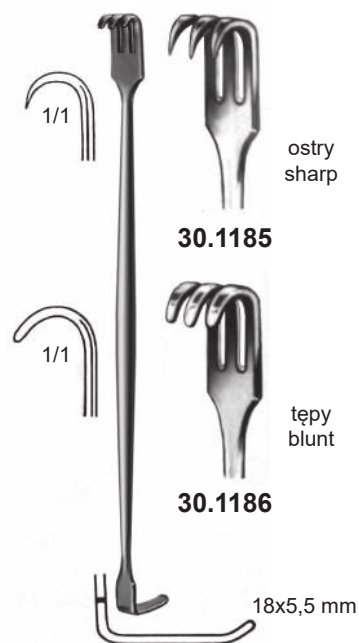
tępy
blunt



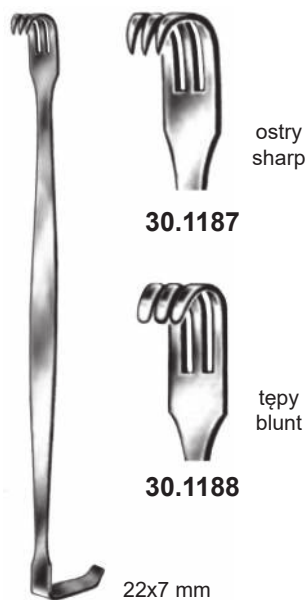
Volkman
30.1184
215 mm



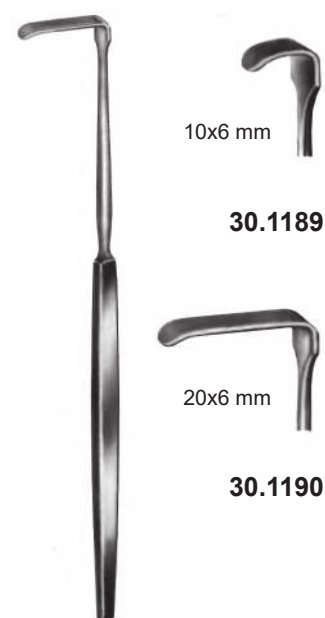
40.7216
230 mm



Senn-Miller
160 mm



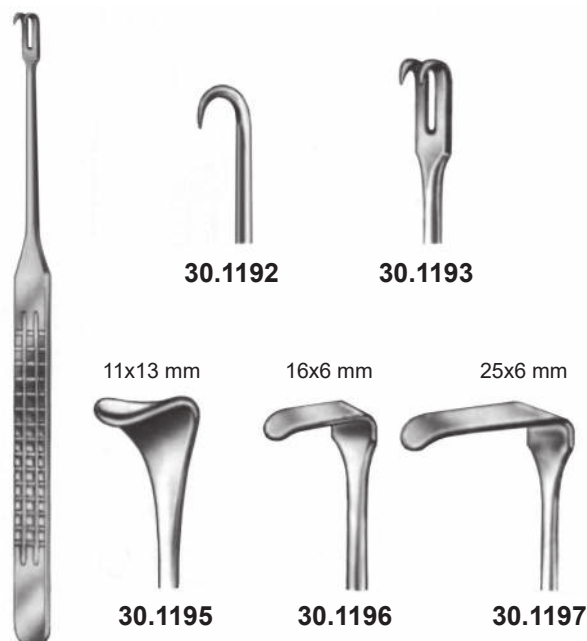
Baby-Senn-Miller
160 mm



Senn-Green
160 mm



Ragnell-Davis
30.1191
140 mm



Langenbeck-Green
160 mm



140 mm **30.1199**
160 mm **30.1200**

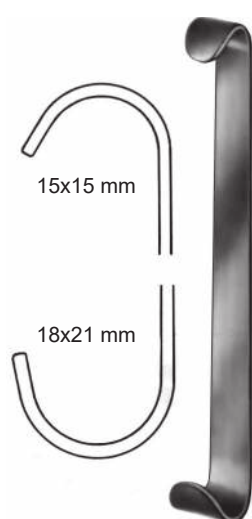
Collin- Hartmann
Komplet • Set **30.1198**



1. 140 mm **30.1202**
2. 150 mm **30.1203**
3. 170 mm **30.1204**

33x29 mm
29x26 mm
24x20 mm
30x28 mm
36x36 mm
38x43 mm

Roux
Komplet • Set **30.1201**



15x15 mm
18x21 mm

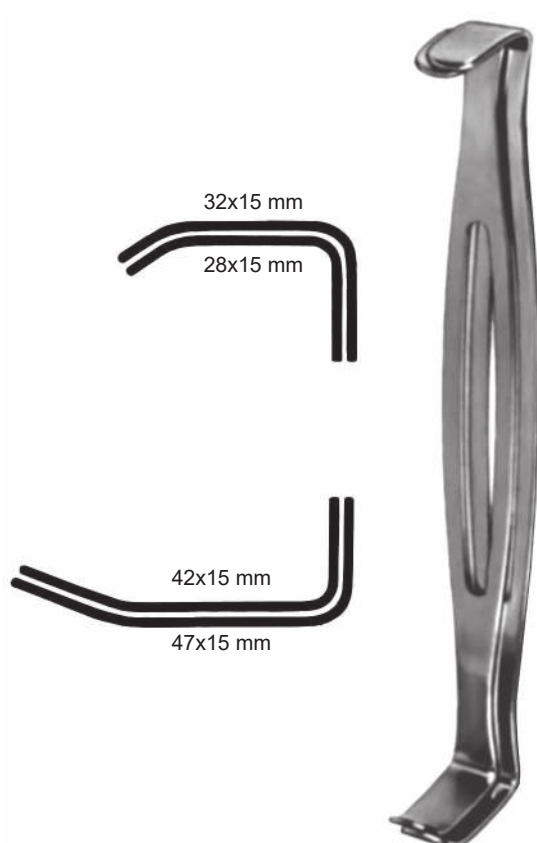
Baby-Roux
30.1205
130 mm



Mini-Roux
30.1206
140 mm



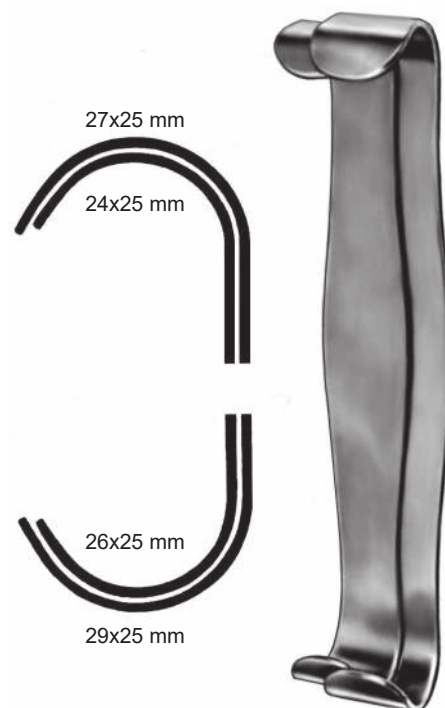
Goelet
30.1207
190 mm



Parker-Langenbeck (US-Army)

30.1208

Komplet • Set 210 mm



Parker

30.1209

Komplet • Set 180 mm



Parker

30.1210

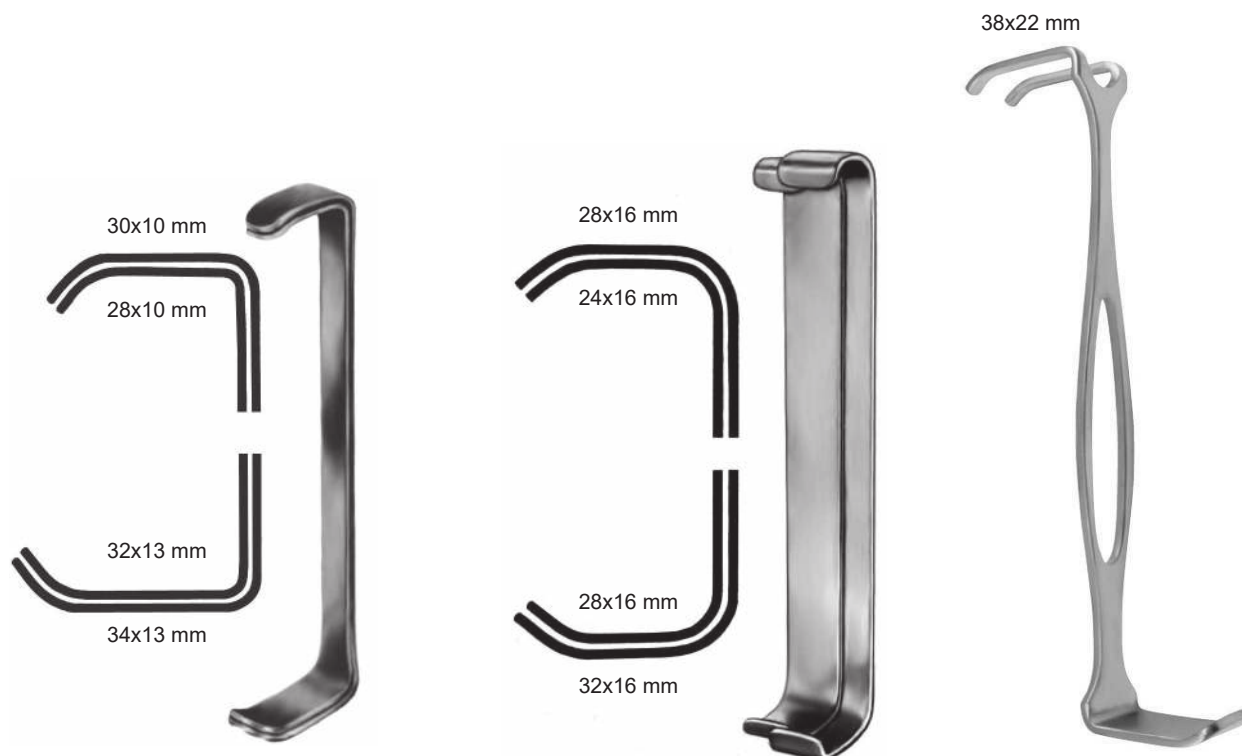
Komplet • Set 135 mm



Parker-Mott

30.1211

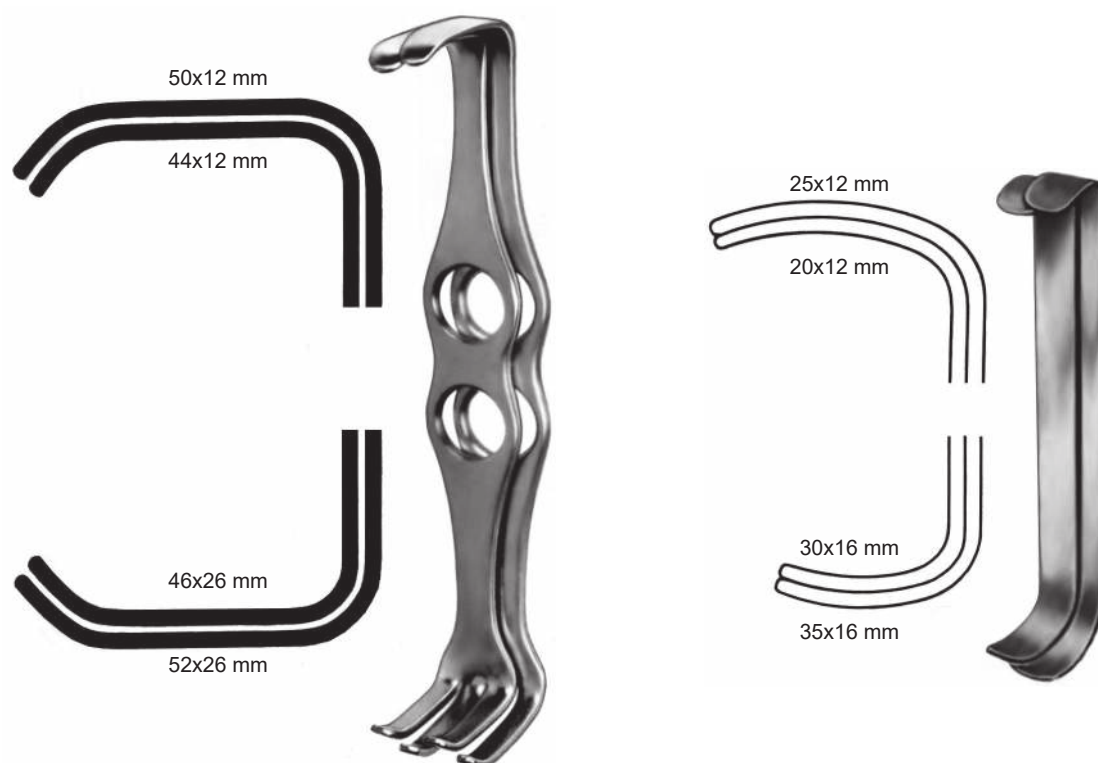
Komplet • Set 160 mm



Farabeuf 30.1212
Komplet • Set
120 mm

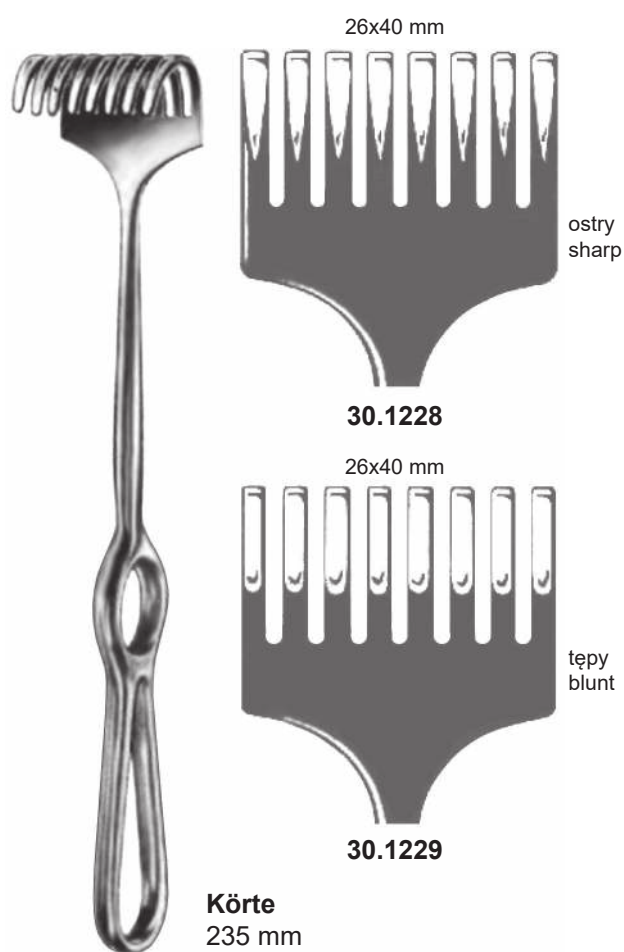
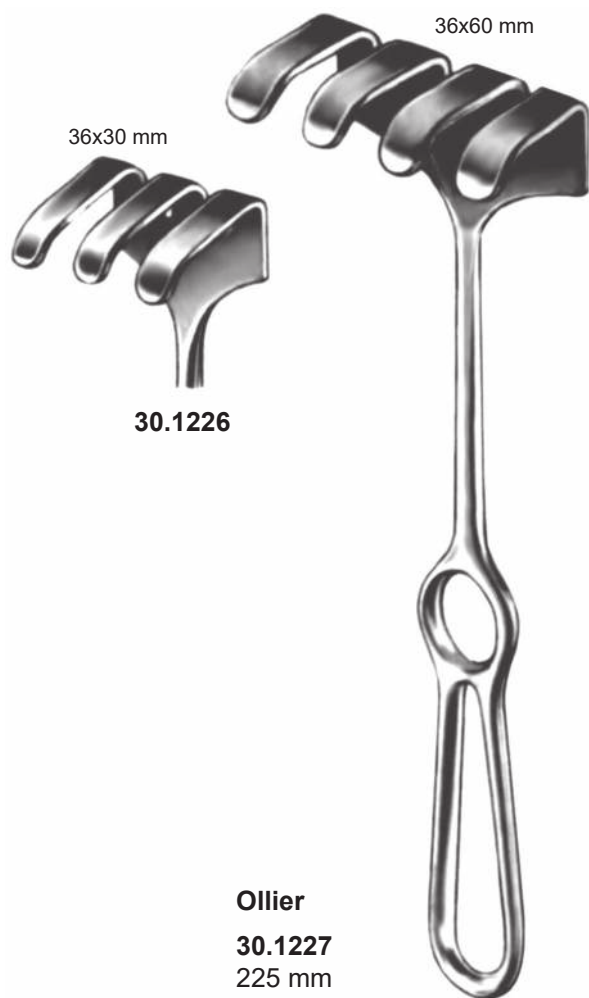
Farabeuf 30.1213
Komplet • Set
150 mm

