AMZAK
INSTRUMENTS



SPINAL SURGERY INSTRUMENTS

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INDEX

AMZAK INSTRUMENTS

Amzak Instruments is engaged in Designing, Manufacturing and Distribution of 100% pure quality Stainless Steel surgical instruments for all department of surgery in the Sialkot 51310, Pakistan

Amzak Instruments is a rare union of highly skilled surgical craftsmen,guaranteed raw material and modern technology that results in high quality surgical instruments

We take great pride in the extensive range of over 15,000 quality instruments that we offer in a multi-tude of disciplines.

Our dedicated R&D department has acclaimed many golden feathers in their hat by modifying, designing and manufacturing complex instru-ments according to surgeon's requirements.

Even more importantly, we have a very significant policy of effective 'service after sales' to the satis-faction of our entire clients.

Page No.

LAMINECTOMY PUNCHES

90˚Kerrison Laminectomy Punch	1
'Black Line' Kerrison Punch	2
Bone Ejector Kerrison Punch	2
Thin Footplate Kerrison Punch	3
Wide Opening Kerrison Punch	3
'Clean Wave' Laminectomy Punch	4
Love Kerrison Punch	4
Long Anterior Kerrison Punch	5
Curved Foramenotomy Punch	5
Ferris-Smith Kerrison Punch	6
Osteo-Rotating Punch	6

DISC RONGEURS

Intervertebral Disc Rongeur	7
Caspar Disc Rongeur	8
Schlesinger Toothed Rongeur	8
Williams Disc Rongeur	9
'Pea Pod' Disc Rongeur	9
Beck Disc Rongeur	9
Munich Grasping Forceps	10
Decker Rongeur	10
Nicola Biopsy Forceps	10
'Clean Wave' Intervertebral Rongeur	11
Ferris-Smith Rongeur	12
Anterior Disc Rongeur	12
Anterior Long Ronguer	12

BONE NIBBLERS & CUTTERS

Lempert Bone Nibbler	13
Luer Bone Nibbler	13
Adsons Bone Nibbler	13
Pennybacker Bone Nibbler	14
Northfields Bone Nibbler	14
'Rat Toothed' Bone Nibbler	14
Zielke Rongeur	15
Matzen Rongeur	15
Beyer Bone Nibbler	15
Jansen Bone Nibbler	16
Marquardt Bone Nibbler	16
Smith-Peterson Bone Nibbler	16
Stille-Luer Bone Nibbler	17
Leksell Bone Nibbler	17
Echlin Duckbill Nibbler	18
Long Anterior Leksell Bone Nibbler	18
Sypert Bone Nibbler	18
McIndoe Bone Cutters	19
Stille-Liston Bone Cutters	19
Liston-Key-Horsley Bone Cutters	19
Tudor Edwards/Vehmehren Costotome	19

OSTEOTOMES & MALLETS

Dahmen Osteotome	20
Lexer Osteotome	20
Stille Osteotome	20
Scaglietti Osteotome Set	21
Mallets	21 & 22

Page No.

ELEVATORS, GOUGES & IMPACTORS

Adson Elevator	23
Pennybacker Elevator	23
Bone Raspatory	23
Farabeuf Elevator	23
Trethowan Lever	24
Lanes Lever	24
Fagge Lever	24
Bristows Elevator	24
Hohmanns Lever	25
Inferior Hohmann Hip Retractor	25
Zielke Gouge	25
Capener Gouge	25
Cervical Impactor	26
Lumbar Impactor	26
Anterior Impactor	26
Cobb Elevators	27 & 28

SPINAL CURETTES

Bayonet Cervical Micro Curette Set	29
Karlin Style Bayonet Cervical Micro Curettes	30
Lempert Curette	31
Bruns Curette	31
Tufnol Handle Curette	31
Double Handled Curette	32
Comfort Handle Curette	32
Long Anterior Curette	32
Light-Grip Cervical Curette	33
Light-Grip Lumbar Curette	34
Cones Curette	35
Zielke Curette	35
Volkmann Curette	35

DISSECTORS

Swedish Dissector	36
Howarth Elevator	36
MacDonald Elevator/Dissector	36
Watson Cheyne Dissector	36
Freers Elevator/Dissector	36

CASPAR CERVICAL DISTRACTION SET

Caspar Distraction Set	37 & 38

LAMINA SPREADERS

Cervical Vertebral Spreader	39
Cloward Cervical Spreader	39
Cloward Lamina Spreader	39
Baby Inge Lamina Spreader	40
Inge Lamina Spreader	40
Scaglietti Lamina Spreader	40
Long Anterior Lamina Spreader	40

HOOKS & PROBES

Adson Dural Hook	41
Titanium Micro Hook	41
Crile Hook	41
Emmet Hook	41
Cushing Hook	41
Adson Hook	42
McCulloch Style Probe	42
Manipulation Hook	42

Page No

HOOKS & PROBES cont.

Blalock Blunt Hook	42
Caspar Exploration Probe	42

RETRACTORS

Love Bayonet Nerve Root Retractor	43
Krayenbuhl Nerve Root Retractor	43
O'Connell Nerve Root Retractor	43
Love Nerve Root Retractor	43
Shepperd Suction Nerve Root Retractor	44
Nerve Root Retractor with Suction	44
Hess Nerve Root Retractor	44
Meyerding Retractor	45
Langenbeck Retractor	45
Taylor Retractor	45
Cloward Blade Retractor	45
Bone Hook	45
Volkmann Retractor	45
Baby Weitlaner S/R Retractor	46
Mollison S/R Child Retractor	46
Mollison S/R Adult Retractor	46
Wests/Weitlaner S/R Retractor	47
Travers S/R Retractor	47
Norfolk & Norwich S/R Retractor	47
Cones S/R Retractor	48
Beckman-Adson S/R Retractor	48
Gelpi Laminectomy S/R Retractor	49
Hardman S/R Retractor	49
Meyerding S/R Retractor	49
Long Gelpi Orthopaedic S/R Retractor	50
Viper Scoliosis S/R Retractor	50
Micro Discectomy Retractor System	51 & 52
Micro Discectomy Instrument Set	53 & 54
Black Belt Cervical Retractor System	55 & 56
Super-Slide Laminectomy Retractor System	57 & 58
Caspar Retractor System	59 & 60
Black Belt Micro Discectomy Retractor Set	61

BAYONET MICRO INSTRUMENTS FOR DURAL REPAIRS

Yasargil Bayonet Micro Needle Holder	62
Bayonet Micro Needle Holder	62
Yasargil Bayonet Micro Forceps	62
Yasargil Bayonet Micro Scissors	62

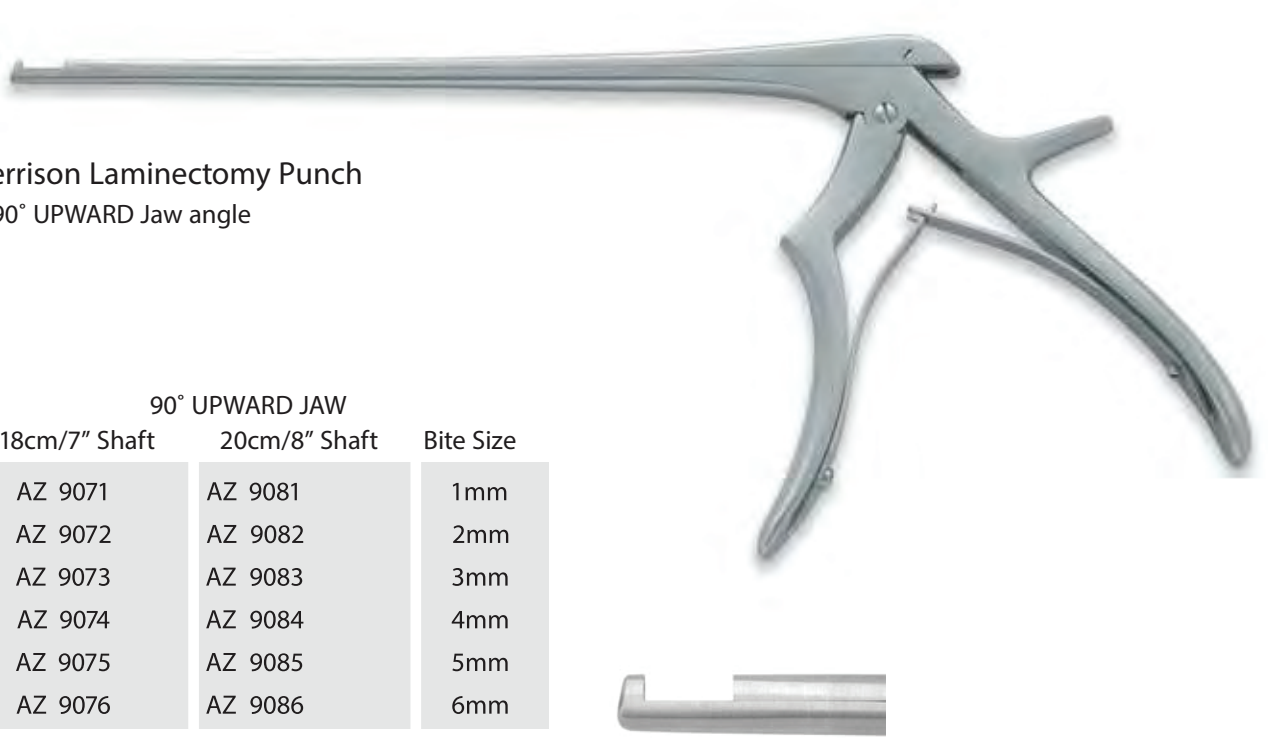
BIPOLAR FORCEPS

Straight Bipolar Forceps	63
Bayonet Bipolar Forceps	63 & 64

MISC INSTRUMENTS

Slim Nose Wire Twisters	65
Orthopaedic Locking Pliers	65
Combined Wire Cutters & Pliers	65
Bolt Cutters	66
Muller-Claus Wire Cutters	66
Needle Nosed Locking Pliers	66
Measuring Caliper/Gauges	67
Suction Tubes	68
Bayonet Forceps	68

LAMINECTOMY PUNCH

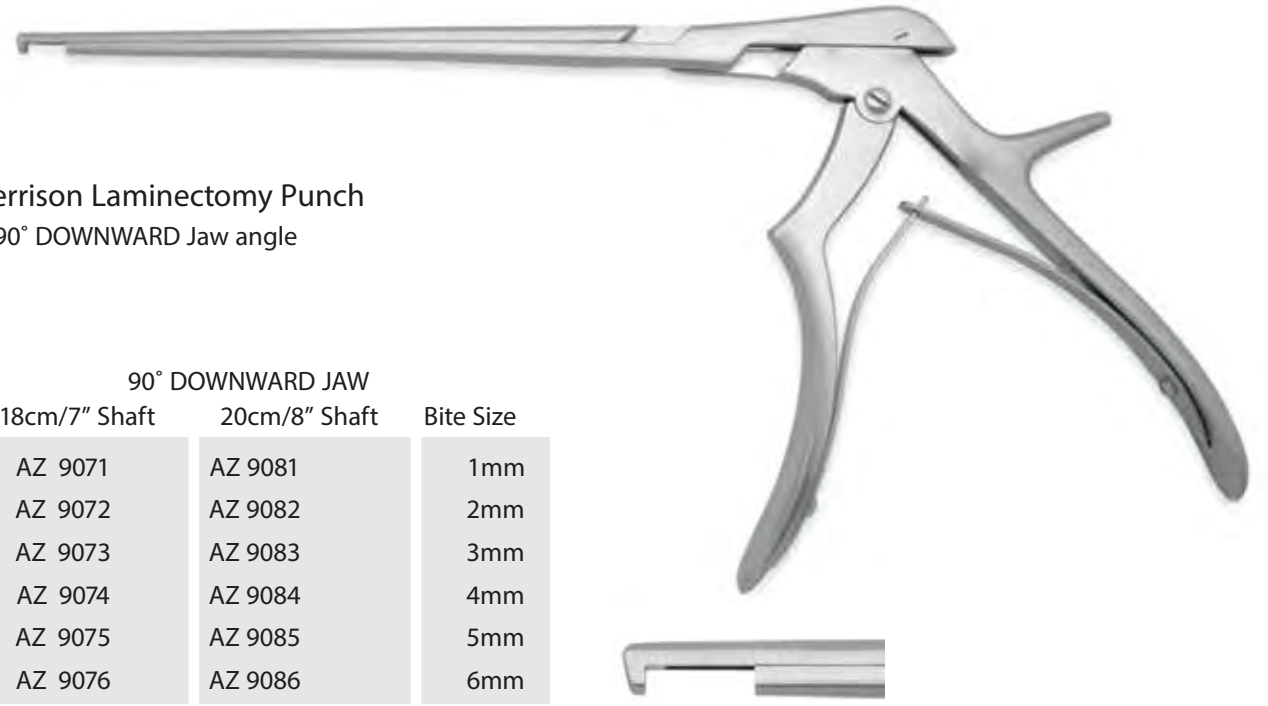


Kerrison Laminectomy Punch

- 90˚ UPWARD Jaw angle

90˚ UPWARD JAW		
18cm/7" Shaft	20cm/8" Shaft	Bite Size
AZ 9071	AZ 9081	1mm
AZ 9072	AZ 9082	2mm
AZ 9073	AZ 9083	3mm
AZ 9074	AZ 9084	4mm
AZ 9075	AZ 9085	5mm
AZ 9076	AZ 9086	6mm

90° UPWARD



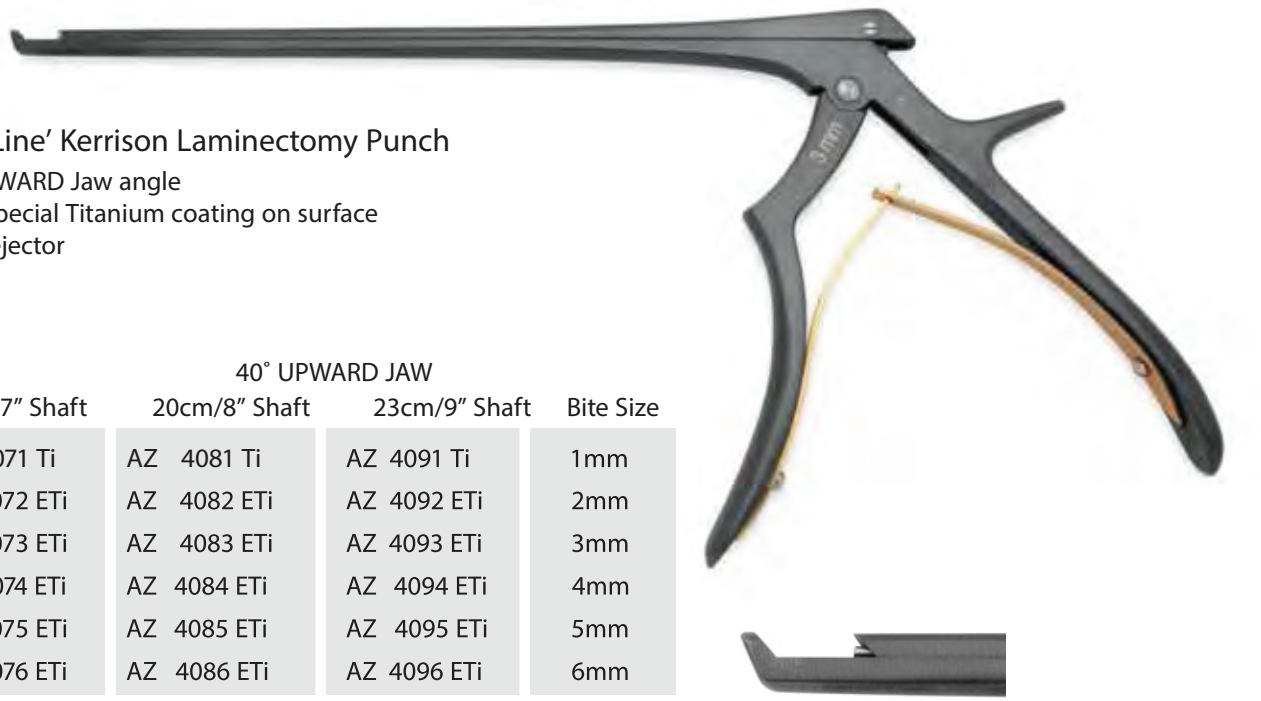
Kerrison Laminectomy Punch

- 90˚ DOWNWARD Jaw angle

90˚ DOWNWARD JAW		
18cm/7" Shaft	20cm/8" Shaft	Bite Size
AZ 9071	AZ 9081	1mm
AZ 9072	AZ 9082	2mm
AZ 9073	AZ 9083	3mm
AZ 9074	AZ 9084	4mm
AZ 9075	AZ 9085	5mm
AZ 9076	AZ 9086	6mm

