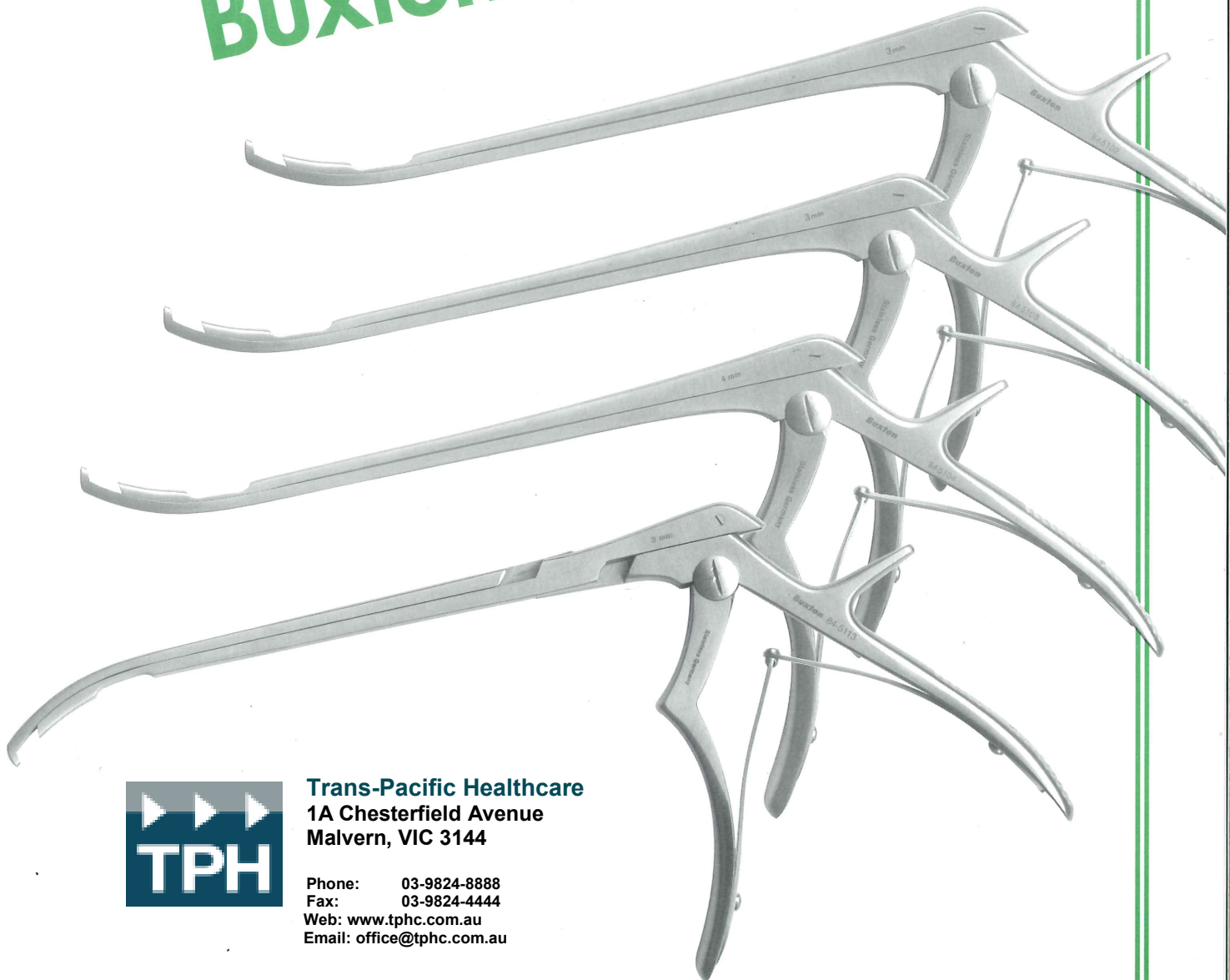




Spinal Instruments from Buxton BioMedical



Trans-Pacific Healthcare
1A Chesterfield Avenue
Malvern, VIC 3144

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Fax: 03-9824-4444
Web: www.tphc.com.au
Email: office@tphc.com.au

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ADDITIONAL INFORMATION

Ordering

Buxton products may be ordered directly from our headquarters by calling (973) 560-4848, or by FAXing purchase orders to (973)560-4999. Orders may also be placed through authorized local representatives. Published prices are subject to change without notice. To verify pricing and availability on a given product, contact our Customer Service department.

Lifetime Guarantee

Buxton BioMedical offers the finest quality surgical instruments available. While our instruments are guaranteed against defects in materials and workmanship, proper maintenance is essential to the longevity of any device. Buxton's guarantee is void if the instruments show signs of neglect or are used for anything other than their intended surgical purpose. Replaceable parts such as carbide inserts and springs are guaranteed for a period of two years.

Instrument Care

Sterilizing is not cleaning. Instruments which have been exposed to blood, tissue or saline should be cleaned manually using a nylon brush and a cleaning solution intended for use with stainless steel. Whenever possible, ultrasonic cleaning is also recommended. When autoclaving, follow the instructions of your autoclave's manufacturer carefully. When cold sterilizing, remember that chemical solutions can be harsh on delicate stainless steel surfaces. We recommend immersion for no more than 20 minutes. Instruments with carbide inserts should not be immersed in sterilizing solutions containing Benzyl Amonium Chloride (BAC). BAC is highly corrosive and will cause serious damage to carbide. Detailed cleaning and sterilizing information is available on request.

Repairs

Should any Buxton instrument need repair, please contact our Customer Service department. Instruments which have been used in surgery should be cleaned and sterilized before they are returned for servicing.

Product Development

Buxton BioMedical was founded with the intent of fulfilling the instrument needs of spine, shoulder, hand and foot surgeons. We are always interested in developing new instrument designs, and improving upon existing patterns. We welcome your comments and suggestions.

Other Publications

This catalog showcases Buxton's unique collection of instruments for surgery of the spine. Catalogs and brochures featuring instrumentation for hand, foot and shoulder surgery are also available. Call or write for your free copy.

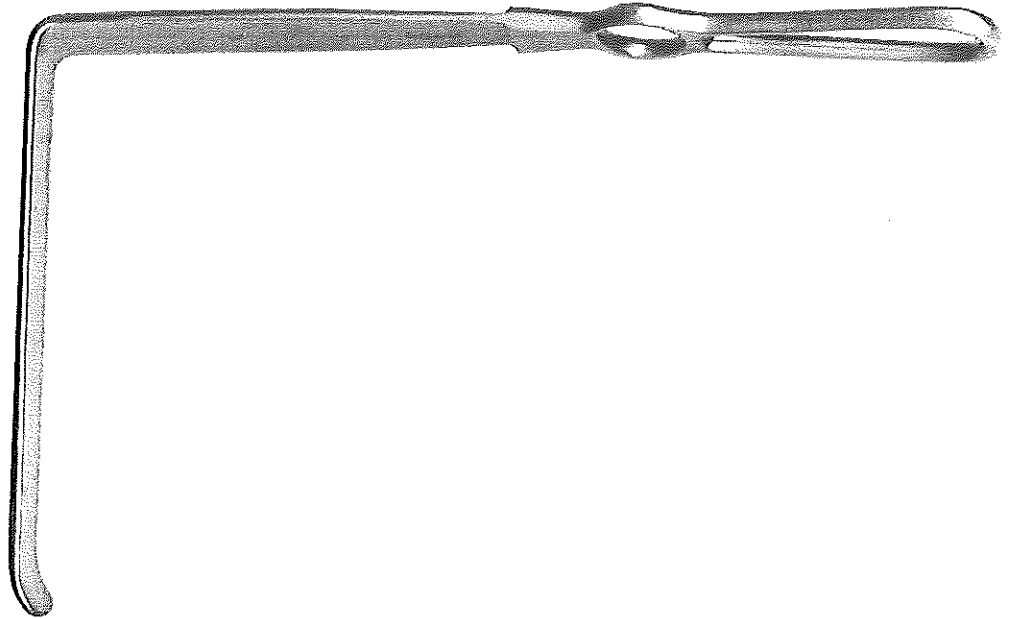


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RETRACTORS

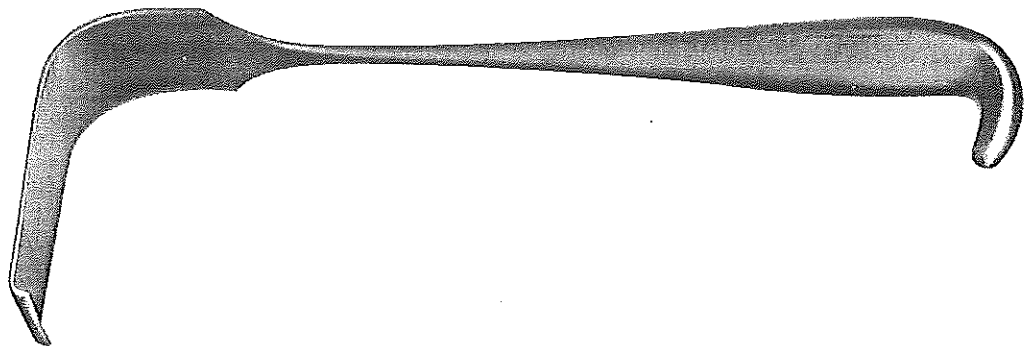
Brunner Retractor
Overall length 250 mm

74-1700	80 x 20 mm
74-1703	100 x 20 mm
74-1704	120 x 25 mm
74-1710	140 x 25 mm
74-1716	160 x 30 mm
74-1718	180 x 30 mm
74-1725	250 x 30 mm
74-1730	300 x 30 mm



Meyerding Retractor
Overall length 225 mm,
teeth at distal end

74-1960	50 x 16 mm
74-1962	75 x 25 mm
74-1964	90 x 50 mm

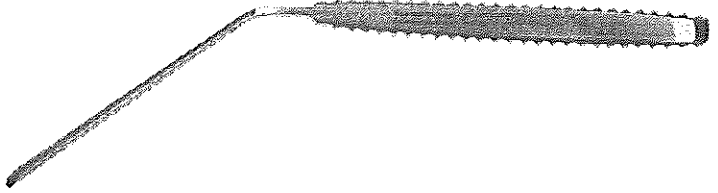


NERVE ROOT RETRACTORS

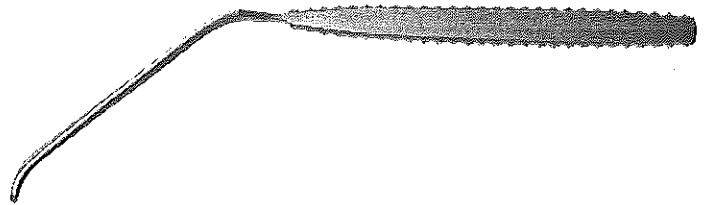
Cloward Retractor

Overall length 185 mm, concave blade surface

no lip
74-3413 13 mm wide



lip at distal end
74-3420 18 mm wide
74-3422 20 mm wide
74-3424 24 mm wide



74-3410 set of 4 Cloward retractors (1 each size)

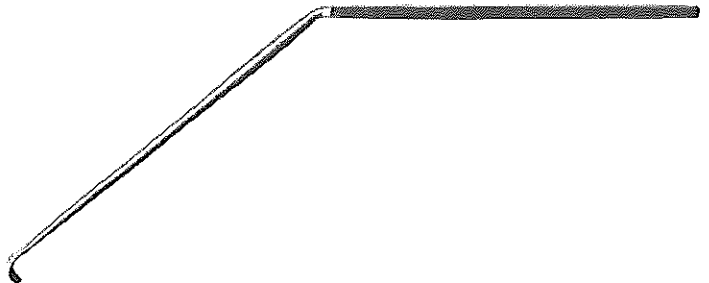
Love Nerve Root Retractor

Overall length 210 mm, 7 x 5 mm blade
lip falls from shaft 90° without curving back

74-5000 straight

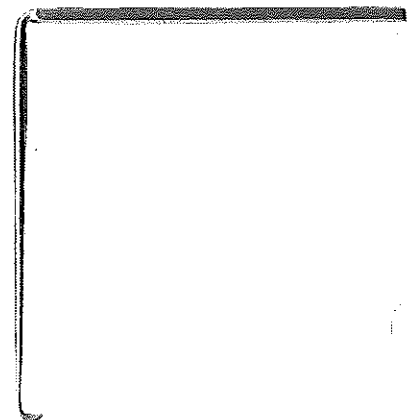


74-5020 angled 45°



74-5040 angled 90°

74-5045 set of 3 Love retractors (1 each style)



NERVE ROOT RETRACTORS

Love Nerve Root Retractor

Overall length 220 mm, bayonet shaped



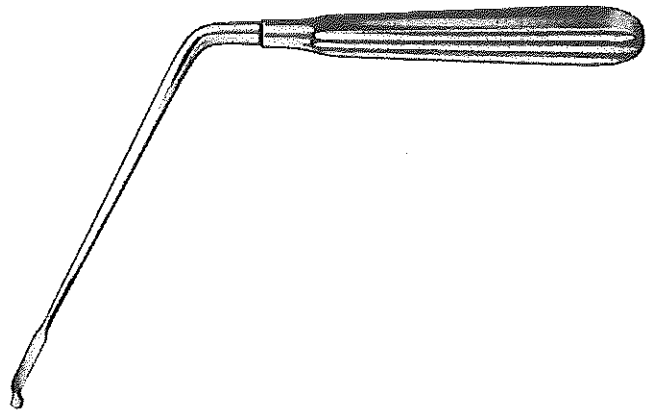
74-7000 4 x 5 mm blade with concave surface

Scoville Nerve Root Retractor

Overall length 235 mm



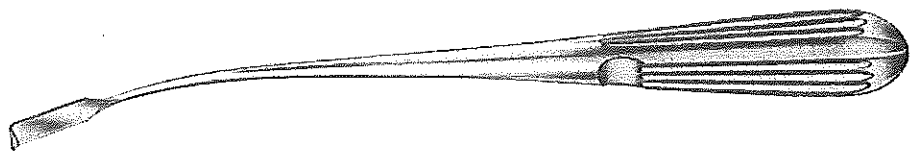
74-7500 straight, 7 x 4 mm blade



74-7600 angled 45°, 8 x 5 mm blade

Holsher Nerve Root Retractor

Overall length 240 mm, curved shaft



74-7700 10 x 7 mm blade

NERVE HOOKS

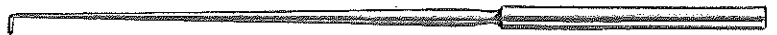
Dandy Nerve Hook

Overall length 220 mm,
5 mm probe tip

74-5060 angled left



74-5070 straight



74-5080 angled right



Cushing Nerve Hook

Overall length 285 mm
7 mm probe tip
with bulbous end

74-6631



Murphy Probe

(a.k.a. Love Nerve Hook)

Overall length 220 mm
shallow curve, with ball tip

74-6702



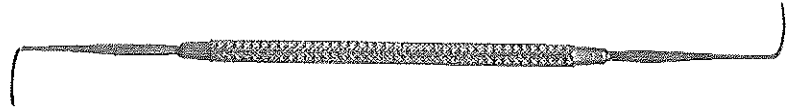
DISSECTORS

Bruett Elevator/Raspatory

Overall length 200 mm, double ended



72-3742 6 mm blades, straight/90°, sharp



72-3744 6 mm blades, 90°, sharp/blunt



72-3746 6 mm blades, spiral ends, blunt

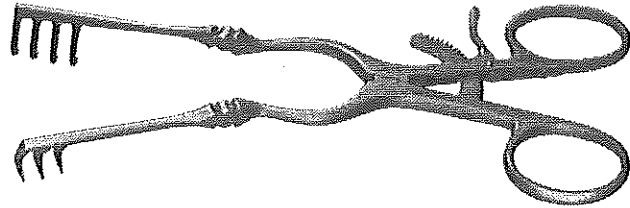


72-3748 extra delicate, 3 mm blades, 45°/90°, semi-sharp

RETRACTORS

Baby-Adson Retractor

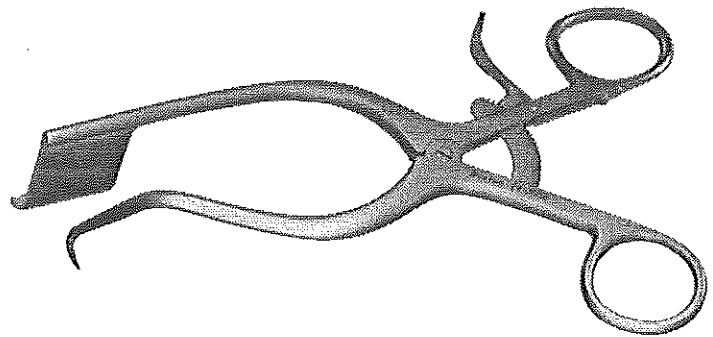
Overall length 165 mm,
3 x 4 prongs, 15 mm deep



74-2600 sharp
74-2601 blunt

Markham-Meyerding Hemi-Laminectomy Retractor

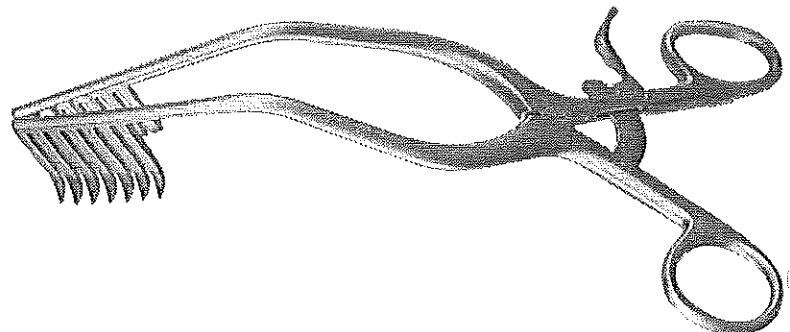
Overall length 180 mm,
50 x 25 mm toothed blade



74-2669 blade on right
74-2670 blade on left

Miskimon Retractor

Overall length 210 mm, arms angled 40°

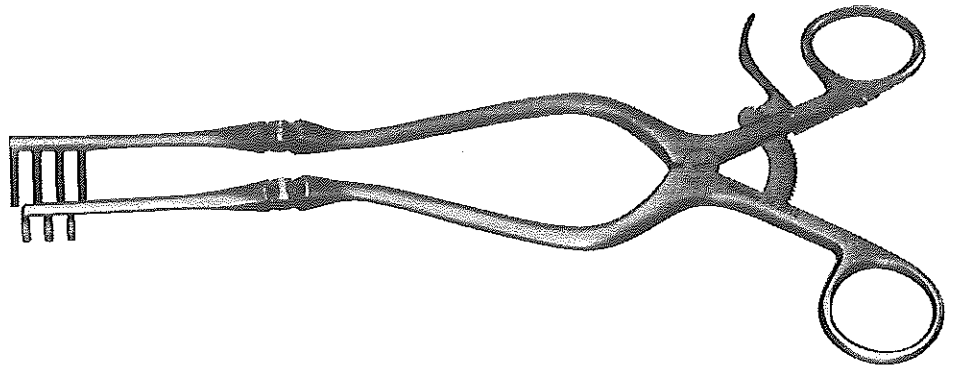


74-2613 7 x 7 sharp prongs, 35 mm deep

RETRACTORS

Adson Retractor

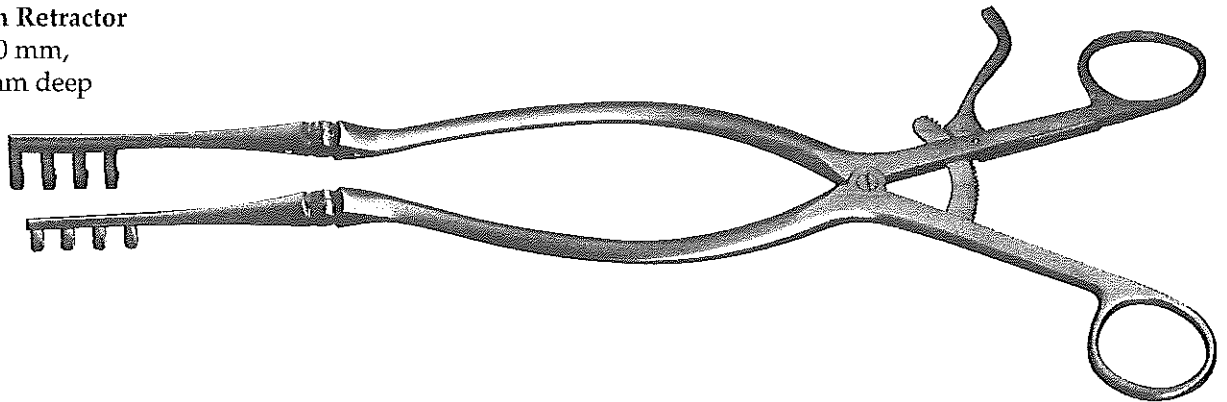
Overall length 260 mm,
3 x 4 prongs, 25 mm deep