30.1214
175 mm



Mathieu 30.1215
Komplet • Set
200 mm

Collin 30.1216
Komplet • Set
150 mm



40x40 mm



30.1234

45x50 mm



30.1235

50x60 mm



30.1236

70x70 mm



30.1237

25x40 mm



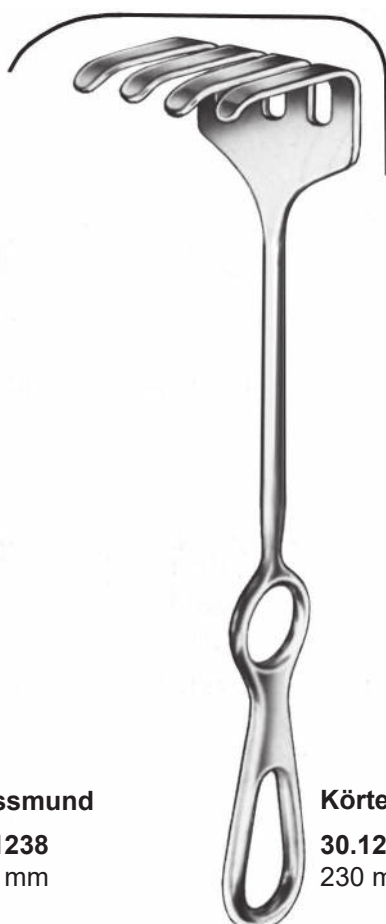
Israel
250 mm

33x20 mm



Wassmund
30.1238
205 mm

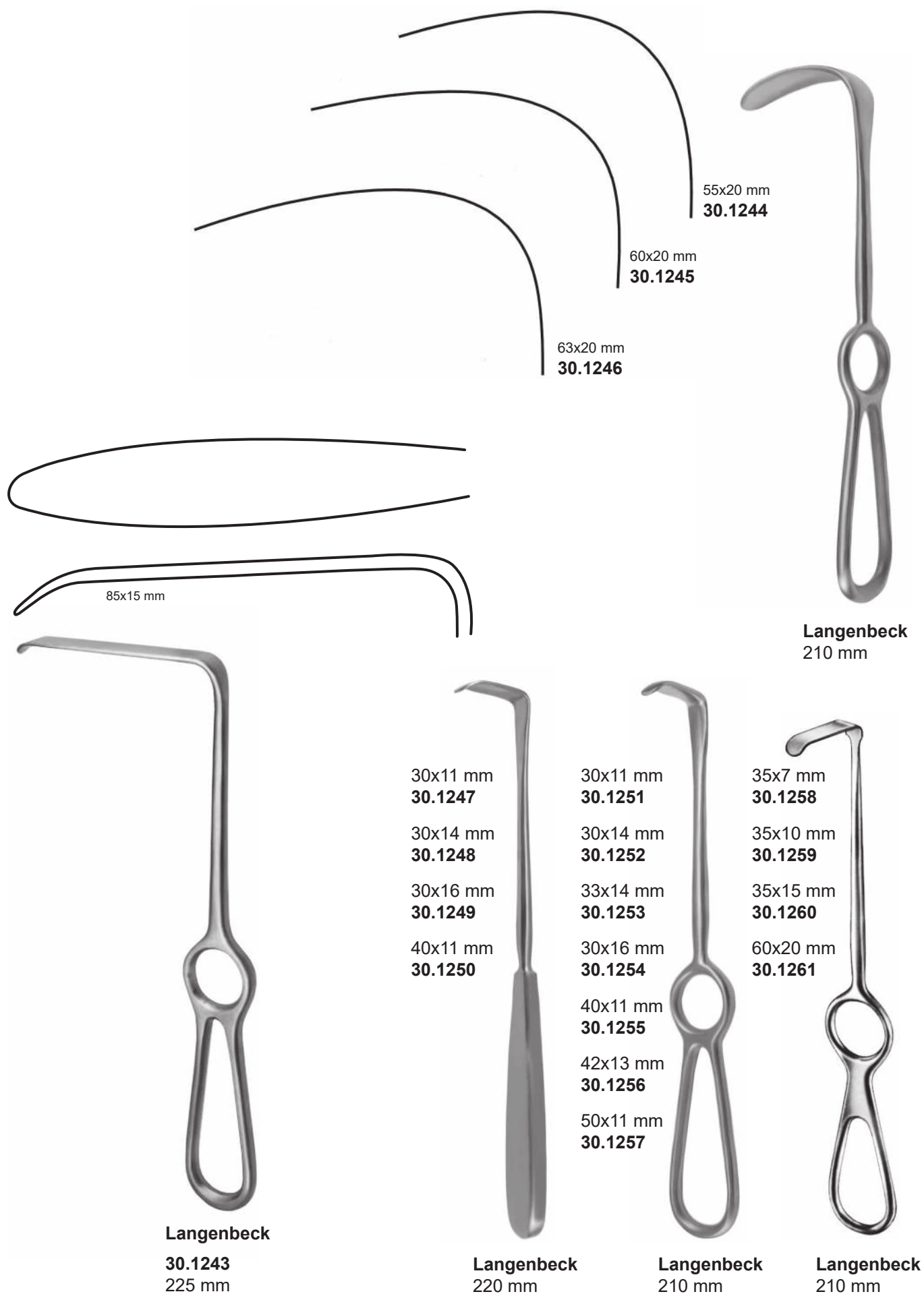
46x55 mm

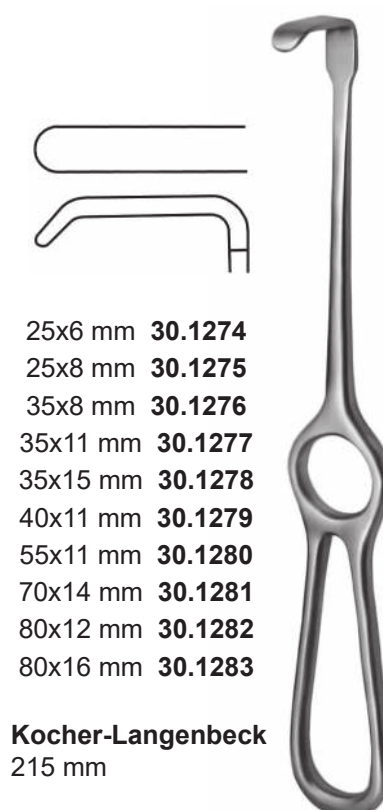
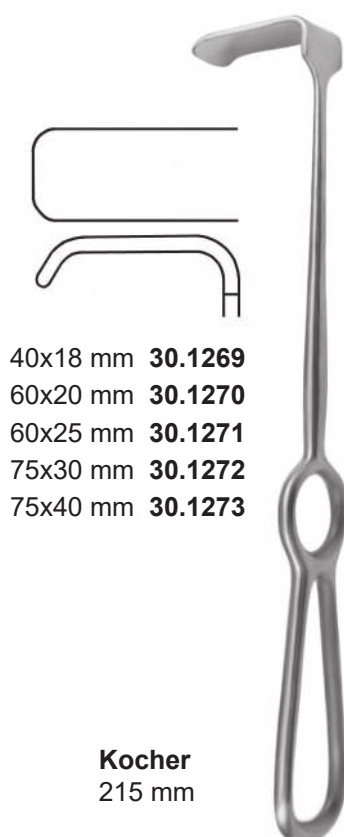
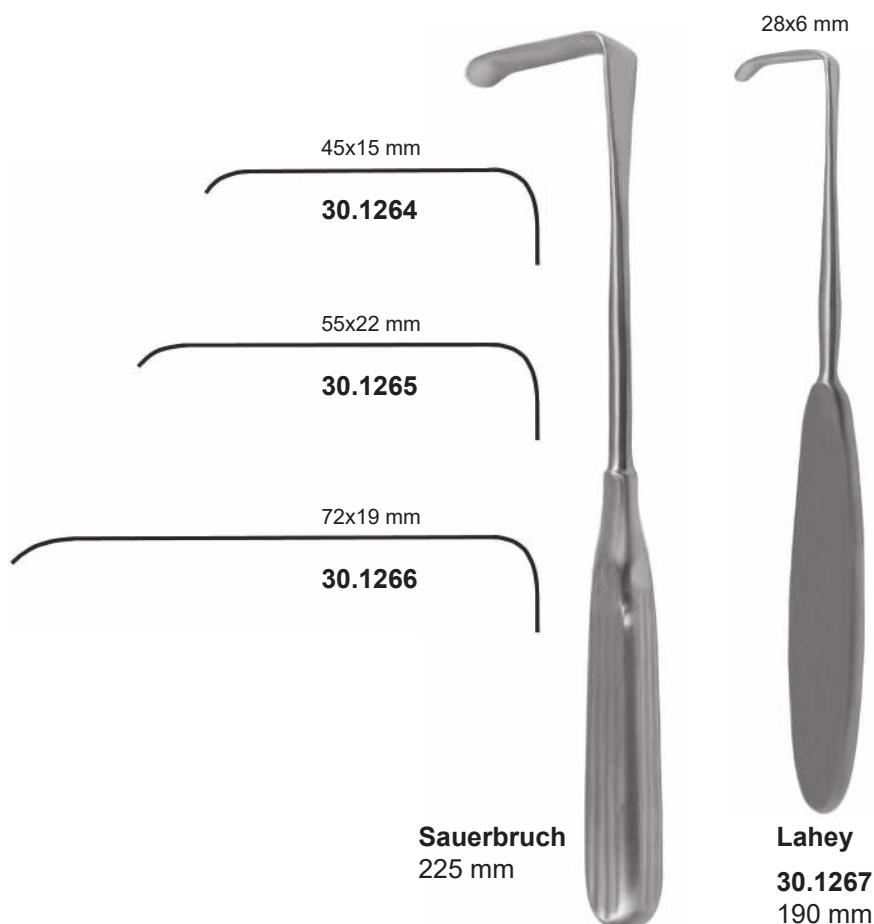
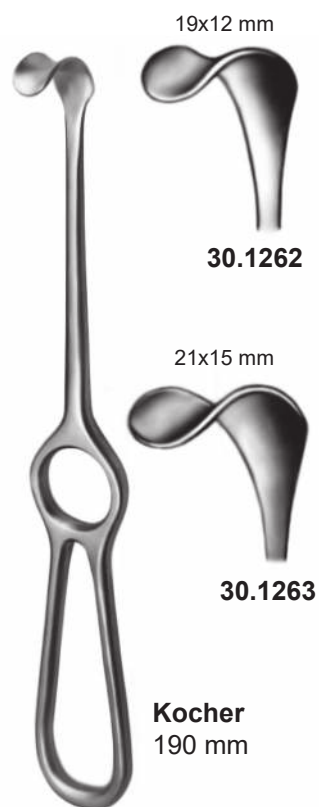


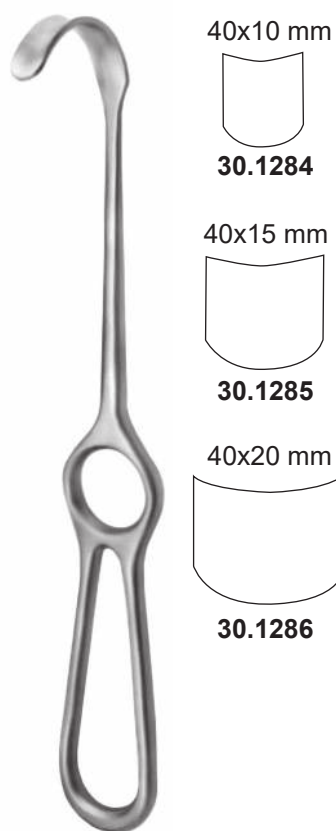
Körte
30.1239
230 mm



Körte-Wagner
30.1240
280 mm





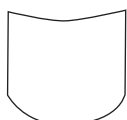


40x10 mm



30.1284

40x15 mm

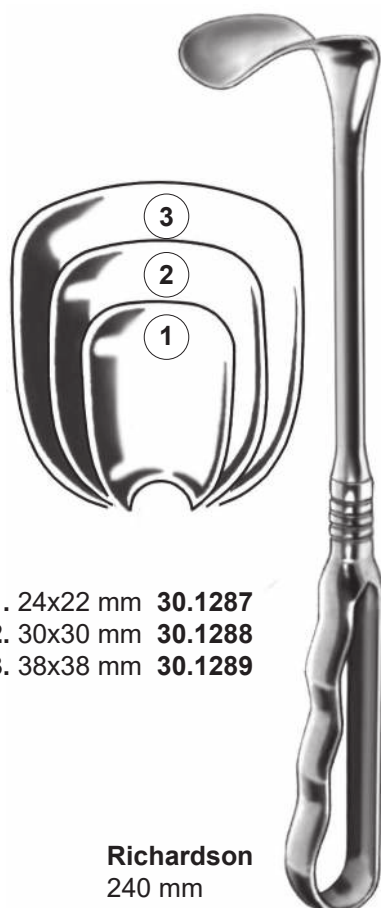


30.1285

40x20 mm



30.1286

Kocher
220 mm


3

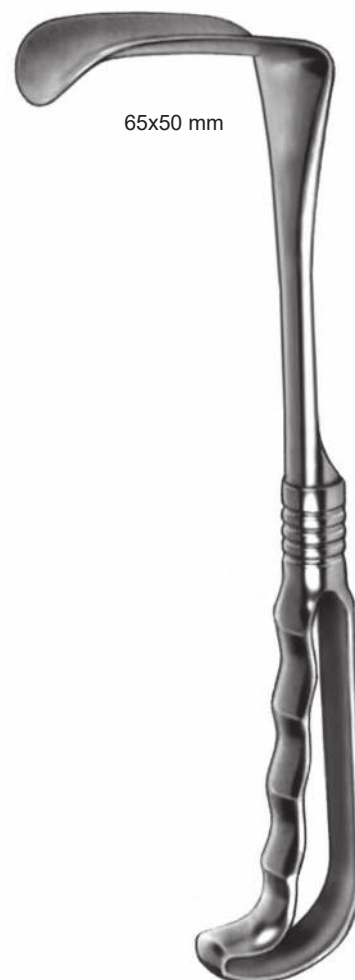
2

1

1. 24x22 mm 30.1287
2. 30x30 mm 30.1288
3. 38x38 mm 30.1289

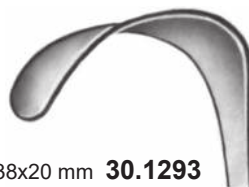
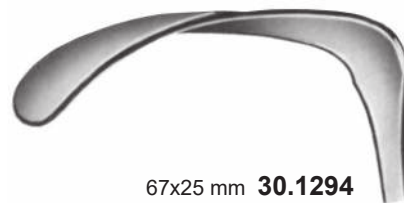
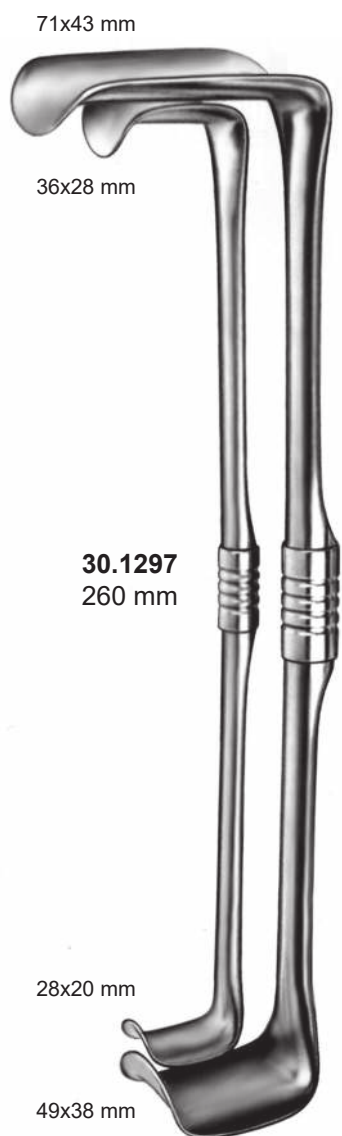
Richardson
240 mm


48x21 mm

Richardson
30.1290
240 mm


65x50 mm

Kelly
30.1291
260 mm


22x15 mm **30.1292**

38x20 mm **30.1293**

67x25 mm **30.1294**


71x43 mm

36x28 mm

30.1297
260 mm

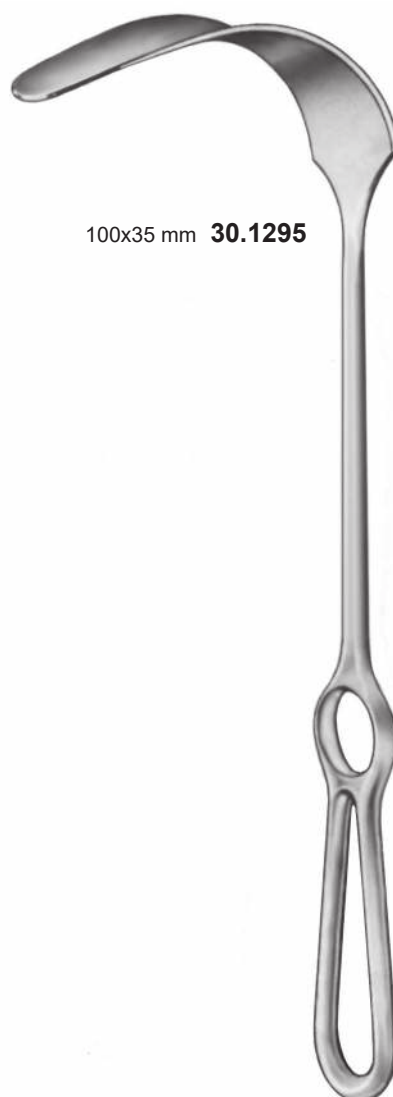
30.1298
280 mm

28x20 mm

49x38 mm

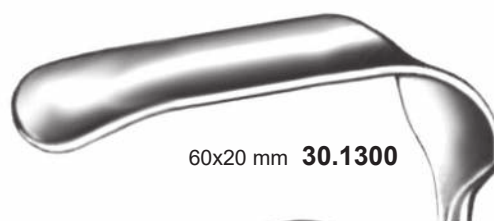
Richardson-Eastman
Komplet • Set
30.1296