90° DOWNWARD

LAMINECTOMY PUNCH



‘Black Line’ Kerrison Laminectomy Punch

- 40˚ UPWARD Jaw angle
- With special Titanium coating on surface
- Bone ejector

	40˚ UPWARD JAW		
18cm/7” Shaft	20cm/8” Shaft	23cm/9” Shaft	Bite Size
AZ 4071 Ti	AZ 4081 Ti	AZ 4091 Ti	1mm
AZ 4072 ETi	AZ 4082 ETi	AZ 4092 ETi	2mm
AZ 4073 ETi	AZ 4083 ETi	AZ 4093 ETi	3mm
AZ 4074 ETi	AZ 4084 ETi	AZ 4094 ETi	4mm
AZ 4075 ETi	AZ 4085 ETi	AZ 4095 ETi	5mm
AZ 4076 ETi	AZ 4086 ETi	AZ 4096 ETi	6mm

40° UPWARD

Kerrison Laminectomy Punch with Bone Ejector

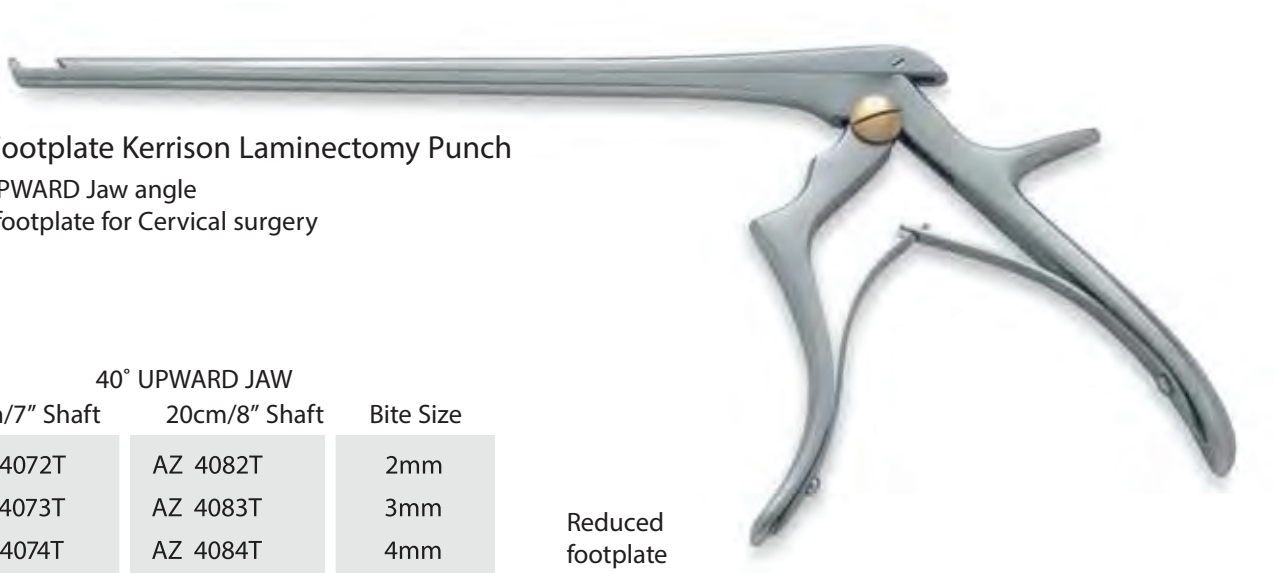
- 40˚ UPWARD Jaw angle
- Bone ejector

	40˚ UPWARD JAW		
18cm/7” Shaft	20cm/8” Shaft	23cm/9” Shaft	Bite Size
AZ 4071	AZ 4081	AZ 4091	1mm
AZ 4072E	AZ 4082E	AZ 4092E	2mm
AZ 4073E	AZ 4083E	AZ 4093E	3mm
AZ 4074E	AZ 4084E	AZ 4094E	4mm
AZ 4075E	AZ 4085E	AZ 4095E	5mm
AZ 4076E	AZ 4086E	AZ 4096E	6mm



40° UPWARD

LAMINECTOMY PUNCH



Thin Footplate Kerrison Laminectomy Punch

- 40˚ UPWARD Jaw angle
- Thin footplate for Cervical surgery

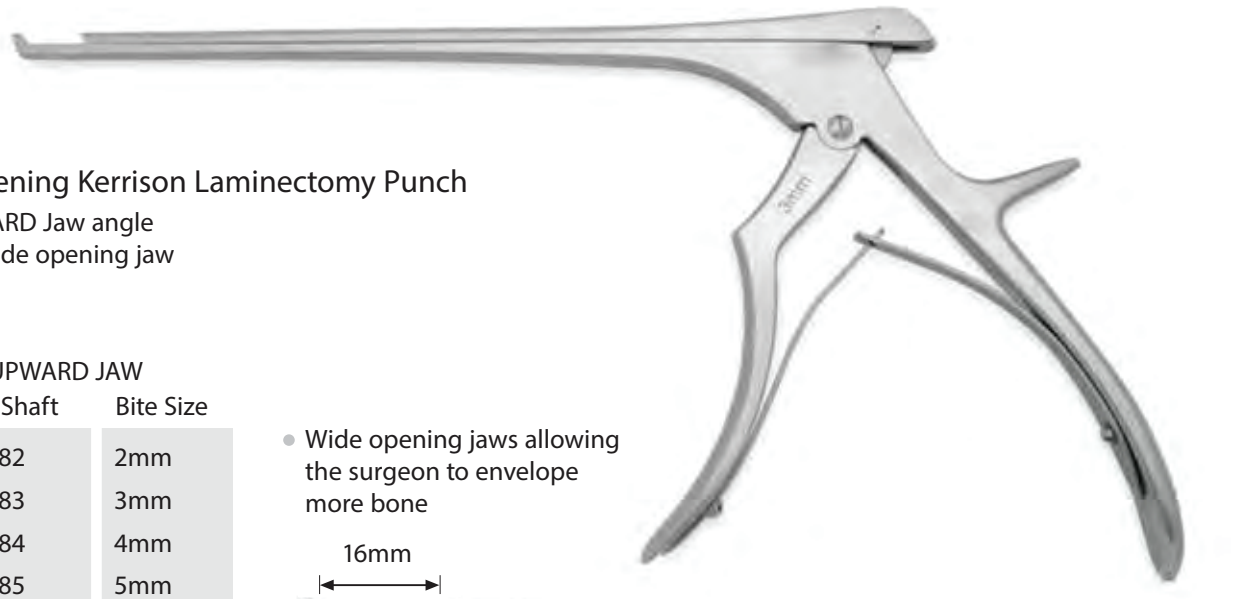
40˚ UPWARD JAW		
18cm/7″ Shaft	20cm/8″ Shaft	Bite Size
AZ 4072T	AZ 4082T	2mm
AZ 4073T	AZ 4083T	3mm
AZ 4074T	AZ 4084T	4mm
AZ 4075T	AZ 4085T	5mm
AZ 4076T	AZ 4086T	6mm



40° UPWARD

- A reduced footplate thickness useful for a restricted operating area

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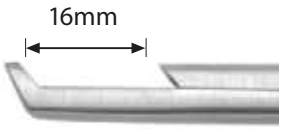


Wide Opening Kerrison Laminectomy Punch

- 40˚ UPWARD Jaw angle
- 16mm Wide opening jaw

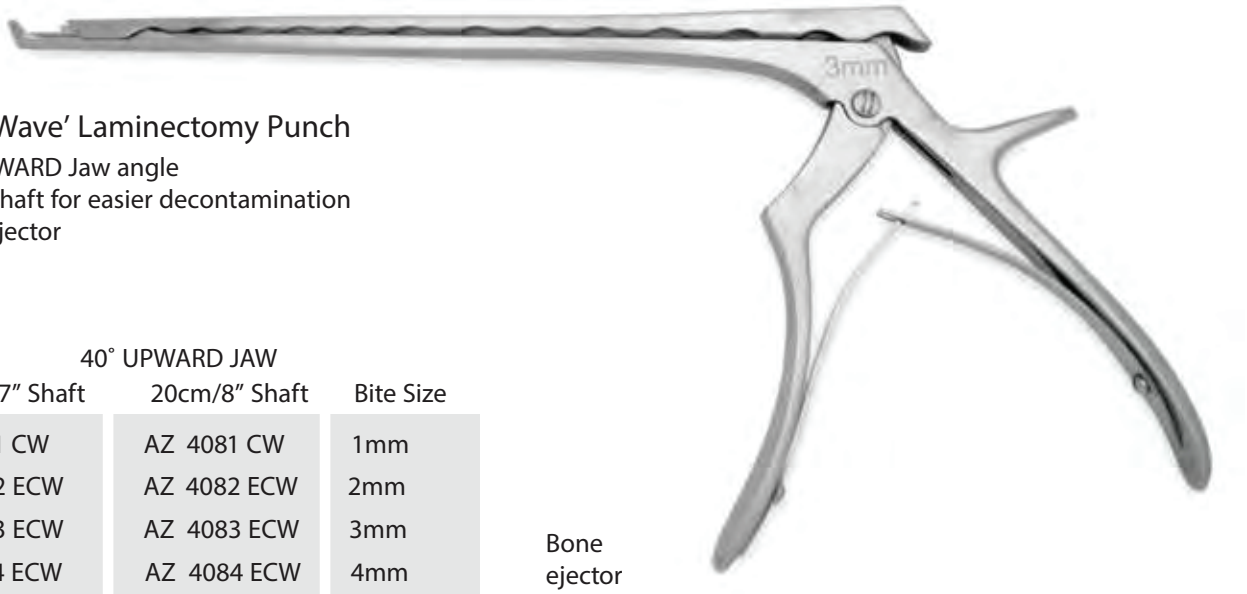
40˚ UPWARD JAW	
20cm/8″ Shaft	Bite Size
AZ 4082	2mm
AZ 4083	3mm
AZ 4084	4mm
AZ 4085	5mm
AZ 4086	6mm

- Wide opening jaws allowing the surgeon to envelope more bone



40° UPWARD

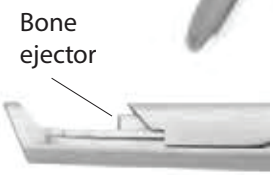
LAMINECTOMY PUNCH



'Clean Wave' Laminectomy Punch

- 40˚ UPWARD Jaw angle
- Open shaft for easier decontamination
- Bone ejector

40˚ UPWARD JAW		
18cm/7" Shaft	20cm/8" Shaft	Bite Size
AZ 4071 CW	AZ 4081 CW	1mm
AZ 4072 ECW	AZ 4082 ECW	2mm
AZ 4073 ECW	AZ 4083 ECW	3mm
AZ 4074 ECW	AZ 4084 ECW	4mm
AZ 4075 ECW	AZ 4085 ECW	5mm
AZ 4076 ECW	AZ 4086 ECW	6mm



40° UPWARD



- Open design of shaft allows cleaning of shaft



Love Kerrison Punch

- 40˚ UPWARD Jaw angle
- Oversize handle

40˚ UPWARD JAW	
20cm/8" Shaft	Bite Size
AZ 4082	2mm
AZ 4083	3mm
AZ 4084	4mm
AZ 4085	5mm

40° UPWARD

LAMINECTOMY PUNCH



Long Anterior Kerrison Laminectomy Punch

- 40˚ UPWARD Jaw angle
- With special Titanium coating on surface
- Extra long shaft for Thoracic approach
- Bone ejector

40˚ UPWARD JAW

28cm/11" Shaft	Bite Size
AZ 4002ETi	2mm
AZ 4003ETi	3mm
AZ 4004ETi	4mm
AZ 4005ETi	5mm
AZ 4006ETi	6mm



40° UPWARD



Curved Foramenotomy Punch

- 40˚ UPWARD Jaw angle
- Curved shaft designed to improve access to the Foramen

20cm/8" Shaft	Bite Size
AZ 4082	2mm
AZ 4083	3mm
AZ 4084	4mm



LAMINECTOMY PUNCH

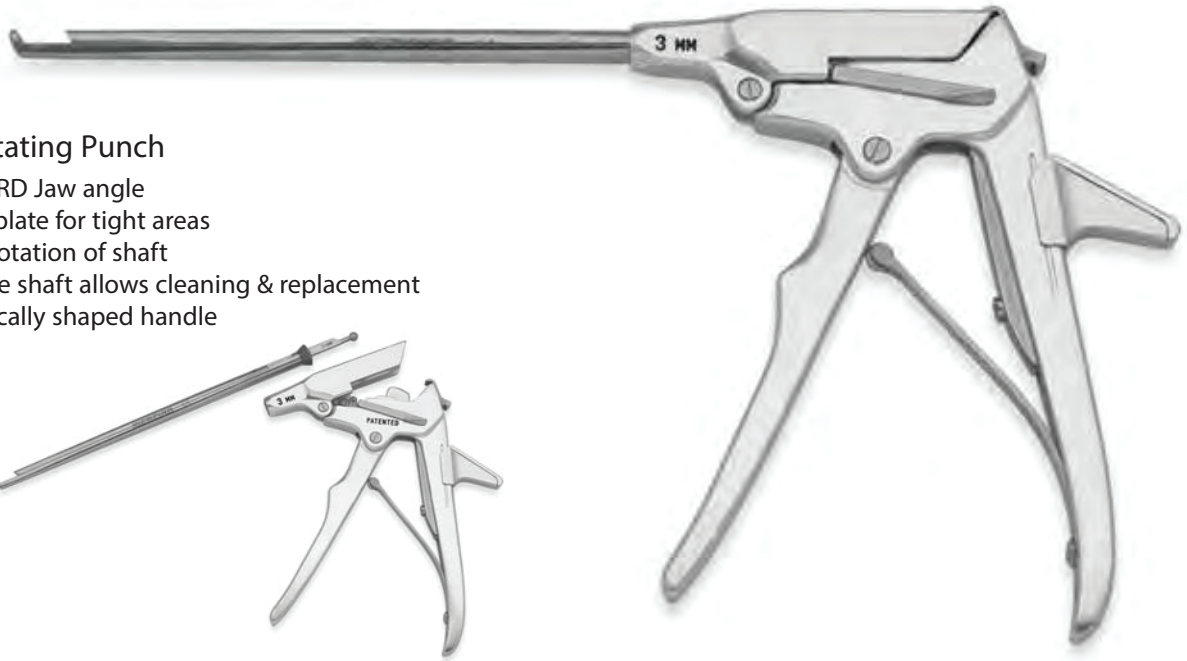


Ferris-Smith Kerrison Laminectomy Punch

- 40˚ UPWARD Jaw angle
- Modified ring handle

40° UPWARD

40˚ UPWARD JAW		
18cm/7" Shaft	20cm/8" Shaft	Bite Size
AZ 4072	AZ 4082	2mm
AZ 4073	AZ 4083	3mm
AZ 4074	AZ 4084	4mm
AZ 4075	AZ 4085	5mm
AZ 4076	AZ 4086	6mm



Osteo-Rotating Punch

- 40˚ UPWARD Jaw angle
- Thin foot plate for tight areas
- Full 360˚ rotation of shaft
- Removable shaft allows cleaning & replacement
- Ergonomically shaped handle

40˚ UPWARD JAW		
18cm/7" Shaft	21cm/8 1/4" Shaft	Bite Size
AZ7375 - 40	AZ7376 - 40	0.6mm
AZ7375 - 41	AZ7376 - 41	1mm
AZ7375 - 42	AZ7376 - 42	2mm
AZ7375 - 43	AZ7376 - 43	3mm
AZ7375 - 44	AZ7376 - 44	4mm