74-2606 sharp
74-2607 blunt

Beckmann-Adson Retractor

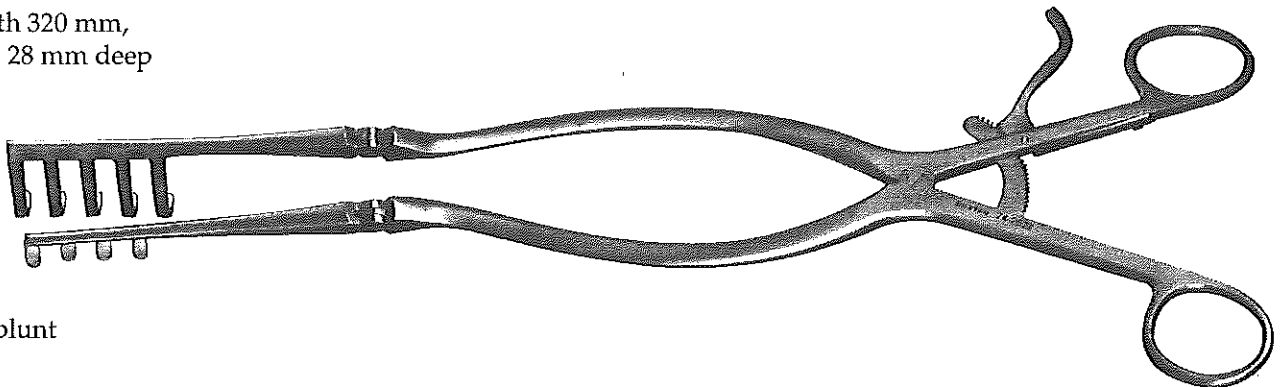
Overall length 310 mm,
4 x 4 prongs, 18 mm deep



74-2621 blunt

Adson Retractor

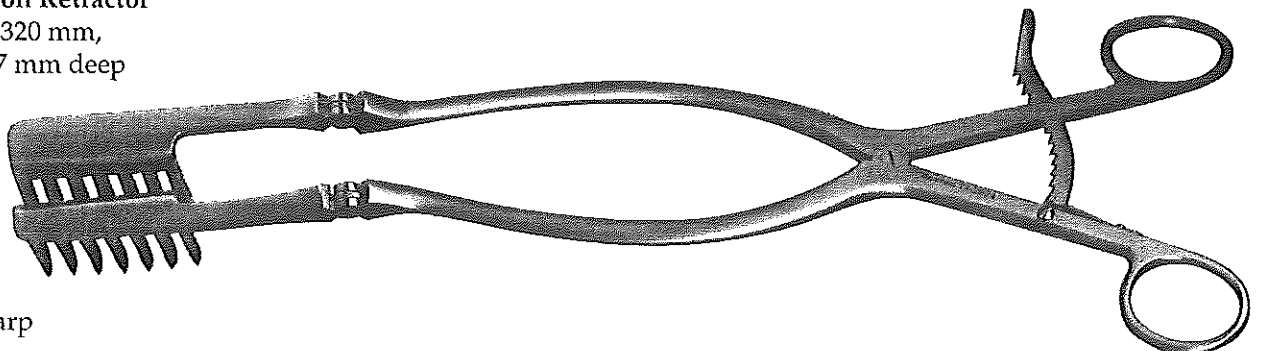
Overall length 320 mm,
4 x 5 prongs, 28 mm deep



74-2622 blunt

Beckmann-Eaton Retractor

Overall length 320 mm,
7 x 7 prongs, 47 mm deep

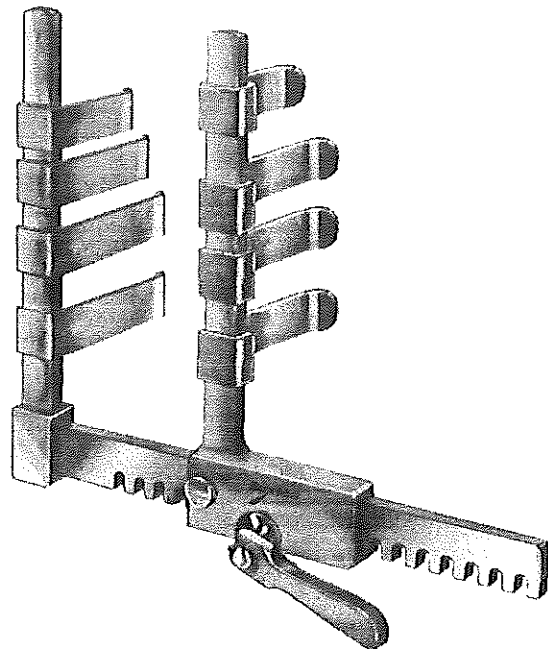


74-2624 sharp

LUMBAR RETRACTORS

Buxton Laminectomy Retractor

Width of retraction can be varied by adding or removing bladelets from the arms of the frame. Multiple level retraction is achieved by varying the length of the bladelets used on each arm. Spacing the bladelets enables limited access to the tissues being retracted. Reversing the insertion of the oversized crank handle and changing the direction of the bladelets allows the excursion arm to travel either right or left.



- 74-2900 Retractor Set, with 8 bladelets
- 74-2901 frame only

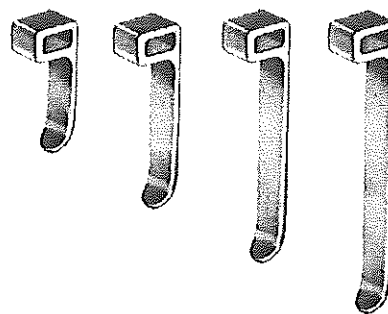
Stainless Bladelet

for Stainless Laminectomy Retractor

Two widths and seven lengths are standardly available. Lip at distal most end curves gently inward. Custom blades may also be designed to satisfy specific needs.

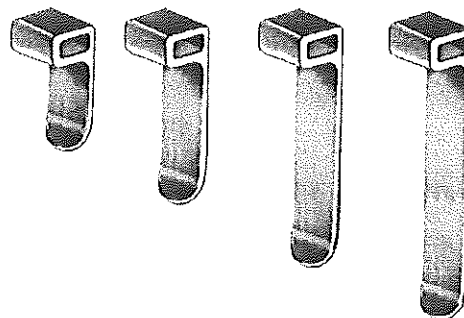
12 mm wide

- 74-2903 30 mm
- 74-2904 40 mm
- 74-2905 50 mm
- 74-2906 65 mm
- 74-2908 75 mm
- 74-2909 85 mm
- 74-2910 110 mm



20 mm wide

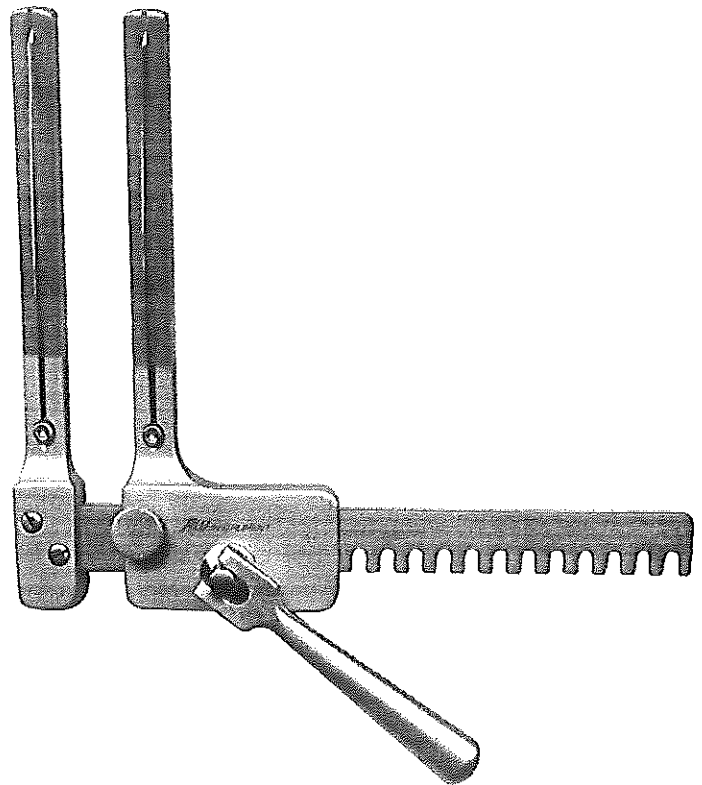
- 74-2953 30 mm
- 74-2954 40 mm
- 74-2955 50 mm
- 74-2956 65 mm
- 74-2958 75 mm
- 74-2959 85 mm
- 74-2960 110 mm



LUMBAR RETRACTORS

Aluminum Laminectomy Retractor

This hybrid retractor system blends the lightweight, radiolucent advantages of aluminum alloy arms and bladelets with the strength and durability provided by a stainless steel rack and pinion method of excursion. Stainless spring-steel wires running up the center of each arm retain aluminum bladelets.



- 74-2800 Retractor Set, with 8 blades
- 74-2801 frame only

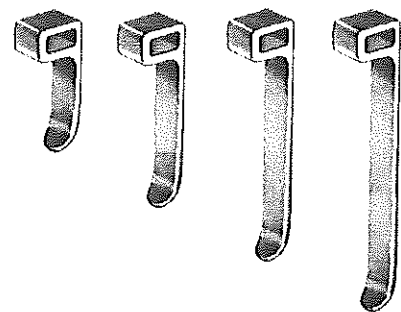
Aluminum Bladelet

for Aluminum Laminectomy Retractor

Seven lengths are standardly available. Lip at distal most end curves gently inward. Custom blades may also be designed to satisfy specific needs.

12 mm wide

- 74-2803 30 mm
- 74-2804 40 mm
- 74-2805 50 mm
- 74-2806 65 mm
- 74-2808 75 mm
- 74-2809 85 mm
- 74-2810 110 mm

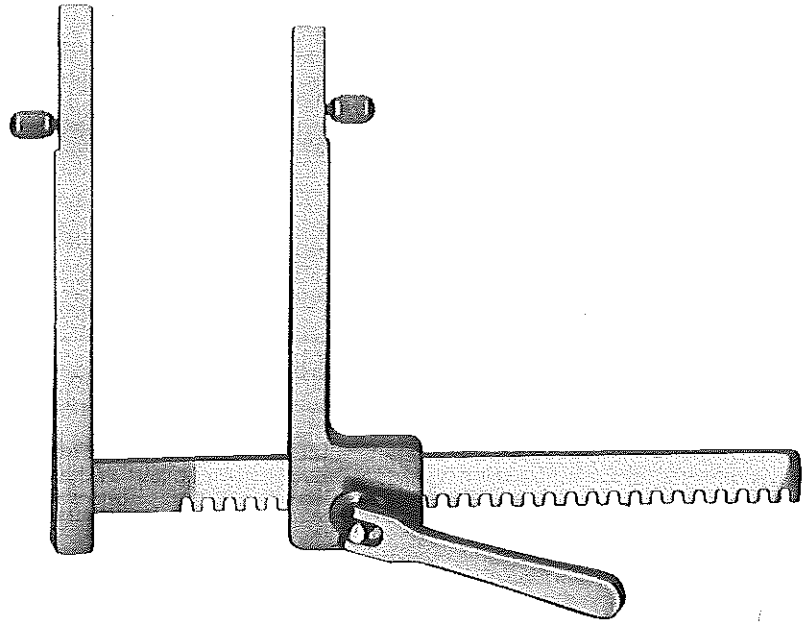


LUMBAR RETRACTORS

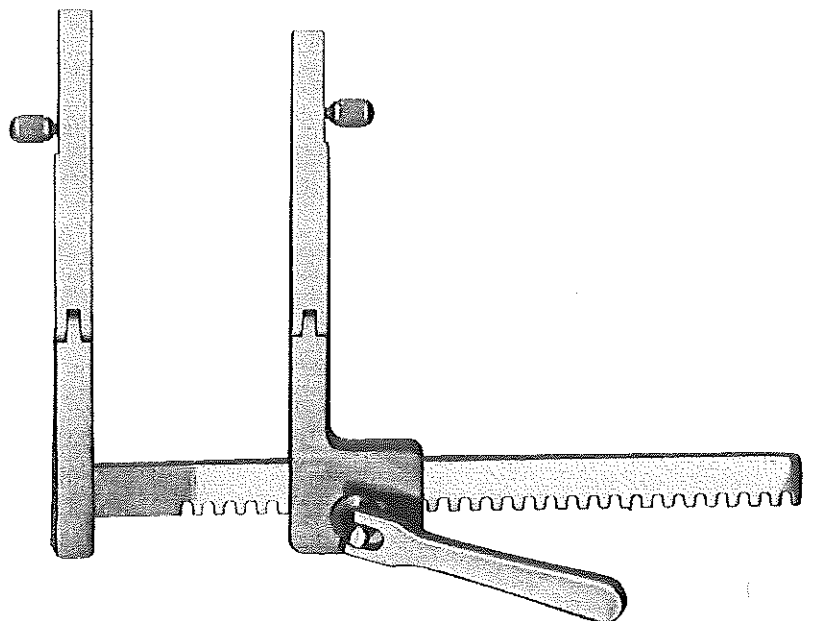
French Model Laminectomy Retractor

Detachable blades may be positioned within the wound site prior to frame attachment. Secure, blade lock feature avoids tedious wing nuts found on Scoville retractors. Sturdy rack and pinion construction. Prongs of opposing blades interdigitate upon closure.

- 74-3000 French Laminectomy Retractor Set, fixed arm frame with 6 blades, 1 ea. 74-3032, 74-3034, 74-3036, 74-3042, 74-3044, 74-3046
- 74-3005 Frame only, fixed arms



- 74-3010 French Laminectomy Retractor Set, hinged arm frame with 6 blades, 1 ea. 74-3032, 74-3034, 74-3036, 74-3042, 74-3044, 74-3046
- 74-3007 Frame only, hinged arms

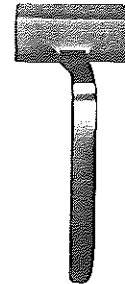


LUMBAR RETRACTORS

One Prong Blade

for French Laminectomy Retractor

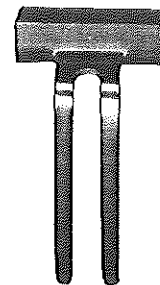
74-3012	45 x 5 mm
74-3014	60 x 5 mm
74-3016	75 x 5 mm
74-3017	85 x 5 mm



Two Prong Blade

for French Laminectomy Retractor

74-3022	45 x 15 mm
74-3024	60 x 15 mm
74-3026	75 x 15 mm
74-3027	85 x 15 mm



Three Prong Blade

for French Laminectomy Retractor

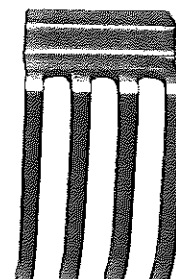
74-3032	45 x 25 mm
74-3034	60 x 25 mm
74-3036	75 x 25 mm
74-3037	85 x 25 mm



Four Prong Blade

for French Laminectomy Retractor

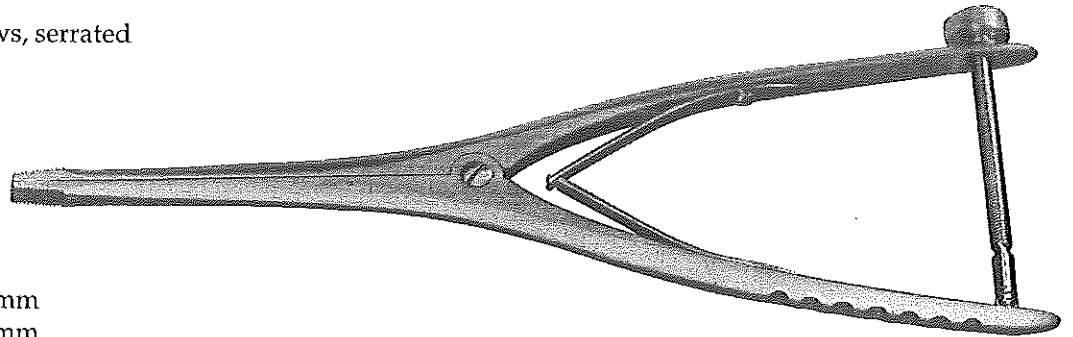
74-3042	45 x 40 mm
74-3044	60 x 40 mm
74-3046	75 x 40 mm
74-3047	85 x 40 mm



VERTEBRAL BODY SPREADERS

Vertebral Body Spreader

Straight shafts, 10 mm wide jaws, serrated

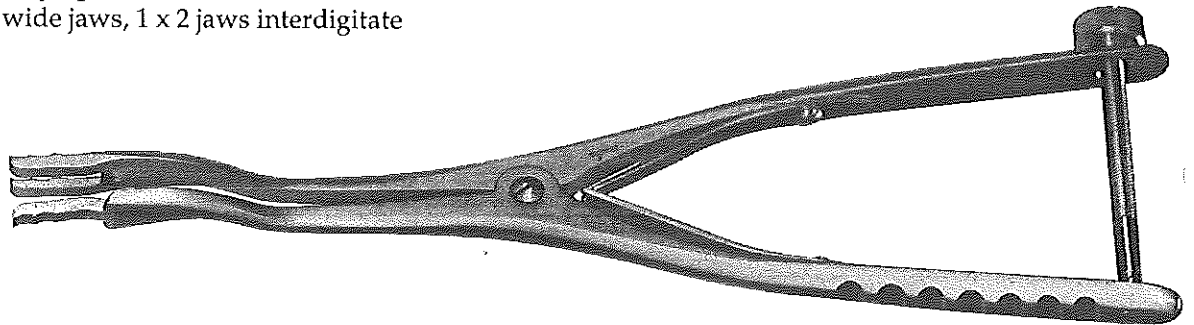


74-2741 overall length 270 mm

74-2743 overall length 330 mm

Bayonet Vertebral Body Spreader

Offset shafts, 13mm wide jaws, 1 x 2 jaws interdigitate

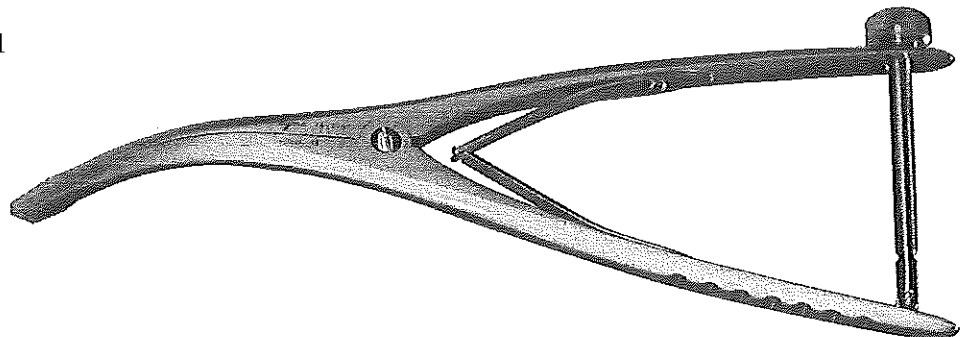


74-2745 overall length 280 mm

Modified Inge Lamina Spreader

(a.k.a. Scaglietti Lamina Spreader)