67x17 mm

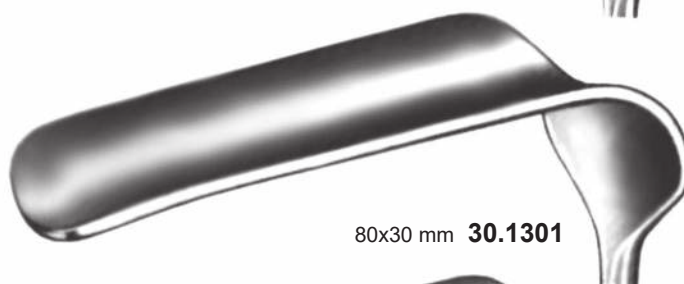
Caspar
30.1299
215 mm

100x35 mm **30.1295**
Kocher-Wagner
280 mm



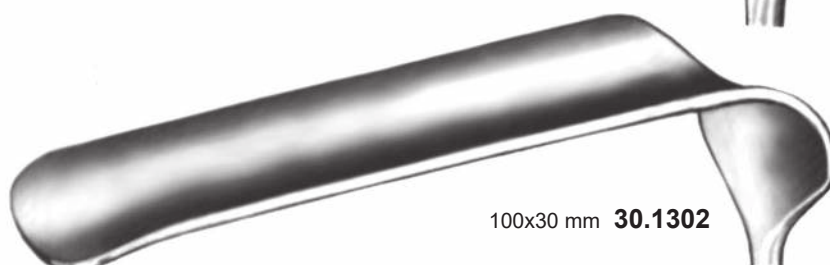
Hösel
250 mm



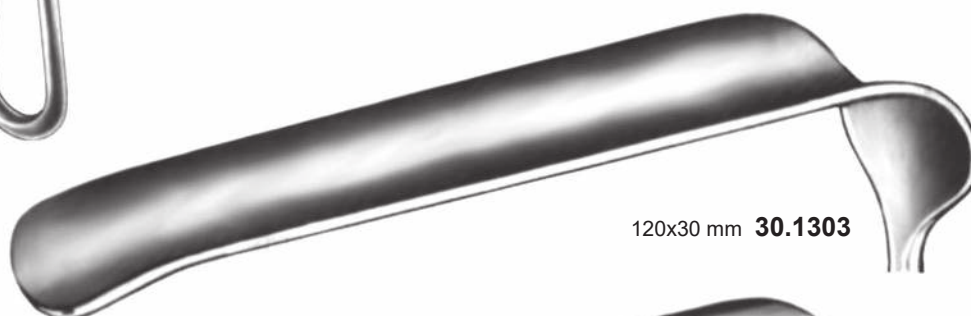
60x20 mm **30.1300**



80x30 mm **30.1301**



100x30 mm **30.1302**



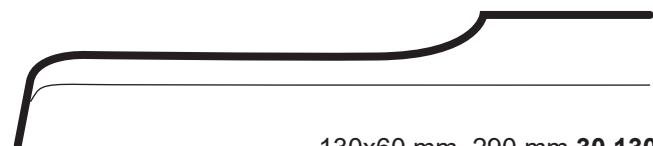
120x30 mm **30.1303**



140x30 mm **30.1304**



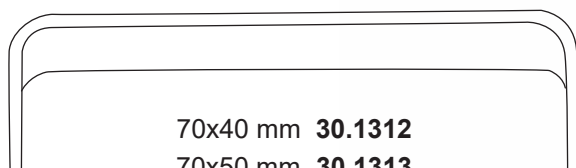
140x40 mm **30.1305**



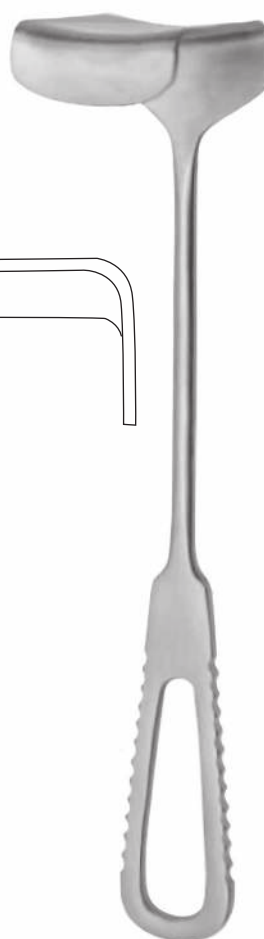
130x60 mm, 290 mm **30.1306**
180x60 mm, 325 mm **30.1307**



180x60 mm, 330 mm **30.1308**



70x40 mm **30.1312**
70x50 mm **30.1313**
70x65 mm **30.1314**



Morris
210 mm



Middeldorpf
275 mm



45x45 mm **30.1315**



45x50 mm **30.1316**



55x70 mm **30.1317**



14x17 mm
30.1321
215 mm



20x22 mm
30.1322
220 mm



26x30 mm
30.1323
235 mm

Middeldorpf

40x5 mm



Blount
30.1324
175 mm

51x19 mm



Richardson
30.1329
235 mm



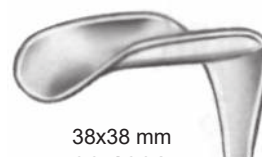
Richardson
240 mm



25x19 mm
30.1330



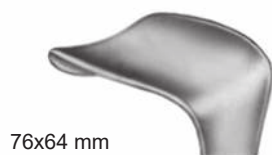
32x25 mm
30.1331



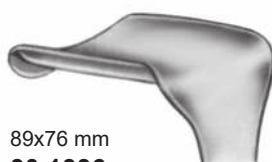
38x38 mm
30.1332



64x51 mm
30.1334



76x64 mm
30.1335

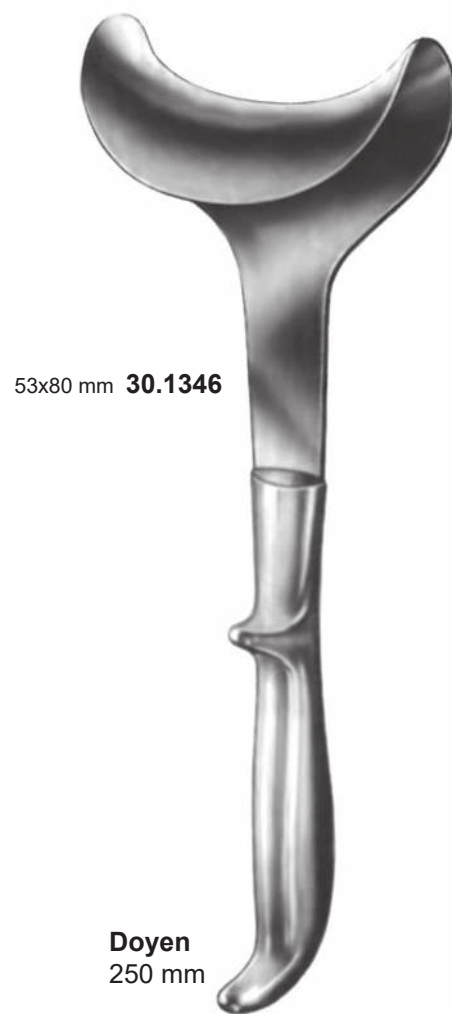
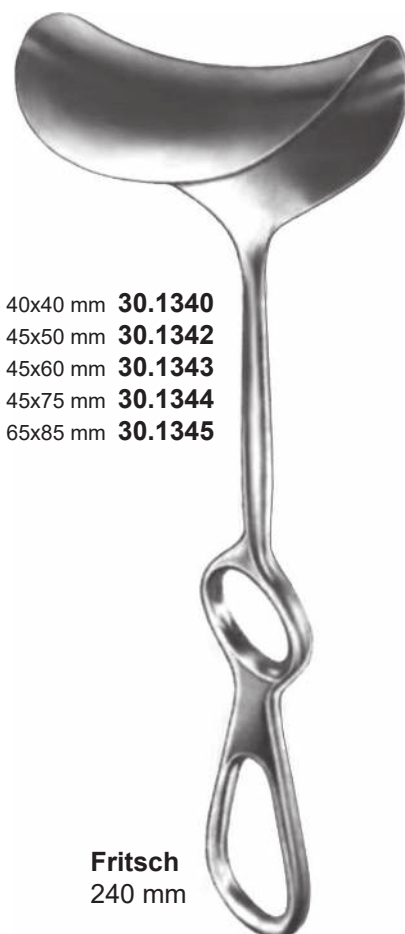
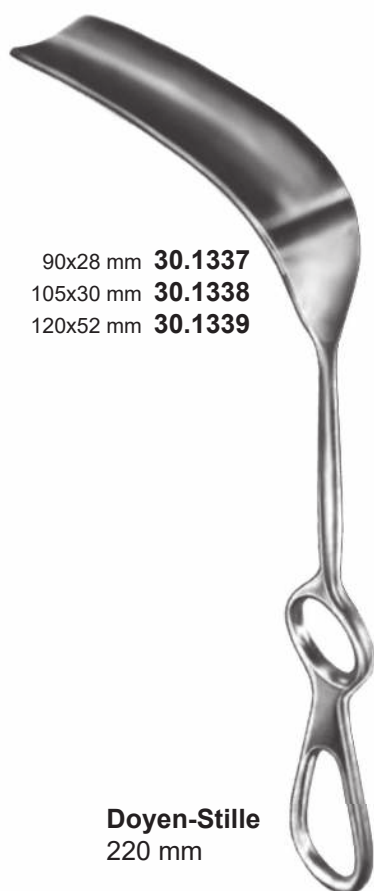


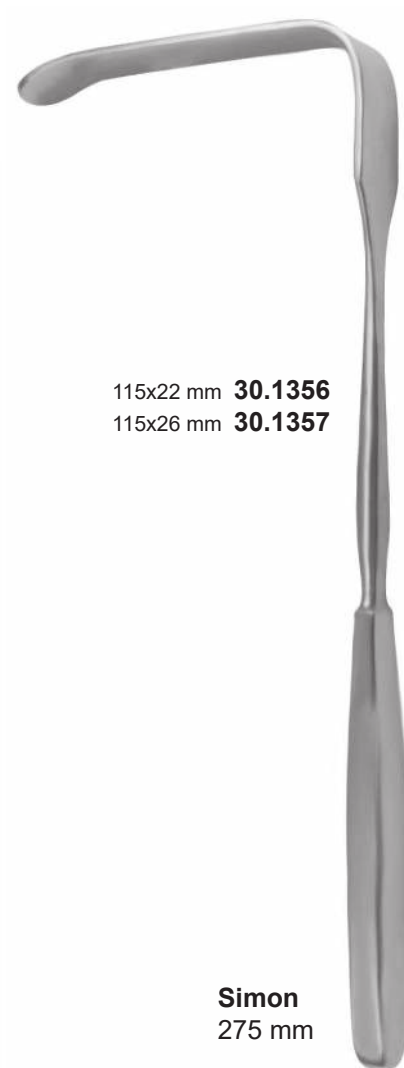
89x76 mm
30.1336



51x38 mm
30.1015

Kelly
250 mm







95x20 mm

Modell Tübingen
30.1358

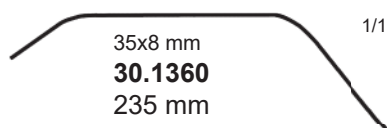
265 mm



105x27 mm

Martin
30.1359

250 mm

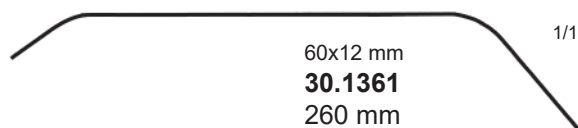


35x8 mm

30.1360

235 mm

1/1



60x12 mm

30.1361

260 mm

1/1



75x12 mm

30.1362

275 mm

1/1



120x12 mm

30.1363

290 mm

1/1


Zenker

180x30 mm **30.1364**

160x30 mm **30.1365**

140x30 mm **30.1366**

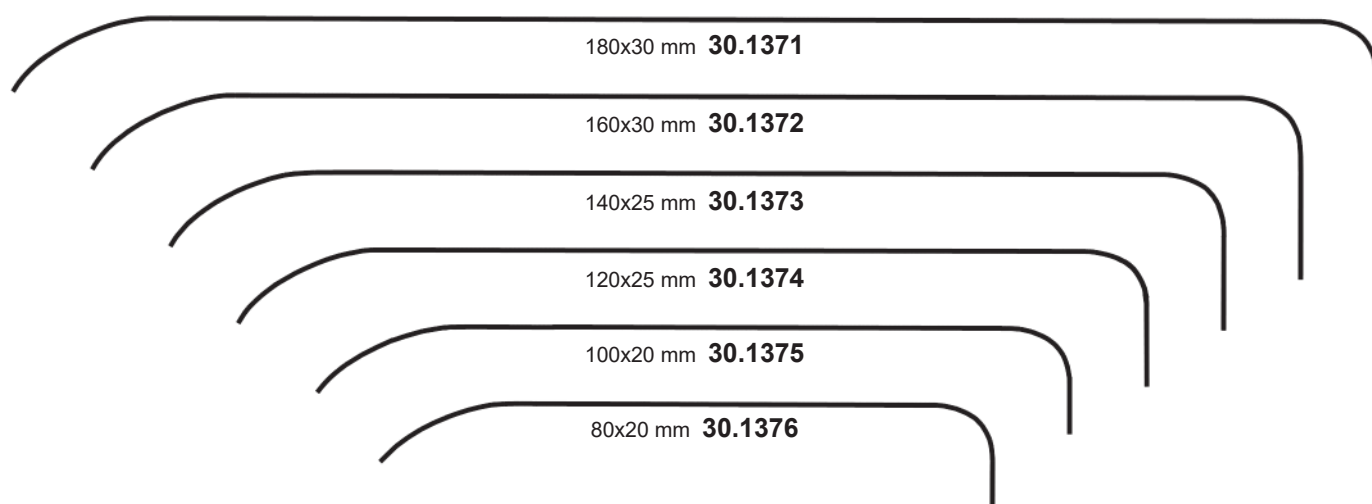
130x30 mm **30.1367**

120x25 mm **30.1368**

100x25 mm **30.1369**

80x20 mm **30.1370**

Brunner
250 mm



Brunner
250 mm



Deaver
30.1377
180 mm

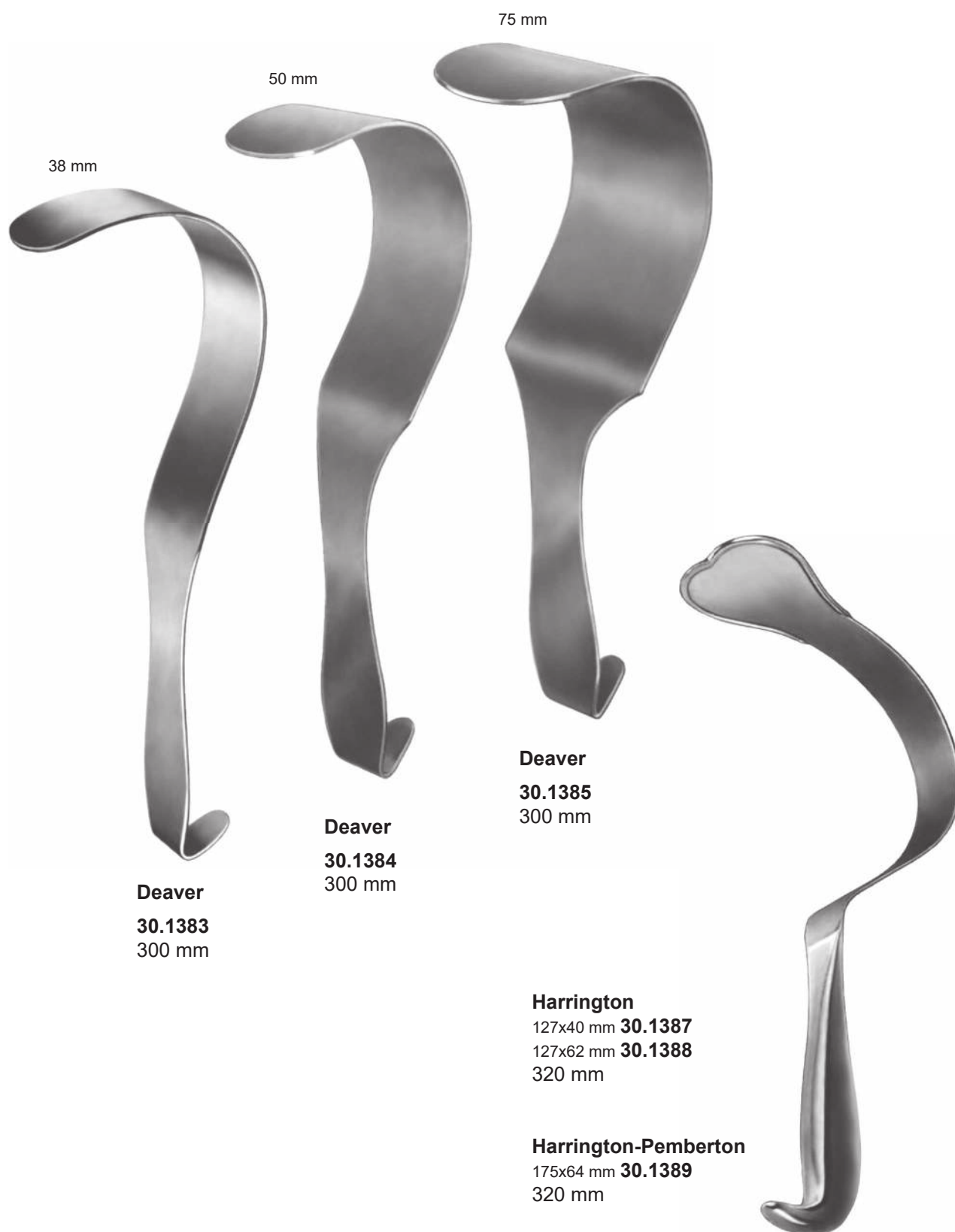
Deaver
30.1378
215 mm

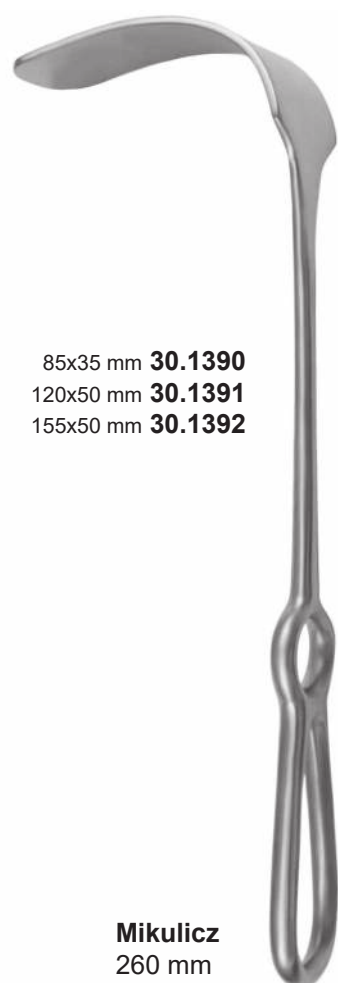
Deaver
30.1379
230 mm

Deaver
30.1380
300 mm

Deaver
30.1381
330 mm

Deaver
30.1382
360 mm





125x37 mm

1/1



1/1

115x65 mm **30.1402**



1/1

115x38 mm **30.1403**



Sauerbruch
30.1405
250 mm

Coryllos
240 mm

1/1

82x22 mm **30.1404**





75x50 mm

Davidson
30.1412
160 mm

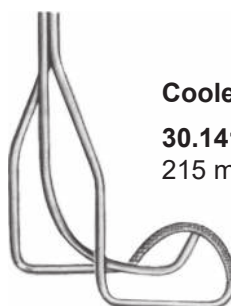


Cooley
30.1414
215 mm



75x90 mm

Davidson
30.1413
160 mm



Cooley
30.1415
215 mm

ząbkowany
serrated


Cooley
30.1416
230 mm

90x50 mm **30.1417**

75x25 mm **30.1418**

50x16 mm **30.1419**

Meyerding
225 mm

elastyczne • flexible



330 mm 30 mm **30.1533**
330 mm 40 mm **30.1534**
330 mm 50 mm **30.1535**

elastyczne • flexible



Tuffier 200 mm 17x25 mm **30.1536**

elastyczne • flexible



200 mm	6mm	30.1537	200 mm	17mm	30.1540
200 mm	9mm	30.1538	200 mm	20mm	30.1541
200 mm	12mm	30.1539	200 mm	25mm	30.1542