DISC RONGEURS

Intervertebral Disc Rongeur



STRAIGHT JAW

15cm/6" Shaft	18cm/7" Shaft	20cm/8" Shaft	Bite Size
K6-S	K7-S	K8-S	1.5mm
C6-S	C7-S	C8-S	2mm
LG6-S	LG7-S	LG8-S	3mm
S6-S	S7-S	S8-S	4mm
R6-S	R7-S	R8-S	5mm
P6-S	P7-S	P8-S	6mm
Q6-S	Q7-S	Q8-S	7mm

Intervertebral Disc Rongeur



40° ANGLED UPWARD JAW

15cm/6" Shaft	18cm/7" Shaft	20cm/8" Shaft	Bite Size
K6-U	K7-U	K8-U	1.5mm
C6-U	C7-U	C8-U	2mm
LG6-U	LG7-U	LG8-U	3mm
S6-U	S7-U	S8-U	4mm
R6-U	R7-U	R8-U	5mm
P6-U	P7-U	P8-U	6mm
Q6-U	Q7-U	Q8-U	7mm

Intervertebral Disc Rongeur

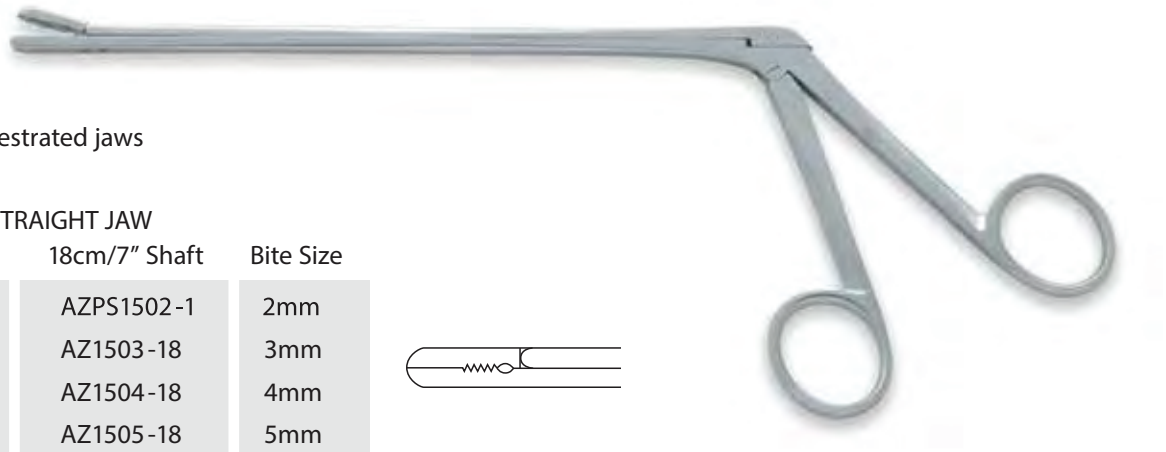


40° ANGLED DOWNWARD JAW

15cm/6" Shaft	18cm/7" Shaft	20cm/8" Shaft	Bite Size
K6-D	K7-D	K8-D	1.5mm
C6-D	C7-D	C8-D	2mm
LG6-D	LG7-D	LG8-D	3mm
S6-D	S7-D	S8-D	4mm
R6-D	R7-D	R8-D	5mm
P6-D	P7-D	P8-D	6mm
Q6-D	Q7-D	Q8-D	7mm

DISC RONGEURS

Caspar Toothed Disc Rongeur



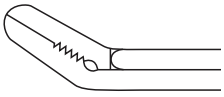
- Serrated and fenestrated jaws

STRAIGHT JAW

16cm/6 1/4" Shaft	18cm/7" Shaft	Bite Size
AZ1502-16	AZPS1502-1	2mm
AZ1503-16	AZ1503-18	3mm
AZ1504-16	AZ1504-18	4mm
AZ1505-16	AZ1505-18	5mm

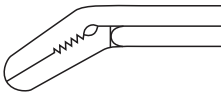
UPWARD JAW

16cm/6 1/4" Shaft	18cm/7" Shaft	Bite Size
AZ1602-16	AZ1602-18	2mm
AZ1603-16	AZ1603-18	3mm
AZ1604-16	AZ1604-18	4mm
AZ1605-16	AZ1605-18	5mm

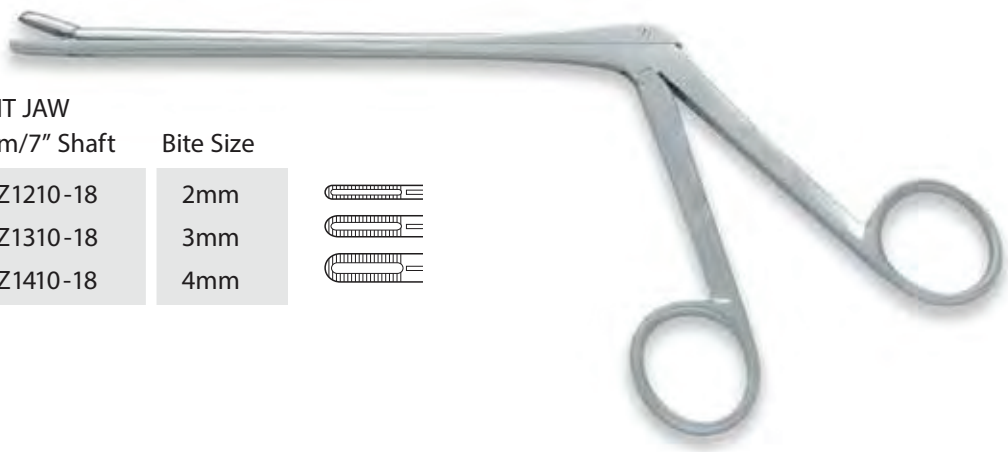


DOWNWARD JAW

16cm/6 1/4" Shaft	18cm/7" Shaft	Bite Size
AZ1702-16	AZ1702-18	2mm
AZ1703-16	AZ1703-18	3mm
AZ1704-16	AZ1704-18	4mm
AZ1705-16	AZ1705-18	5mm



Schlesinger Toothed Rongeur



STRAIGHT JAW

15cm/6" Shaft	18cm/7" Shaft	Bite Size
AZ1210-15	AZ1210-18	2mm
AZ1310-15	AZ1310-18	3mm
AZ1410-15	AZ1410-18	4mm

DISC RONGEURS

Williams Discectomy Rongeur

14cm/5 ½" Shaft

AZ1110-14

Longer pattern
23cm/9" Shaft

AZ1110-23



- Single toothed cup 1mm bite

'Pea Pod' Disc Rongeur

- Short 10mm length jaw

15cm/6"	Bite Size
AZ1510-15	2mm
AZ1610-15	3mm
AZ1710-15	4mm

13cm/5 ¼"	Bite Size
AZ1510-13	2mm

Extra fine pattern 5mm length jaws



Beck Disc Rongeur

- 13cm/5 ¼" Shaft
- 2mm bite size

AZ1910-13

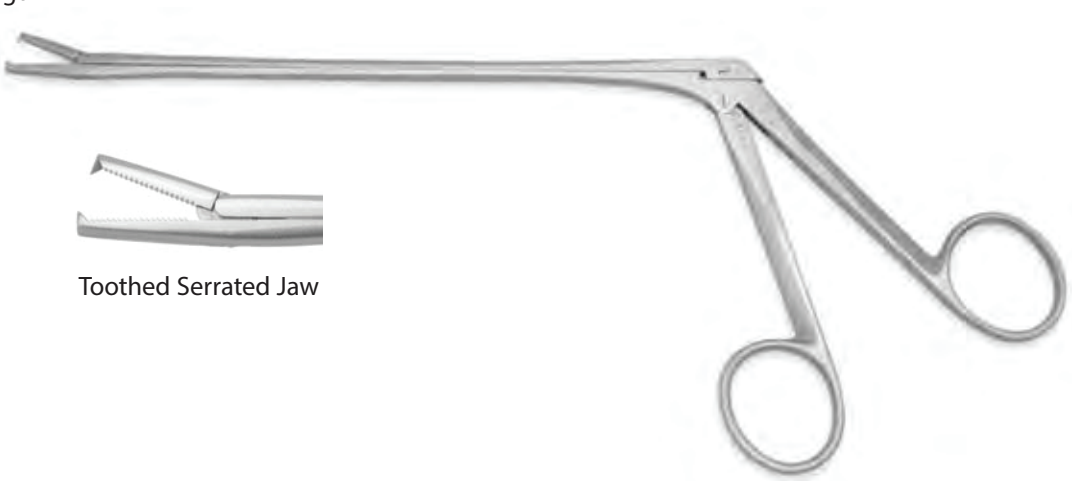


DISC RONGEURS

Munich Grasping Forceps

- 18cm/7" Shaft length
- 1x2 teeth
- Straight jaw

AZ1224-18



Toothed Serrated Jaw

Decker Ronguer

- 15cm/6" working length
- Straight 6mm jaw

AZ1223-15

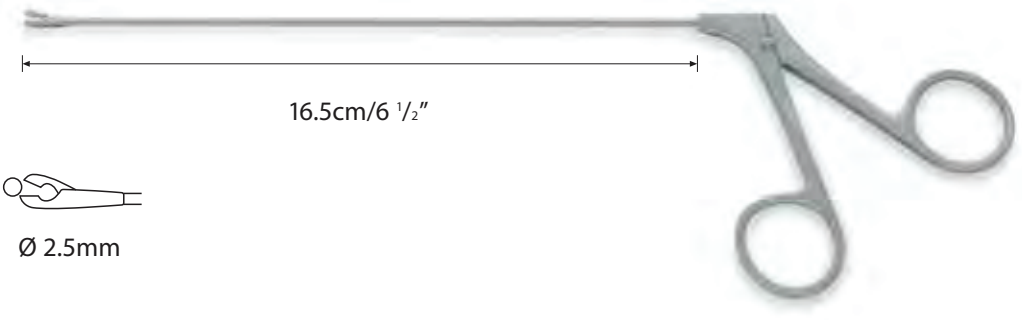


1.5mm Jaw

Nicola Micro Cupped Biopsy Forceps

- 16.5cm/6 ½" Shaft

AZ1222-16

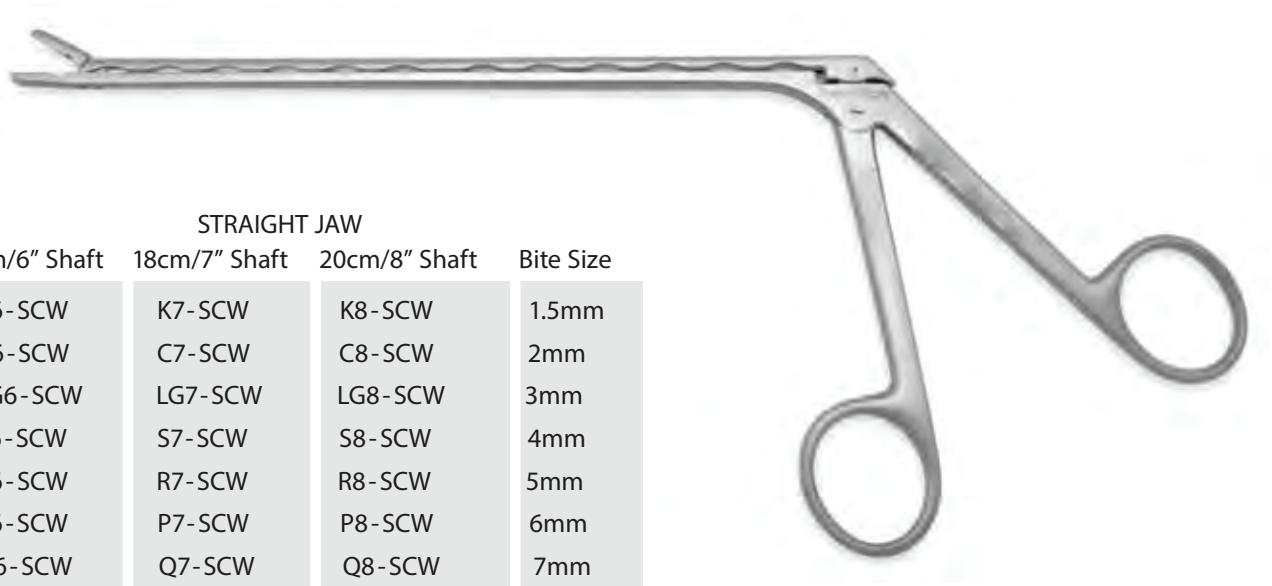


16.5cm/6 ½"

Ø 2.5mm

DISC RONGEURS

‘Clean Wave’ Intervertebral Disc Rongeur



STRAIGHT JAW

15cm/6″ Shaft	18cm/7″ Shaft	20cm/8″ Shaft	Bite Size
K6-SCW	K7-SCW	K8-SCW	1.5mm
C6-SCW	C7-SCW	C8-SCW	2mm
LG6-SCW	LG7-SCW	LG8-SCW	3mm
S6-SCW	S7-SCW	S8-SCW	4mm
R6-SCW	R7-SCW	R8-SCW	5mm
P6-SCW	P7-SCW	P8-SCW	6mm
Q6-SCW	Q7-SCW	Q8-SCW	7mm



- Open design of shaft allows cleaning of shaft

40˚ ANGLED UPWARD JAW

15cm/6″ Shaft	18cm/7″ Shaft	20cm/8″ Shaft	Bite Size
K6-UCW	K7-UCW	K8-UCW	1.5mm
C6-UCW	C7-UCW	C8-UCW	2mm
LG6-UCW	LG7-UCW	LG8-UCW	3mm
S6-UCW	S7-UCW	S8-UCW	4mm
R6-UCW	R7-UCW	R8-UCW	5mm
P6-UCW	P7-UCW	P8-UCW	6mm
Q6-UCW	Q7-UCW	Q8-UCW	7mm

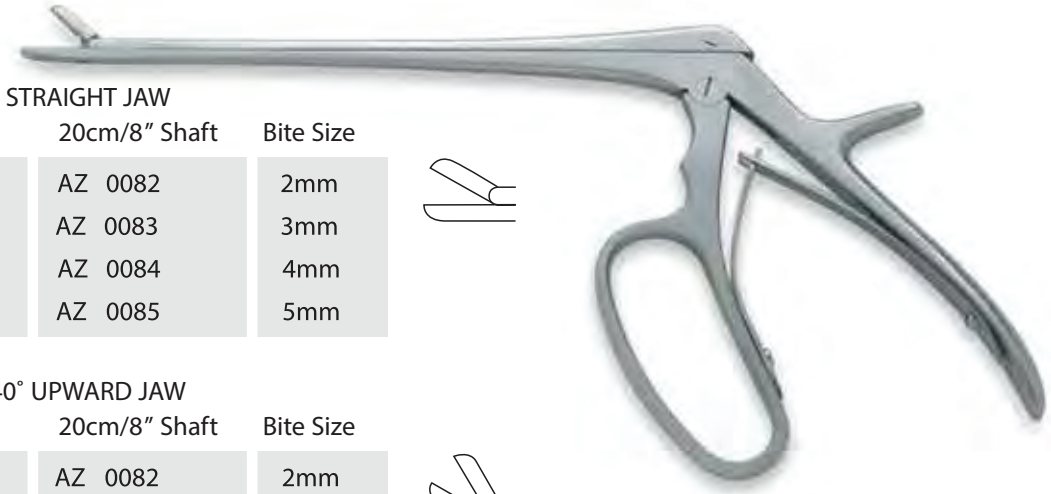
40˚ ANGLED DOWNWARD JAW

15cm/6″ Shaft	18cm/7″ Shaft	20cm/8″ Shaft	Bite Size
K6-DCW	K7-DCW	K8-DCW	1.5mm
C6-DCW	C7-DCW	C8-DCW	2mm
LG6-DCW	LG7-DCW	LG8-DCW	3mm
S6-DCW	S7-DCW	S8-DCW	4mm
R6-DCW	R7-DCW	R8-DCW	5mm
P6-DCW	P7-DCW	P8-DCW	6mm
Q6-DCW	Q7-DCW	Q8-DCW	7mm