Curved shafts, 8 mm wide jaws, serrated

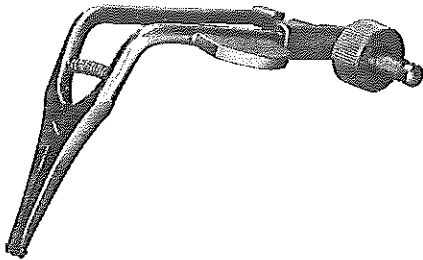


74-2747 overall length 240 mm

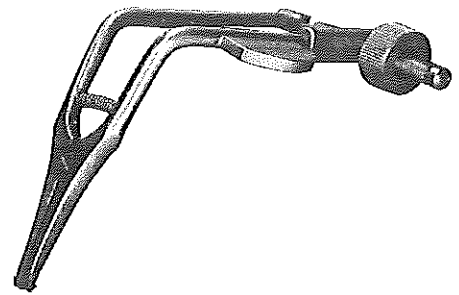
CERVICAL BODY SPREADERS

Cloward Anterior Cervical Spreader

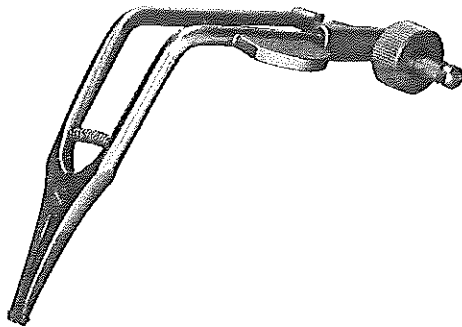
Threaded speed lock, serrated jaws, 3 mm



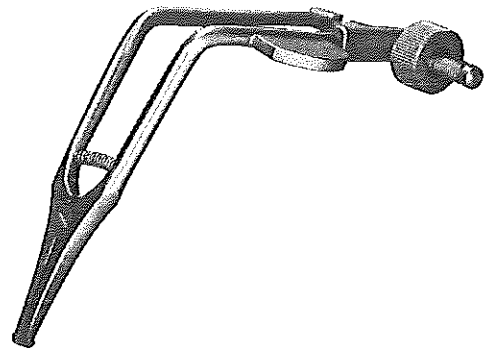
74-2754 65 mm depth



74-2756 75 mm depth



74-2758 85 mm depth

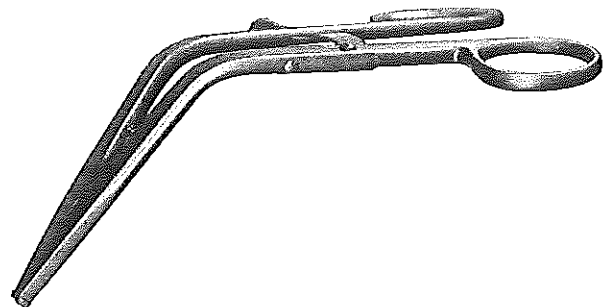


74-2760 95 mm depth

Classic Cloward Anterior Cervical Spreader

Ratchet lock, serrated jaws, 4 mm

4-3435 75 mm depth

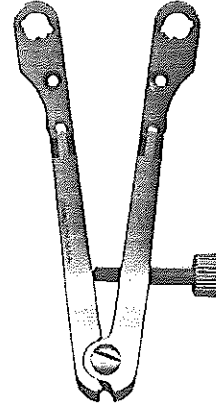


CERVICAL RETRACTORS

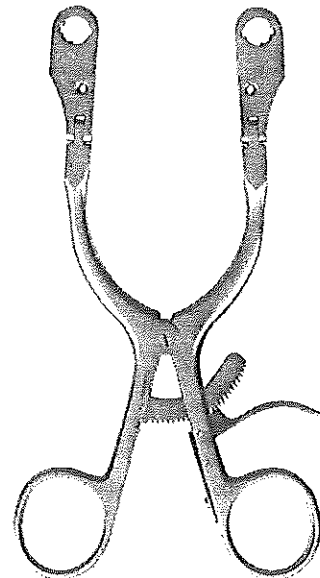
Caspar-style Retractor System

The Caspar System features three styles of retractor frames, each available with hinged arms. Interchangeable blades of assorted styles and sizes allow the surgeon a wide range of retraction options.

- 74-3106 Caspar Retractor Set, speculum frame, hinged arms, frame with 5 blades
- 74-3107 Caspar Retractor, speculum frame, hinged arms, frame only



- 74-3112 Caspar Retractor Set, Weitlaner frame, hinged arms, frame with 5 blades
- 74-3113 Caspar Retractor, Weitlaner frame, hinged arms, frame only



- 74-3117 Caspar Retractor Set, rack & pinion frame, hinged arms, frame with 10 blades
- 74-3118 Caspar Retractor, rack & pinion frame, hinged arms, frame only

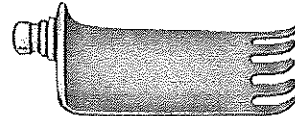


CERVICAL RETRACTORS

Long Tooth Blade

for Caspar Retractor

74-3121	20x40 mm
74-3122	20x45 mm
74-3123	20x50 mm
74-3124	20x55 mm
74-3125	20x60 mm



Short Tooth Blade

for Caspar Retractor

74-3131	20x40 mm
74-3132	20x45 mm
74-3133	20x50 mm
74-3134	20x55 mm
74-3135	20x60 mm



Smooth Blade

for Caspar Retractor

74-3141	20x45 mm
74-3142	20x50 mm
74-3143	20x55 mm
74-3144	20x60 mm
74-3145	20x65 mm



Single Prong Hook

for Caspar Retractor

74-3181	6x50 mm
74-3182	6x70 mm



Fusion Graft Blade

for Caspar Retractor

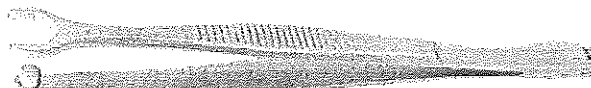
74-3191	25x50 mm
74-3192	25x60 mm



Blade Ejecting Forceps

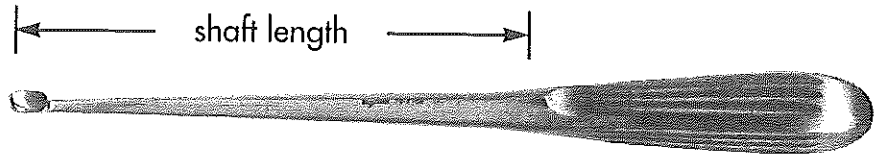
for Caspar Retractor

74-3199	115 mm length, flat handle
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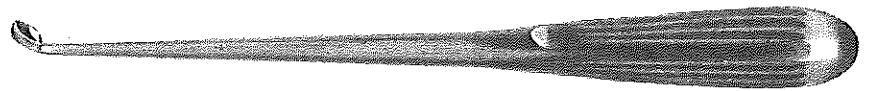


CURETTES

Spinal Fusion Curette
 Overall length 230 mm,
 hollow handle, oval cups



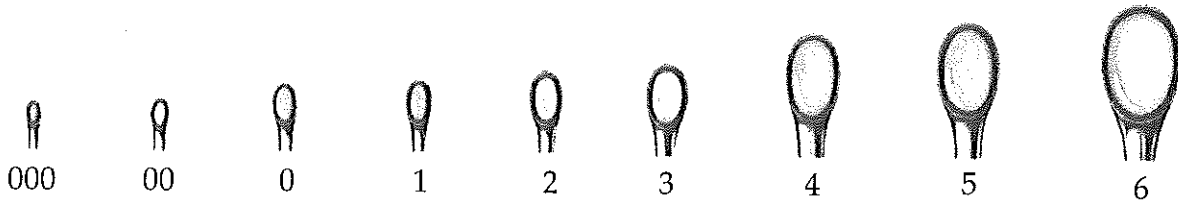
straight



angled forward



angled backward

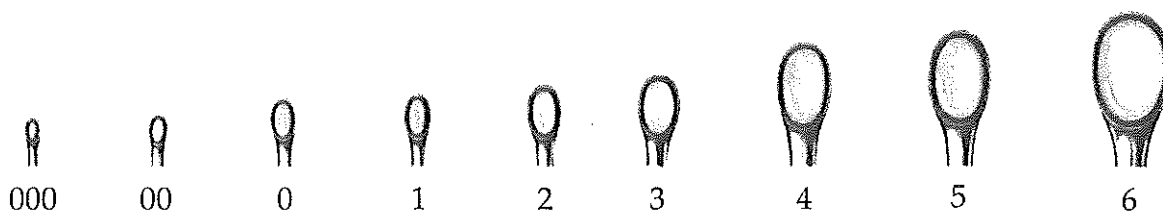
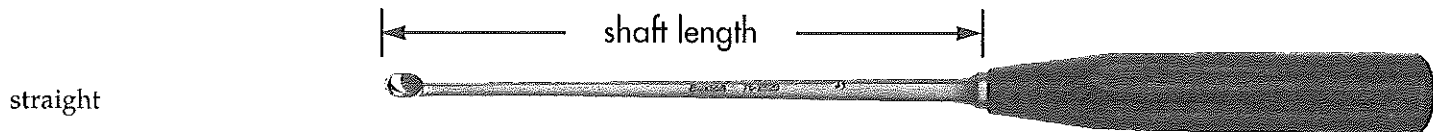


140 mm Shaft Length

		Straight	Forward	Backward
Cup Size	000	76-1161	76-1181	76-1191
	00	76-1162	76-1182	76-1192
	0	76-1163	76-1183	76-1193
	1	76-1164	76-1184	76-1194
	2	76-1165	76-1185	76-1195
	3	76-1166	76-1186	76-1196
	4	76-1167	76-1187	76-1197
	5	76-1168	76-1188	76-1198
	6	76-1169	76-1189	76-1199

CURETTES

Slim Grip Curette
 Overall length 270 mm,
 linen phenolic handle, oval cups



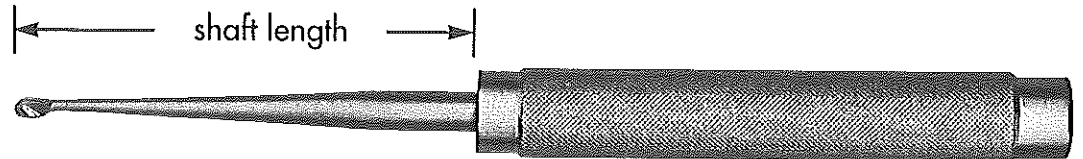
160 mm Shaft Length

	Straight	Angled	Angled Back
000	76-2720	76-2730	76-2735
00	76-2740	76-2750	76-2755
0	76-2760	76-2770	76-2775
1	76-2780	76-2790	76-2795
2	76-2800	76-2810	76-2815
3	76-2820	76-2830	76-2835
4	76-2840	76-2850	76-2855
5	76-2860	76-2870	76-2875
6	76-2880	76-2890	76-2895

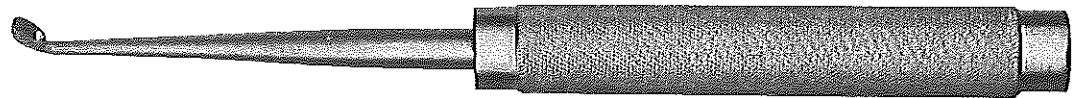
CURETTES

Cobb Curette

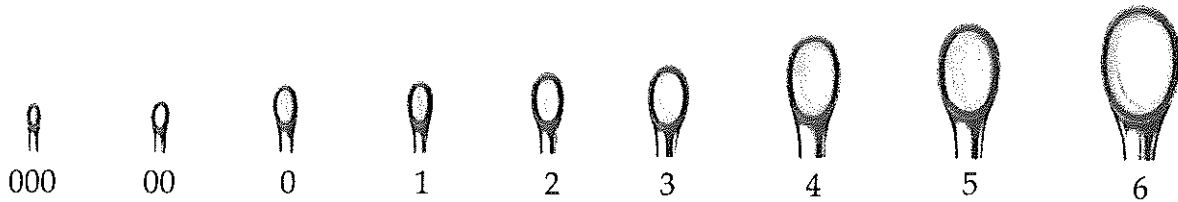
Overall length 280 mm,
Knurled handle, oval cups



straight



angled forward



125 mm Shaft Length

	Straight	Forward
Cup Size		
000	76-2610	76-2630
00	76-2611	76-2631
0	76-2612	76-2632
1	76-2613	76-2633
2	76-2614	76-2634
3	76-2615	76-2635
4	76-2616	76-2636
5	76-2617	76-2637
6	76-2618	76-2638

CURETTES

Anterior Discectomy Curette

Overall length 500 mm,
linen phenolic handle, various cups

- 76-7750 cup curette, #00, angled
- 76-7840 cup curette, #4, straight
- 76-7850 cup curette, #4, angled

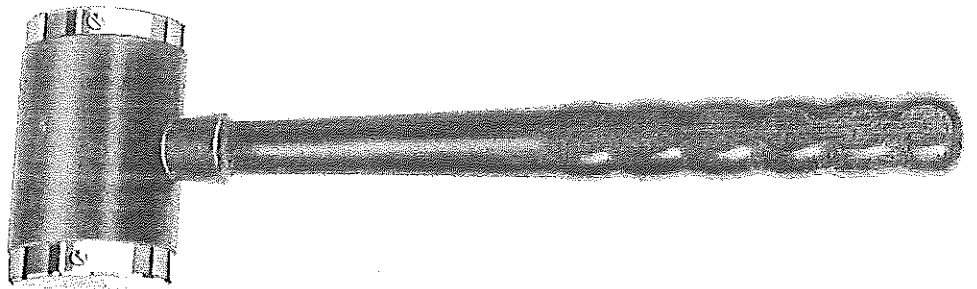
- 76-8407 ring curette, 7mm



MALLETS/TAMPS

Lead Filled Mallet

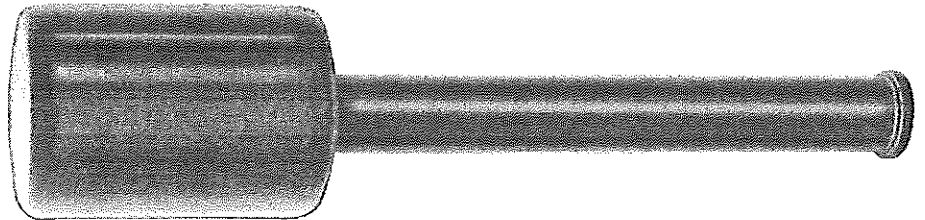
Overall length 260 mm, linen phenolic handle and casement, 42 mm diameter head with metal retaining rings



77-1042 400 grams

Cylindrical Mallet

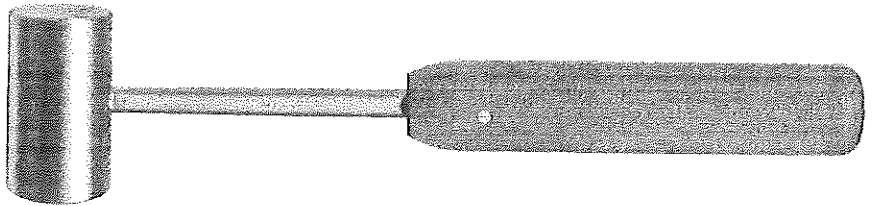
Overall length 240 mm, linen phenolic, 80 x 60 mm head coaxial with handle



77-1070 400 grams

Stainless Steel Mallet

Overall length 240 mm, 25 mm diameter head, linen phenolic handle



24-5919 300 grams

Bone Tamp

Overall length 280 mm, serrated head, linen phenolic handle



76-4806 6 mm diameter

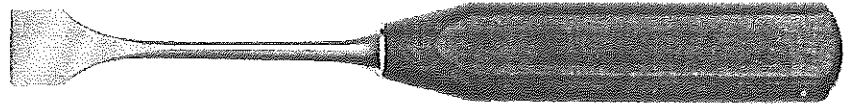
76-4808 8 mm diameter

OSTEOTOMES / GOUGES

Dahmen-Lexer Osteotome

Overall length 220 mm,
linen phenolic handle

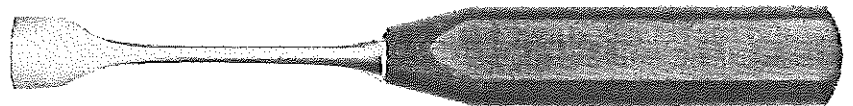
77-4005	5 mm
77-4007	7 mm
77-4010	10 mm
77-4015	15 mm
77-4020	20 mm
77-4025	25 mm
77-4030	30 mm



Dahmen-Lexer Gouge

Overall length 220 mm,
linen phenolic handle

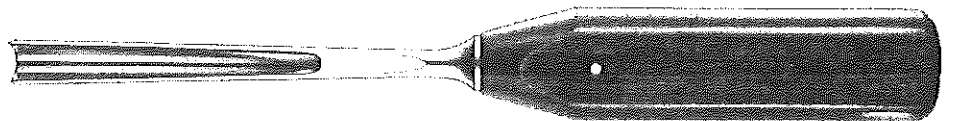
77-4205	5 mm
77-4207	7 mm
77-4210	10 mm
77-4215	15 mm
77-4220	20 mm
77-4225	25 mm
77-4230	30 mm



Spongiosa Gouge

Overall length 250 mm,
bevel on outside
linen phenolic handle

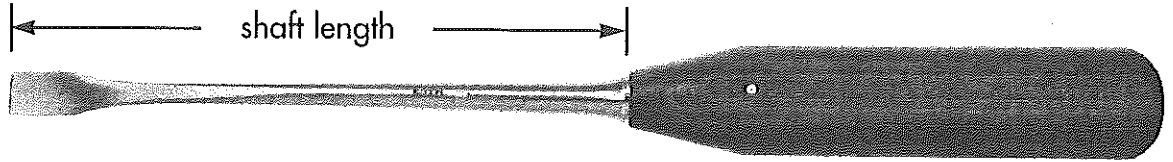
77-4605	straight, 5 mm
77-4610	straight, 10 mm
77-4615	straight, 15 mm
77-4705	curved, 5 mm
77-4710	curved, 10 mm
7-4715	curved, 15 mm