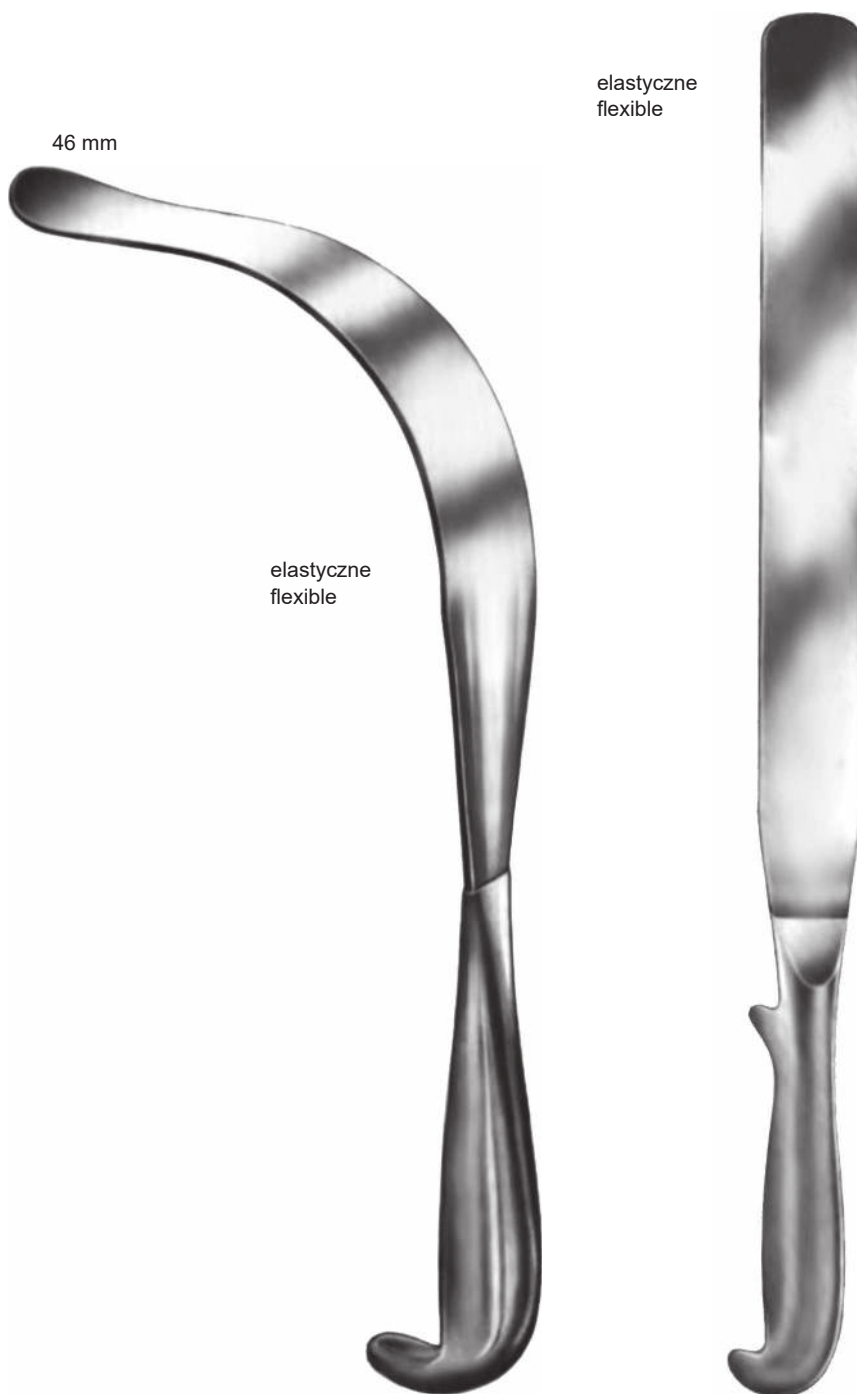
elastyczne • flexible



Haberer 280 mm 25x30 mm **30.1543**
300 mm 37x45 mm **30.1544**



Reverdin 285 mm 65x45 mm **30.1545**



Kuemmel

30.1592
330 mm

30 mm **30.1593**
40 mm **30.1438**
50 mm **30.1439**
60 mm **30.1440**
70 mm **30.1441**

410 mm



30.1442
ostry
sharp

30.1443
tępy
blunt

Finsen
50 mm



30.1445
tępy
blunt

Finsen
70 mm



30.1446
ostry
sharp

30.1447
tępy
blunt



Alm

	ostry sharp	tępy blunt
70 mm	30.1450	30.1452
100 mm	30.1451	30.1453



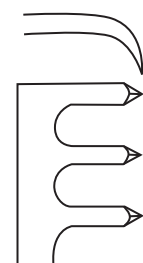
30.1454
ostry
sharp

30.1455
tępy
blunt

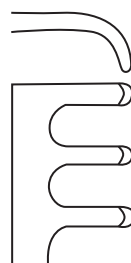
Holtzheimer
100 mm



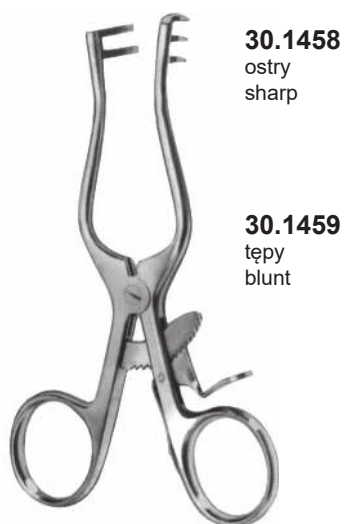
Jansen
100 mm



30.1457
ostry
sharp



30.1456
tępy
blunt



30.1458
ostry
sharp

30.1459
tępy
blunt

Weitlaner-Loktite
105 mm



	ostry sharp	tępy blunt
130 mm	30.1460	30.1461
165 mm	30.1462	30.1463
200 mm	30.1464	30.1465

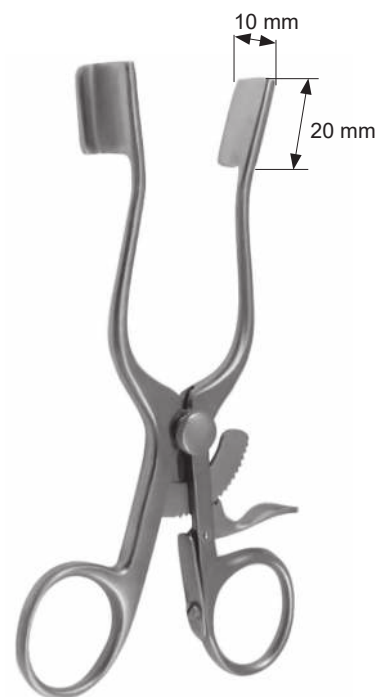
Weitlaner-Loktite



30.1466
ostry
sharp

30.1467
tępy
blunt

Weitlaner-Wullstein
130 mm



Weitlaner-Baby
30.1468
130 mm



30.1469
ostry
sharp

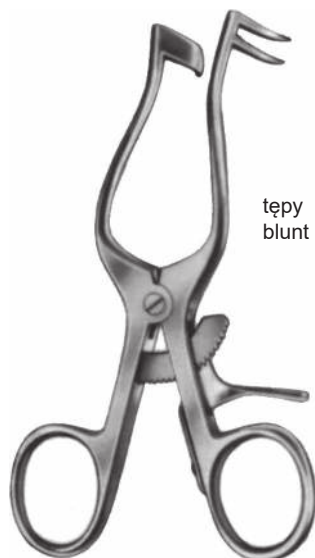
30.1470
tępy
blunt

Scalp Contour
140mm



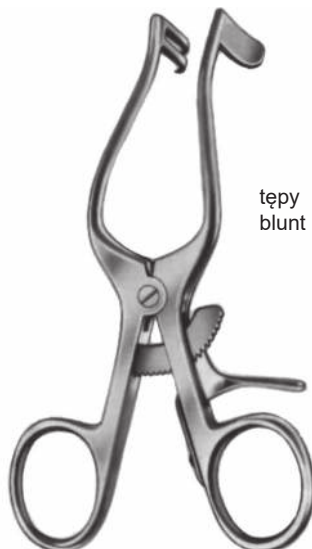
Cone

	ostry sharp	tępy blunt
130 mm	30.1471	30.1472
165 mm	30.1473	30.1474
200 mm	30.1475	30.1476
250 mm	30.1477	30.1478



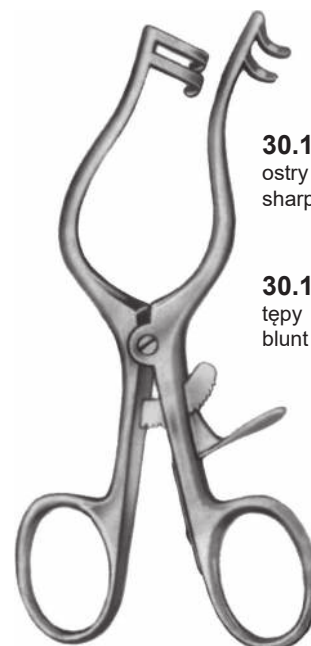
tępy
blunt

Plester
30.1479
110mm



tępy
blunt

Plester
30.1548
110mm



30.1480
ostry
sharp

30.1481
tępy
blunt

Plester
130mm



Milligan
130 mm

30.1482.000
tępy
blunt

30.1482.100
ostry
sharp



Tübinger Modell
30.1483
165 mm



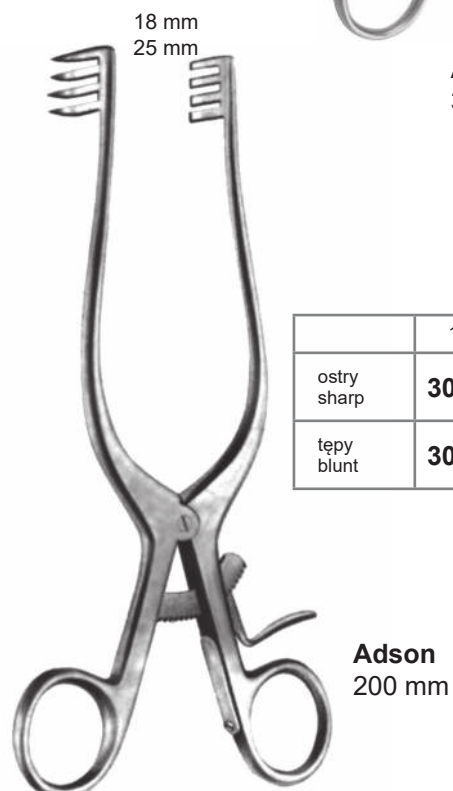
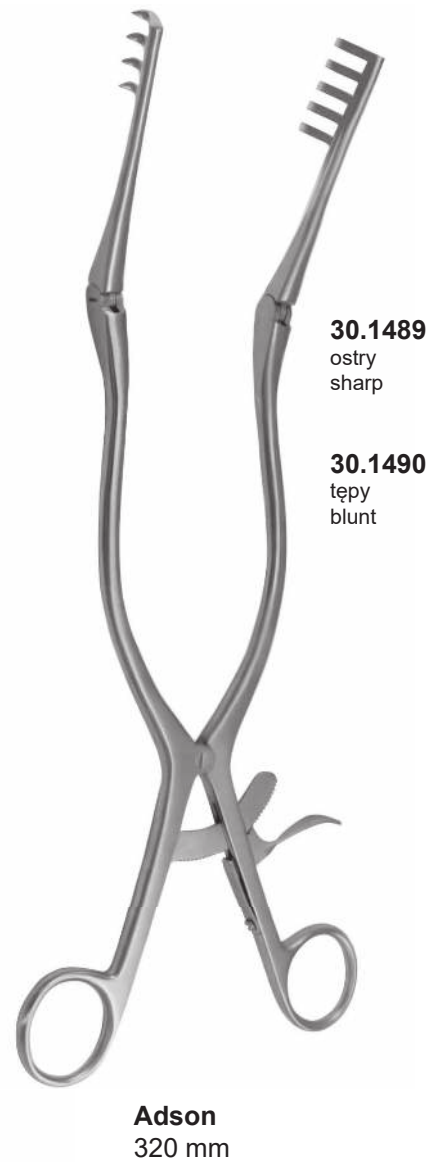
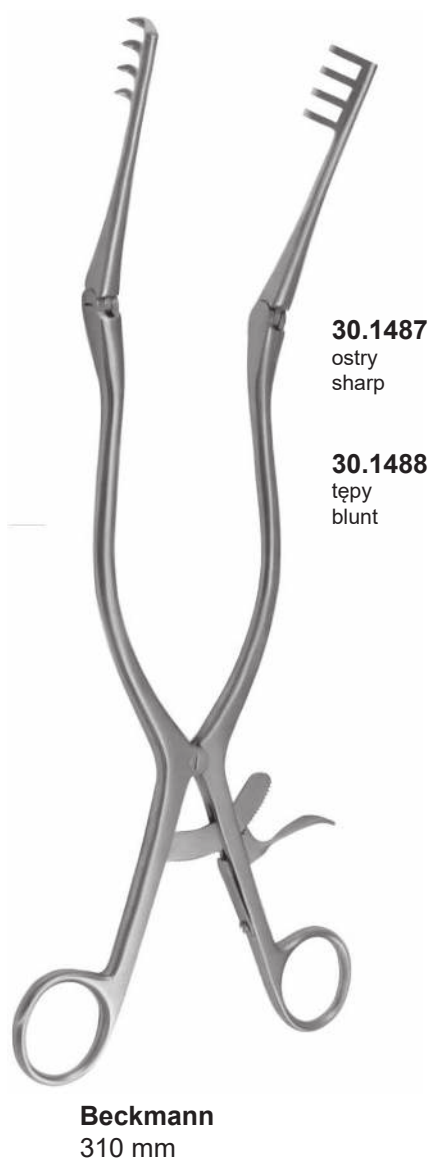
Mollison
30.1484
155 mm