DISC RONGEURS

Ferris-Smith Disc Rongeur

- Ring handle



STRAIGHT JAW

18cm/7″ Shaft	20cm/8″ Shaft	Bite Size
AZ 0072	AZ 0082	2mm
AZ 0073	AZ 0083	3mm
AZ 0074	AZ 0084	4mm
AZ 0075	AZ 0085	5mm

40° UPWARD JAW

18cm/7″ Shaft	20cm/8″ Shaft	Bite Size
AZ 0072	AZ 0082	2mm
AZ 0073	AZ 0083	3mm
AZ 0074	AZ 0084	4mm
AZ 0075	AZ 0085	5mm



Anterior Disc Rongeur

- 28cm/11″ Shaft
- Longer 28cm shaft for greater reach in the Anterior approach



Straight	Upward	Bite Size
A11S-2	A11U-2	2mm
A11S-3	A11U-3	3mm
A11S-4	A11U-4	4mm
A11S-5	A11U-5	5mm

Anterior Long Rongeur

- 35cm/13 1/2″ Shaft
- Extra long length shaft for deeper areas



STRAIGHT	UPWARD	Bite Size	
AZ7390-52	-	2.4mm	
AZ7390-54	AZ7390-84	4mm	
AZ7390-56	-	6mm	with teeth
AZ7390-58	AZ7390-88	8mm	with teeth

BONE NIBBLERS & CUTTERS

Lempert Bone Nibbler

- Single Action
- 19cm/7 ½″

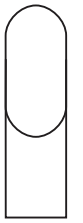


3mm Bite
AZ1001-19



Luer Bone Nibbler

- Single Action
- 18cm/7″



Straight
8mm Bite
AZ1004-18



Curved
8mm Bite
AZ1005-18

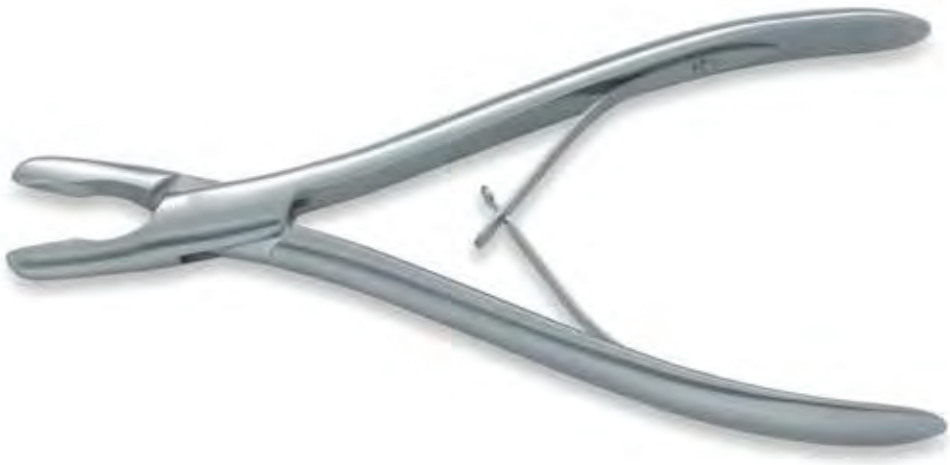


Adsons Bone Nibbler

- Single Action
- 20cm/8″



7mm Bite
AZ1040-20



BONE NIBBLERS & CUTTERS

Pennybacker Bone Nibbler

- Single Action
- 20cm/8"



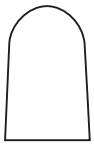
4mm Bite

AZ1041-20



Northfields Bone Nibbler

- Single Action
- 20cm/8"



10mm Bite

AZ1042-20

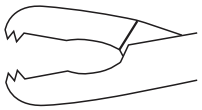


'Rat Toothed' Bone Nibbler

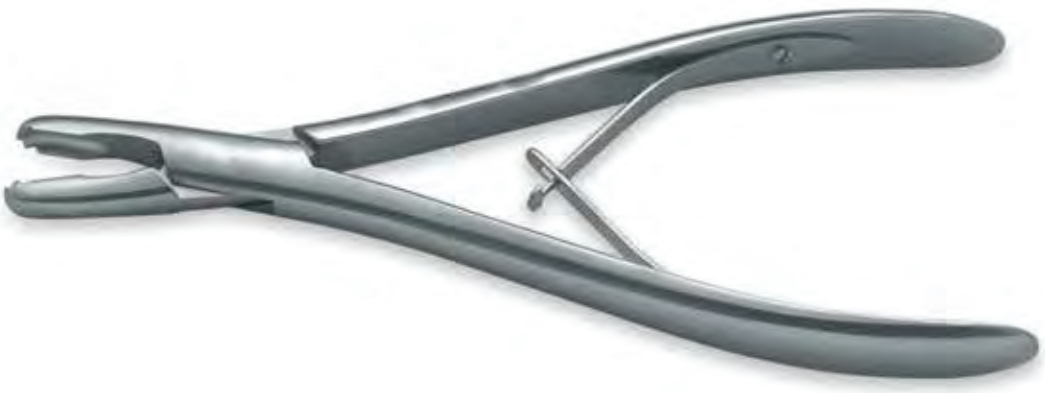
- Single Action
- 21cm/8 1/4"

8mm Bite

AZ1030-21



- 3 x 3 Teeth



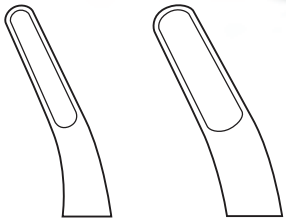
BONE NIBBLERS & CUTTERS

Zielke Intervertebral Rongeur

- Angled Parallel Jaws



21cm/8 ¼"	25cm/9 ¾"	Bite Size
AZ1026-21	SP1026-25	3mm
AZ1027-21	SP1027-25	5mm



3mm Bite

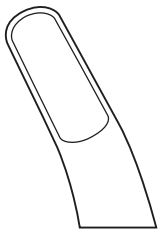
5mm Bite

Matzen Intervertebral Rongeur

- 20cm/8"
- Angled Jaws



8mm Bite
AZ1043-20

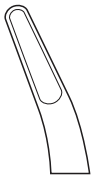


Beyer Bone Nibbler

- Curved Double Action
- 18cm/7"



4mm Bite
AZ1002-18



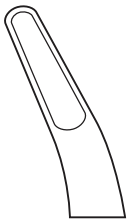
BONE NIBBLERS & CUTTERS

Jansen Bone Nibbler

- Curved Double Action
- 18cm/7"



5mm Bite
AZ1003-18

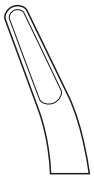


Marquardt Bone Nibbler

- Curved Double Action
- 20cm/8"



3mm Bite
AZ1002-20



Smith-Peterson Bone Nibbler

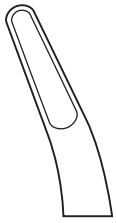
- Double Action
- 24cm/9 ½"



Straight	Light Curve	Bite Size
AZ1010-24	AZ1014-24	3mm
AZ1011-24	AZ1015-24	4mm
AZ1012-24	AZ1016-24	5mm
AZ1013-24	AZ1017-24	6mm



Straight



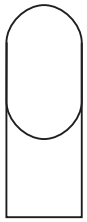
Light Curve

BONE NIBBLERS

Stille-Luer Bone Nibbler

- Double Action
- 22cm/8 ¾"





Straight
10mm Bite
AZ1006-22

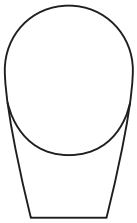


Curved
10mm Bite
AZ1007-22

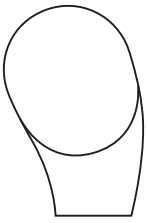
'Mr Blobby' Stille-Luer Bone Nibbler

- Double Action
- 26cm/10 ¼"





Straight
17mm Bite
AZ1008-26



Curved
17mm Bite
AZ1009-26

Leksell Bone Nibbler

- Double Action Angled
- 24cm/9 ½"



Angled Jaw	Bite Size
AZ1018-24	3mm
AZ1019-24	5mm
AZPS1**0**224	8mm

3mm 5mm 8mm

BONE NIBBLERS

Echlin Duckbill Nibbler

- Double Action
- 23cm/9″





2mm Bite
AZ1044-23



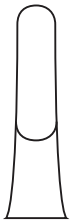
3mm Bite
AZ1045-23

4mm Bite
AZPS1644-23

Long Anterior Leksell Bone Nibbler

- Double Action
- 30cm/12″





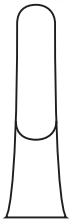
5mm Bite
AZ1021-30

8mm Bite
AZ1022-30

Sypert Bone Nibbler

- Double Action - very long
- 36cm/14 ¼″





5mm Bite
AZ1031-36



8mm Bite
AZ1032-36

BONE CUTTERS

McIndoe Bone Cutters

- 18cm/7″

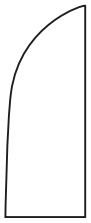


AZ1028-18



Stille-Liston Bone Cutters

- 27cm/10 ¾″



Straight

AZPS10227



Angled

AZ1025-27



Liston-Key-Horsley Bone Cutters

- 27cm/10 ¾″



AZ1023-27



Tudor Edwards/Vehmehren Costotome

- 24cm/9 ½″
- For cutting ribs

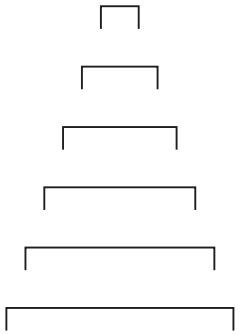
AZ1023-24



OSTEOTOMES

Dahmen Tufnol Handle Osteotome







Straight	Width
AZ7105-30	5mm
AZ7110-30	10mm
AZ7115-30	15mm
AZ7120-30	20mm
AZ7125-30	25mm
AZ7130-30	30mm

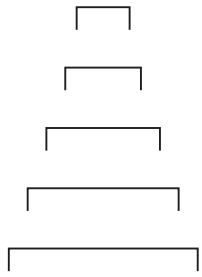


Angled	Width
AZ7305-30	5mm
AZ7310-30	10mm
AZ7315-30	15mm
AZ7320-30	20mm
AZ7325-30	25mm
AZ7330-30	30mm

Lexer Tufnol Handle Osteotome

- 22cm/8 ¾"



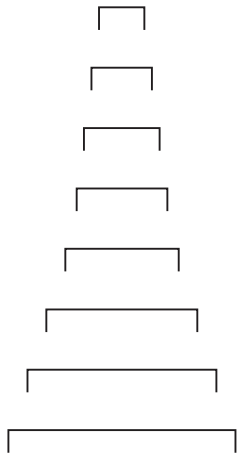


AZ7207-22	7mm
AZ7210-22	10mm
AZ7215-22	15mm
AZ7220-22	20mm
AZ7225-22	25mm

Stille Osteotome

- 20cm/8"





	Width
AZ7706-20	6mm
AZ7708-20	8mm
AZ7710-20	10mm
AZ7712-20	12mm
AZ7715-20	15mm
AZ7720-20	20mm
AZ7725-20	25mm
AZ7730-20	30mm

OSTEOTOMES & MALLETS

Scaglietti Straight Osteotome Set

AZ7452-00



Complete set consisting of:

Qty	Order Code	Description
5		Scaglietti Osteotomes - 5 sizes
1	AZ7420-90	Instrument Case

Scaglietti Osteotomes

- 26cm/10 1/4"



	Size
AZ7452-06	6mm
AZ7452-09	9mm
AZ7452-12	12mm
AZ7452-16	16mm
AZ7452-19	19mm

Toffee Mallet

- 19cm/7 1/2"
- Head size 22mm Ø
- Weight 165g/6oz

AZ5808-21



London Splint Mallet

- 18cm/7"
- Head size 30mm Ø
- Weight 450g/16.2oz

AZ5802-18



MALLETS

Heath Mallet

- 19cm/7 1/2"
- Stainless steel head
- Head size 40mm Ø
- Weight 1020g/36oz

AZ5809-19



Mallet with Tufnol Handle

- 23cm/9"
- Head size 35mm Ø
- Weight 550g/20oz

AZ5804-23



Ombredanne Mallet

- 24cm/9 1/2"
- Head size 40mm Ø
- Weight 550g/20oz

AZ5806-24



Tufnol Mallet

- 25.5cm/10"
- Head size 42mm Ø
- Weight 250g/10oz

AZ5807-25



ELEVATORS & GOUGES

Adson Periosteal Elevator

- 16cm/6 1/4"
- Curved blunt



	Width
AZ3055-16	5mm
AZ3007-16	7mm

Pennybacker Periosteal Elevator

- 16cm/6 1/4"
- Curved sharp



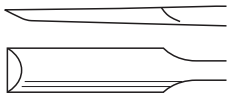
	Width
AZ3064-16	4mm
AZ3066-16	6mm
AZ3068-16	8mm

Bone Raspatory with Tufnol Handle

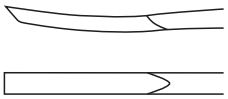
- 19cm/7 1/2"



Straight	Width
AZ7016-19	6mm



Curved	Width
AZ7023-19	3mm
AZ7026-19	6mm



Farabeuf Rugine Elevator

- 15cm/6"



*illustrated

Straight	Width
AZ3001-15	12mm

Curved*	Width
AZ3002-15	12mm

ELEVATORS & GOUGES

Trethowan Bone Lever

- 22.5cm/8 1/2"



AZ3030-22

Lanes Bone Lever

- 26cm/10 1/4"



AZ3031-26

Fagge Bone Lever

- 27.5cm/10 3/4"



AZ3032-27

Bristows Bone Elevator

- 23cm/9"
- Curved sharp



	Width
AZ3003-23	10mm

ELEVATORS & GOUGES

Hohmanns Bone Elevator

- 24cm/9 1/4"

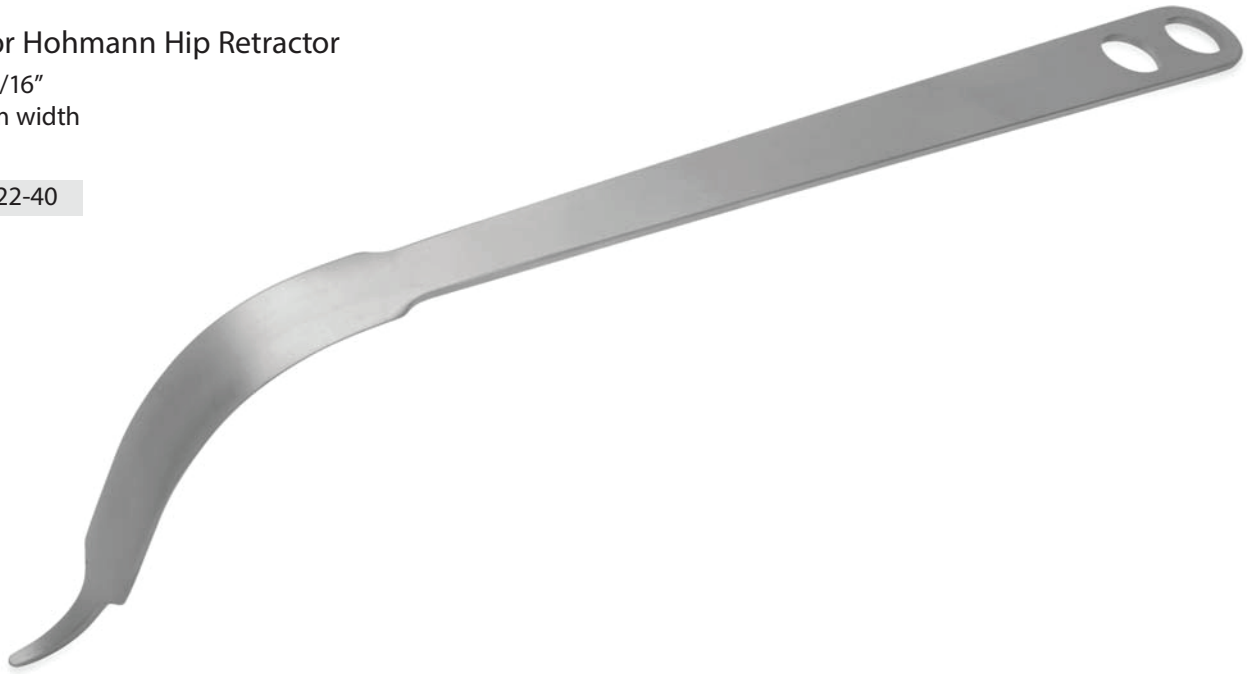


	Width
AZ3008-22	8mm
AZ3018-24	18mm
AZ3043-24	43mm

Inferior Hohmann Hip Retractor

- 40cm/16"
- 22mm width

AZ3022-40



Zielke Gouge

- 23cm/9"