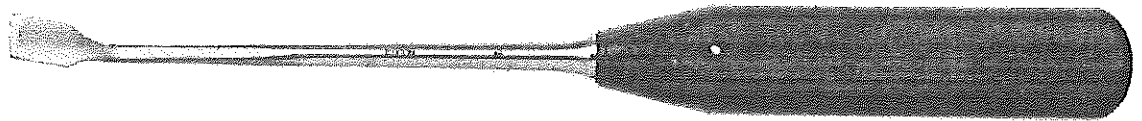
OSTEOTOMES / GOUGES

Dahmen Osteotome

Overall length 300 mm,
linen phenolic handle



straight



angled

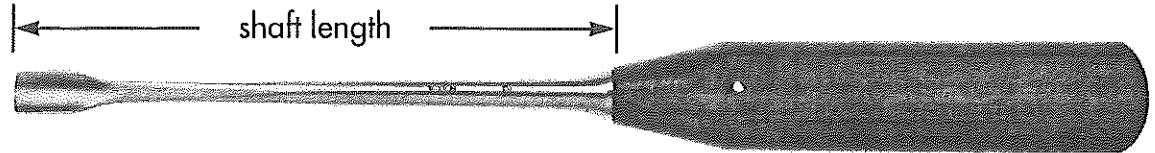
180 mm Shaft Length

	Straight	Angled
4 mm	77-1104	77-1504
5 mm	77-1105	77-1505
6 mm	77-1106	77-1506
8 mm	77-1108	77-1508
10 mm	77-1110	77-1510
12 mm	77-1112	77-1512
15 mm	77-1115	77-1515
20 mm	77-1120	77-1520
22 mm	77-1122	77-1522
25 mm	77-1125	77-1525

OSTEOTOMES / GOUGES

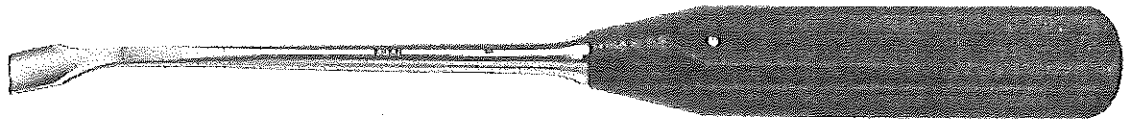
Dahmen Gouge

Overall length 300 mm,
linen phenolic handle

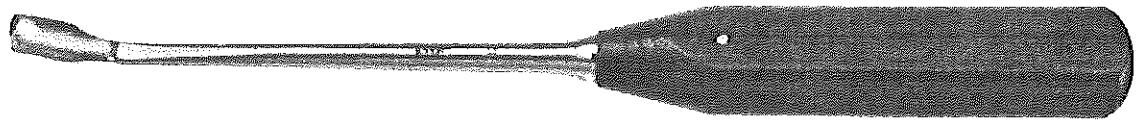


straight

angled backward



angled forward



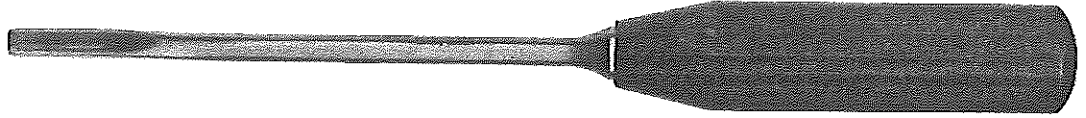
180 mm Shaft Length			
	Straight	Backward	Forward
4 mm	77-2004	77-2204	77-2504
5 mm	77-2005	77-2205	77-2505
6 mm	77-2006	77-2206	77-2506
8 mm	77-2008	77-2208	77-2508
10 mm	77-2010	77-2210	77-2510
12 mm	77-2012	77-2212	77-2512
15 mm	77-2015	77-2215	77-2515
20 mm	77-2020	77-2220	77-2520
22 mm	77-2022	77-2222	77-2522
25 mm	77-2025	77-2225	77-2525

Blade Width

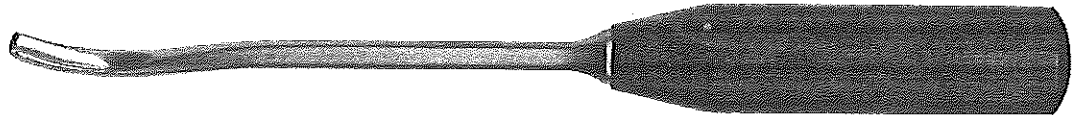
OSTEOTOMES / GOUGES

Cobb Gouge

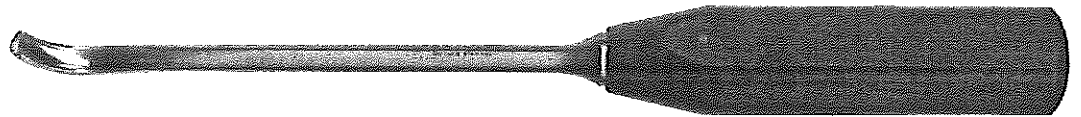
Overall length 280 mm,
linen phenolic handle,
blade 8 mm wide



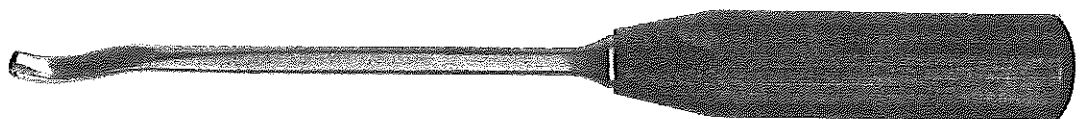
77-3450 straight



77-3451 light curve



77-3452 strong curve



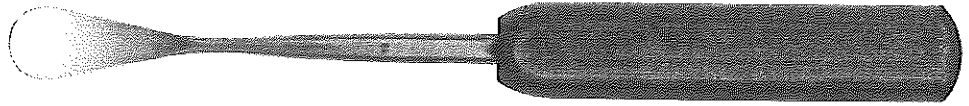
77-3453 retro curve

ELEVATORS

Cobb Elevator

Overall length 250 mm, semi-sharp,
light curve, linen phenolic handle

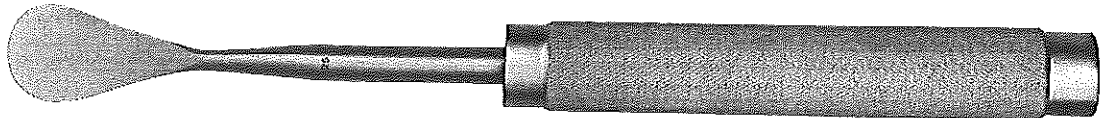
77-3460	10 mm wide
77-3461	13 mm wide
77-3462	19 mm wide
77-3463	25 mm wide



Cobb Elevator

Overall length 280 mm, semi-sharp,
light curve, knurled metal handle

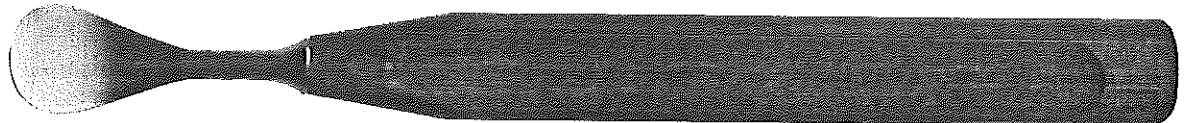
78-3460	10 mm wide
78-3461	13 mm wide
78-3462	19 mm wide
78-3463	25 mm wide
78-3465	32 mm wide



Modified Cobb Elevator

Overall length 310 mm, semi-sharp, light
curve, extra long linen phenolic handle

77-7461	13 mm wide
77-7462	19 mm wide
77-7463	25 mm wide
77-7465	30 mm wide



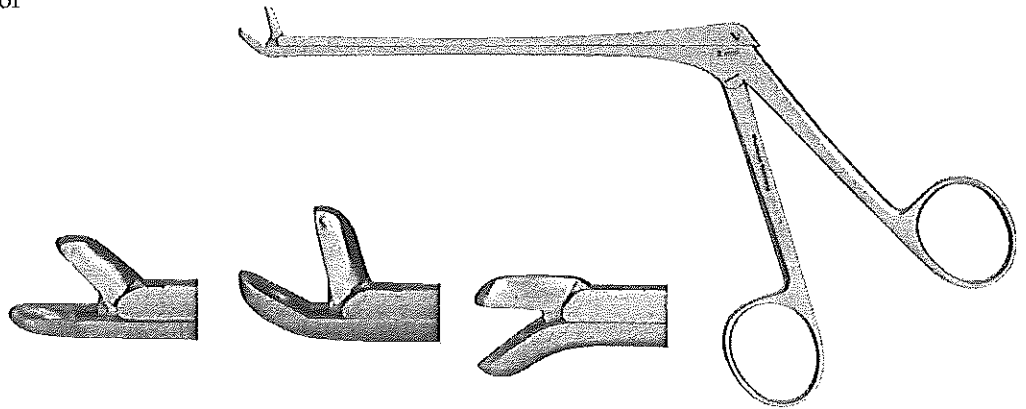
IVD RONGEURS

Peapod Rongeur

Various shaft lengths, straight, up or down biting, 6 mm long jaws

“Bulldog” jaws and stout construction allow this rugged rongeur to cut through tissue that might overwhelm its larger, longer jawed brethren.

Originally available only as an up biter, Buxton now offers straight ahead jaws and down biters as well.

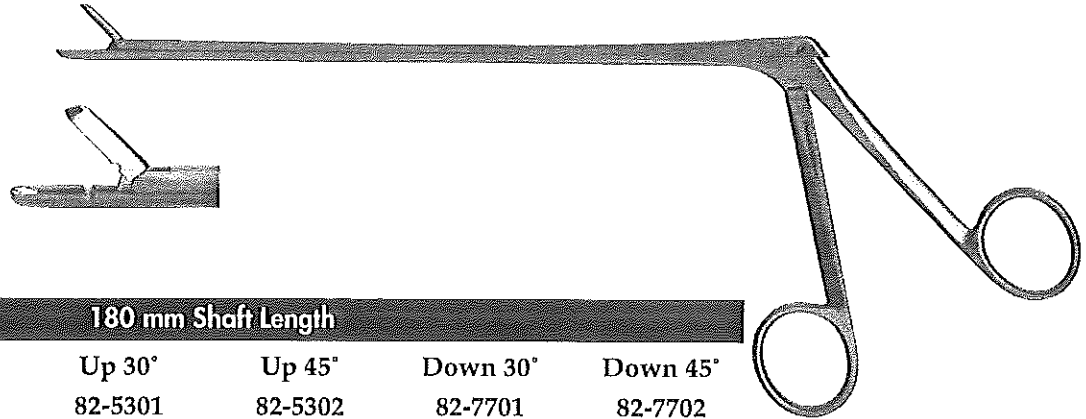


140 mm Shaft Length				
		Straight	Up 30°	Down 30°
Bite Width	1.0 mm	83-7841	83-7801	83-7871
	1.5 mm	83-7842	83-7802	83-7872
	2.0 mm	83-7843	83-7803	83-7873
	2.5 mm	83-7844	83-7804	83-7874
	3.0 mm	83-7845	83-7805	83-7875
	4.0 mm	83-7846	83-7806	83-7876

180 mm Shaft Length				
		Straight	Up 30°	Down 30°
Bite Width	1.0 mm	83-7861	83-7821	83-7891
	1.5 mm	83-7862	83-7822	83-7892
	2.0 mm	83-7863	83-7823	83-7893
	2.5 mm	83-7864	83-7824	83-7894
	3.0 mm	83-7865	83-7825	83-7895
	4.0 mm	83-7866	83-7826	83-7896

IVD RONGEURS

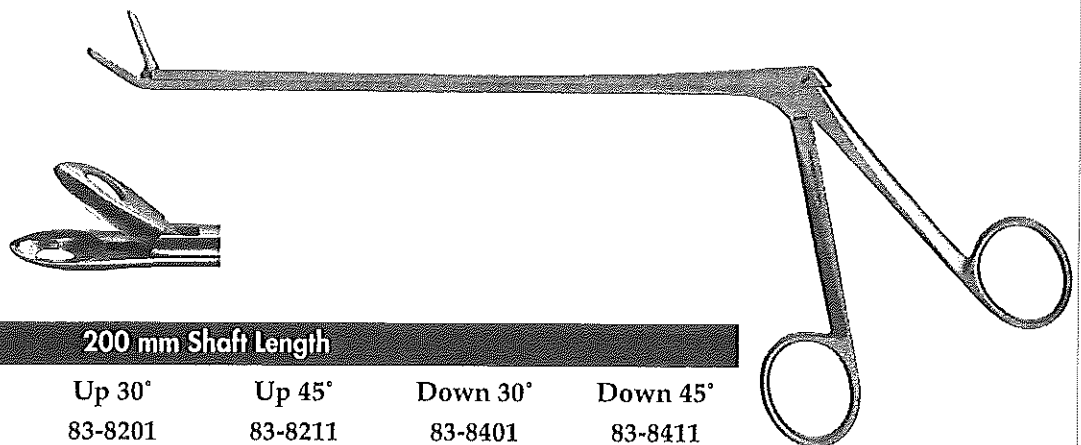
Gruenwald IVD Rongeur
Various shaft lengths,
straight, up or down biting



		180 mm Shaft Length					
		Straight	Up 30°	Up 45°	Down 30°	Down 45°	
Bite Width	1.5 mm	82-2901	82-5301	82-5302	82-7701	82-7702	
	2.0 mm	82-3001	82-5401	82-5402	82-7801	82-7802	
	3.0 mm	82-3201	82-5601	82-5602	82-8001	82-8002	
	4.0 mm	82-3601	82-6001	82-6002	82-8401	82-8402	

		200 mm Shaft Length					
		Straight	Up 30°	Up 45°	Down 30°	Down 45°	
Bite Width	1.5 mm	83-0101	83-2501	83-2502	83-4901	83-4902	
	2.0 mm	83-0201	83-2601	83-2602	83-5001	83-5002	
	3.0 mm	83-0401	83-2801	83-2802	83-5201	83-5202	
	4.0 mm	83-0801	83-3201	83-3202	83-5601	83-5602	

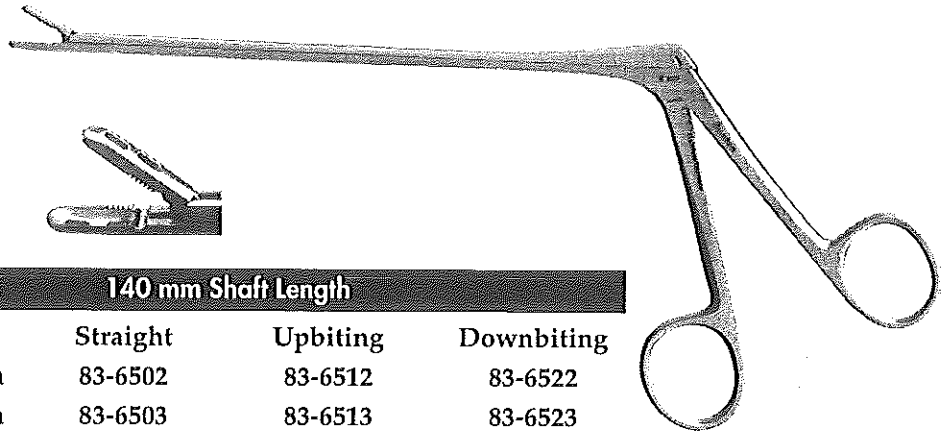
Weil-Blakesley Disc Rongeur
Various shaft lengths,
straight, up or down biting,
fenestrated jaws



		200 mm Shaft Length					
		Straight	Up 30°	Up 45°	Down 30°	Down 45°	
Bite Width	2.5 mm	83-8001	83-8201	83-8211	83-8401	83-8411	
	3.0 mm	83-8002	83-8202	83-8221	83-8402	83-8421	
	4.0 mm	83-8004	83-8204	83-8241	83-8404	83-8441	
	4.5 mm	83-8005	83-8205	83-8251	83-8405	83-8451	
	5.0 mm	83-8006	83-8206	83-8261	83-8406	83-8461	

IVD RONGEURS

Caspar-style IVD Rongeur
 Various shaft lengths,
 straight, up or down biting,
 double fenestrated jaws with teeth



140 mm Shaft Length

		Straight	Upbiting	Downbiting
Bite Width	2.0 mm	83-6502	83-6512	83-6522
	3.0 mm	83-6503	83-6513	83-6523
	4.0 mm	83-6504	83-6514	83-6524
	5.0 mm	83-6505	83-6515	83-6525
	6.0 mm	83-6506	83-6516	83-6526

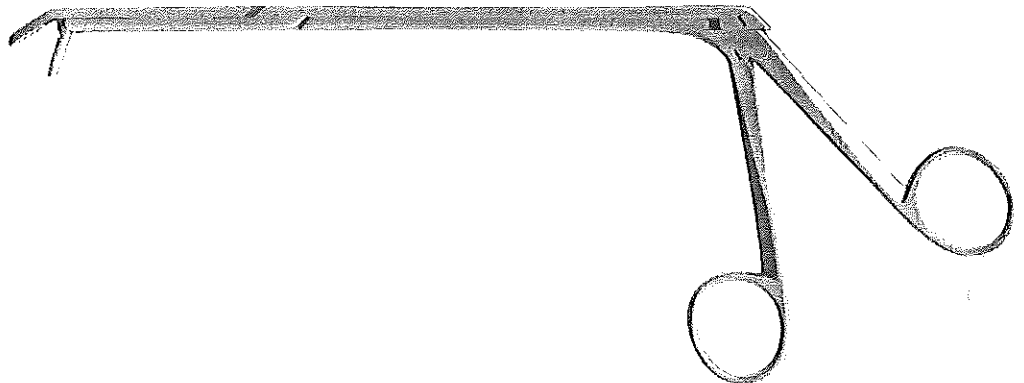
160 mm Shaft Length

		Straight	Upbiting	Downbiting
Bite Width	2.0 mm	83-6532	83-6542	83-6552
	3.0 mm	83-6533	83-6543	83-6553
	4.0 mm	83-6534	83-6544	83-6554
	5.0 mm	83-6535	83-6545	83-6555
	6.0 mm	83-6536	83-6546	83-6556

180 mm Shaft Length

		Straight	Upbiting	Downbiting
Bite Width	2.0 mm	83-6562	83-6572	83-6582
	3.0 mm	83-6563	83-6573	83-6583
	4.0 mm	83-6564	83-6574	83-6584
	5.0 mm	83-6565	83-6575	83-6585
	6.0 mm	83-6566	83-6576	83-6586

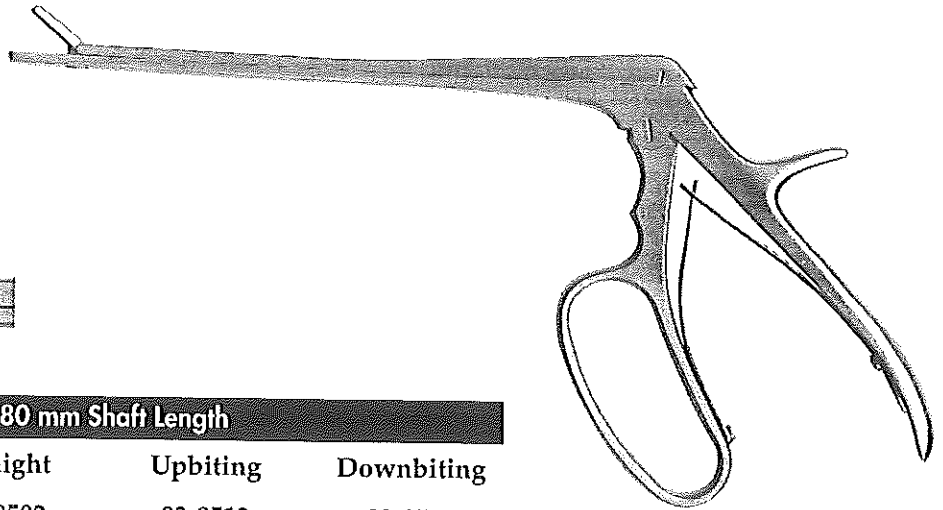
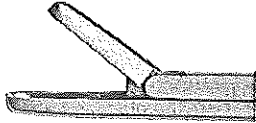
Caspar-style IVD Rongeur
 200 mm shaft length, solid cups,
 lower jaw articulates for true
 "down biting"