Adson-Baby
160 mm

30.1485
tępy
blunt

30.1486
ostry
sharp



	18 mm	25 mm
ostry sharp	30.1491	30.1491.025
tępy blunt	30.1492	30.1492.025

25 mm
35 mm



Adson
265 mm

	25 mm	35 mm
ostry sharp	30.1493	30.1493.035
tępy blunt	30.1494	30.1494.035

ramię lewe 35 mm, prawe 18 mm
left arm 35 mm, right arm 18 mm

30.1495.100

ramię lewe 18 mm, prawe 35 mm
left arm 18 mm, right arm 35 mm

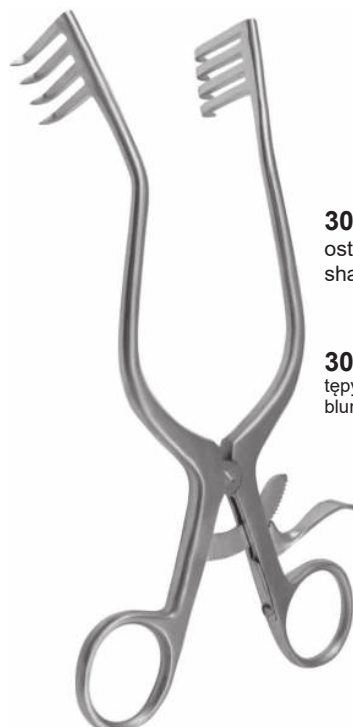
30.1495.200

	35 mm
ostry sharp	30.1495
tępy blunt	30.1496

35 mm



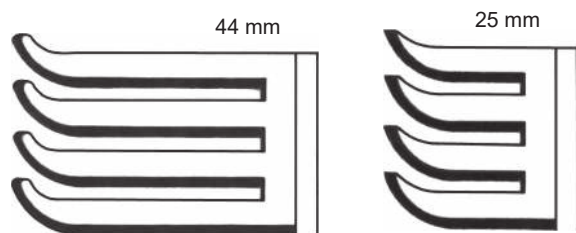
Adson
265 mm



Anderson-Adson
195 mm

30.1497.000
ostry
sharp

30.1497.100
tępy
blunt



30.1499
ostry
sharp

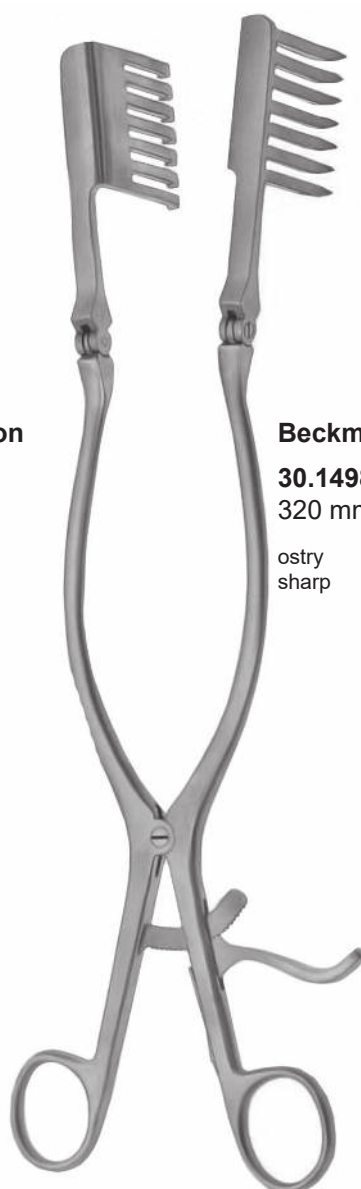
30.1500
tępy
blunt

30.1501
ostry
sharp

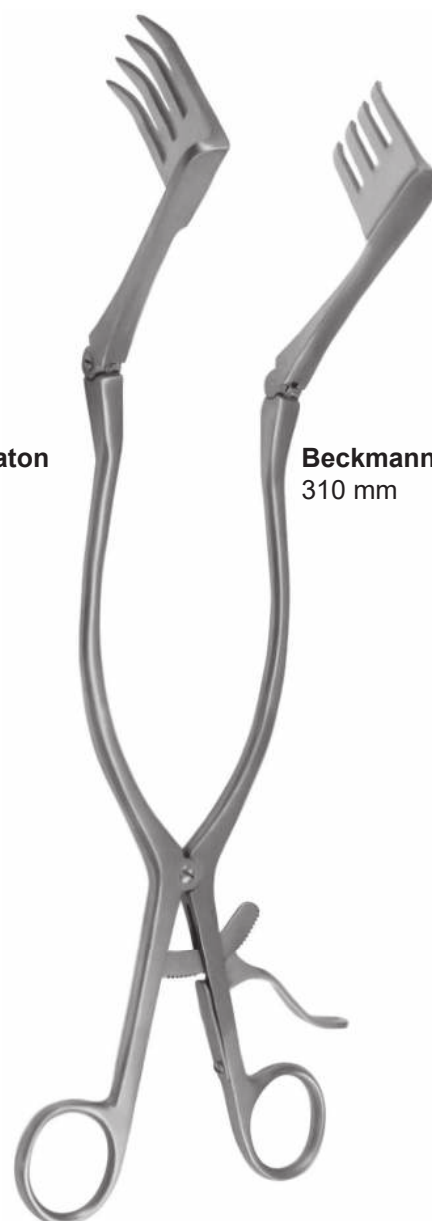
30.1502
tępy
blunt



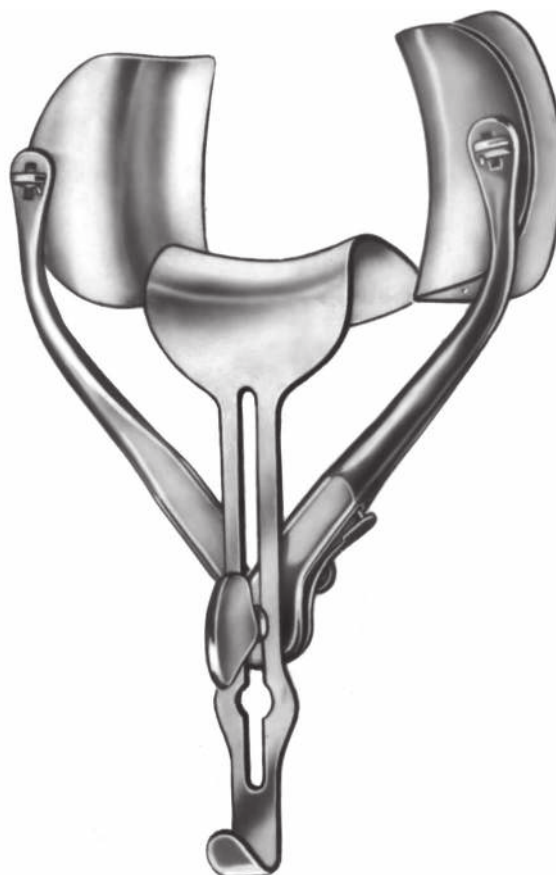
Harvey-Jackson
40.6792
280 mm
ostry
sharp



Beckmann-Eaton
30.1498
320 mm
ostry
sharp



Beckmann-Adson
310 mm



Ricard	Rozchylenie Spread	Łyżki boczne Lateral blades	Łyżka środkowa Center blade
30.1503	280 mm	72x85 mm	80x90 mm
30.1504	300 mm	60x80 mm	55x70 mm



Holzbach	Łyżki boczne Lateral blades	Łyżka środkowa Center blade
30.1507	62x80 mm	80x80 mm

Łyżki wymienne
Exchangeable blades



18x40 mm - **30.1511**
27x40 mm - **30.1512**
38x60 mm - **30.1513**
40x80 mm - **30.1514**
45x80 mm - **30.1515**
60x80 mm - **30.1516**



Collin-Ioktite

260 mm

Rozchylenie Spread	Łyżki boczne Lateral blades	Łyżka środkowa Center blade
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30.1509	100 mm	38x60 mm	38x55 mm
30.1510	100 mm	38x80 mm	50x75 mm



Collin-Ioktite

260 mm

Rozchylenie Spread	Łyżki boczne Lateral blades	Łyżka środkowa Center blade
-----------------------	--------------------------------	--------------------------------

30.1508	160 mm	60x80 mm	60x75 mm
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Komplet z 2 parami łyżek
Set with 2 pairs of blades

Baby-Collin Rozchylenie Łyżki boczne
200 mm Spread Lateral blades

30.1517 80 mm 27x40 mm
18x40 mm

Collin Rozchylenie Łyżki boczne
240 mm Spread Lateral blades

30.1518 100 mm 38x60 mm




DeBakey

30.1519 100 mm
30.1520 145 mm


Gelpi-Loktite

30.1521 90 mm
30.1522 115 mm


Gelpi-Loktite

30.1523 140 mm
30.1524 180 mm


Gelpi-Loktite

30.1525
180 mm


Rigby
30.1526
180 mm

Rozchylenie
Spread

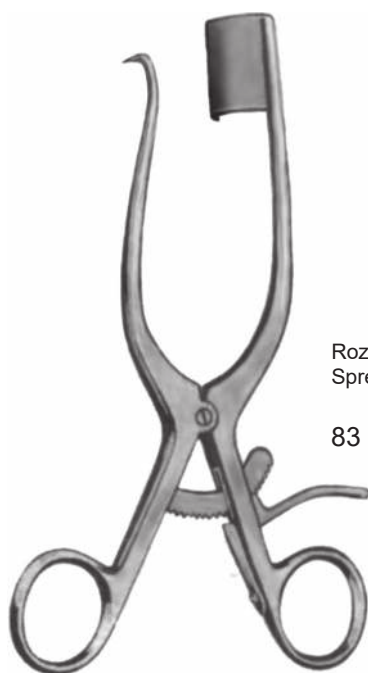
100 mm

Łyżki boczne
Lateral blades

70x16 mm


Łyżki boczne
Lateral blades

30.1527 25x30 mm
30.1528 25x55 mm
30.1529 25x60 mm
30.1530 20x60 mm

Meyerding
190 mm

Rozchylenie
Spread

83 mm

Łyżka prawa
Right blade

45x25 mm

Markham-Meyerding
30.1531
180 mm

Rozchylenie
Spread

83 mm

Łyżka lewa
Left blade

45x25 mm

Markham-Meyerding
30.1532
180 mm



Gosset	Rozchylenie Spread	Łyżki boczne Lateral blades
30.1550	100 mm	30x40 mm



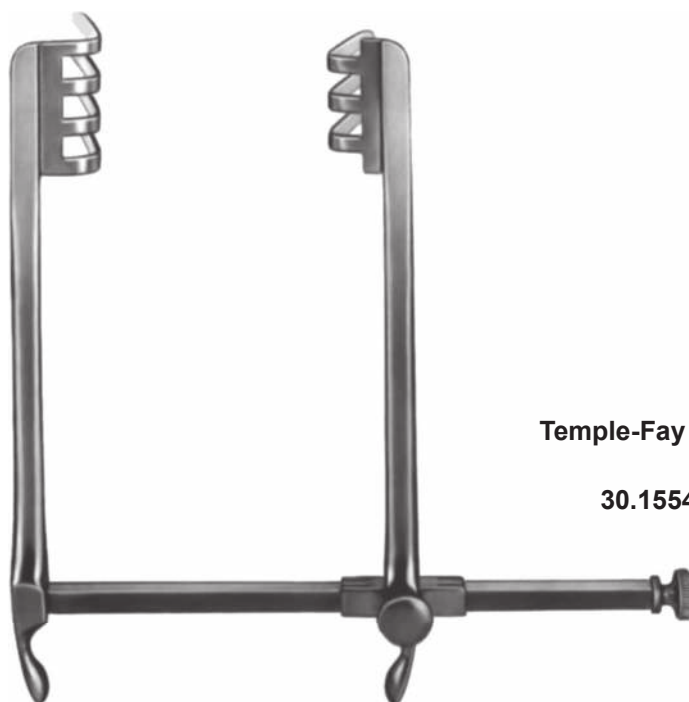
Gosset	Rozchylenie Spread	Łyżki boczne Lateral blades
30.1551	100 mm	30x40 mm



Gosset	Rozchylenie Spread	Łyżki boczne Lateral blades	Łyżka środkowa Center blade
30.1552	160 mm	35x63 mm	56x60 mm

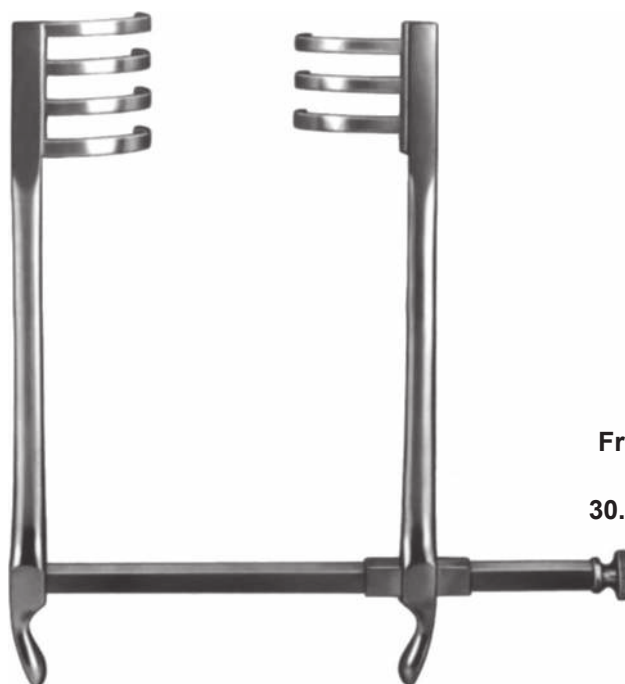


Gosset	Rozchylenie Spread	Łyżki boczne Lateral blades
30.1553	140 mm	35x63 mm



Temple-Fay Rozchylenie
Spread

30.1554 120 mm



Frazier Rozchylenie
Spread

30.1555 85 mm



Balfour-Baby

Rozchylenie Spread	Łyżki boczne Lateral blades	Łyżka środkowa Center blade
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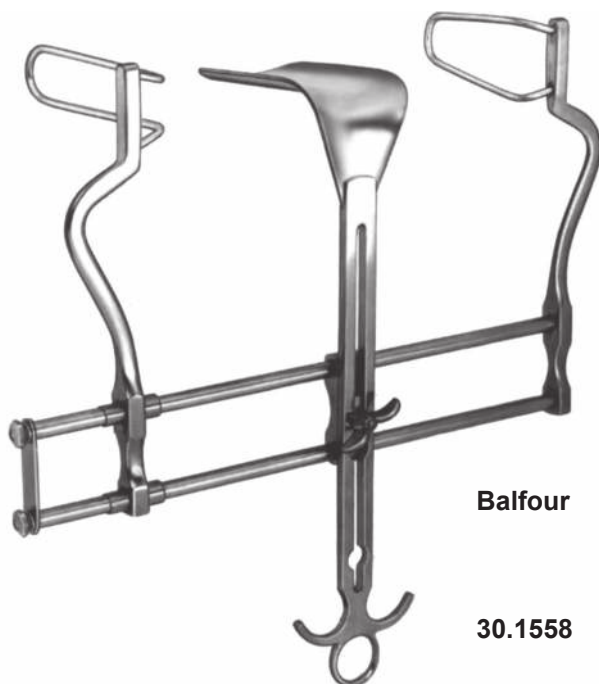
30.1556	90 mm	26x38 mm	25x23 mm
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Balfour

Rozchylenie Spread	Łyżki boczne Lateral blades	Łyżka środkowa Center blade
-----------------------	--------------------------------	--------------------------------

30.1557	180 mm	35x70 mm	45x80 mm
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Balfour

Rozchylenie Spread	Łyżki boczne Lateral blades	Łyżka środkowa Center blade
-----------------------	--------------------------------	--------------------------------

30.1558	200 mm	35x100 mm	60x100 mm
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Balfour