*illustrated



Curved*	Width
AZ6520-23	6mm
AZ6521-23	9mm



S-Shaped	Width
AZ6522-23	6mm
AZ6523-23	9mm

Capener Lamina Gouge

- 23cm/9"
- Cranked Shaft



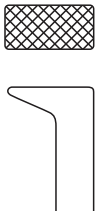
	Width
AZ6506-23	6mm
AZ6508-23	8mm
AZ6511-23	11mm
AZ6516-23	16mm

BONE GRAFT IMPACTORS

Cervical Bone Graft Impactor 90° Offset

- 22cm/8 1/2"





6mm x 12mm Tip

AZ7222-10



3.5mm x 6mm Tip

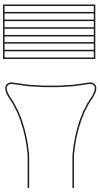
AZ7222-55

18cm length

Lumbar Bone Graft Impactor

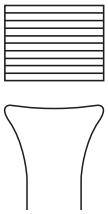
- 22cm/8 1/2"





7mm x 12mm

AZ7222-40



10mm x 13mm

AZ7222-50

Anterior Bone Graft Impactor

- 34cm/13 1/2"

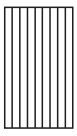


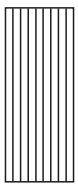
9 x 16mm Tip

AZ7439-48

9 x 23mm Tip

AZ7439-50





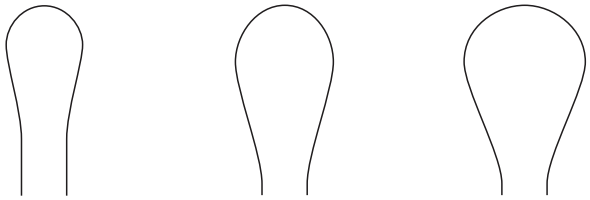
COBB ELEVATORS

Cobb Spinal Elevator

- 31cm/12 1/4" overall length
- 18cm/7" handle length



10mm	13mm	19mm
AZ7561-10	AZ7561-13	AZ7561-19

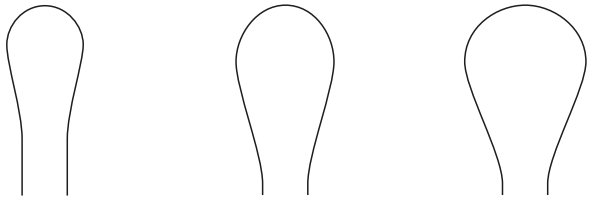


Harrington Cobb Spinal Elevator

- 30.5cm/12" overall lenth



10mm	13mm	19mm
AZ7661-10	AZPS7661613	AZ7661-19

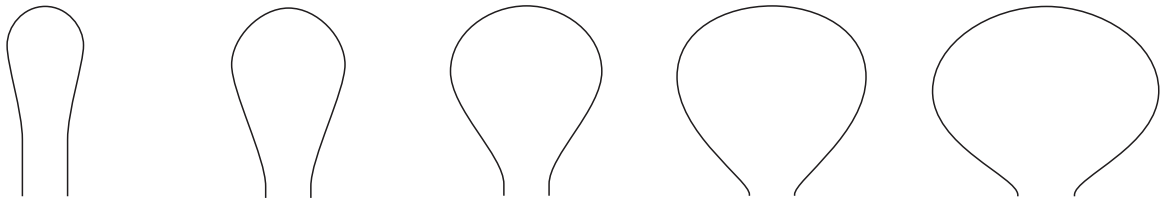


Cobb Spinal Elevator Extra Long Handle

- 34cm/13 1/2" overall lenth
- 22cm/8 3/4" handle length



10mm	15mm	20mm	25mm	30mm
AZ7662-10	AZ7662-15	AZ7662-20	AZ7662-25	AZ7662-30



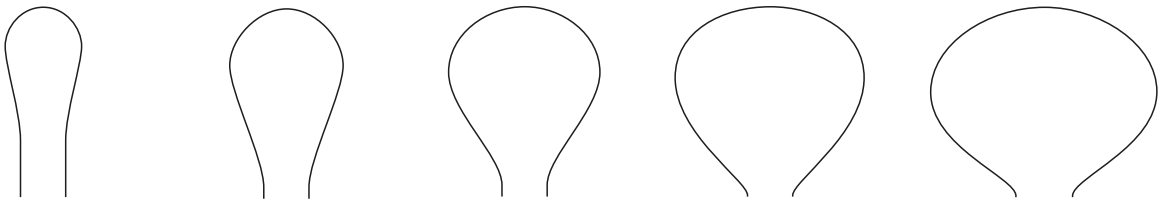
COBB ELEVATORS

Comfort Cobb Elevator

- 32cm/12 ½" overall length
- 20cm/8" handle length



10mm	15mm	20mm	25mm	30mm
AZ7551-10	AZ7551-15	AZ7551-20	AZ7551-25	AZ7551-30

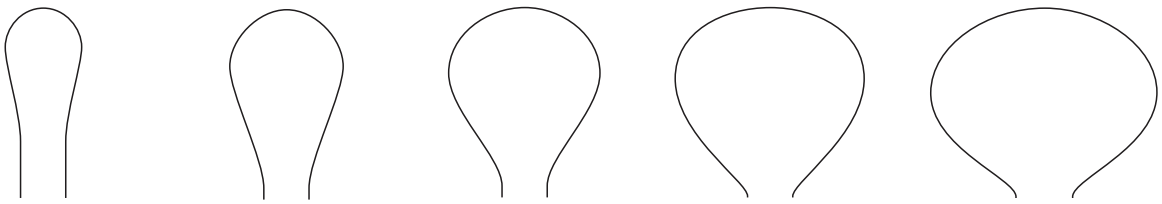


Long Anterior Comfort Cobb Elevator

- 47cm/18 ½"

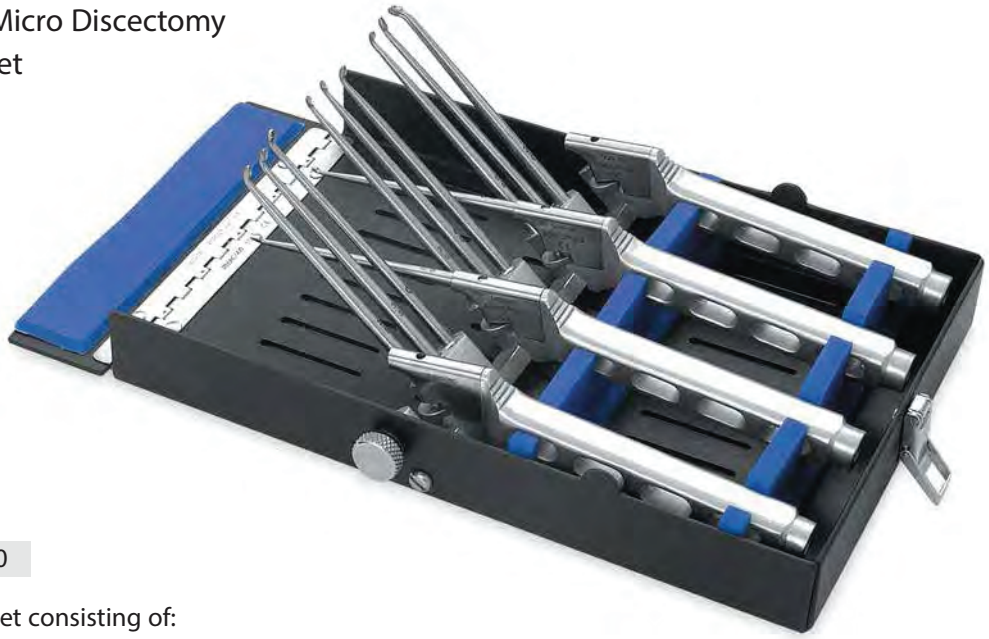


10mm	15mm	20mm	25mm	30mm
AZ7551-50	AZ7551-55	AZ7551-60	AZ755 1-65	AZ7551-70



BAYONET CERVICAL MICRO CURETTES

Cervical Micro Discectomy Curette Set



SP7420-00

Complete set consisting of:

Qty	Order Code	Description
4	AZ7420-80	Curette Handles
12		Cervical Curette Shafts - includes: 5 Straight Shafts/5 Angled Shafts/2 Down Pushing Shafts
1	AZ7420-90	Sterilizing Case

Slim Micro Discectomy Curette Handle

SP7420-80



- Bayonet handled design for improved visualisation
- 360° rotating shafts are interchangeable
- Shaft length is adjustable
- Lightweight handle
- Instrument length: 23cm max. for standard curettes
- Shaft length 10cm



Shaft Sizes

Straight Cup	Cup Size
AZ7420-50	00000
AZ7420-40	0000
AZ7420-30	000
AZ7420-20	00
AZ7420-10	0

Forward Angle	Cup Size
AZ7422-50	00000
AZ7422-40	0000
AZ7422-30	000
AZ7422-20	00
AZ7422-10	0

Down Pushing	Cup Size
AZ7424-20	00
AZ7424-10	0

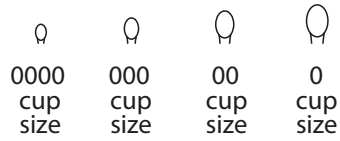
KARLIN STYLE BAYONET CERVICAL MICRO CURETTES



Bayonet Cervical Curette

- 21.5cm/8 1/2" overall length
- 9cm/3 1/2" shaft length

Straight Cup	Forward Angled	Cup Size
AZ7418-10C	AZ7418-12C	0
AZ7418-20C	AZ7418-22C	00
AZ7418-30C	AZ7418-32C	000
AZ7418-40C	AZ7418-42C	0000

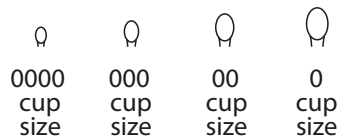




Long Bayonet Cervical Curette

- 24cm/9 1/2" overall length
- 12cm/4 3/4" shaft length

Straight Cup	Forward Angled	Cup Size
AZ7418-10CL	AZ7418-12CL	0
AZ7418-20CL	AZ7418-22CL	00
AZ7418-30CL	AZ7418-32CL	000
AZ7418-40CL	AZ7418-42CL	0000





Container for 12 curettes

AZ7418-98

SPINAL CURETTES

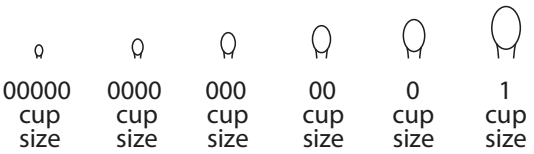
Lempert Curette

- 21cm/8 1/4"





Straight	Cup Size	Angled	Cup Size
AZ8010-21	00000	AZ8110-21	00000
AZ8015-21	0000	AZ8115-21	0000
AZ8020-21	000	AZ8120-21	000
AZ8025-21	00	AZ8125-21	00
AZ8030-21	0	AZ8130-21	0
AZ8040-21	1	AZ8140-21	1



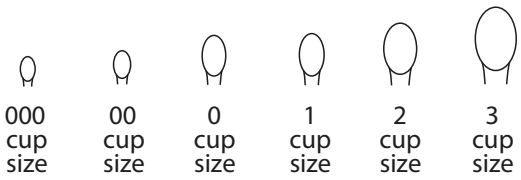
Bruns Curette

- 23cm/9"





Straight	Cup Size	Angled	Cup Size
AZ8220-23	000	AZ8320-23	000
AZ8225-23	00	AZ8325-23	00
AZ8230-23	0	AZ8330-23	0
AZ8240-23	1	AZ8340-23	1
AZ8250-23	2	AZ8350-23	2
AZ8260-23	3	AZ8360-23	3



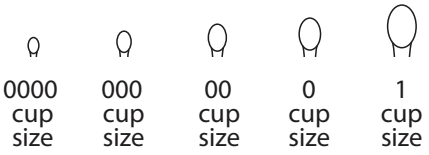
Tufnol Handle Micro Curette

- 27cm/10"





Straight	Cup Size	Angled	Cup Size
AZ8010-27	0000	AZ8110-27	0000
AZ8020-27	000	AZ8120-27	000
AZ8030-27	00	AZ8130-27	00
AZ8040-27	0	AZ8140-27	0
AZ8050-27	1	AZ8150-27	1

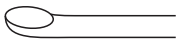


SPINAL CURETTES

Double Handled Extra Large Curette

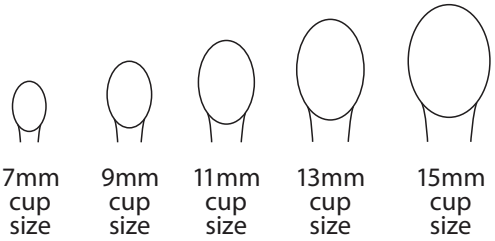
- 38cm/15" overall length
- 21cm/8 3/4" handle length







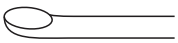
Straight	Cup Size	Angled	Cup Size
AZ8807-34	7mm	AZ8907-34	7mm
AZ8809-34	9mm	AZ8909-34	9mm
AZ8811-34	11mm	AZ8911-34	11mm
AZ8813-34	13mm	AZ8913-34	13mm
AZ8815-34	15mm	AZ8915-34	15mm



Comfort Handle Curette

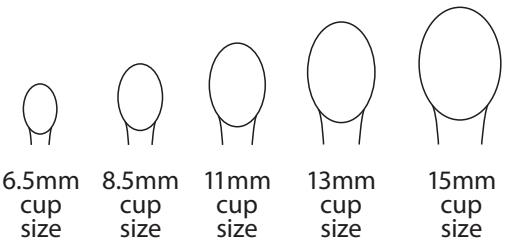
- 29cm/11 1/2" overall length
- 20cm handle length







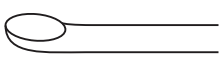
Straight	Cup Size	Angled	Cup Size
AZ7561-07	6.5mm	AZ7563-07	6.5mm
AZ7561-09	8.5mm	AZ7563-09	8.5mm
AZ7561-11	11mm	AZ7563-11	11mm
AZ7561-13	13mm	AZ7563-13	13mm
AZ7561-15	15mm	AZ7563-15	15mm



Long Anterior Curette

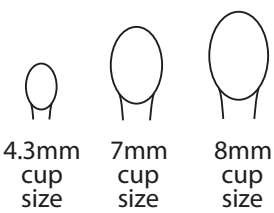
- 38cm/15" overall length







Straight	Cup Size	Angled	Cup Size
AZ8043-38	4.3mm	AZ8143-38	4.3mm
AZ8070-38	7mm	AZ8170-38	7mm
AZ8080-38	8mm	AZ8180-38	8mm