- 83-7252 2.0 mm
- 83-7253 3.0 mm
- 83-7254 4.0 mm

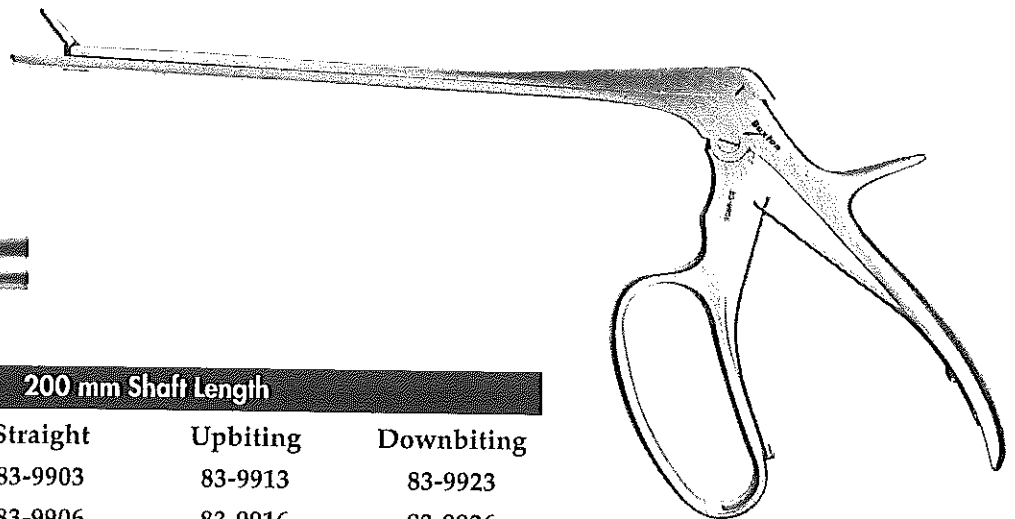
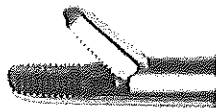
IVD RONGEURS

Ferris-Smith Rongeur
180 mm shaft length,
straight, up or down biting



180 mm Shaft Length				
		Straight	Upbiting	Downbiting
Bite Width	2.0 mm	83-8502	83-8512	83-8522
	3.0 mm	83-8602	83-8612	83-8622
	4.0 mm	83-8802	83-8812	83-8822
	6.0 mm	83-9002	83-9012	83-9022

Cloward Rongeur
200 mm shaft length,
straight, up or down biting,
serrated cups

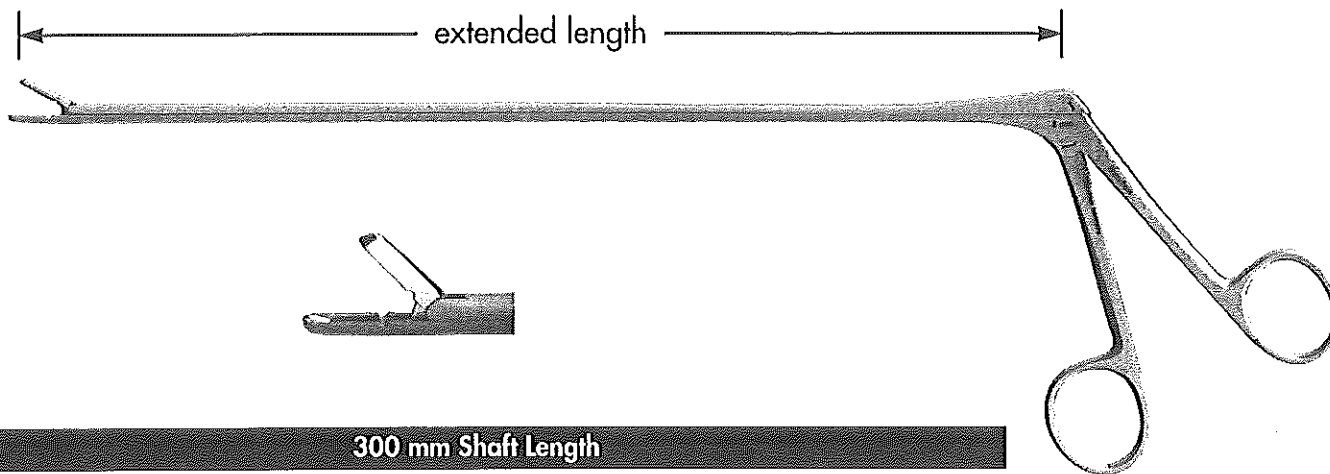


200 mm Shaft Length				
		Straight	Upbiting	Downbiting
Bite Width	4.0 mm	83-9903	83-9913	83-9923
	6.0 mm	83-9906	83-9916	83-9926

SPECIALTY RONGEURS

Anterior IVD Rongeur

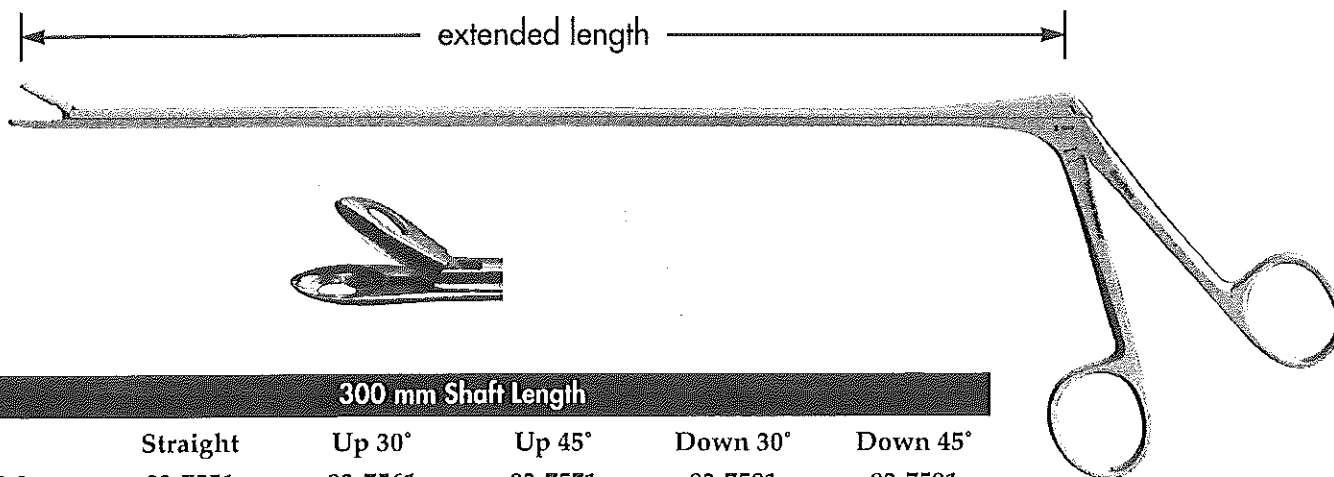
300 mm shaft length,
straight, up biting or down biting



		300 mm Shaft Length				
Bite Width		Straight	Up 30°	Up 45°	Down 30°	Down 45°
	3.0 mm	83-7451	83-7461	83-7471	83-7481	83-7491
	4.0 mm	83-7452	83-7462	83-7472	83-7482	83-7492
	5.0 mm	83-7453	83-7463	83-7473	83-7483	83-7493

Anterior Weil-Blakesley Rongeur

300 mm shaft length,
straight, up biting or down biting,
fenestrated jaws

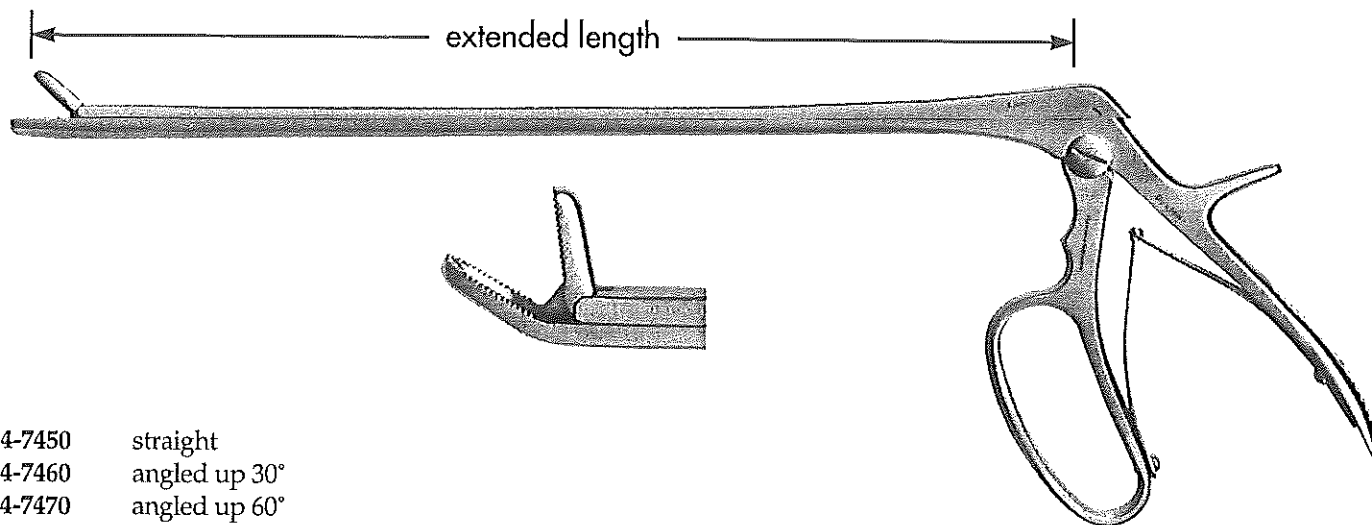


		300 mm Shaft Length				
Bite Width		Straight	Up 30°	Up 45°	Down 30°	Down 45°
	3.0 mm	83-7551	83-7561	83-7571	83-7581	83-7591
	4.0 mm	83-7552	83-7562	83-7572	83-7582	83-7592
	5.0 mm	83-7553	83-7563	83-7573	83-7583	83-7593

SPECIALTY RONGEURS

Extraordinary IVD Rongeur

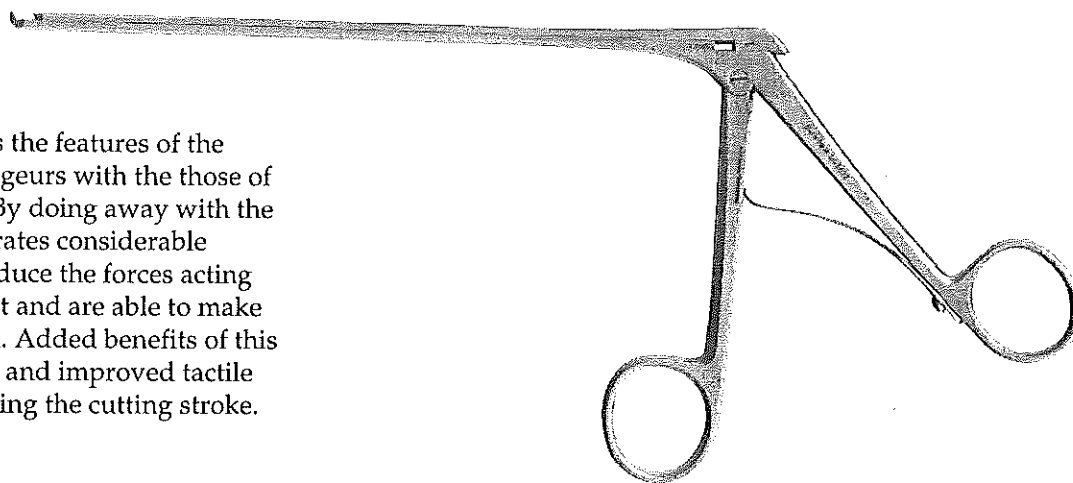
300 mm shaft length, heavy pattern,
straight or up biting,
8 mm serrated cup



- 84-7450 straight
- 84-7460 angled up 30°
- 84-7470 angled up 60°

Micro-Laminectomy Punch

200 mm shaft length,
up or down cutting, right angle or
forward angle jaws, 1 mm bite



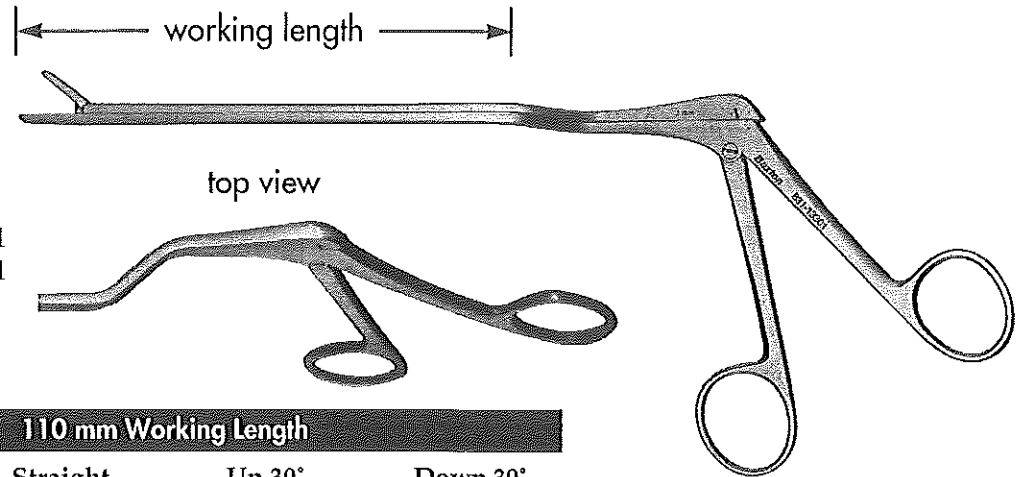
Buxton's Micro-Punch blends the features of the already familiar pituitary rongeurs with the those of conventional bone punches. By doing away with the Kerrison handle, which generates considerable mechanical advantage, we reduce the forces acting upon the tip of the instrument and are able to make the footplate particularly thin. Added benefits of this design include lighter weight and improved tactile feedback for the operator during the cutting stroke.

- 84-3631 up 90°
- 84-3632 up 40°
- 84-3633 down 90°
- 84-3634 down 40°

SPECIALTY RONGEURS

Right-Handed IVD Rongeur

Bayonet shaft in various lengths,
straight, up or down biting



The shaft is offset laterally to provide right handed surgeons with improved visualization when working in a small incision or under a microscope.

110 mm Working Length

		Straight	Up 30°	Down 30°
Bite Width	1.5 mm	831-111-15	831-112-15	831-114-15
	2.0 mm	831-111-20	831-112-20	831-114-20
	3.0 mm	831-111-30	831-112-30	831-114-30
	4.0 mm	831-111-40	831-112-40	831-114-40

130 mm Working Length

		Straight	Up 30°	Down 30°
Bite Width	1.5 mm	831-131-15	831-132-15	831-134-15
	2.0 mm	831-131-20	831-132-20	831-134-20
	3.0 mm	831-131-30	831-132-30	831-134-30
	4.0 mm	831-131-40	831-132-40	831-134-40

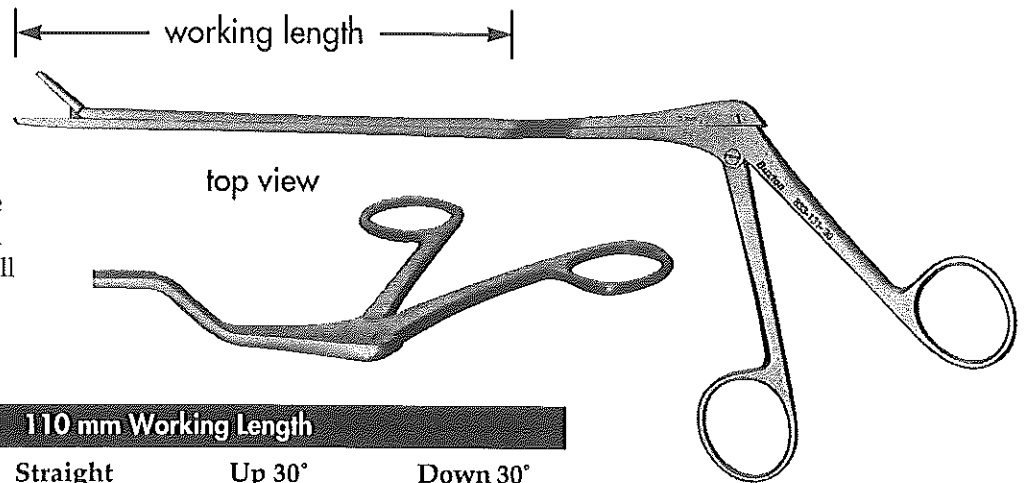
160 mm Working Length

		Straight	Up 30°	Down 30°
Bite Width	1.5 mm	831-161-15	831-162-15	831-164-15
	2.0 mm	831-161-20	831-162-20	831-164-20
	3.0 mm	831-161-30	831-162-30	831-164-30
	4.0 mm	831-161-40	831-162-40	831-164-40

SPECIALTY RONGEURS

Left-Handed IVD Rongeur

Bayonet shaft in various lengths,
straight, up or down biting



The shaft is offset laterally to provide left handed surgeons with improved visualization when working in a small incision or under a microscope.