Rozchylenie
Spread

Łyżki boczne
Lateral blades

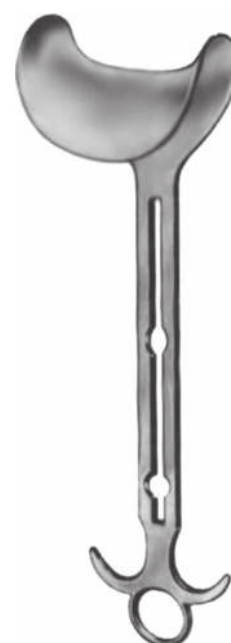
Łyżka środkowa
Center blade

30.1559

250 mm

35x100 mm

70x85 mm


Balfour

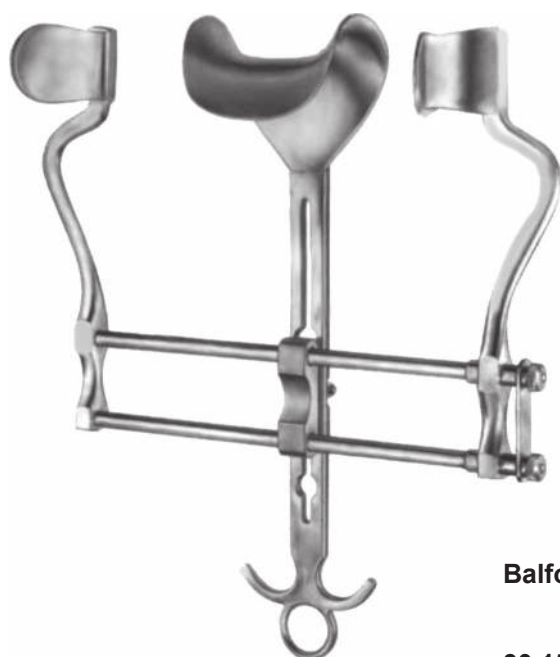
Łyżka środkowa
Center blade

30.1561

45x80 mm

30.1562

70x85 mm


Balfour

Rozchylenie
Spread

Łyżki boczne
Lateral blades

Łyżka środkowa
Center blade

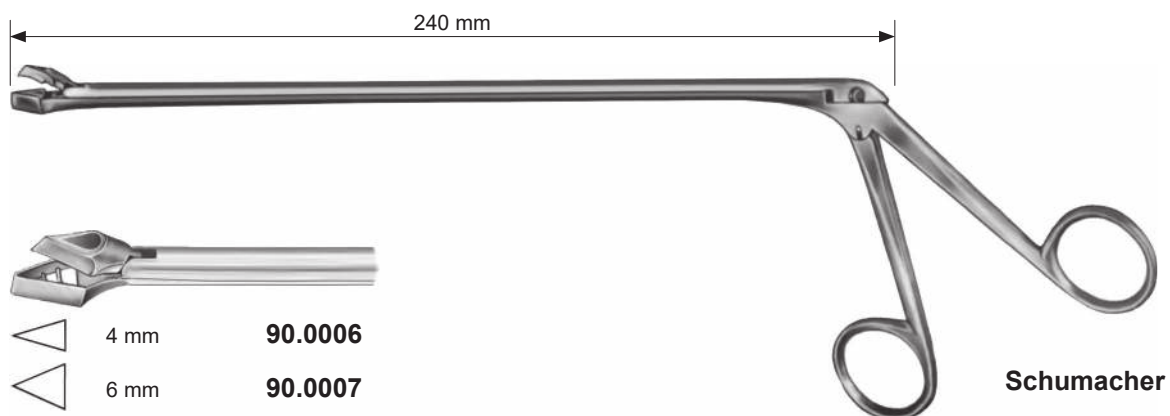
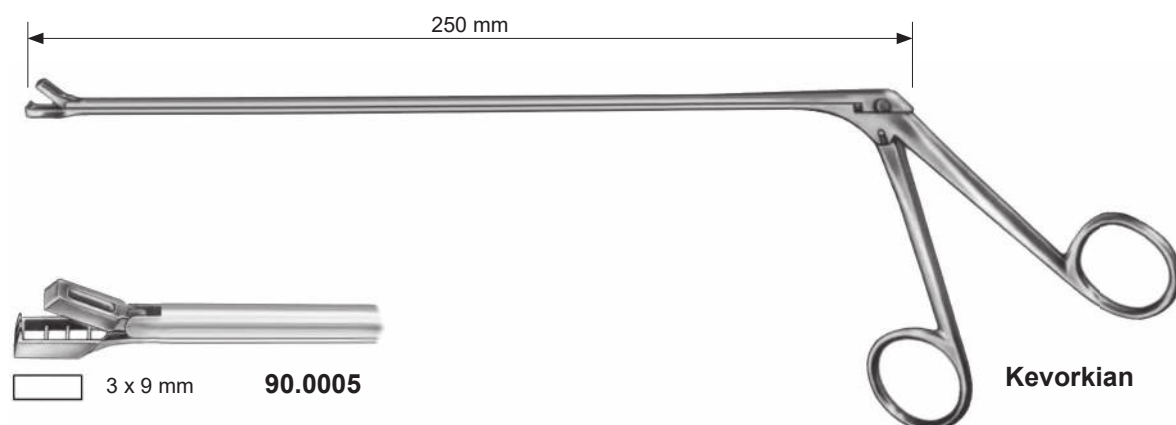
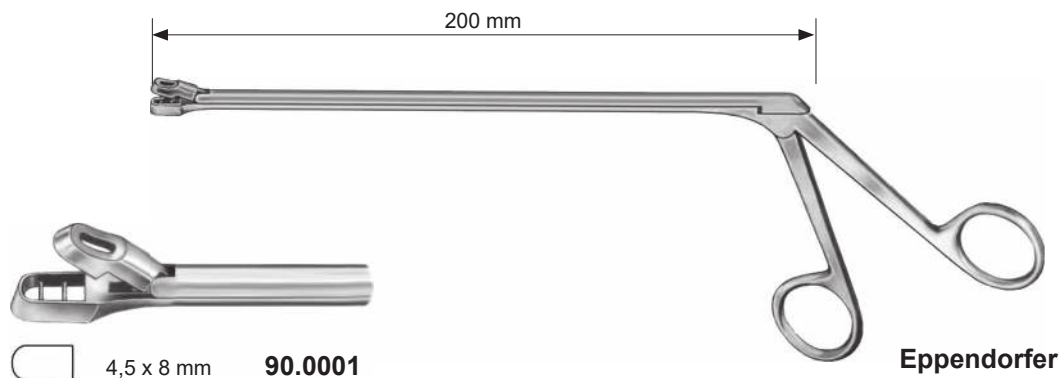
30.1560

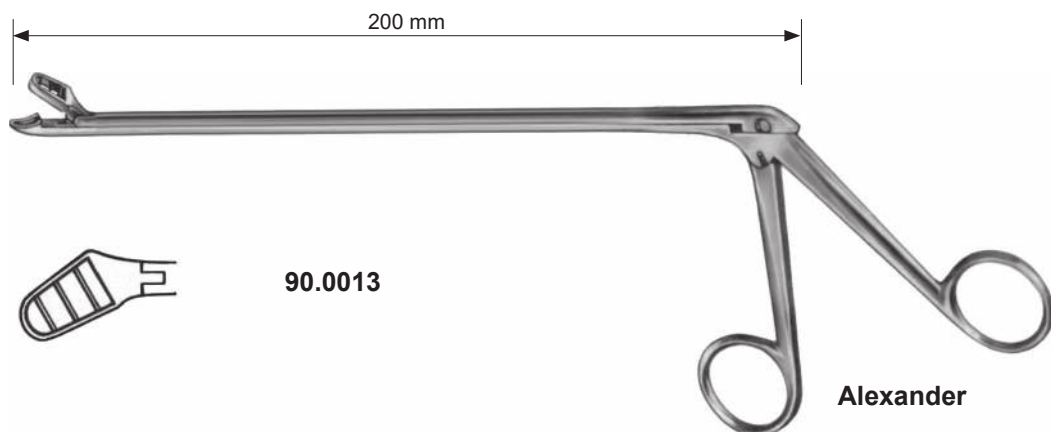
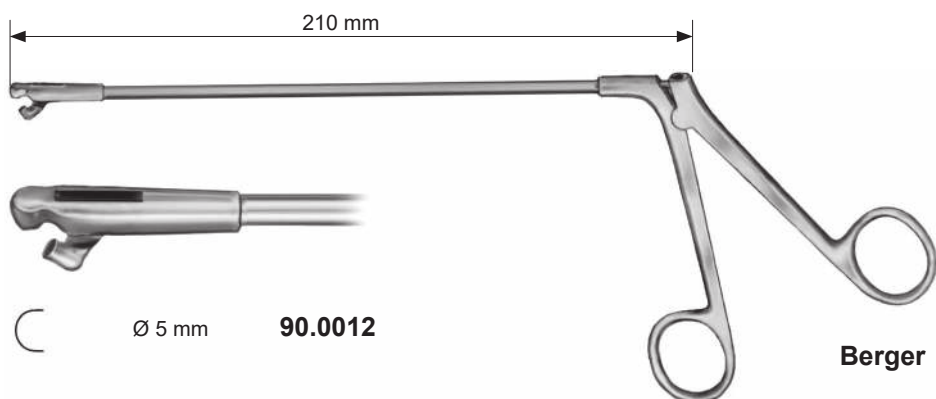
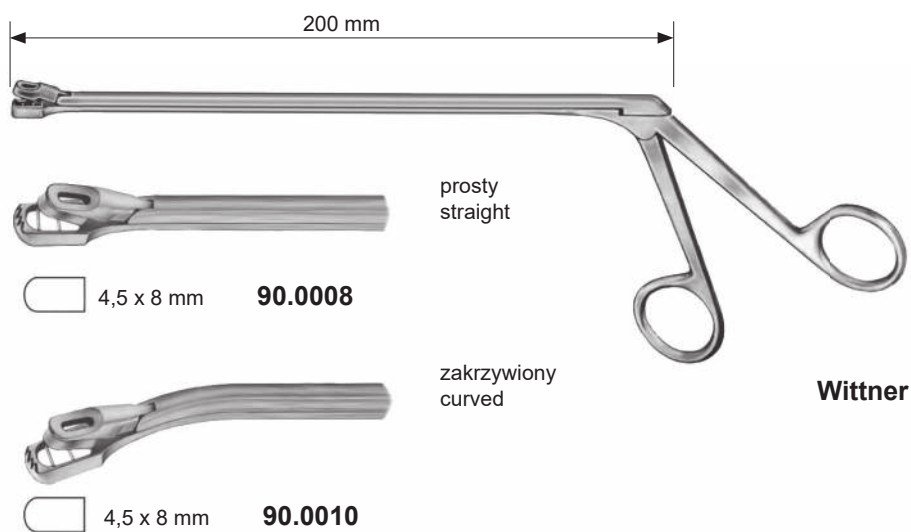
180 mm

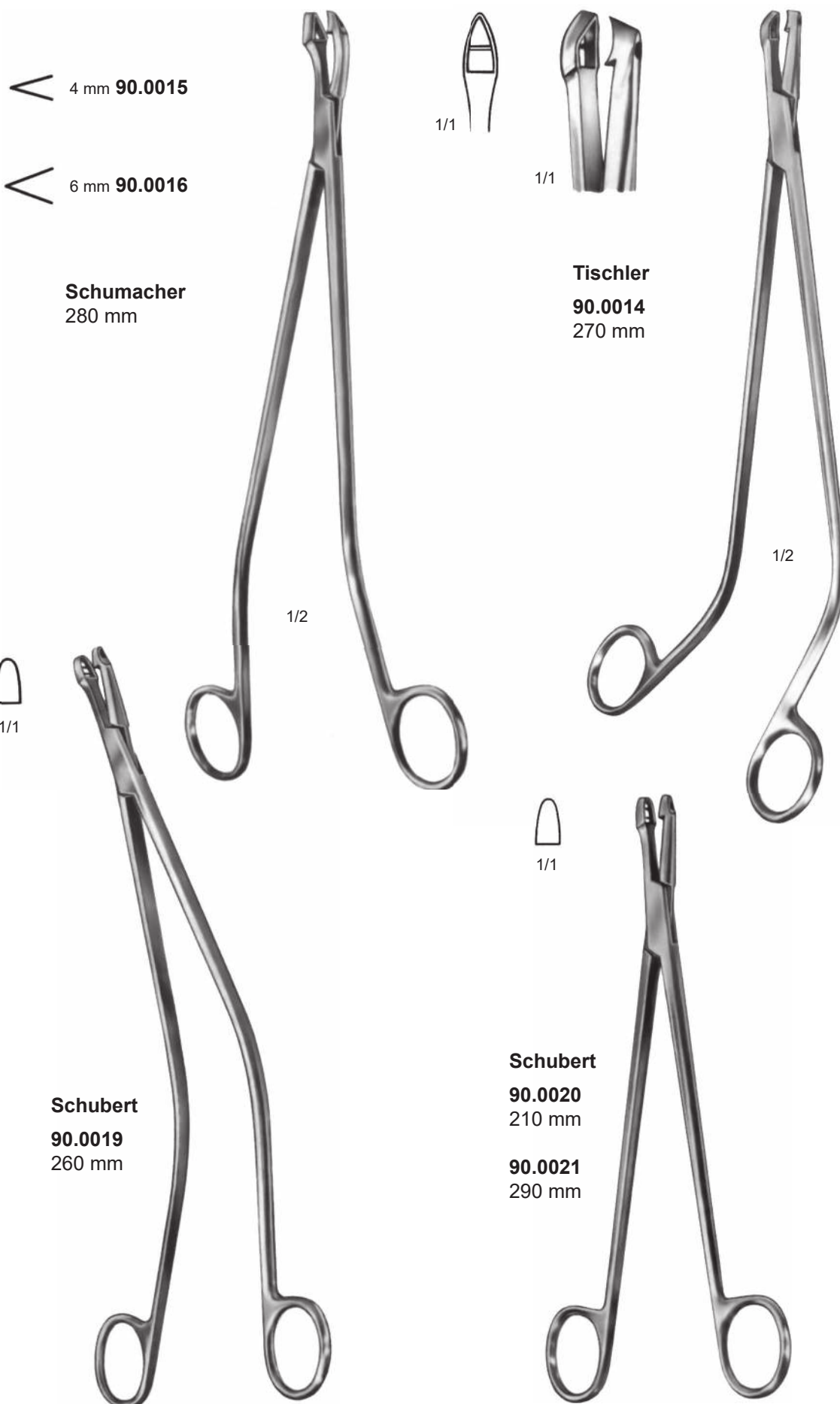
35x70 mm

45x80 mm











1/1



1/1

Van Doren

90.0022
240 mm



1/1



1/1

90.0023



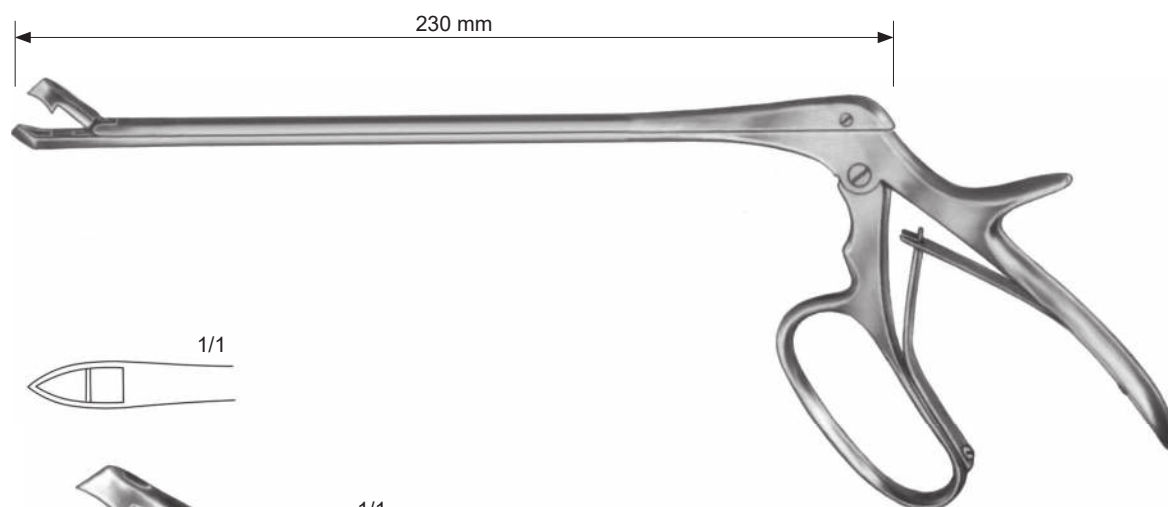
Faure
230 mm
90.0026



Thoms-Gaylor
240 mm
90.0027



Gellhorn
230 mm
90.0028



1/1



1/1

Tischler
90.0030



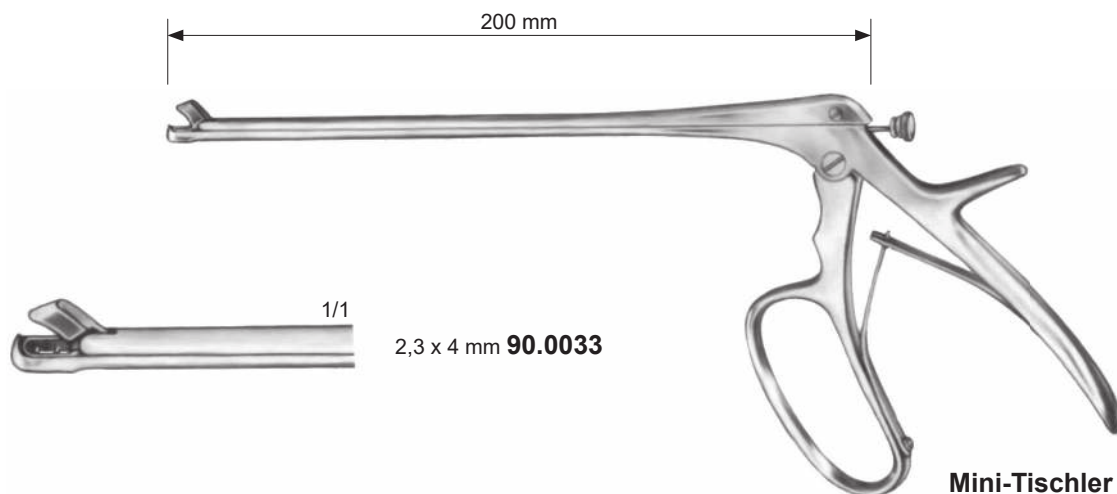
1/1

Tischler-Kevorkian
90.0031



1/1

Tischler-Morgan
90.0032



1/1

2,3 x 4 mm 90.0033

Mini-Tischler

Kristeller

wziernik • specula

90.0100 70x27 mm

90.0101 80x30 mm

90.0102 90x36 mm

hak • retractor

90.0103 75x23 mm

90.0104 85x26 mm

90.0105 100x32 mm

komplet • set

90.0106 Fig. 1

90.0107 Fig. 2

90.0108 Fig. 3

krótki model
short model

Kristeller

wziernik • specula

90.0109 105x18 mm

90.0110 105x21 mm

hak • retractor

90.0111 110x14 mm

90.0112 110x17 mm

komplet • set

90.0113 Fig. 00

90.0114 Fig. 0

stożkowy kształt łyżki i haka
with conically shaped blades

Kristeller

wziernik • specula

90.0117.001 105x26 mm

90.0118.001 105x28 mm

90.0119.001 105x33 mm

hak • retractor

90.0117.002 115x22 mm

90.0118.002 115x24 mm

90.0119.002 115x29 mm

komplet • set

90.0117.000 Fig. 1

90.0118.000 Fig. 2

90.0119.000 Fig. 3

długi model
long model

Kristeller

komplet • set

90.0122 70x15 mm

dla dzieci
for children

Kallmorgen

komplet • set

90.0123 70x40 mm

90.0124 90x40 mm

wziernik • specula

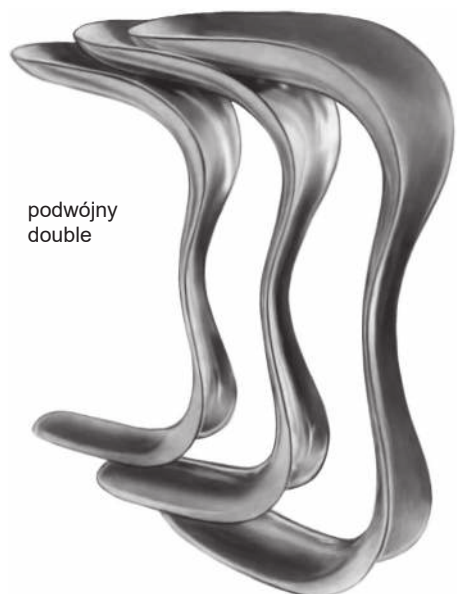
90.0125 70x40 mm

90.0126 90x40 mm

hak • retractor

90.0127 70x33 mm

90.0128 90x33 mm



podwójny
double

Sims

90.0129 25x30 mm

90.0130 30x35 mm

90.0131 35x40 mm



Simm

90.0132 95x14/18 mm

90.0133 100x20/25 mm

90.0134 105x27/35 mm



Doyen 70x30 mm

90.0135

240 mm



Breisky

290 mm

90.0136 100x20 mm

90.0137 100x25 mm

90.0138 100x30 mm

90.0139 100x35 mm

90.0140 100x40 mm

320 mm

90.0141 130x20 mm

90.0142 130x25 mm

90.0143 130x30 mm

90.0144 130x35 mm

90.0145 130x40 mm

350 mm

90.0146 155x40 mm



lekko wklęsły
slightly concave

Doyen

90.0147 60x35 mm
90.0148 90x35 mm
90.0149 120x35 mm
90.0150 160x35 mm

90.0151 60x45 mm
90.0152 90x45 mm
90.0153 120x45 mm
90.0154 160x45 mm

90.0155 60x60 mm
90.0156 90x60 mm
90.0157 120x60 mm
90.0158 160x60 mm



Collin

90.0171 90x29 mm
90.0172 95x35 mm
90.0173 110x40 mm

haki poprzeczne • lateral retractors



Lateral Retraktor
2x45° zakrzywiony
2x45° curved

90.0196



Lateral Retraktor
2x45° zakrzywiony
2x45° curved

90.0198



Hegar

90.0229 1 mm	90.0259 1,5 mm
90.0230 2 mm	90.0260 2,5 mm
90.0231 3 mm	90.0261 3,5 mm
90.0232 4 mm	90.0262 4,5 mm
90.0233 5 mm	90.0263 5,5 mm
90.0234 6 mm	90.0264 6,5 mm
90.0235 7 mm	90.0265 7,5 mm
90.0236 8 mm	90.0266 8,5 mm
90.0237 9 mm	90.0267 9,5 mm
90.0238 10 mm	90.0268 10,5 mm
90.0239 11 mm	90.0269 11,5 mm
90.0240 12 mm	90.0270 12,5 mm
90.0241 13 mm	90.0271 13,5 mm
90.0242 14 mm	90.0272 14,5 mm
90.0243 15 mm	90.0273 15,5 mm
90.0244 16 mm	90.0274 16,5 mm
90.0245 17 mm	90.0275 17,5 mm
90.0246 18 mm	90.0276 18,5 mm
90.0247 19 mm	90.0277 19,5 mm
90.0248 20 mm	90.0278 20,5 mm
90.0249 21 mm	90.0279 21,5 mm
90.0250 22 mm	90.0280 22,5 mm
90.0251 23 mm	90.0281 23,5 mm
90.0252 24 mm	
90.0253 25 mm	
90.0254 26 mm	
90.0255 27 mm	
90.0256 28 mm	
90.0257 29 mm	
90.0258 30 mm	