SPINAL CURETTES

Light-Grip Cervical Curettes

- 26cm/10 1/4" overall length
- 13cm/5 1/4" handle length
- Colour coded handles



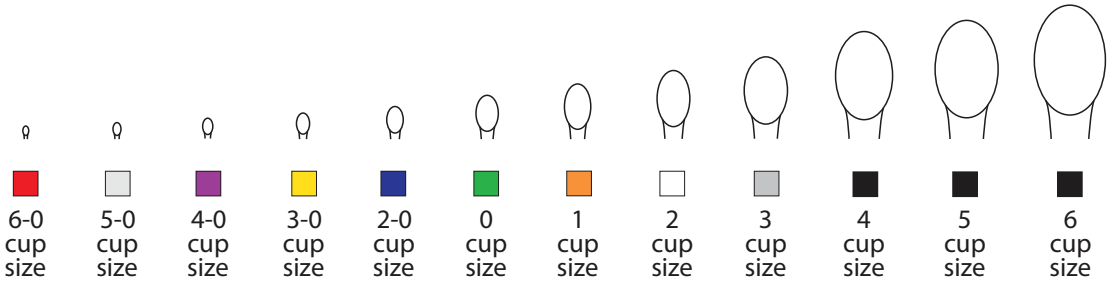


Light-Grip Cervical Curette Rack
Holds 12 Cervical Curettes

AZ7404-90



Cup Size	Straight	Forward	Down
6-0	AZ7403-06	AZ7405-06	AZ7406-06
5-0	AZ7403-05	AZ7405-05	AZ7406-05
4-0	AZ7403-04	AZ7405-04	AZ7406-04
3-0	AZ7403-03	AZ7405-03	AZ7406-03
2-0	AZ7403-02	AZ7405-02	AZ7406-02
0	AZ7403-01	AZ7405-01	AZ7406-01
1	AZ7403-10	AZ7405-10	AZ7406-10
2	AZ7403-20	AZ7405-20	AZ7406-20
3	AZ7403-30	AZ7405-30	AZ7406-30
4	AZ7403-40	AZ7405-40	AZ7406-40
5	AZ7403-50	AZ7405-50	AZ7406-50
6	AZ7403-60	AZ7405-60	AZ7406-60



SPINAL CURETTES

Light-Grip Lumbar Curettes

- 34cm/13 1/2" overall length
- 20cm/8" handle length
- Colour coded handles

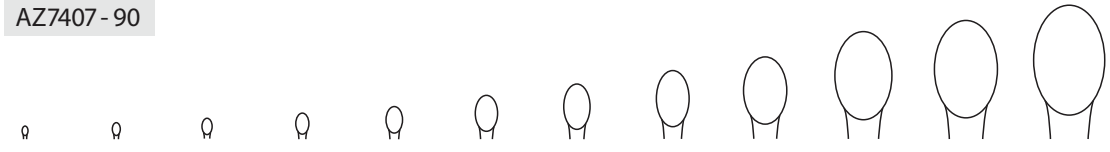




Light-Grip Lumbar Curette Rack
Holds 12 Lumbar Curettes

AZ7407-90

Cup Size	Straight	Forward	Down
6-0	AZ7407-06	AZ7408-06	AZ7409-06
5-0	AZ7407-05	AZ7408-05	AZ7409-05
4-0	AZ7407-04	AZ7408-04	AZ7409-04
3-0	AZ7407-03	AZ7408-03	AZ7409-03
2-0	AZ7407-02	AZ7408-02	AZ7409-02
0	AZ7407-01	AZ7408-01	AZ7409-01
1	AZ7407-10	AZ7408-10	AZ7409-10
2	AZ7407-20	AZ7408-20	AZ7409-20
3	AZ7407-30	AZ7408-30	AZ7409-30
4	AZ7407-40	AZ7408-40	AZ7409-40
5	AZ7407-50	AZ7408-50	AZ7409-50
6	AZ7407-60	AZ7408-60	AZ7409-60

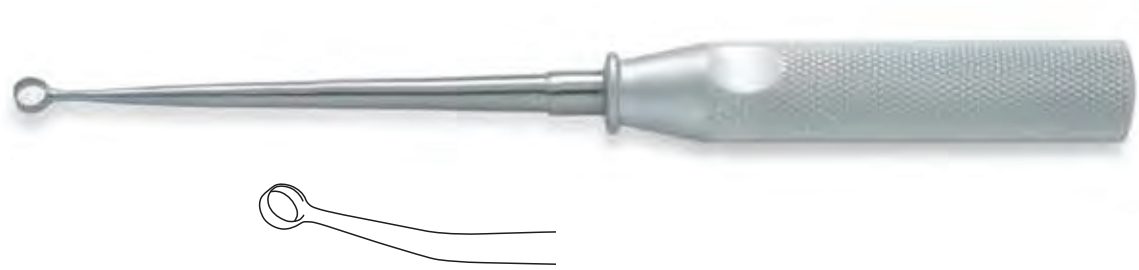


6-0 cup size | 5-0 cup size | 4-0 cup size | 3-0 cup size | 2-0 cup size | 0 cup size | 1 cup size | 2 cup size | 3 cup size | 4 cup size | 5 cup size | 6 cup size

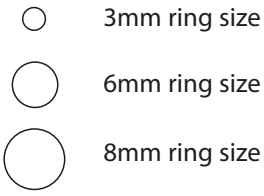
SPINAL CURETTES

Cones Ring Curette

- 23cm/9″



Straight	Ring Size	Angled	Ring Size
AZ8803-23	3mm	AZ8903-23	3mm
AZ8806-23	6mm	AZ8906-23	6mm
AZ8808-23	8mm	AZ8908-23	8mm



Zielke Curette

- 21cm/8 1/4″



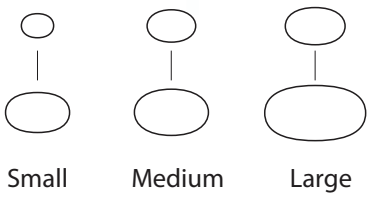
Straight	Size	Angled	Size
AZ8608-21	8mm	AZ8708-21	8mm
AZ8611-21	11mm	AZ8711-21	11mm

Volkmann Double Ended Curette

- 22cm/8 3/4″



	Size
AZ8401-22	Small
AZ8402-22	Medium
AZ8403-22	Large



DISSECTORS

Swedish Dissector

- 18cm/7″



AZ9201-18

Howarth Elevator

- 21.5cm/8 ½″



AZ9207-21

MacDonald Elevator/Dissector



	Size
AZ7105-19	18cm/7″
AZ9206-23	23cm/9″

Watson Cheyne Dissector



	Size
AZ7203-18	18cm/7″
AZ9203-23	23cm/9″
AZ9203-25	25.5cm/10″

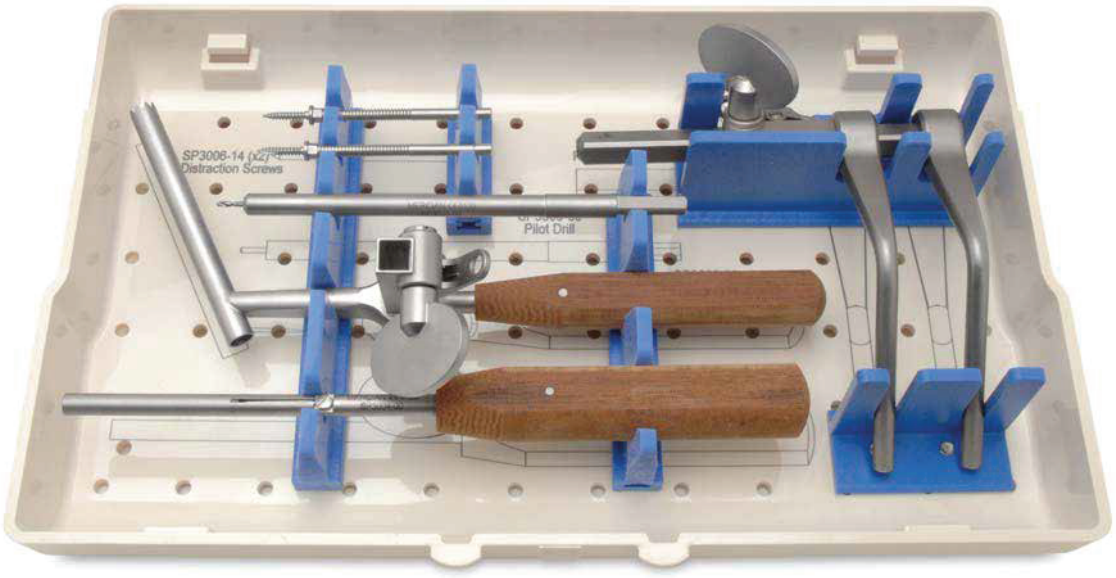
Freers Elevator/Dissector

- 18.5cm/7 ¼″



AZ7602-18

CASPAR CERVICAL DISTRACTION SET



Caspar Vertebral Body Distraction Set

AZ3001-00

- For retraction of the vertebral body in the cervical spine to allow access to the disc
- Less instrumentation in the disc space
- Distraction scews are secured into the vertebral body either side of the disc, the retractor is then slid over the screws and retracted

Complete set consisting of:

Qty	Order Code	Description
1	AZ3002-00	Retractor Right
1	AZ3003-00	Drill Guide Right
1	AZ3004-00	Screw Driver
1	AZ3005-00	Distraction Drill
1	AZ3006-14	Sterile Distraction Screws 14mm Boxes of 10

Distraction Retractor

AZ3002-00 Right (illustrated)

AZ3002-10 Left



CASPAR CERVICAL DISTRACTION SET

Drill Guide

AZ3003-00	Right (illustrated)
AZ3003-10	Left



Screw Driver

AZ3004-00



Distraction Drill

AZ3005-00



- For pre-drilling pilot holes for screws with drill guide 2mm

Distraction Screws

- 7cm post length
- Sterile packed



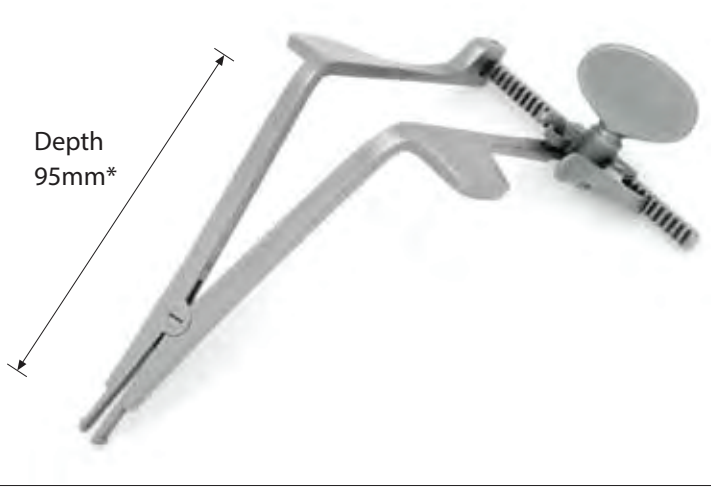
	Thread length
AZ3006-12	12mm
AZ3006-14	14mm
AZ3006-16	16mm

LAMINA & VERTEBRAL SPREADERS

Cervical Vertebral Spreader

- 13cm/5 ¼"
- 3mm tip

	Depth	
AZ2002-70	70mm	
AZ2002-95	95mm	*



Cloward Cervical Spreader

- 17cm/6 ¾"
- Max opening 20mm

AZ2003-17



Cloward Lamina Spreader

- 15cm/6"

AZ-2004-70

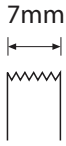


LAMINA & VERTEBRAL SPREADERS

Baby Inge Lamina Spreader

- 18cm/7"

AZ5134-18

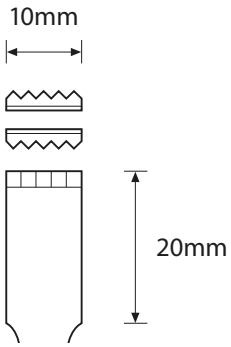




Inge Lamina Spreader

- 24cm/9 ½", Max opening 50mm

AZ2006-24





Scaglietti Lamina Spreader

- 28cm/11"
- With speed lock

AZ2009-28



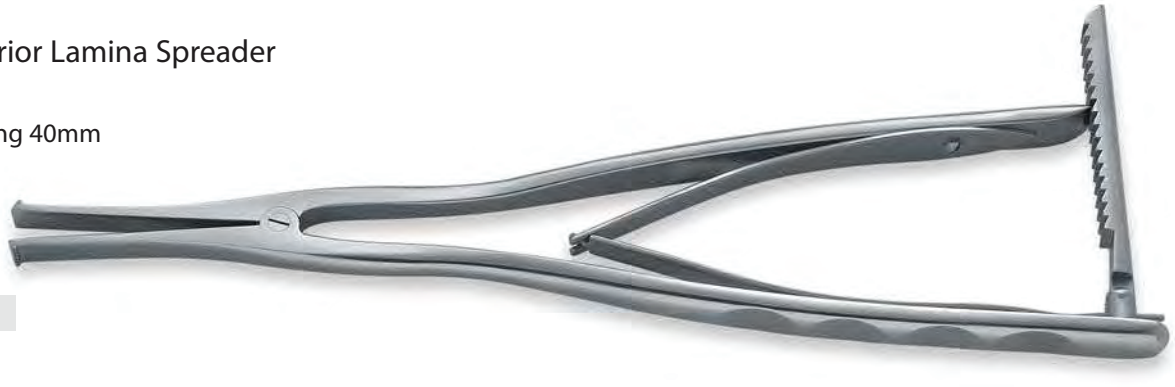


Long Anterior Lamina Spreader

- 28cm/11"
- Max opening 40mm

AZ2008-28





HOOKS & PROBES

Adson Dural Hook

- 19cm/7 1/2"

Sharp
AZ9103-19

Blunt
AZ9104-19



Titanium Micro Hooks

- 19cm/7 1/2"





90° Semi-sharp
AZ8109-19



90° Blunt
AZ8110-19

Crile Blunt Hook

- 20cm/8"
- 7mm tip length



AZ9111-20

Emmet Sharp Hook

- 22cm/8 3/4"
- 5mm tip length



AZ9106-22

Cushing Blunt Hook

- 28cm/11"
- 4mm tip length



AZ9107-28

HOOKS & PROBES

Adson Hook

- 20cm/8"
- 5mm tip length





Sharp
AZ9101-20



Blunt
AZ9102-20

McCulloch Probe with Ball End

- 23.5cm/9 1/4"





4mm Tip
AZ5250-13



6mm Tip
AZ5250-14

Manipulation Hook

- 23.5cm/9 1/4"
- 4mm tip length



AZ5250-15

Blalock Blunt Hook

- 24cm/9 1/2"
- 5mm tip length



AZ9108-24

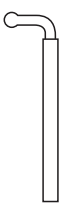
Caspar Exploration Probe

- 24.5cm/9 3/4"
- Insulated shaft

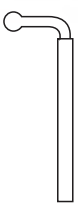




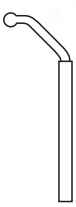
AZ9151-24



AZPS9215 24



AZ9153-24



AZ9154-24

NERVE ROOT RETRACTORS

Love Bayonet Nerve Root Retractor

- 21cm/8 1/4"



AZ5000-21

Krayenbuhl Nerve Root Retractor

- Double bayonet
- 21cm/8 1/4"



21cm/8 1/4" AZ5041-21

24cm/9 1/2" AZ5042-24

O'Connell Nerve Root Retractor

- 21.5cm/8 1/2"

AZ5002-21



Love Nerve Root Retractor

- 22cm/8 3/4"
- 5mm tip width



AZ5010-22	Straight
AZ5011-22	25° Angled
AZ5012-22	90° Angled

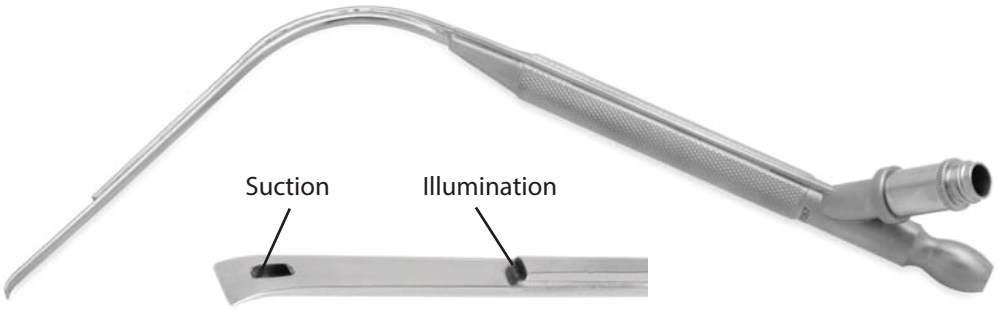
*illustrated

NERVE ROOT RETRACTORS

Shepperd Suction Nerve Root Retractor

- 26cm/10 ½"
- With suction aspiration
- Fibre optic illumination
- 4mm tip width