110 mm Working Length

		Straight	Up 30°	Down 30°
Bite Width	1.5 mm	833-111-15	833-112-15	833-114-15
	2.0 mm	833-111-20	833-112-20	833-114-20
	3.0 mm	833-111-30	833-112-30	833-114-30
	4.0 mm	833-111-40	833-112-40	833-114-40

130 mm Working Length

		Straight	Up 30°	Down 30°
Bite Width	1.5 mm	833-131-15	833-132-15	833-134-15
	2.0 mm	833-131-20	833-132-20	833-134-20
	3.0 mm	833-131-30	833-132-30	833-134-30
	4.0 mm	833-131-40	833-132-40	833-134-40

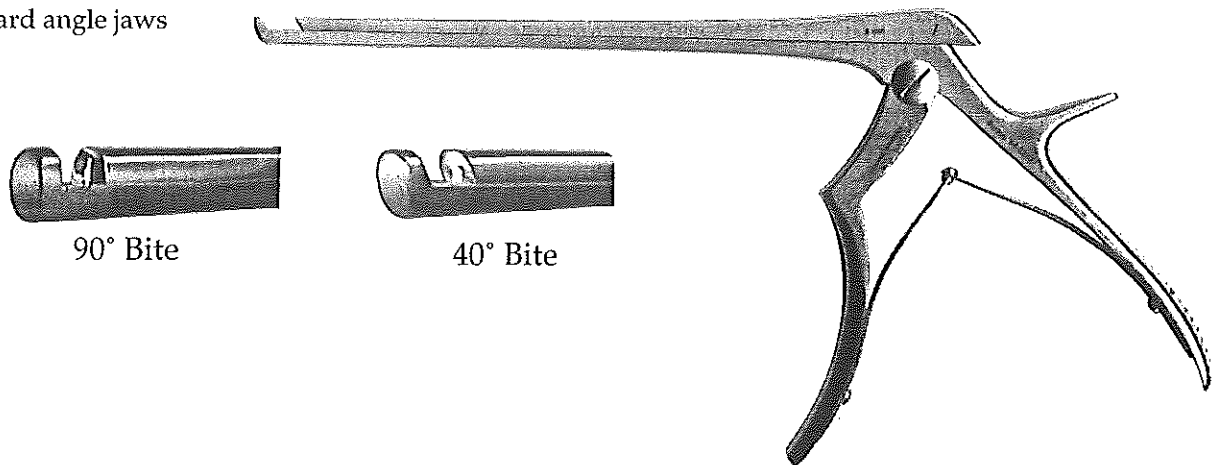
160 mm Working Length

		Straight	Up 30°	Down 30°
Bite Width	1.5 mm	833-161-15	833-162-15	833-164-15
	2.0 mm	833-161-20	833-162-20	833-164-20
	3.0 mm	833-161-30	833-162-30	833-164-30
	4.0 mm	833-161-40	833-162-40	833-164-40

LAMINECTOMY PUNCHES

Small Handle Kerrison Punch

Various shaft lengths,
up or down cutting,
right angle or forward angle jaws



180 mm Shaft Length

		Up 90°	Up 40°	Down 90°	Down 40°
Bite Width	1.0 mm	84-3011	84-3012	84-3013	84-3014
	2.0 mm	84-3021	84-3022	84-3023	84-3024
	3.0 mm	84-3031	84-3032	84-3033	84-3034
	4.0 mm	84-3041	84-3042	84-3043	84-3044
	5.0 mm	84-3051	84-3052	84-3053	84-3054
	6.0 mm	84-3061	84-3062	84-3063	84-3064

200 mm Shaft Length

		Up 90°	Up 40°	Down 90°	Down 40°
Bite Width	1.0 mm	84-3211	84-3212	84-3213	84-3214
	2.0 mm	84-3221	84-3222	84-3223	84-3224
	3.0 mm	84-3231	84-3232	84-3233	84-3234
	4.0 mm	84-3241	84-3242	84-3243	84-3244
	5.0 mm	84-3251	84-3252	84-3253	84-3254
	6.0 mm	84-3261	84-3262	84-3263	84-3264

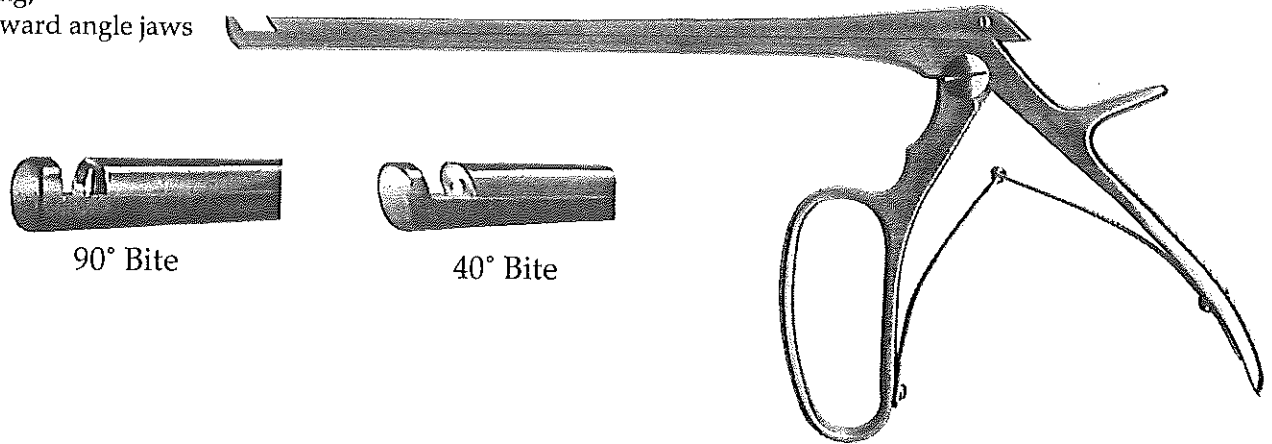
230 mm Shaft Length

		Up 90°	Up 40°	Down 90°	Down 40°
Bite Width	1.0 mm	84-3411	84-3412	84-3413	84-3414
	2.0 mm	84-3421	84-3422	84-3423	84-3424
	3.0 mm	84-3431	84-3432	84-3433	84-3434
	4.0 mm	84-3441	84-3442	84-3443	84-3444
	5.0 mm	84-3451	84-3452	84-3453	84-3454
	6.0 mm	84-3461	84-3462	84-3463	84-3464

LAMINECTOMY PUNCHES

Ferris-Smith Handle Kerrison Punch

Various shaft lengths,
up or down cutting,
right angle or forward angle jaws



180 mm Shaft Length					
		Up 90°	Up 40°	Down 90°	Down 40°
Bite Width	1.0 mm	84-4011	84-4012	84-4013	84-4014
	2.0 mm	84-4021	84-4022	84-4023	84-4024
	3.0 mm	84-4031	84-4032	84-4033	84-4034
	4.0 mm	84-4041	84-4042	84-4043	84-4044
	5.0 mm	84-4051	84-4052	84-4053	84-4054
	6.0 mm	84-4061	84-4062	84-4063	84-4064

200 mm Shaft Length					
		Up 90°	Up 40°	Down 90°	Down 40°
Bite Width	1.0 mm	84-4211	84-4212	84-4213	84-4214
	2.0 mm	84-4221	84-4222	84-4223	84-4224
	3.0 mm	84-4231	84-4232	84-4233	84-4234
	4.0 mm	84-4241	84-4242	84-4243	84-4244
	5.0 mm	84-4251	84-4252	84-4253	84-4254
	6.0 mm	84-4261	84-4262	84-4263	84-4264

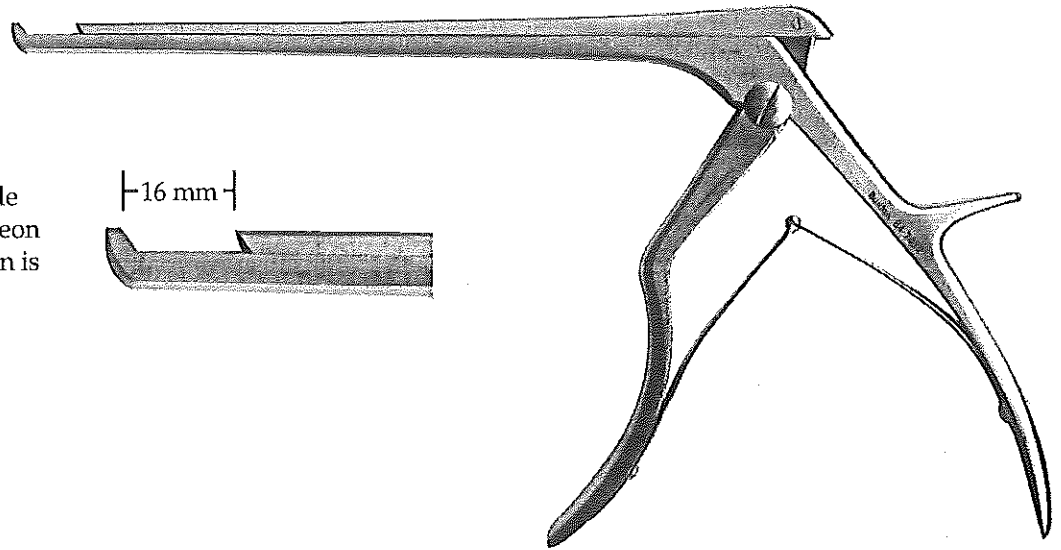
230 mm Shaft Length					
		Up 90°	Up 40°	Down 90°	Down 40°
Bite Width	1.0 mm	84-4411	84-4412	84-4413	84-4414
	2.0 mm	84-4421	84-4422	84-4423	84-4424
	3.0 mm	84-4431	84-4432	84-4433	84-4434
	4.0 mm	84-4441	84-4442	84-4443	84-4444
	5.0 mm	84-4451	84-4452	84-4453	84-4454
	6.0 mm	84-4461	84-4462	84-4463	84-4464

SPECIALTY PUNCHES

Large Handle Kerrison Punch

Various shaft lengths,
up or down cutting,
right angle or forward angle jaws

Large Handle Kerrisons feature wide opening jaws, which allow the surgeon to cut more bone in a single bite than is possible with a standard opening Kerrison.



200 mm Shaft Length					
		Up 90°	Up 40°	Down 90°	Down 40°
Bite Width	2.0 mm	84-2221	84-2222	84-2223	84-2224
	3.0 mm	84-2231	84-2232	84-2233	84-2234
	4.0 mm	84-2241	84-2242	84-2243	84-2244
	5.0 mm	84-2251	84-2252	84-2253	84-2254
	6.0 mm	84-2261	84-2262	84-2263	84-2264

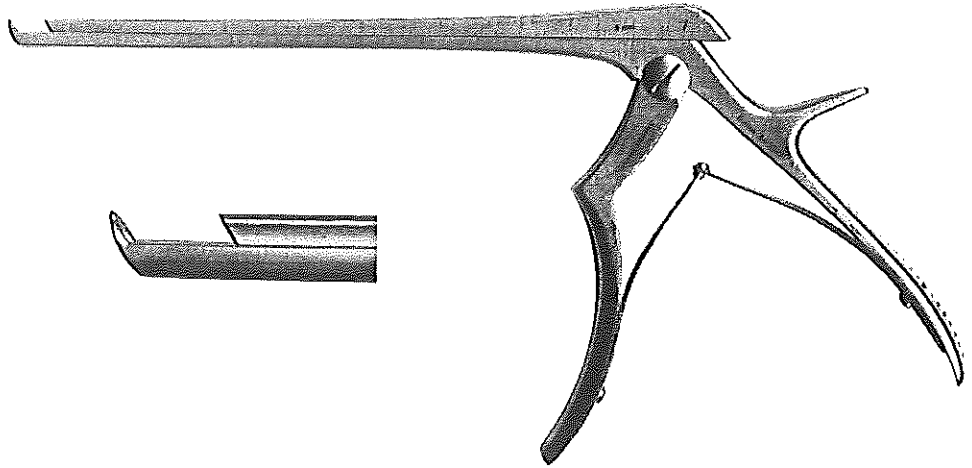
230 mm Shaft Length					
		Up 90°	Up 40°	Down 90°	Down 40°
Bite Width	2.0 mm	84-2421	84-2422	84-2423	84-2424
	3.0 mm	84-2431	84-2432	84-2433	84-2434
	4.0 mm	84-2441	84-2442	84-2443	84-2444
	5.0 mm	84-2451	84-2452	84-2453	84-2454
	6.0 mm	84-2461	84-2462	84-2463	84-2464

SPECIALTY PUNCHES

Cervical Laminectomy Punch

Various shaft lengths,
up or down cutting,
right angle or forward angle jaws,
thin footplate

Buxton's Cervical Laminectomy Punches have thinner footplates than our standard Kerrisons. Tips are shaved down to be as thin as possible, without jeopardizing durability. As with any precision instrument, care should be used not to apply closing or twisting forces which would exceed the limits of the design.



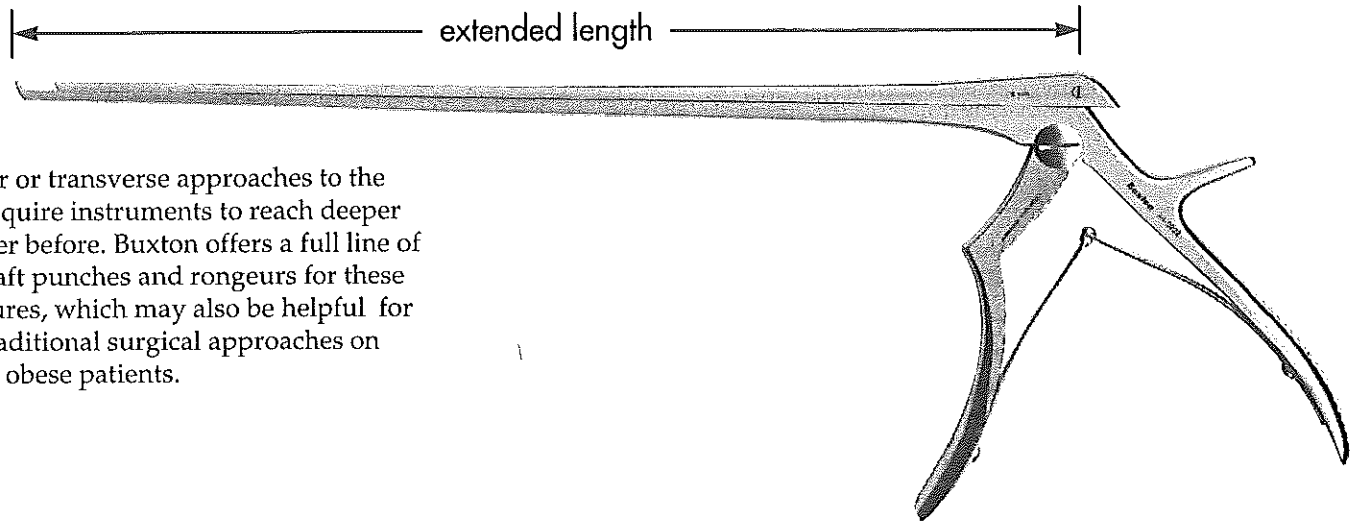
200 mm Shaft Length					
		Up 90°	Up 40°	Down 90°	Down 40°
Bite Width	1.0 mm	84-5211	84-5212	84-5213	84-5214
	2.0 mm	84-5221	84-5222	84-5223	84-5224
	3.0 mm	84-5231	84-5232	84-5233	84-5234
	4.0 mm	84-5241	84-5242	84-5243	84-5244
	5.0 mm	84-5251	84-5252	84-5253	84-5254

230 mm Shaft Length					
		Up 90°	Up 40°	Down 90°	Down 40°
Bite Width	1.0 mm	84-5411	84-5412	84-5413	84-5414
	2.0 mm	84-5421	84-5422	84-5423	84-5424
	3.0 mm	84-5431	84-5432	84-5433	84-5434
	4.0 mm	84-5441	84-5442	84-5443	84-5444
	5.0 mm	84-5451	84-5452	84-5453	84-5454

SPECIALTY PUNCHES

Anterior Kerrison Punch

Small handle, various shaft lengths,
up or down cutting,
right angle or forward angle jaws



Anterior or transverse approaches to the spine require instruments to reach deeper than ever before. Buxton offers a full line of long shaft punches and rongeurs for these procedures, which may also be helpful for more traditional surgical approaches on large or obese patients.

250 mm Shaft Length

		Up 90°	Up 40°	Down 90°	Down 40°
Bite Width	2.0 mm	84-3521	84-3522	84-3523	84-3524
	3.0 mm	84-3531	84-3532	84-3533	84-3534
	4.0 mm	84-3541	84-3542	84-3543	84-3544
	5.0 mm	84-3551	84-3552	84-3553	84-3554
	6.0 mm	84-3561	84-3562	84-3563	84-3564

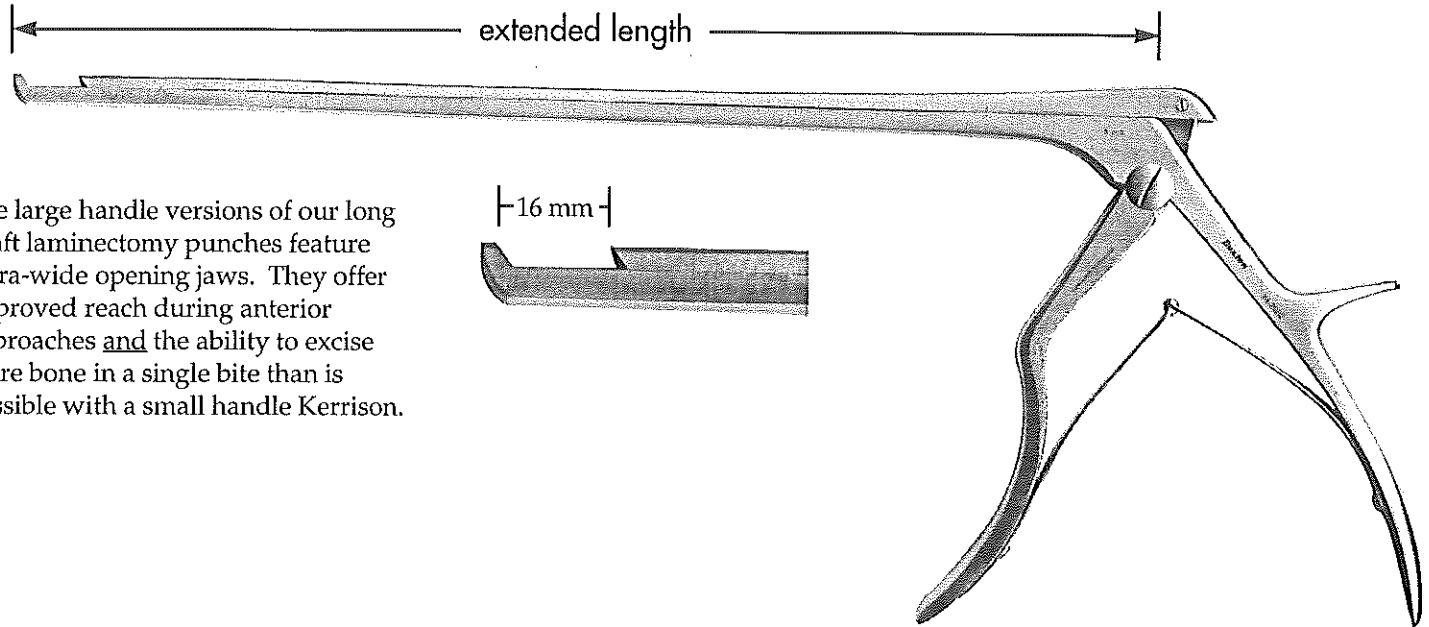
280 mm Shaft Length

		Up 90°	Up 40°	Down 90°	Down 40°
Bite Width	2.0 mm	84-3921	84-3922	84-3923	84-3924
	3.0 mm	84-3931	84-3932	84-3933	84-3934
	4.0 mm	84-3941	84-3942	84-3943	84-3944
	5.0 mm	84-3951	84-3952	84-3953	84-3954
	6.0 mm	84-3961	84-3962	84-3963	84-3964

SPECIALTY PUNCHES

Anterior Kerrison Punch

Large handle, various shaft lengths,
up or down cutting,
right angle or forward angle jaws



The large handle versions of our long shaft laminectomy punches feature extra-wide opening jaws. They offer improved reach during anterior approaches and the ability to excise more bone in a single bite than is possible with a small handle Kerrison.

250 mm Shaft Length

		Up 90°	Up 40°	Down 90°	Down 40°
Bite Width	2.0 mm	84-2521	84-2522	84-2523	84-2524
	3.0 mm	84-2531	84-2532	84-2533	84-2534
	4.0 mm	84-2541	84-2542	84-2543	84-2544
	5.0 mm	84-2551	84-2552	84-2553	84-2554
	6.0 mm	84-2561	84-2562	84-2563	84-2564

300 mm Shaft Length

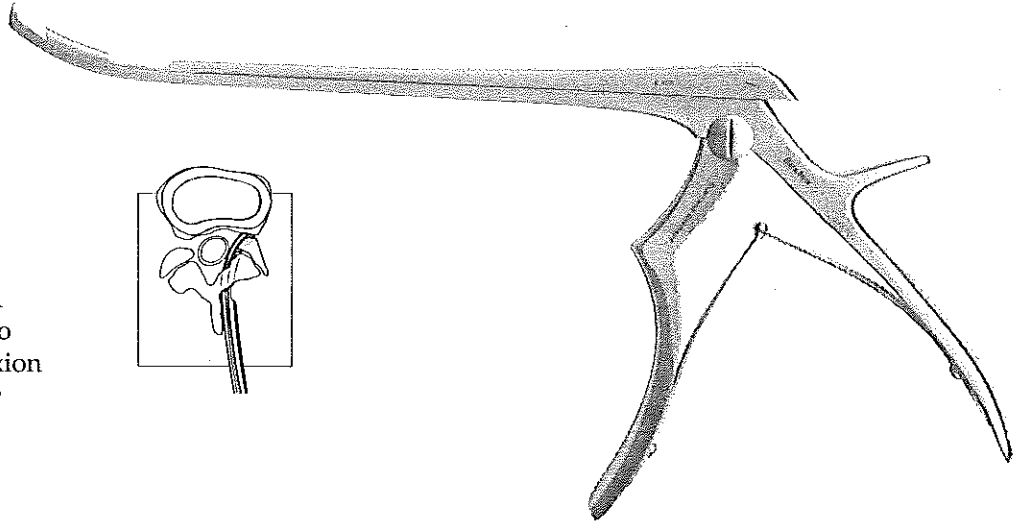
		Up 90°	Up 40°	Down 90°	Down 40°
Bite Width	2.0 mm	84-2921	84-2922	84-2923	84-2924
	3.0 mm	84-2931	84-2932	84-2933	84-2934
	4.0 mm	84-2941	84-2942	84-2943	84-2944
	5.0 mm	84-2951	84-2952	84-2953	84-2954
	6.0 mm	84-2961	84-2962	84-2963	84-2964

SPECIALTY PUNCHES

Beatty Foraminotomy Punch

200 mm shaft length,
up curved shaft,
forward angled footplate

With a straight Kerrison punch, the underside of the foramen is all but inaccessible. Our foraminotomy punch features a curved shaft and a footplate which has been angled forward 40° to envelop the dorsal part of the foramen. A portion of the upper shaft just proximal to the curve, has been flattened to allow flexion as the cutter runs up the ascending lower shaft without need for expensive and vulnerable hinges.