komplet • set

90.0282 4-17 mm
14 sztuk w komplecie • pieces per set

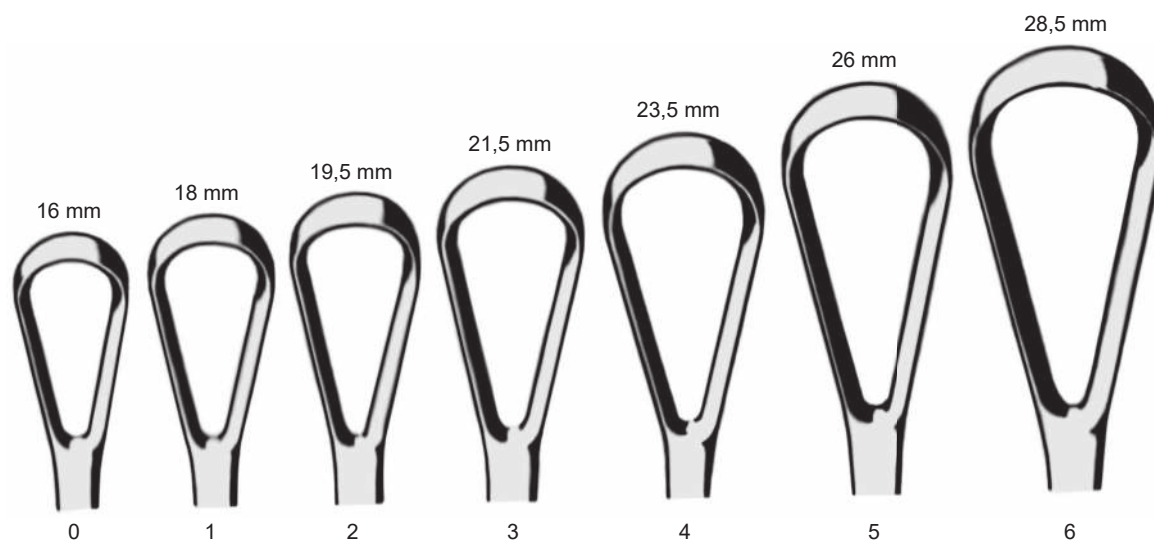
90.0283 1-26 mm
26 sztuk w komplecie • pieces per set



Hegar

podwójny • double

90.0294	1/2 mm
90.0295	3/4 mm
90.0296	5/6 mm
90.0297	7/8 mm
90.0298	9/10 mm
90.0299	11/12 mm
90.0300	13/14 mm
90.0301	15/16 mm
90.0302	17/18 mm
90.0303	19/20 mm
90.0304	21/22 mm
90.0305	23/24 mm
90.0306	25/26 mm

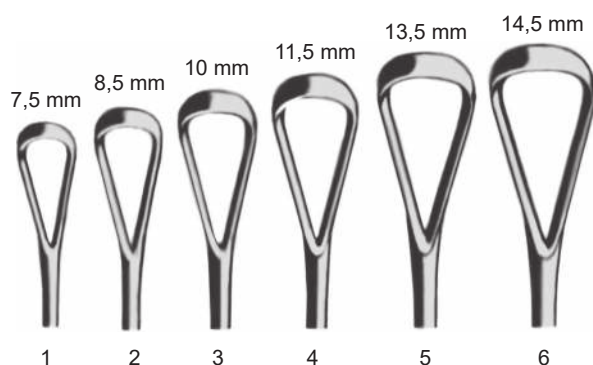


Bumm 280 mm

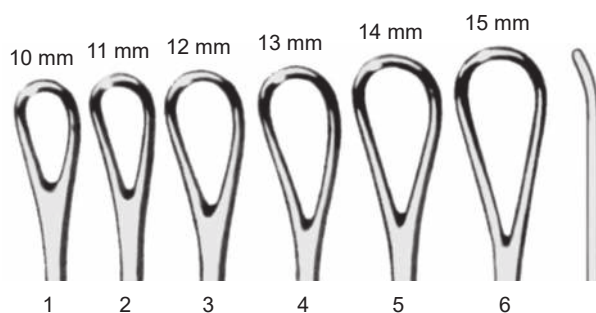
	ostra, giętka sharp, malleable	tępa, giętka blunt, malleable
Fig. 0	90.0334	90.0341
Fig. 1	90.0335	90.0342
Fig. 2	90.0336	90.0343
Fig. 3	90.0337	90.0344
Fig. 4	90.0338	90.0345
Fig. 5	90.0339	90.0346
Fig. 6	90.0340	-



Sims 250 mm



	ostra, giętka sharp, malleable	ostra, sztywna sharp, rigid	tępa, giętka blunt, malleable	tępa, sztywna blunt, rigid
Fig. 1	90.0348	90.0354	90.0360	90.0366
Fig. 2	90.0349	90.0355	90.0361	90.0367
Fig. 3	90.0350	90.0356	90.0362	90.0368
Fig. 4	90.0351	90.0357	90.0363	90.0369
Fig. 5	90.0352	90.0358	90.0364	90.0370
Fig. 6	90.0353	90.0359	90.0365	90.0371



Thomas 280 mm

	tępa, giętka, gładka blunt, malleable, smooth
Fig. 1	90.0372
Fig. 2	90.0373
Fig. 3	90.0374
Fig. 4	90.0375
Fig. 5	90.0376
Fig. 6	90.0377





		ostra, giętka sharp, malleable	ostra, sztywna sharp, rigid	tępa, giętka blunt, malleable	tępa, sztywna blunt, rigid
Fig. 00	5 mm	90.0378	90.0396	90.0414	90.0432
Fig. 0	6 mm	90.0379	90.0397	90.0415	90.0433
Fig. 1	7 mm	90.0380	90.0398	90.0416	90.0434
Fig. 2	8 mm	90.0381	90.0399	90.0417	90.0435
Fig. 3	9 mm	90.0382	90.0400	90.0418	90.0436
Fig. 4	11 mm	90.0383	90.0401	90.0419	90.0437
Fig. 5	12 mm	90.0384	90.0402	90.0420	90.0438
Fig. 6	14 mm	90.0385	90.0403	90.0421	90.0439
Fig. 7	15 mm	90.0386	90.0404	90.0422	90.0440
Fig. 8	16 mm	90.0387	90.0405	90.0423	90.0441
Fig. 9	19 mm	90.0388	90.0406	90.0424	90.0442
Fig. 10	20 mm	90.0389	90.0407	90.0425	90.0443
Fig. 11	21 mm	90.0390	90.0408	90.0426	90.0444
Fig. 12	23 mm	90.0391	90.0409	90.0427	90.0445
Fig. 13	25 mm	90.0392	90.0410	90.0428	90.0446
Fig. 14	30 mm	90.0393	90.0411	90.0429	90.0447
Fig. 15	35 mm	90.0394	90.0412	90.0430	90.0448
Fig. 16	40 mm	90.0395	90.0413	90.0431	90.0449





90.0450



90.0451



90.0452



90.0453



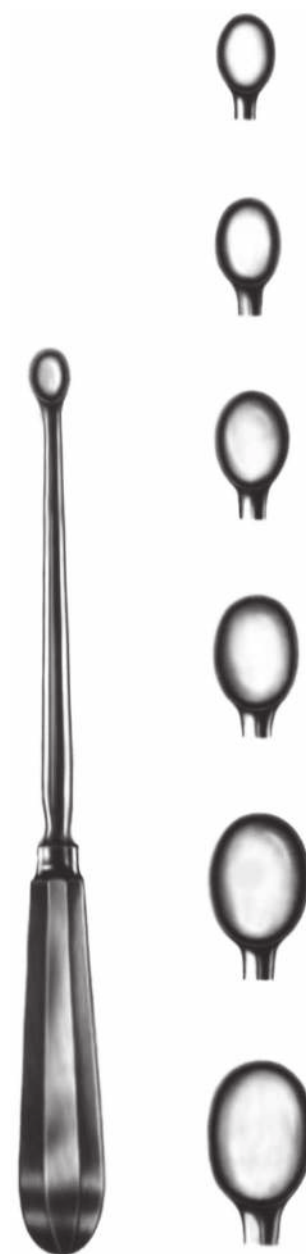
90.0454



90.0455

Schroeder 300 mm

ostra, sztywna
sharp, rigid



90.0456



90.0457



90.0458



90.0459



90.0460



90.0461

Simon 250 mm

ostra, sztywna
sharp, rigid



Noto
90.0479 270 mm



Kelly
90.0480 320 mm

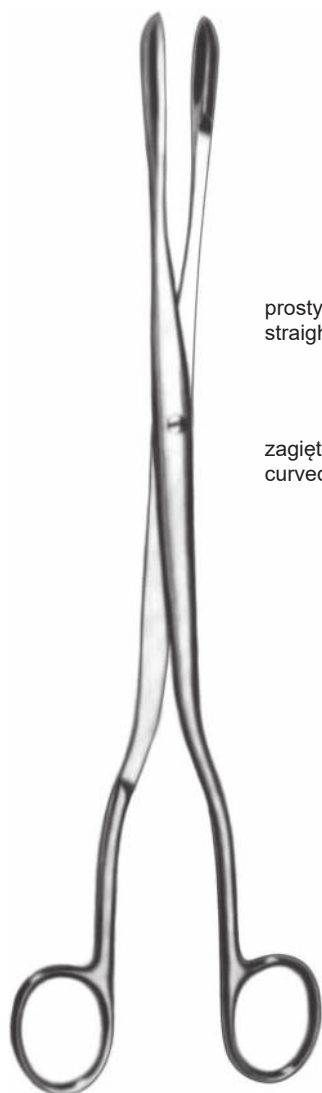


Doyen
90.0481 170 mm

śruby do mięśniaków
myoma screws



Doyen
90.0482 170 mm



Winter 280 mm

prosty
straight

90.0483

90.0484

90.0485

zagięty
curved

90.0486

90.0487

90.0488







Taca z drutu stalowego
Steel wire tray

12.0318.030 540 x 250 x 30 mm
12.0318.050 540 x 250 x 50 mm
12.0318.070 540 x 250 x 70 mm
12.0318.100 540 x 250 x 100 mm

12.0319.030 405 x 250 x 30 mm
12.0319.050 405 x 250 x 50 mm
12.0319.070 405 x 250 x 70 mm
12.0319.100 405 x 250 x 100 mm

12.0316.043 274 x 172 x 43 mm
12.0317.050 267 x 125 x 50 mm

12.0320.030 480 x 250 x 30 mm
12.0320.050 480 x 250 x 50 mm
12.0320.070 480 x 250 x 70 mm
12.0320.100 480 x 250 x 100 mm

12.0321.030 255 x 250 x 30 mm
12.0321.050 255 x 250 x 50 mm
12.0321.070 255 x 250 x 70 mm
12.0321.100 255 x 250 x 100 mm



Taca z drutu stalowego z pokrywą
Steel wire tray with lid

12.0318.031 540 x 250 x 30 mm
12.0318.051 540 x 250 x 50 mm
12.0318.071 540 x 250 x 70 mm
12.0318.101 540 x 250 x 100 mm

12.0319.031 405 x 250 x 30 mm
12.0319.051 405 x 250 x 50 mm
12.0319.071 405 x 250 x 70 mm
12.0319.101 405 x 250 x 100 mm

12.0316.143 274 x 172 x 43 mm
12.0317.051 267 x 125 x 50 mm

12.0320.031 480 x 250 x 30 mm
12.0320.051 480 x 250 x 50 mm
12.0320.071 480 x 250 x 70 mm
12.0320.101 480 x 250 x 100 mm

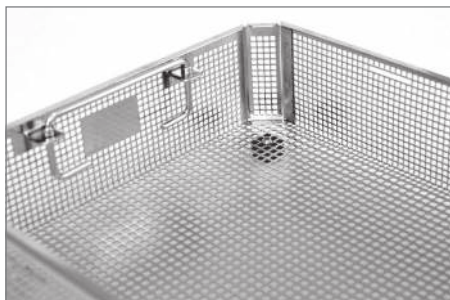
12.0321.031 255 x 250 x 30 mm
12.0321.051 255 x 250 x 50 mm
12.0321.071 255 x 250 x 70 mm
12.0321.101 255 x 250 x 100 mm



Taca z drutu stalowego z pokrywą
Steel wire tray with lid

12.0439 670 x 80 x 52 mm
12.0440 460 x 80 x 52 mm
12.0441 290 x 80 x 52 mm

12.0442 640 x 150 x 77 mm



Taca z blachy perforowanej
Perforated sheet tray

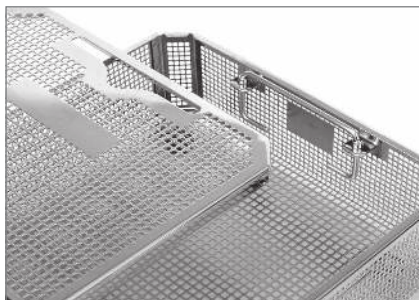
12.0322.030 540 x 253 x 30 mm
12.0322.050 540 x 253 x 50 mm
12.0322.070 540 x 253 x 70 mm
12.0322.100 540 x 253 x 100 mm

12.0323.030 485 x 253 x 30 mm
12.0323.050 485 x 253 x 50 mm
12.0323.070 485 x 253 x 70 mm
12.0323.100 485 x 253 x 100 mm

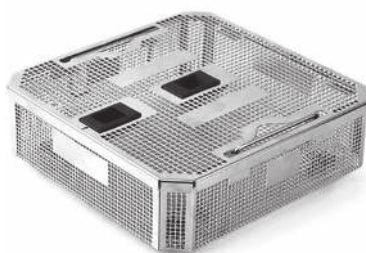
12.0327.030 405 x 253 x 30 mm
12.0327.050 405 x 253 x 50 mm
12.0327.070 405 x 253 x 70 mm
12.0327.100 405 x 253 x 100 mm

12.0324.030 244 x 253 x 30 mm
12.0324.050 244 x 253 x 50 mm
12.0324.070 244 x 253 x 70 mm
12.0324.100 244 x 253 x 100 mm

12.0325.040 275 x 175 x 40 mm
12.0325.095 275 x 175 x 95 mm
12.0326.050 265 x 125 x 50 mm



Taca z blachy perforowanej z pokrywą
Perforated sheet tray with lid



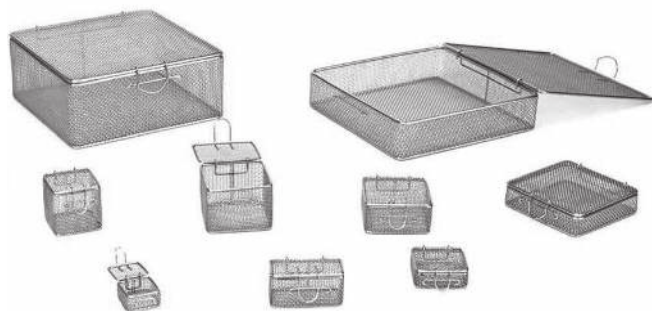
12.0322.031 540 x 253 x 30 mm
12.0322.051 540 x 253 x 50 mm
12.0322.071 540 x 253 x 70 mm
12.0322.101 540 x 253 x 100 mm

12.0323.031 485 x 253 x 30 mm
12.0323.051 485 x 253 x 50 mm
12.0323.071 485 x 253 x 70 mm
12.0323.101 485 x 253 x 100 mm