AZ5015-26



Nerve Root Retractor with suction

- 31cm/12"
- 7mm tip width

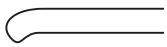
AZ5013-31

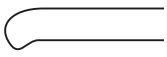


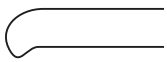
Hess Nerve Root Retractor

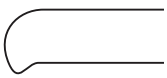
- 19cm/7 ½"

	Width
AZ5003-19	3mm
AZ5004-19	4mm
AZ5005-19	5mm
AZ5007-19	7mm


3mm


4mm

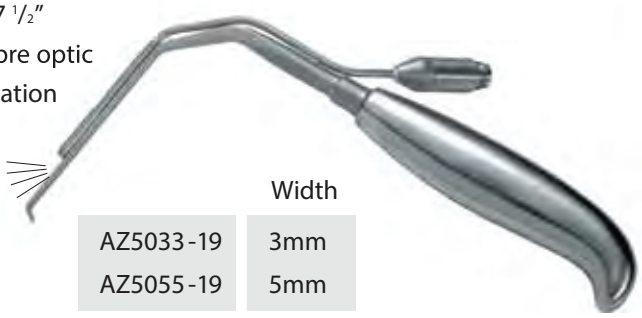

5mm


7mm



Nerve Root Retractor

19cm/7 ½"
with fibre optic
illumination



	Width
AZ5033-19	3mm
AZ5055-19	5mm

HAND HELD RETRACTORS

Meyerding Retractor

- 22.5cm/9″



	Blade size
AZ5050-22	50mm x 16mm
AZ5075-22	75mm x 25mm
AZ5090-22	90mm x 50mm

Langenbeck Retractor

- 21.5cm/8 ½″



	Blade size
AZ5122-21	22mm x 6mm
AZ5145-21	45mm x 13mm
AZ5165-21	65mm x 25mm
AZ5190-21	90mm x 20mm



Taylor Hip Retractor

- 19cm/7 ½″

	Depth
AZ5006-19	70mm
AZ5008-19	85mm
AZ5010-19	100mm



Cloward Style Blade Retractor

- 11cm/4 ¼″

	Width
AZ5013-11	13mm
AZ5018-11	18mm
AZ5020-11	20mm

Bone Hook

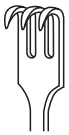
- 24.5cm/9 ¾″
- Sharp

AZ9050-24



Volkmann Catspaw Retractor

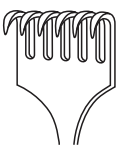
- Semi sharp teeth
- 21.5cm/8 ½″



15 x 15mm
3 Prong
AZ5015-21



15 x 20mm
4 Prong
AZ5020-21



15 x 30mm
6 Prong
AZ5030-21



SELF RETAINING RETRACTORS

Baby Weitlaner S/R Retractor

- 11.5cm/4 ½"
- 2 x 3 Blunt Prongs

AZ5701-10



Mollison S/R Retractor - Child

- 13cm/5 ¼"
- 2 x 2 Sharp prongs 12mm depth

AZ4005-13



Mollison S/R Retractor - Adult

- 17cm/6 ¾"
- 4 x 4 Sharp prongs 14mm depth

AZ4005-17



SELF RETAINING RETRACTORS

Wests S/R Retractor

- 14cm/5 ½"
- 3 x 4 Sharp Prongs

AZ4003-14

Weitlaner S/R Retractor

- 14cm/5 ½"
- 3 x 4 Blunt Prongs

AZ4002-14



Travers S/R Retractor

- 20cm/8"
- 4 x 5 Blunt Prongs

AZ4004-20



Norfolk and Norwich S/R Retractor

- 20cm/8"
- 4 x 5 Blunt Prongs

AZ4000-20



SELF RETAINING RETRACTORS

Cones Self Retaining Retractor

- 3 x 4 Prongs
- Jointed Arms



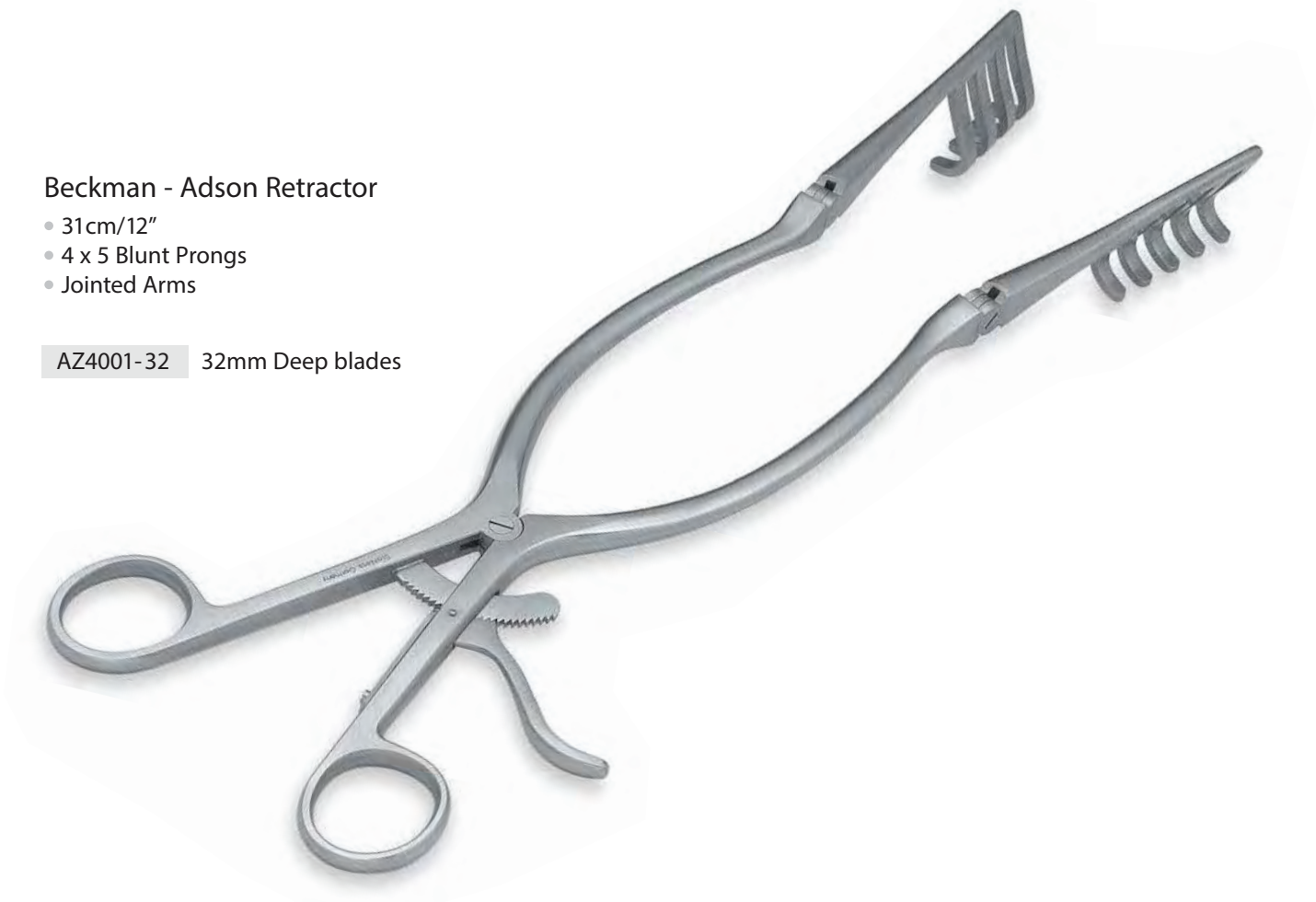
Blunt Prongs	Length
AZ4064-13	13cm/5"
AZ4066-16	16cm/6 1/2"
AZ4068-20	20cm/8"
AZPS4072-24	24cm/9/ 2"

Sharp Prongs	Length
AZ4063-13	13cm/5"
AZ4065-16	16cm/6 1/2"
AZ4067-20	20cm/8"
AZ4069-24	24cm/9/ 2"

Beckman - Adson Retractor

- 31cm/12"
- 4 x 5 Blunt Prongs
- Jointed Arms

AZ4001-32	32mm Deep blades



SELF RETAINING RETRACTORS

Gelpi Laminectomy Retractor

- Sharp Prongs

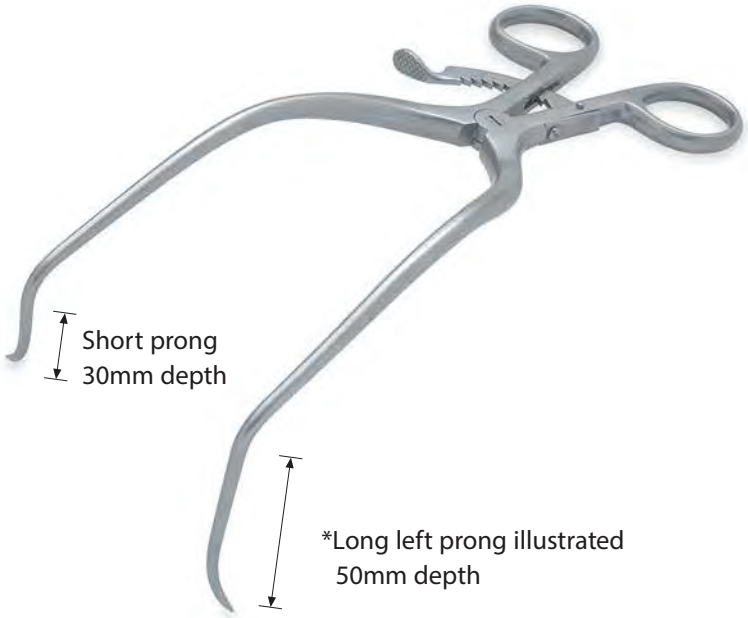
		Prong depth
18.5cm/7 1/4"	AZ4030-16	30mm
19.5cm/7 3/4"	AZ4050-16	50mm
20cm/8"	AZ4070-16	70mm



Hardman Retractor

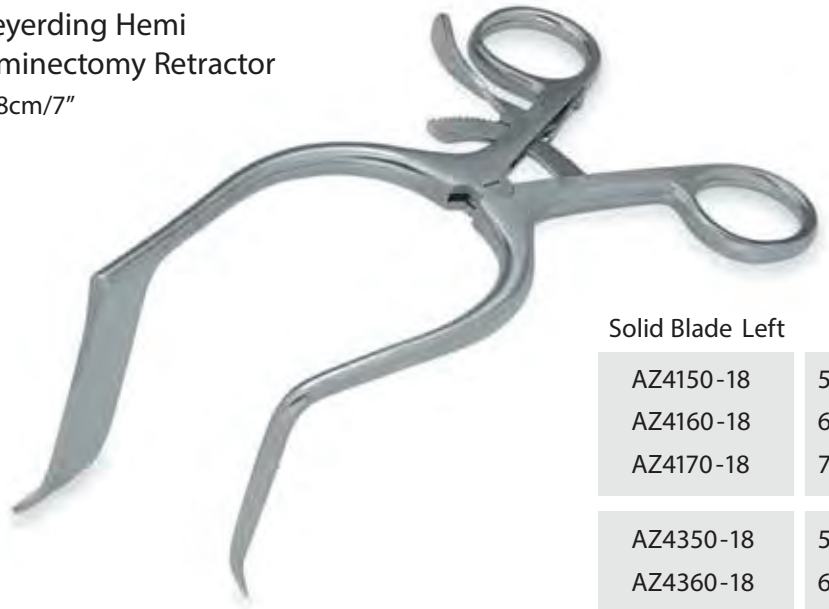
- 20cm/8"

	Prong depth
AZ4550-20	50mm equal prongs
AZPS4500-20	long prong - Left*
AZ4300-20	long prong - Right



Meyerding Hemi Laminectomy Retractor

- 18cm/7"



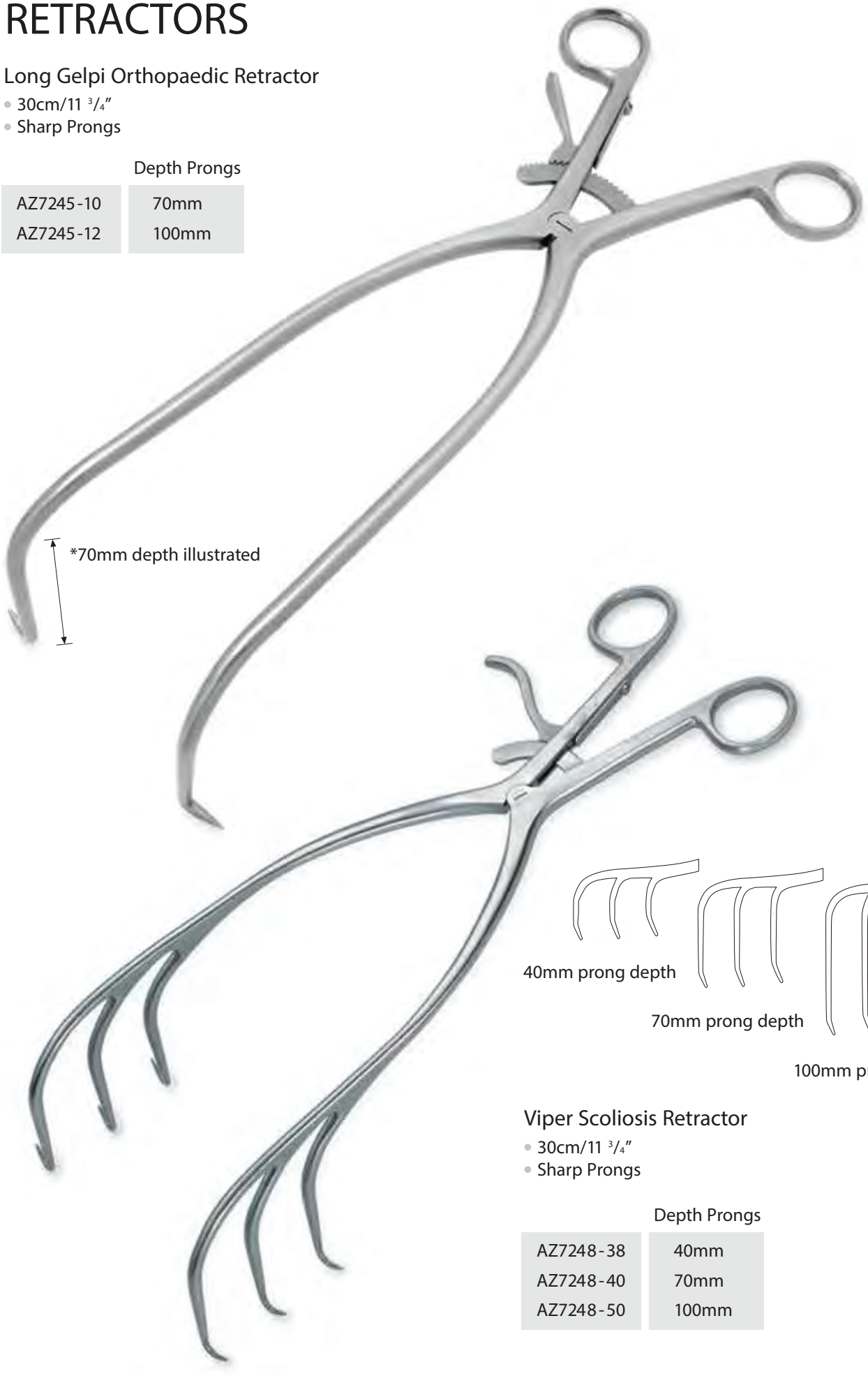
Solid Blade Left	Blade Size	Solid Blade Right	
AZ4150-18	50 x 10mm	AZ4250-18	Narrow Blade
AZ4160-18	60 x 10mm	AZ4260-18	
AZ4170-18	70 x 10mm	AZ4270-18	
AZ4350-18	50 x 20mm	AZ4450-18	Wide Blade
AZ4360-18	60 x 20mm	AZ4460-18	
AZ4370-18	70 x 20mm	AZ4470-18	

SELF RETAINING RETRACTORS

Long Gelpi Orthopaedic Retractor

- 30cm/11 3/4"
- Sharp Prongs

	Depth Prongs
AZ7245-10	70mm
AZ7245-12	100mm



Viper Scoliosis Retractor

- 30cm/11 3/4"
- Sharp Prongs

	Depth Prongs
AZ7248-38	40mm
AZ7248-40	70mm
AZ7248-50	100mm

MICRO DISCECTOMY RETRACTOR



- This Specialist Retractor allows the Consultant the optimal exposure to the Disc with the minimum incision.
- The Design of the Retractor allows unhindered access around the wound with the jointed arms folding along the patients Back.
- The Black finish eliminates distracting reflections under the Microscope during Surgery.
- The wide selection of Blades available allows the Surgeon full flexibility in approaches to the Disc.