84-5100 set of all 3 sizes

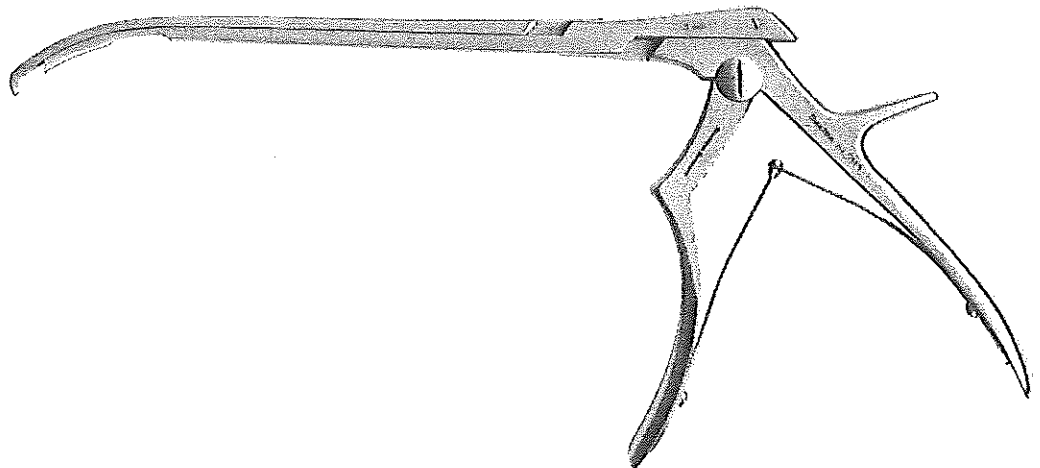
84-5102 2.0 mm

84-5103 3.0 mm

84-5104 4.0 mm

Peyronie Foraminotomy Punch

200 mm shaft length,
down curved shaft,
forward angled footplate



84-5112 2.0 mm

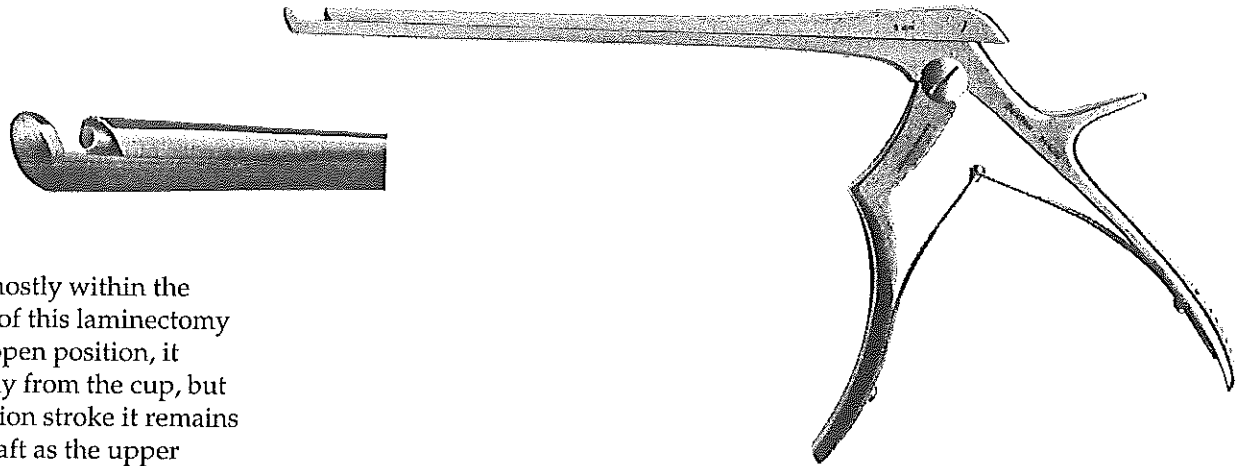
84-5113 3.0 mm

84-5114 4.0 mm

SPECIALTY PUNCHES

Ramrod Laminectomy Punch

Various shaft lengths, right angle or forward angle jaws, thin footplate, chip ejection mechanism



A steel rod resides mostly within the moving upper shaft of this laminectomy punch. In the fully open position, it protrudes just slightly from the cup, but during the compression stroke it remains fixed to the lower shaft as the upper segment advances upon the surgical site. Upon release of the spring loaded handle, while the upper shaft moves back to expel the bone chip.

200 mm Shaft Length

		Up 90°	Up 40°
Bite Width	2.0 mm	843-5221	843-5222
	3.0 mm	843-5231	843-5232
	4.0 mm	843-5241	843-5242
	5.0 mm	843-5251	843-5252
	6.0 mm	843-5261	843-5262

230 mm Shaft Length

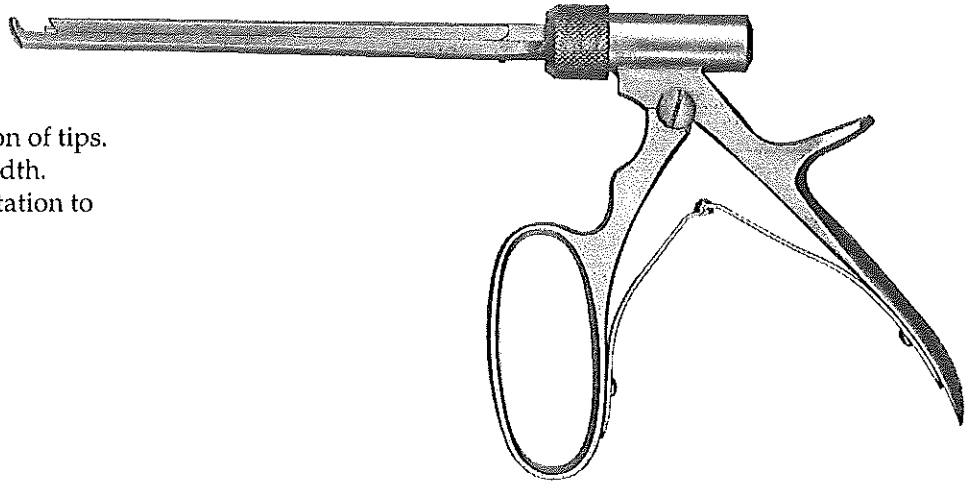
		Up 90°	Up 40°
Bite Width	2.0 mm	843-5421	843-5422
	3.0 mm	843-5431	843-5432
	4.0 mm	843-5441	843-5442
	5.0 mm	843-5451	843-5452
	6.0 mm	843-5461	843-5462

SPECIALTY PUNCHES

Rotating Shaft Kerrison Punch

Various shaft lengths, universal handle, interchangeable and rotatable shafts

A single handle can accommodate a selection of tips. Vary both the shaft length and the jaw width. Knurled, fixation nut allows 360° shaft rotation to the desired angle. No tools required.



85-5002 handle alone

Posterior Approach Shaft

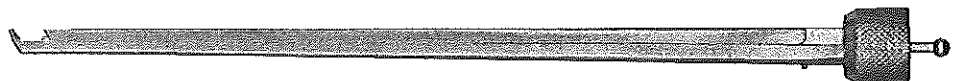
150 mm shaft length (180 mm assembled)
integrated chip ejector mechanism,
forward angled footplate



85-5022 2.0 mm
85-5032 3.0 mm
85-5042 4.0 mm
85-5052 5.0 mm

Anterior Approach Shaft

230 mm shaft length (260 mm assembled)
integrated chip ejector mechanism,
forward angled footplate



85-5422 2.0 mm
85-5432 3.0 mm
85-5442 4.0 mm

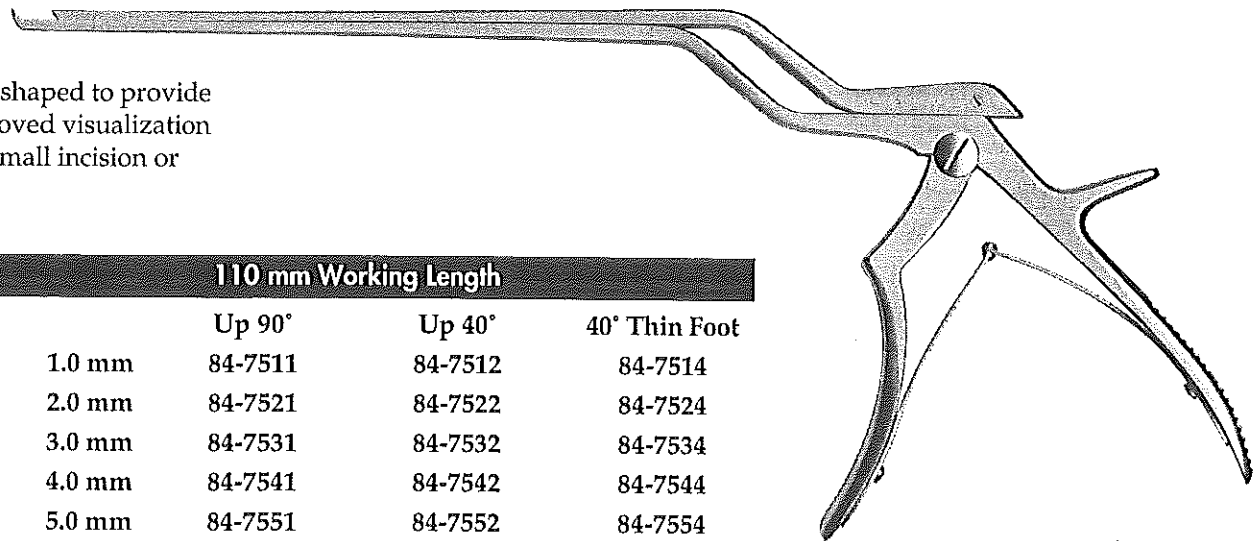
SPECIALTY PUNCHES

Bayonet Kerrison Punch

Offset shaft in various lengths,
right angle or forward angle jaws,
regular or thin footplate



The shaft is bayonet shaped to provide surgeons with improved visualization when working in a small incision or under a microscope.



110 mm Working Length

		Up 90°	Up 40°	40° Thin Foot
Bite Width	1.0 mm	84-7511	84-7512	84-7514
	2.0 mm	84-7521	84-7522	84-7524
	3.0 mm	84-7531	84-7532	84-7534
	4.0 mm	84-7541	84-7542	84-7544
	5.0 mm	84-7551	84-7552	84-7554
	6.0 mm	84-7561	84-7562	84-7564

150 mm Working Length

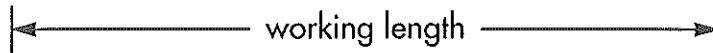
		Up 90°	Up 40°	40° Thin Foot
Bite Width	1.0 mm	84-7611	84-7612	84-7614
	2.0 mm	84-7621	84-7622	84-7624
	3.0 mm	84-7631	84-7632	84-7634
	4.0 mm	84-7641	84-7642	84-7644
	5.0 mm	84-7651	84-7652	84-7654
	6.0 mm	84-7661	84-7662	84-7664

180 mm Working Length

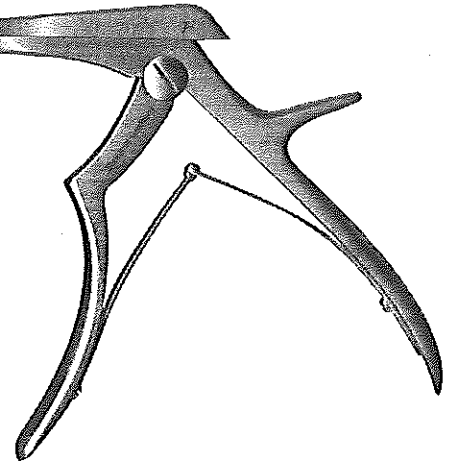
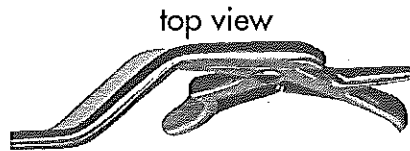
		Up 90°	Up 40°	40° Thin Foot
Bite Width	1.0 mm	84-7711	84-7712	84-7714
	2.0 mm	84-7721	84-7722	84-7724
	3.0 mm	84-7731	84-7732	84-7734
	4.0 mm	84-7741	84-7742	84-7744
	5.0 mm	84-7751	84-7752	84-7754
	6.0 mm	84-7761	84-7762	84-7764

SPECIALTY PUNCHES

Right-Handed Kerrison Punch
 Bayonet shaft in various lengths,
 right angle or forward angle jaws,
 regular or thin footplate



The shaft is offset laterally to provide right handed surgeons with improved visualization when working in a small incision or under a microscope.



110 mm Working Length

		Up 90°	Up 40°	40° Thin Foot
Bite Width	1.0 mm	84-8111	84-8112	84-8114
	2.0 mm	84-8121	84-8122	84-8124
	3.0 mm	84-8131	84-8132	84-8134
	4.0 mm	84-8141	84-8142	84-8144
	5.0 mm	84-8151	84-8152	84-8154
	6.0 mm	84-8161	84-8162	84-8164

150 mm Working Length

		Up 90°	Up 40°	40° Thin Foot
Bite Width	1.0 mm	84-8211	84-8212	84-8214
	2.0 mm	84-8221	84-8222	84-8224
	3.0 mm	84-8231	84-8232	84-8234
	4.0 mm	84-8241	84-8242	84-8244
	5.0 mm	84-8251	84-8252	84-8254
	6.0 mm	84-8261	84-8262	84-8264

180 mm Working Length

		Up 90°	Up 40°	40° Thin Foot
Bite Width	1.0 mm	84-8311	84-8312	84-8314
	2.0 mm	84-8321	84-8322	84-8324
	3.0 mm	84-8331	84-8332	84-8334
	4.0 mm	84-8341	84-8342	84-8344
	5.0 mm	84-8351	84-8352	84-8354
	6.0 mm	84-8361	84-8362	84-8364

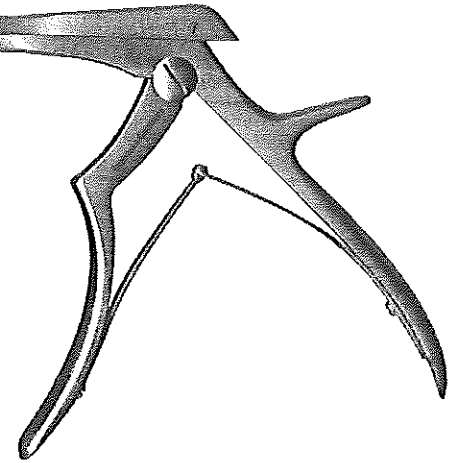
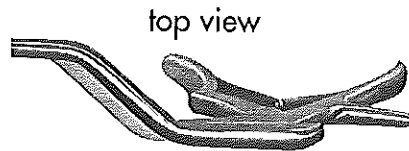
SPECIALTY PUNCHES

Left-Handled Kerrison Punch

Bayonet shaft in various lengths,
right angle or forward angle jaws,
regular or thin footplate



The shaft is offset laterally to provide left handed surgeons with improved visualization when working in a small incision or under a microscope.



110 mm Working Length

		Up 90°	Up 40°	40° Thin Foot
Bite Width	1.0 mm	84-8511	84-8512	84-8514
	2.0 mm	84-8521	84-8522	84-8524
	3.0 mm	84-8531	84-8532	84-8534
	4.0 mm	84-8541	84-8542	84-8544
	5.0 mm	84-8551	84-8552	84-8554
	6.0 mm	84-8561	84-8562	84-8564

150 mm Working Length

		Up 90°	Up 40°	40° Thin Foot
Bite Width	1.0 mm	84-8611	84-8612	84-8614
	2.0 mm	84-8621	84-8622	84-8624
	3.0 mm	84-8631	84-8632	84-8634
	4.0 mm	84-8641	84-8642	84-8644
	5.0 mm	84-8651	84-8652	84-8654
	6.0 mm	84-8661	84-8662	84-8664

180 mm Working Length

		Up 90°	Up 40°	40° Thin Foot
Bite Width	1.0 mm	84-8711	84-8712	84-8714
	2.0 mm	84-8721	84-8722	84-8724
	3.0 mm	84-8731	84-8732	84-8734
	4.0 mm	84-8741	84-8742	84-8744
	5.0 mm	84-8751	84-8752	84-8754
	6.0 mm	84-8761	84-8762	84-8764

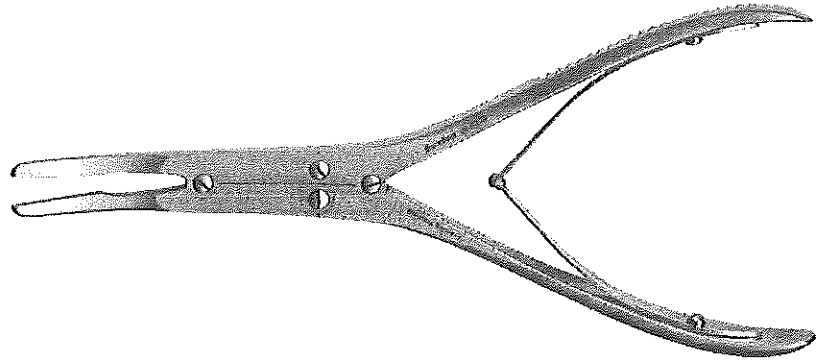
DOUBLE ACTION RONGEURS

Mainz Rongeur

Overall length 180 mm,
lightly curved jaws

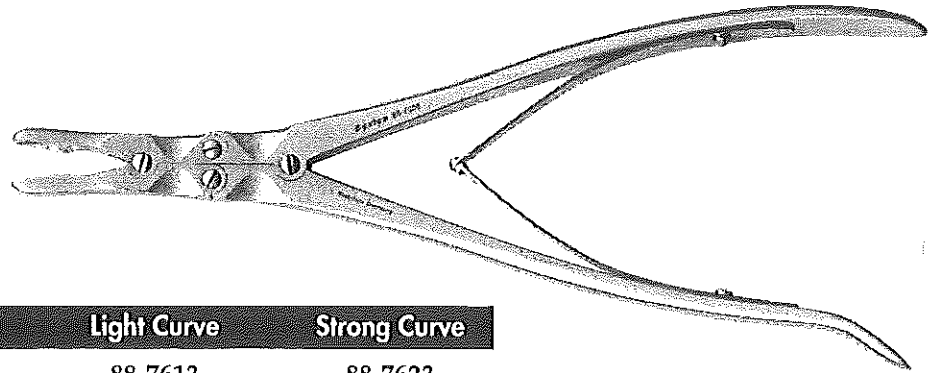
The long slender jaws and short range of motion of the Mainz rongeur allows it to reach deep into cavities, even where exposure is limited.