12.0327.031 405 x 253 x 30 mm
12.0327.051 405 x 253 x 50 mm
12.0327.071 405 x 253 x 70 mm
12.0327.101 405 x 253 x 100 mm

12.0324.031 244 x 253 x 30 mm
12.0324.051 244 x 253 x 50 mm
12.0324.071 244 x 253 x 70 mm
12.0324.101 244 x 253 x 100 mm

12.0325.041 275 x 175 x 40 mm
12.0325.195 275 x 175 x 95 mm
12.0326.051 265 x 125 x 50 mm

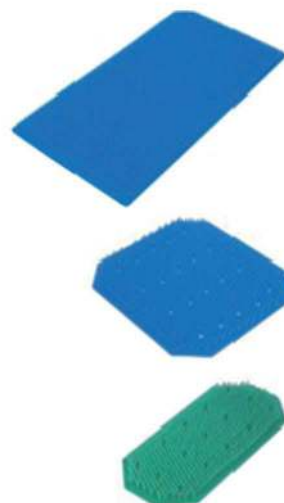


Taca z drutu stalowego
Steel mesh tray

12.0328.030	30 x 30 x 30 mm
12.0329.020	40 x 40 x 20 mm
12.0329.040	40 x 40 x 40 mm
12.0330.020	60 x 60 x 20 mm
12.0330.040	60 x 60 x 40 mm
12.0330.060	60 x 60 x 60 mm
12.0331.020	80 x 80 x 20 mm
12.0331.140	80 x 40 x 40 mm
12.0331.040	80 x 80 x 40 mm
12.0331.060	80 x 80 x 60 mm
12.0331.080	80 x 80 x 80 mm
12.0332.010	100 x 100 x 10 mm
12.0333.030	120 x 120 x 30 mm
12.0333.060	120 x 120 x 60 mm
12.0333.080	120 x 120 x 80 mm
12.0334.030	240 x 240 x 30 mm
12.0334.060	240 x 240 x 60 mm
12.0334.080	240 x 240 x 80 mm
12.0334.100	240 x 240 x 100 mm



K2-740
Filtr papierowy, jednorazowy, opak. 100 szt.
Single use paper filter, 100 pcs



Maty silikonowe
Silicone mats

12.0718.000	275 x 125 mm
12.0719.000	250 x 235 mm
12.0720.000	300 x 300 mm
12.0721.000	380 x 230 mm
12.0722.000	440 x 230 mm
12.0723.000	520 x 230 mm
12.0724.000	230 x 220 mm
12.0725.000	470 x 230 mm
12.0726.000	260 x 180 mm



12.0727.000	250 x 240 x 2 mm
12.0728.000	480 x 250 x 2 mm



K2-660
Plomby plastikowe, opak. 100 szt.
Plastic security seal, 100 pcs



12.0400.030 230 x 155 x 30 mm
12.0401.030 300 x 175 x 30 mm
12.0401.040 300 x 175 x 40 mm
12.0402.040 350 x 240 x 40 mm
12.0403.050 400 x 300 x 50 mm



12.0411.040 235 x 190 x 40 mm



12.0404.010 210 x 160 x 10 mm
12.0405.010 240 x 180 x 10 mm
12.0406.010 310 x 150 x 10 mm
12.0407.010 310 x 210 x 10 mm
12.0408.010 350 x 240 x 10 mm
12.0409.020 400 x 270 x 20 mm
12.0410.010 420 x 280 x 10 mm



12.0412.040 100 x 60 x 40 mm
12.0413.040 120 x 80 x 40 mm
12.0414.030 160 x 100 x 30 mm
12.0415.035 170 x 90 x 35 mm
12.0416.050 180 x 120 x 50 mm
12.0417.050 200 x 100 x 50 mm
12.0418.050 220 x 150 x 50 mm
12.0419.050 260 x 150 x 50 mm
12.0420.050 300 x 200 x 50 mm
12.0421.050 310 x 201 x 50 mm
12.0422.080 400 x 200 x 80 mm
12.0423.070 500 x 270 x 70 mm



12.0424.040 180 x 80 x 40 mm
12.0425.060 200 x 100 x 60 mm
12.0426.060 220 x 120 x 60 mm
12.0427.060 250 x 120 x 60 mm
12.0428.060 300 x 125 x 60 mm
12.0429.060 320 x 150 x 60 mm
12.0430.120 500 x 200 x 120 mm



30.4300	40 mm
30.4301	60 mm
30.4302	80 mm
30.4303	100 mm
30.4304	120 mm
30.4305	150 mm



30.4306	165 x 60 mm	0,75 l
30.4307	175 x 70 mm	1,00 l
30.4308	220 x 80 mm	2,00 l
30.4309	225 x 90 mm	2,50 l
30.4310	240 x 110 mm	3,00 l
30.4311	255 x 115 mm	4,00 l
30.4312	275 x 115 mm	4,50 l
30.4313	290 x 125 mm	6,00 l
30.4314	310 x 120 mm	6,00 l
30.4315	345 x 125 mm	8,50 l
30.4316	380 x 130 mm	11,00 l
30.4317	415 x 140 mm	14,00 l



30.4318	70 mm	0,25 l
30.4319	110 mm	0,50 l
30.4320	140 mm	1,00 l
30.4321	160 mm	1,50 l
30.4322	180 mm	2,00 l



30.4323	170 mm
30.4324	200 mm
30.4325	250 mm
30.4326	270 mm



30.4330	40 x 19 mm	0,05 l
30.4331	61 x 30 mm	0,07 l
30.4332	80 x 40 mm	0,14 l
30.4333	116 x 50 mm	0,35 l
30.4334	128 x 55 mm	0,45 l
30.4335	147 x 65 mm	0,70 l
30.4336	210 x 90 mm	2,50 l

Catalogue no. Nr katalogowy	Page Strona	Catalogue no. Nr katalogowy	Page Strona	Catalogue no. Nr katalogowy	Page Strona	Catalogue no. Nr katalogowy	Page Strona
12.0316.043	160	12.0331.060	162	30.0094.100	47	30.0191	19
12.0316.143	160	12.0331.140	162	30.0095	47	30.0192	19
12.0317.050	160	12.0332.010	162	30.0098	6	30.0193	19
12.0317.051	160	12.0333.030	162	30.0099	6	30.0194	19
12.0318.030	160	12.0333.060	162	30.0100	47	30.0195	19
12.0318.031	160	12.0333.080	162	30.0101	47	30.0196	19
12.0318.050	160	12.0334.030	162	30.0102	47	30.0197	19
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12.0318.071	160	12.0334.100	162	30.0104.100	47	30.0200	19
12.0318.100	160	12.0400.030	163	30.0105	47	30.0201	19
12.0318.101	160	12.0401.030	163	30.0105.100	47	30.0202	19
12.0319.030	160	12.0401.040	163	30.0121	19	30.0203	19
12.0319.031	160	12.0402.040	163	30.0122	19	30.0204	19
12.0319.050	160	12.0403.050	163	30.0123	19	30.0205	19
12.0319.051	160	12.0404.010	163	30.0124	19	30.0206	19
12.0319.070	160	12.0405.010	163	30.0125	19	30.0207	19
12.0319.071	160	12.0406.010	163	30.0126	19	30.0208	19
12.0319.100	160	12.0407.010	163	30.0127	19	30.0209	19
12.0319.101	160	12.0408.010	163	30.0128	19	30.0210	19
12.0320.030	160	12.0409.020	163	30.0129	19	30.0211	48
12.0320.031	160	12.0410.010	163	30.0130	19	30.0212	48
12.0320.050	160	12.0411.040	163	30.0131	19	30.0213	48
12.0320.051	160	12.0412.040	163	30.0132	19	30.0214	48
12.0320.070	160	12.0413.040	163	30.0133	19	30.0215	48
12.0320.071	160	12.0414.030	163	30.0134	19	30.0216	48
12.0320.100	160	12.0415.035	163	30.0135	19	30.0217	48
12.0320.101	160	12.0416.050	163	30.0136	19	30.0218	48
12.0321.030	160	12.0417.050	163	30.0137	19	30.0219	48
12.0321.031	160	12.0418.050	163	30.0138	19	30.0220	48
12.0321.050	160	12.0419.050	163	30.0139	19	30.0221.000	49
12.0321.051	160	12.0420.050	163	30.0140	19	30.0221.130	49
12.0321.070	160	12.0421.050	163	30.0141	19	30.0222.000	49
12.0321.071	160	12.0422.080	163	30.0142	19	30.0222.130	49
12.0321.100	160	12.0423.070	163	30.0143	19	30.0223	49
12.0321.101	160	12.0424.040	163	30.0144	19	30.0224	49
12.0322.030	161	12.0425.060	163	30.0145	19	30.0225	49
12.0322.031	161	12.0426.060	163	30.0146	19	30.0226	49
12.0322.050	161	12.0427.060	163	30.0147	19	30.0227	49
12.0322.051	161	12.0428.060	163	30.0148	19	30.0228	49
12.0322.070	161	12.0429.060	163	30.0149	19	30.0229	49
12.0322.071	161	12.0430.120	163	30.0150	19	30.0230	49
12.0322.100	161	12.0439	160	30.0151	19	30.0231	49
12.0322.101	161	12.0440	160	30.0152	19	30.0232	49
12.0323.030	161	12.0441	160	30.0153	19	30.0233	49
12.0323.031	161	12.0442	160	30.0154	19	30.0234	49
12.0323.050	161	12.0718.000	162	30.0155	19	30.0235	49
12.0323.051	161	12.0719.000	162	30.0156	19	30.0236	49
12.0323.070	161	12.0720.000	162	30.0157	19	30.0237	49
12.0323.071	161	12.0721.000	162	30.0158	19	30.0238	49
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12.0324.030	161	12.0724.000	162	30.0161	19	30.0241	49
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12.0324.050	161	12.0726.000	162	30.0163	19	30.0243	49
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12.0324.070	161	12.0728.000	162	30.0165	19	30.0245	49
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12.0324.101	161	30.0043	6	30.0168	19	30.0248	49
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12.0325.041	161	30.0046	6	30.0170	19	30.0250	49
12.0325.095	161	30.0054	48	30.0171	19	30.0251	49
12.0325.195	161	30.0056	48	30.0172	19	30.0252	49
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12.0326.051	161	30.0058	48	30.0174	19	30.0254	49
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12.0327.050	161	30.0082	47	30.0177	19	30.0257	49
12.0327.051	161	30.0083	47	30.0178	19	30.0258	49
12.0327.070	161	30.0084	47	30.0179	19	30.0259.000	49
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12.0327.100	161	30.0086	47	30.0181	19	30.0260.000	49
12.0327.101	161	30.0087	47	30.0182	19	30.0260.160	49
12.0328.030	162	30.0088	47	30.0183	19	30.0261	50
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12.0329.040	162	30.0090	47	30.0185	19	30.0263	50
12.0330.020	162	30.0091	47	30.0186	19	30.0264	50
12.0330.040	162	30.0092	47	30.0187	19	30.0265	50
12.0330.060	162	30.0092.100	47	30.0188	19	30.0266	50
12.0331.020	162	30.0093	47	30.0189	19	30.0267	50
12.0331.040	162	30.0094	47	30.0190	19	30.0268	50

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30.0274	50	30.1062	90	30.1151	94	30.1249	103
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30.0297	55	30.1085	91	30.1178	95	30.1272	104
30.0298	55	30.1086	91	30.1179	95	30.1273	104
30.0299	55	30.1087	91	30.1180	96	30.1274	104
30.1002	87	30.1088	91	30.1181	96	30.1275	104
30.1004	87	30.1089	91	30.1182	96	30.1276	104
30.1005	87	30.1090	91	30.1183	96	30.1277	104
30.1006	87	30.1091	92	30.1184	96	30.1278	104
30.1007	87	30.1092	92	30.1185	97	30.1279	104
30.1008	87	30.1093	92	30.1186	97	30.1280	104
30.1009	87	30.1094	92	30.1187	97	30.1281	104
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30.1018	88	30.1106	92	30.1196	97	30.1289	105
30.1019	88	30.1107	92	30.1197	97	30.1290	105
30.1020	88	30.1108	92	30.1198	98	30.1291	105
30.1021	88	30.1109	92	30.1199	98	30.1292	106
30.1022	88	30.1110	92	30.1200	98	30.1293	106
30.1023	88	30.1111	92	30.1201	98	30.1294	106
30.1024	88	30.1112	92	30.1202	98	30.1295	106
30.1025	88	30.1113	92	30.1203	98	30.1296	106
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30.1029	89	30.1117	93	30.1207	98	30.1300	107
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30.1031	89	30.1121	93	30.1209	99	30.1302	107
30.1032	89	30.1123	93	30.1210	99	30.1303	107
30.1033	89	30.1124	93	30.1211	99	30.1304	107
30.1034	89	30.1125	93	30.1212	100	30.1305	107
30.1035	89	30.1126	93	30.1213	100	30.1306	108
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30.1051	90	30.1140	94	30.1236	102	30.1330	110
30.1052	90	30.1141	94	30.1237	102	30.1331	110
30.1053	90	30.1142	94	30.1238	102	30.1332	110
30.1054	90	30.1143	94	30.1239	102	30.1334	110
30.1055	90	30.1144	94	30.1240	102	30.1335	110
30.1056	90	30.1145	94	30.1243	103	30.1336	110

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30.1338	111	30.1436	86	30.1515	132	30.1931	54
30.1339	111	30.1437	86	30.1516	132	30.1932	54
30.1340	111	30.1438	123	30.1517	133	30.1935	65
30.1342	111	30.1439	123	30.1518	133	30.1936	65
30.1343	111	30.1440	123	30.1519	134	30.1937	82
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30.1348	111	30.1445	124	30.1523	134	30.1941	82
30.1350	112	30.1446	124	30.1525	134	30.1942	82
30.1352	112	30.1447	124	30.1526	135	30.1943	83
30.1354	112	30.1450	124	30.1527	135	30.1944	83
30.1355	112	30.1451	124	30.1528	135	30.1945	83
30.1356	112	30.1452	124	30.1529	135	30.1946	83
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30.1358	113	30.1454	124	30.1531	135	30.1948	69
30.1359	113	30.1455	124	30.1532	135	30.1949	69
30.1360	113	30.1456	124	30.1533	122	30.1950	69
30.1361	113	30.1457	124	30.1534	122	30.1951	69
30.1362	113	30.1458	125	30.1535	122	30.1952	69
30.1363	113	30.1459	125	30.1536	122	30.1953	83
30.1364	114	30.1460	125	30.1537	122	30.1954	83
30.1365	114	30.1461	125	30.1538	122	30.1955	83
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30.1368	114	30.1464	125	30.1541	122	30.2001	55
30.1369	114	30.1465	125	30.1542	122	30.2002	55
30.1370	114	30.1466	125	30.1543	122	30.2003	55
30.1371	115	30.1467	125	30.1544	122	30.2004	55
30.1372	115	30.1468	125	30.1545	122	30.2005	55
30.1373	115	30.1469	126	30.1548	126	30.2006	55
30.1374	115	30.1470	126	30.1550	136	30.2007	55
30.1375	115	30.1471	126	30.1551	136	30.2008	55
30.1376	115	30.1472	126	30.1552	136	30.2009	55
30.1377	116	30.1473	126	30.1553	136	30.2010	55
30.1378	116	30.1474	126	30.1554	137	30.2011	55
30.1379	116	30.1475	126	30.1555	137	30.2012	55
30.1380	116	30.1476	126	30.1556	138	30.2013	55
30.1381	116	30.1477	126	30.1557	138	30.2014	56
30.1382	116	30.1478	126	30.1558	138	30.2015	56
30.1383	117	30.1479	126	30.1559	139	30.2016	56
30.1384	117	30.1480	126	30.1560	139	30.2017	56
30.1385	117	30.1481	126	30.1561	139	30.2018	56
30.1387	117	30.1482.000	127	30.1562	139	30.2019	56
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30.1389	117	30.1483	127	30.1593	123	30.2021	56
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30.1395	118	30.1489	128	30.1900	52	30.2027	57
30.1396	118	30.1490	128	30.1901	52	30.2028	57
30.1397	118	30.1491	128	30.1902	52	30.2029	57
30.1402	119	30.1491.025	128	30.1903	52	30.2030	57
30.1403	119	30.1492	128	30.1904	52	30.2031	57
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30.1412	120	30.1493.035	129	30.1907	52	30.2036	58
30.1413	120	30.1494	129	30.1908	52	30.2037	58
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30.1416	120	30.1495.100	129	30.1911	52	30.2042	58
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30.1432	86	30.1511	132	30.1927	54	30.2058	60
30.1433	86	30.1512	132	30.1928	54	30.2059	60
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30.2065	60	30.2148	67	30.2232	77	30.2358	21
30.2066	60	30.2149	67	30.2233	77	30.2359	21
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30.2069	61	30.2151	67	30.2235	77	30.2361	21
30.2070	61	30.2152	67	30.2236	77	30.2362	21
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30.2079	61	30.2162	67	30.2245	77	30.2371	22
30.2080	61	30.2163	67	30.2247	77	30.2372	22
30.2082	62	30.2164	67	30.2248	77	30.2373.000	22
30.2083	62	30.2165	67	30.2249	77	30.2373.100	22
30.2084	62	30.2167	68	30.2250	77	30.2374.000	22
30.2085	62	30.2168	68	30.2251	77	30.2374.100	22
30.2086	62	30.2169	68	30.2252	80	30.2375	22
30.2087	62	30.2170	68	30.2253	80	30.2376	22
30.2088	62	30.2171	68	30.2254	80	30.2378	22
30.2089	62	30.2172	68	30.2255	80	30.2380	22
30.2089.250	62	30.2173	68	30.2256	80	30.2381	22
30.2090	62	30.2174	68	30.2257	80	30.2382	22
30.2090.250	62	30.2175	68	30.2258	80	30.2383	19
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30.2095	63	30.2180	68	30.2264	81	30.2388	19
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