88-6220 25 x 3.0 mm jaws



Smith Peterson Rongeur

Overall length 240 mm, straight,
light curve, or strong curve

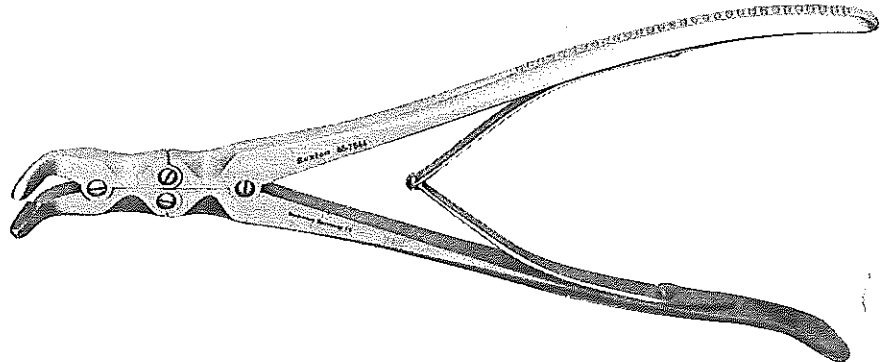


Bite Width	Straight	Light Curve	Strong Curve
3.0 mm	88-7603	88-7613	88-7623
4.0 mm	88-7604	88-7614	88-7624
5.0 mm	88-7605	88-7615	88-7625
6.0 mm	88-7606	88-7616	88-7626

Modified Smith Peterson Rongeur

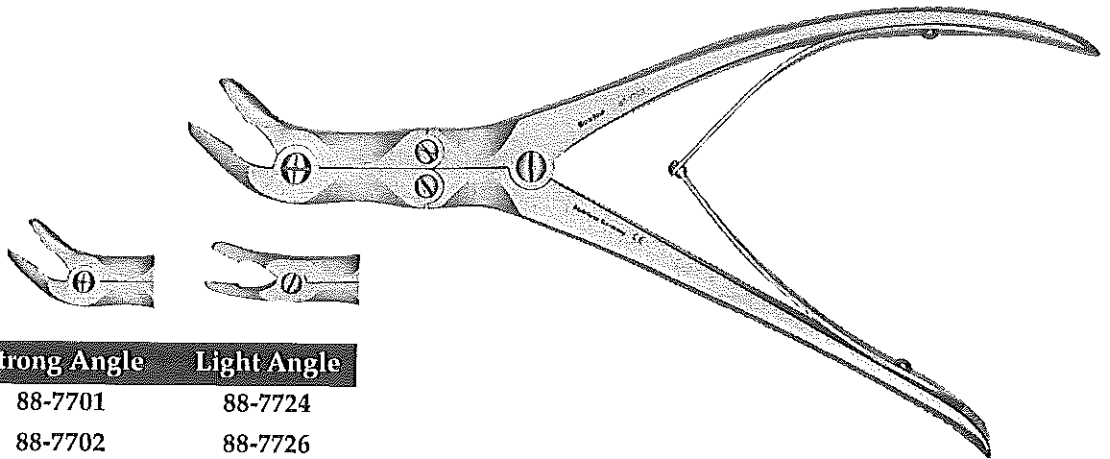
Overall length 240 mm,
80° angled jaws

88-7643 3.0 mm
88-7644 4.0 mm
88-7645 5.0 mm
88-7646 6.0 mm



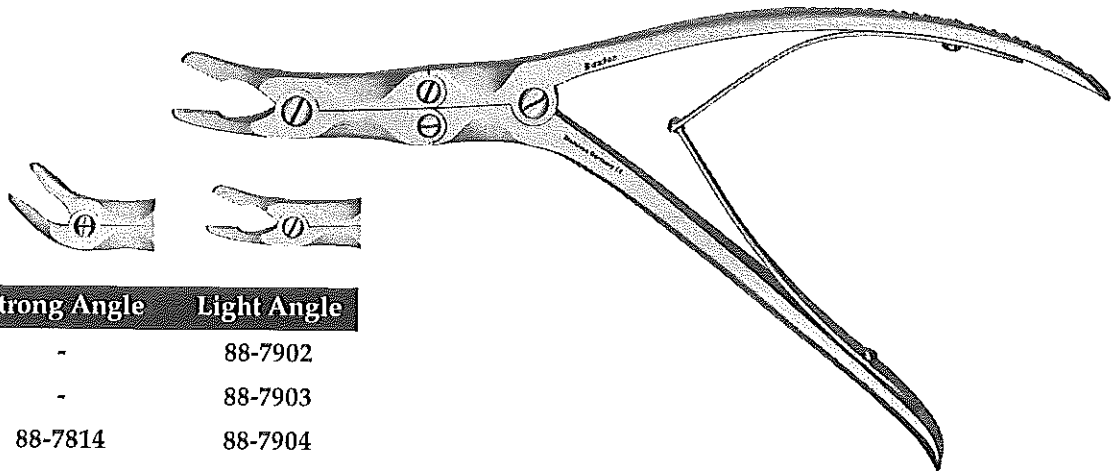
DOUBLE ACTION RONGEURS

Leksell Rongeur
Overall length 240 mm,
head angled to side



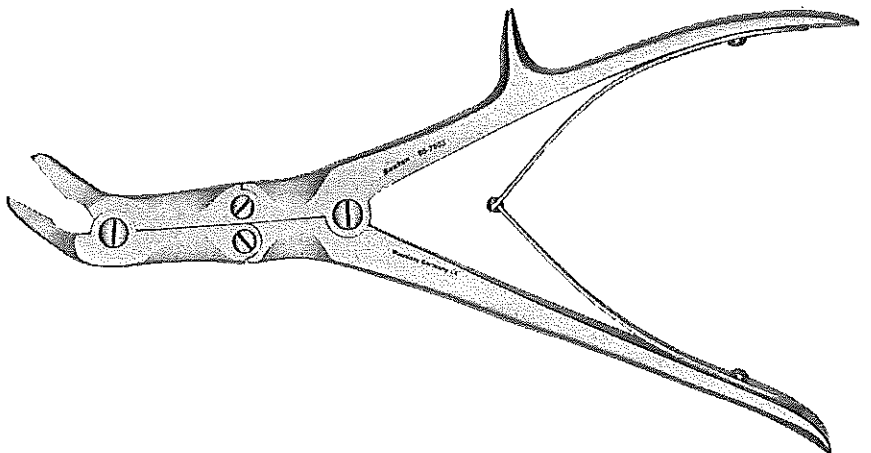
Bite Width	Strong Angle	Light Angle
4.0 mm	88-7701	88-7724
6.0 mm	88-7702	88-7726
8.0 mm	88-7703	88-7728

Leksell "T-Lex" Rongeur
Overall Length 240mm,
strongly curved handle,
head angled to side



Bite Width	Strong Angle	Light Angle
2.0 mm	-	88-7902
3.0 mm	-	88-7903
4.0 mm	88-7814	88-7904
5.0 mm	-	88-7905
6.0 mm	88-7816	-
8.0 mm	88-7818	-

Stille Rongeur
Overall length 230 mm,
head strongly angled to side



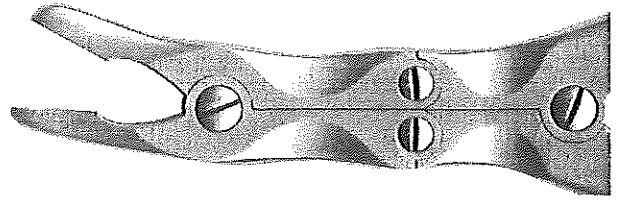
88-7802	2.0 mm
88-7803	3.0 mm
88-7804	4.0 mm
88-7806	6.0 mm
88-7808	8.0 mm

DOUBLE ACTION RONGEURS

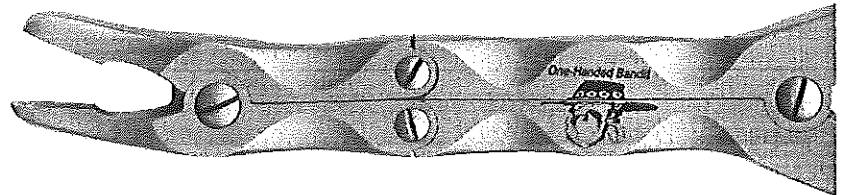
The One-Handed Bandit Series

Standard double action rongeurs feature symmetrically placed pivot points. Enlarging this basic pattern results in handles that spread ever farther apart. The first extended length double action rongeurs had handles that spread so far, they had to be used in a hedge-clipper fashion. Buxton rongeurs bearing the One-Handed Bandit name and logo are easily recognized by their eccentric pivot points which limit the spread of the handle to a more reasonable range. These rongeurs can reach deep into the surgical sight during anterior or transverse approaches, and are excellent for use on the adipose patient.

Traditional Double Action Rongeur

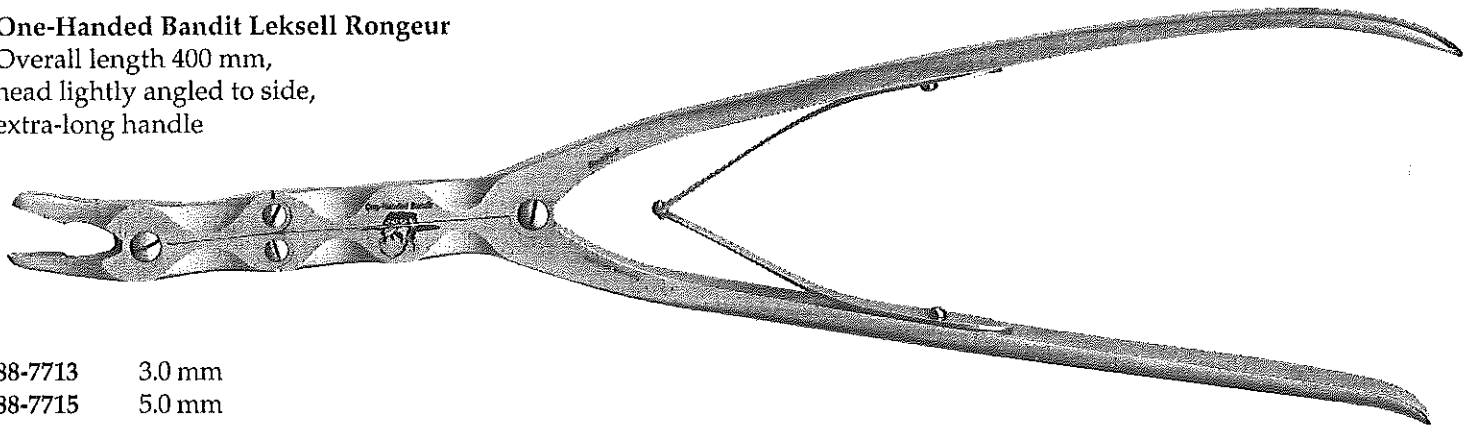


"One-Handed Bandit" Double Action Rongeur



One-Handed Bandit Leksell Rongeur

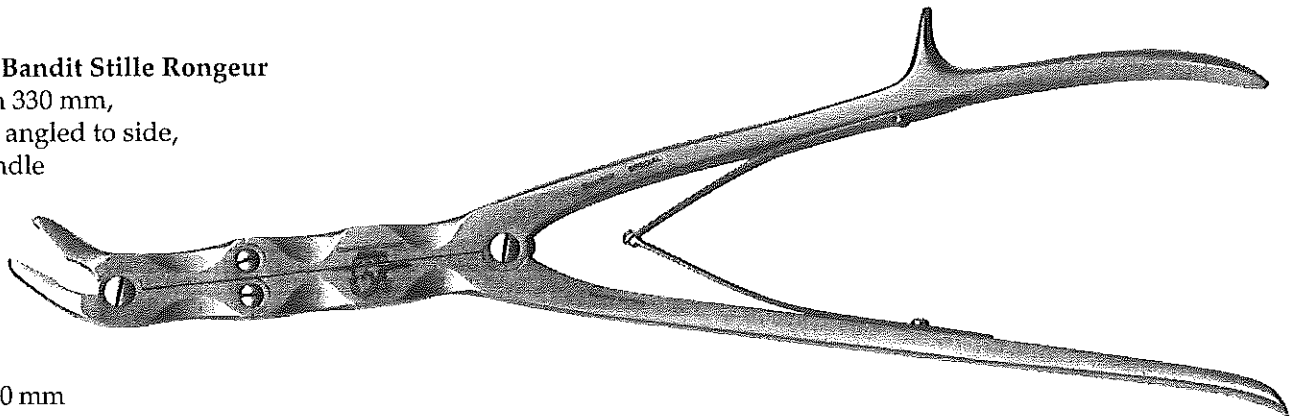
Overall length 400 mm,
head lightly angled to side,
extra-long handle



- 88-7713 3.0 mm
- 88-7715 5.0 mm
- 88-7718 8.0 mm

One-Handed Bandit Stille Rongeur

Overall length 330 mm,
head strongly angled to side,
extra-long handle

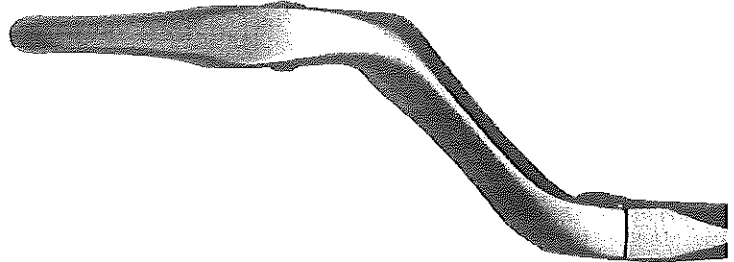


- 88-7822 2.0 mm
- 88-7823 3.0 mm
- 88-7824 4.0 mm
- 88-7826 6.0 mm
- 88-7828 8.0 mm

DOUBLE ACTION RONGEURS

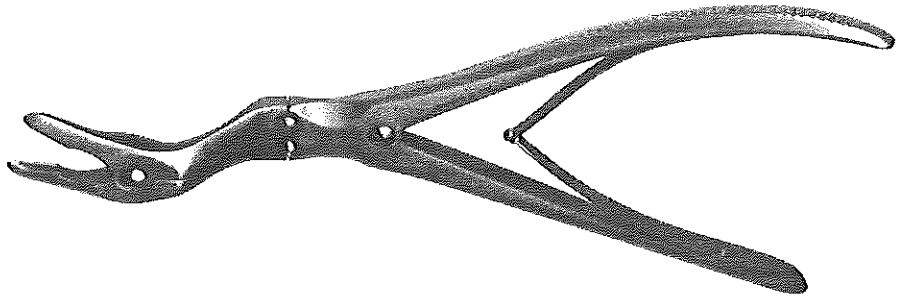
The Bayonet Series

Lateral offset to the "business end" of our bayonet patterns significantly improves visualization of the surgical target.



Bayonet Leksell Rongeur

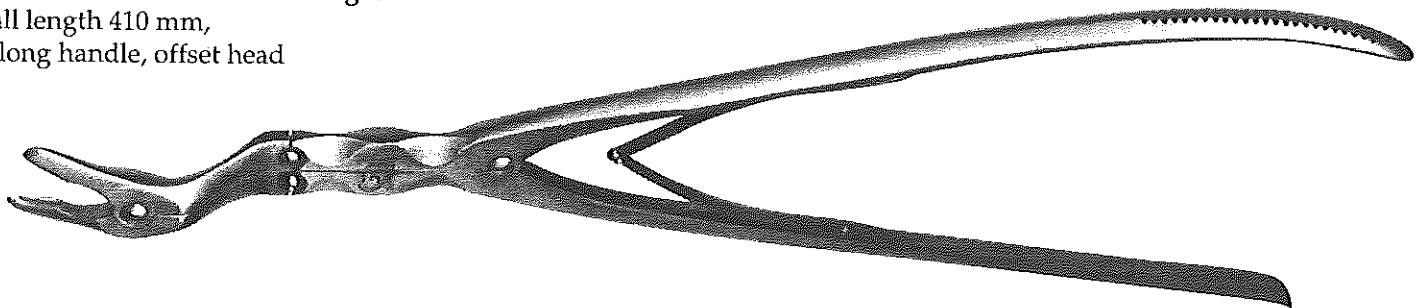
Overall length 250 mm, offset head



88-6673 3.0 mm
88-6675 5.0 mm
88-6678 8.0 mm

Bayonet One-Handed Bandit Rongeur

Overall length 410 mm,
extra-long handle, offset head



88-6723 3.0 mm
88-6725 5.0 mm
3-6728 8.0 mm

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Anterior Kerrison Punches	38-39	Leksell Rongeurs	47-49
B		Love Nerve Hooks, w/ball tip	4
Bayonet IVD Rongeurs	32-33	Love Nerve Root Retractors	2-3
Bayonet Leksell Rongeurs	49	Lumbar Retractors	8-11
Bayonet Kerrison Punches	43-45	M	
Baby-Adson Retractors	6	Mainz Rongeurs	46
Beatty Foraminotomy Punches	40	Mallets	20
Beckmann-Adson Retractors	7	Markham-Meyerding Retractors	6
Beckman-Eaton Retractors	7	Meyerding Retractors	1
Bone Tamps	20	Micro-Laminectomy Punches	31
Bruett Elevator/Raspatories	5	Miskimon Retractors	6
Brunner Retractors	1	Modified Inge Spreaders	12
Buxton Laminectomy Retractors	8	Murphy Probes	4
C		N	
Caspar-style IVD Rongeurs	28	Nerve Hooks	4
Caspar-style Retractor System	14-15	Nerve Root Retractors	2-3
Cervical Laminectomy Punches	37	O	
Cervical Retractors	14-15	One-Handed Bandit Rongeurs	48-49
Cloward Anterior Cervical Spreaders	13	Osteotomes/Gouges	21-24
Cloward Retractors	2	P	
Cloward Rongeurs	29	Peapod Rongeurs	26
Cobb Curettes	18	Peyronie Foraminotomy Punches	40
Cobb Elevators	25	R	
Cobb Gouges	24	Ramrod Laminectomy Punches	41
Curettes	16-19	Raspatories	5
Cushing Nerve Hooks	4	Retractors	1-4, 6-11, 14-15
D		Right-Handled IVD Rongeurs	32
Dahmen Osteotomes/Gouges	21-23	Right-Handled Kerrison Punches	44
Dandy Nerve Hooks	4	Ring Curettes	19
Double-Action Rongeurs	46-49	Rotating Shaft Kerrison Punches	42
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Elevators	5, 25	Scaglietti Lamina Spreaders	12
Extraordinary IVD Rongeurs	31	Scoville Nerve Root Retractors	3
F		Slim Grip Curettes	17
Ferris-Smith Handle Kerrison Punches	35	Small Handle Kerrison Punches	34, 37-38, 41
Ferris-Smith Rongeurs	29	Smith Peterson Rongeurs	46
Foraminotomy Punches	40	Spinal Fusion Curettes	16
French Model Laminectomy Retractor	10-11	Spongiosa Gouge	21
G		Stille Rongeurs	47-48
Gouges	21,23-24	T	
Gruenwald IVD Rongeur	27	Thin Footplate Kerrison Punches	37
H		T-Lex Rongeurs	47
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I		Weil-Blakesley Rongeurs	27, 30
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Kerrison Punches	34-45		