Basic Micro-Discectomy Retractor Set

AZ5200-00

Complete set consisting of:

Qty	Order Code	Description
1 each	AZ5202-00	Retractor Frame
4 pairs	AZ5204-40	Wide Muscle Blades Sizes 4cm to 7cm depth
4 pairs	AZ5206-40	Narrow Muscle Blades Sizes 4cm to 7cm depth
4 each	AZ5208-40	Hook Blades Sizes 3cm to 6cm depth
4 each	AZ5210-40	Toothed Blades Sizes 3cm to 6cm depth
1 each	AZ5200-10	Instrument Container

Extended Micro-Discectomy Retractor Set

AZ5200-01

Complete set consisting of:

Qty	Order Code	Description
2 each	AZ5202-00	Retractor Frames
6 pairs	AZ5204-60	Wide Muscle Blades Sizes 3cm to 8cm depth
6 pairs	AZ5206-60	Narrow Muscle Blades Sizes 3cm to 8cm depth
6 each	AZ5208-60	Hook Blades Sizes 2cm to 7cm depth
6 each	AZ5210-60	Toothed Blades Sizes 2cm to 7cm depth
1 each	AZ5200-10	Instrument Container

MICRO DISCECTOMY RETRACTOR



Retractor Frame
- Jointed arms
- Maximum spread 70mm

AZ5202-00

Retractor Frame
- Rigid arms

AZ5203-00

(Frame available with extra long rack 140mm spread)

Jointed Arms





Wide Muscle Blades - 6 Teeth

27mm width	
AZ5204-03	3cm depth
AZ5204-04	4cm depth
AZ5204-05	5cm depth
AZ5204-06	6cm depth
AZ5204-07	7cm depth
AZ5204-08	8cm depth
AZ5204-09	9cm depth
AZ5204-10	10cm depth
AZ5204-12	12cm depth

Extra Deep



Hook Blades

AZ5208-02	2cm depth
AZ5208-03	3cm depth
AZ5208-04	4cm depth
AZ5208-05	5cm depth
AZ5208-06	6cm depth
AZ5208-07	7cm depth
AZ5208-08	8cm depth
AZ5208-09	9cm depth
AZ5208-10	10cm depth

Extra Deep



Narrow Muscle Blades - 4 Teeth

20mm width	
AZ5206-03	3cm depth
AZ5206-04	4cm depth
AZ5206-05	5cm depth
AZ5206-06	6cm depth
AZ5206-07	7cm depth
AZ5206-08	8cm depth
AZ5206-09	9cm depth
AZ5206-10	10cm depth
AZ5206-12	12cm depth

Extra Deep



Toothed Blades

AZ5210-02	2cm depth
AZ5210-03	3cm depth
AZ5210-04	4cm depth
AZ5210-05	5cm depth
AZ5210-06	6cm depth
AZ5210-07	7cm depth
AZ5210-08	8cm depth
AZ5210-09	9cm depth
AZ5210-10	10cm depth

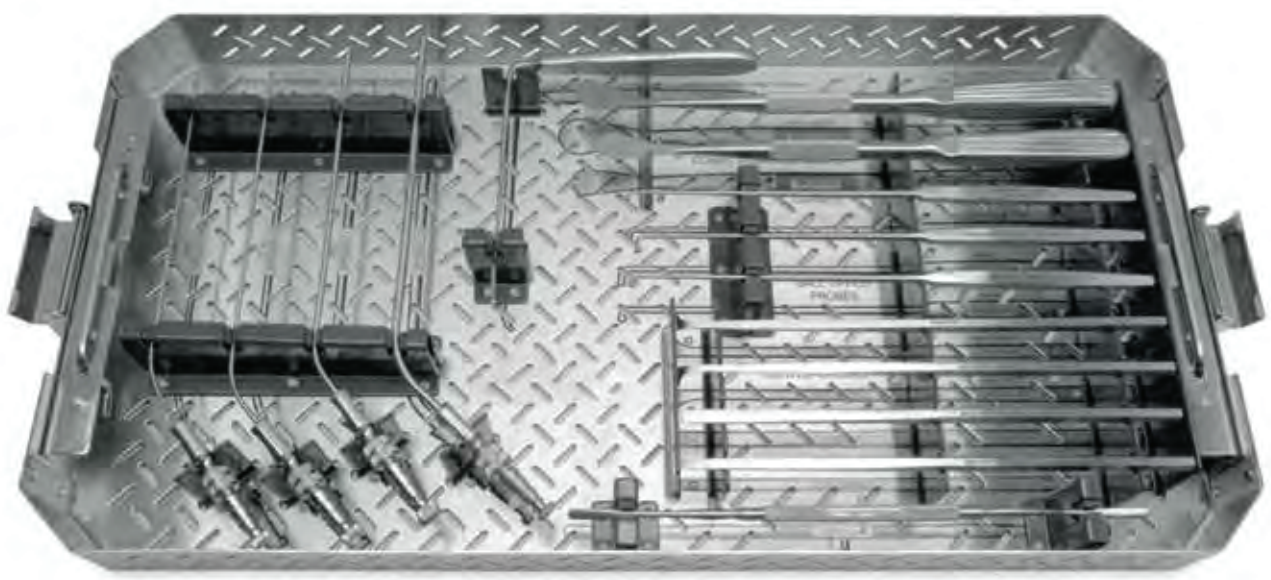
Extra Deep



Thin Muscle Blades - 2 Teeth

17mm width	
AZ5207-03	3cm depth
AZ5207-04	4cm depth
AZ5207-05	5cm depth
AZ5207-06	6cm depth
AZ5207-07	7cm depth
AZ5207-08	8cm depth

MICRO DISCECTOMY INSTRUMENT SET



McCulloch Style Instrument Set with Container AZ5200-05

Complete set consisting of:

Qty	Order Code	Description
1	AZ5250-15	McCulloch Spinal Hook, 4mm tip - 23cm/9" length
1	AZ5250-13	McCulloch Spinal Probe, 4mm tip - 23cm/9" length
1	AZ5250-14	McCulloch Spinal Probe, 6mm tip - 23cm/9" length
1	AZ5250- 07	Cobbs Spinal Elevator, 12mm width - 26cm/10 1/4" length
1	AZ5250-08	Cobbs Spinal Elevator, 19mm width - 26cm/10 1/4" length
1	AZ5250-03	Spinal Osteotome, 4mm width - 22cm/8 1/2" length
1	AZ5250-04	Spinal Osteotome, 6mm width - 22cm/8 1/2" length
1	AZ5250-05	'Hockey Stick' Chisel, 5mm width - 22cm/8 1/2" length, curved right
1	AZ5250-06	'Hockey Stick' Chisel, 5mm width - 22cm/8 1/2" length, curved left
1	AZ5250-01	Elevator Double Ended, 24cm/9 3/4" length
1	AZ5250-09	McCulloch Suction Tube, Fenestrated tip, 23cm/9" length, 6FG, 2.0mm Ø
1	AZ5250-10	McCulloch Suction Tube, Fenestrated tip, 23cm/9" length, 7FG, 2.3mmØ
1	AZ5250 -11	McCulloch Suction Tube, Fenestrated tip, 23cm/9" length, 9FG, 3.0mm Ø
1	AZ5250-12	McCulloch Suction Tube, Fenestrated tip, 23cm/9" length, 12FG, 4.0mm Ø
1	AZ5250- 02	McCulloch Nerve Root Retractor, 90˚angled, 6mm tip, 12.5cm/5" working length

McCulloch Style Spinal Hook/Probe

- 23cm/9" length

Hook
Tip 4mm
AZ5250-15



Probe Ball
Tip 4mm
AZ5250-13



Probe Ball
Tip 6mm
AZ5250-14





MICRO DISCECTOMY SET

Cobbs Spinal Elevator

- 26cm/10 1/4" length



	Width
AZ5250-07	12mm
AZ5250-08	19mm

Spinal Osteotome

- 22cm/8 1/2" length



	Width
AZ5250-03	4mm
AZ5250-04	6mm

'Hockey Stick' Chisel

- 5mm Width
- 22cm/8 1/2" length



AZ5250-05	Curved right
AZ5250-06	Curved left

Elevator Double Ended

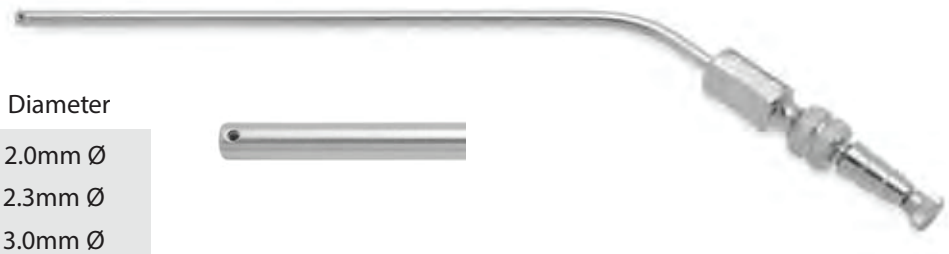
- 24cm/9 3/4" length



AZ5250-01

McCulloch Suction Tube

- 23cm/9" length
- Fenestrated tip



	FG	Diameter
AZ5250-09	6FG	2.0mm Ø
AZ5250-10	7FG	2.3mm Ø
AZ5250-11	9FG	3.0mm Ø
AZ5250-12	12FG	4.0mm Ø

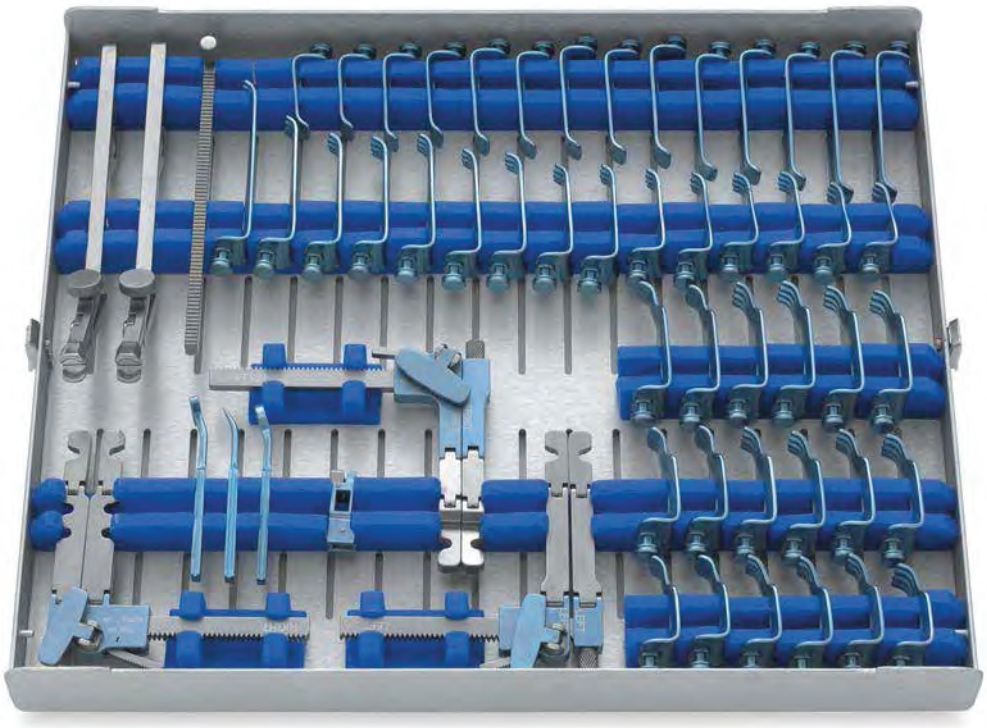
McCulloch Nerve Root Retractor

- 90˚ Angled
- 6mm tip
- 12.5cm/5" working length



AZ5250-02

‘BLACK BELT’ ADVANCED CERVICAL RETRACTOR SET



* Titanium Blade Set illustrated

An advanced Cervical retractor system suitable for both Anterior and Posterior Cervical Surgery but with attachments for Micro Discectomy Surgery.

Basic ‘Black Belt’ Cervical Retractor System

7320-00

Complete set consisting of:

Qty	Order Code	Description
1	7320-10	Retractor Frame RIGHT
1	7320-20	Retractor Frame LEFT
1	7320-30	Retractor Frame OFFSET
2	7320-40	Blade Insertion Clamps
14	7322-34/70	Pronged Blades 34mm-70mm
14	7324-34/70	Blunt Blades 34mm-70mm
12	7326-40/55	Two Level Pronged Blades 40mm-55mm
6	7328-40/55	Two Level Blunt Blades 40mm-55mm
1	7320-50	Container

Extended ‘Black Belt’ Cervical Retractor System

7320-05

Consisting of:

Standard ‘Black Belt’ Retractor with the addition of Micro Discectomy Attachments as detailed on page 56.

Coloured Titanium ‘Black Belt’ Cervical Retractor System

7320-00M

Complete set consisting of:

Qty	Order Code	Description
1	7320-10M	Retractor Frame RIGHT
1	7320-20M	Retractor Frame LEFT
1	7320-30M	Retractor Frame OFFSET
2	7320-40M	Blade Insertion Clamps
14	7322-34/70M	Pronged Blades 34mm-70mm
14	7324-34/70M	Blunt Blades 34mm-70mm
12	7326-40/55M	Two Level Pronged Blades 40mm-55mm
6	7328-40/55M	Two Level Blunt Blades 40mm-55mm
1	7320-50M	Container

Coloured Titanium Extended ‘Black Belt’ Cervical Retractor System

7320-05M

Consisting of:

Standard ‘Black Belt’ Retractor with the addition of Micro Discectomy Attachments as detailed on page 56.

‘BLACK BELT’ ADVANCED CERVICAL RETRACTOR SET





- Full jointed retractor arms
- Black non-glare finish
- Wide blade range
- Suitable for single or multi level retraction

Blades

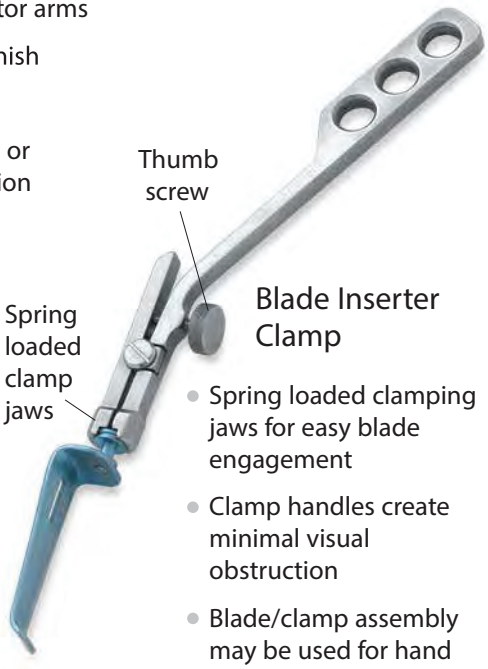
- The blade shape is designed to resist climbing out of the surgical site
- The wider two level blades have an extra bend near the tip which follows the contour of the vertebrae for visualising



27mm wide two level Pronged blade | 27mm wide two level blade | 22mm wide Pronged blade | 22mm wide Blunt blade



17mm wide optional narrow Cervical blades 40mm to 60mm depth



Blade Inserter Clamp

- Spring loaded clamping jaws for easy blade engagement
- Clamp handles create minimal visual obstruction
- Blade/clamp assembly may be used for hand retraction
- Clamps are quickly/ easily removed after retractor arms have securely engaged the blades



Lumbar Micro Discectomy Attachments

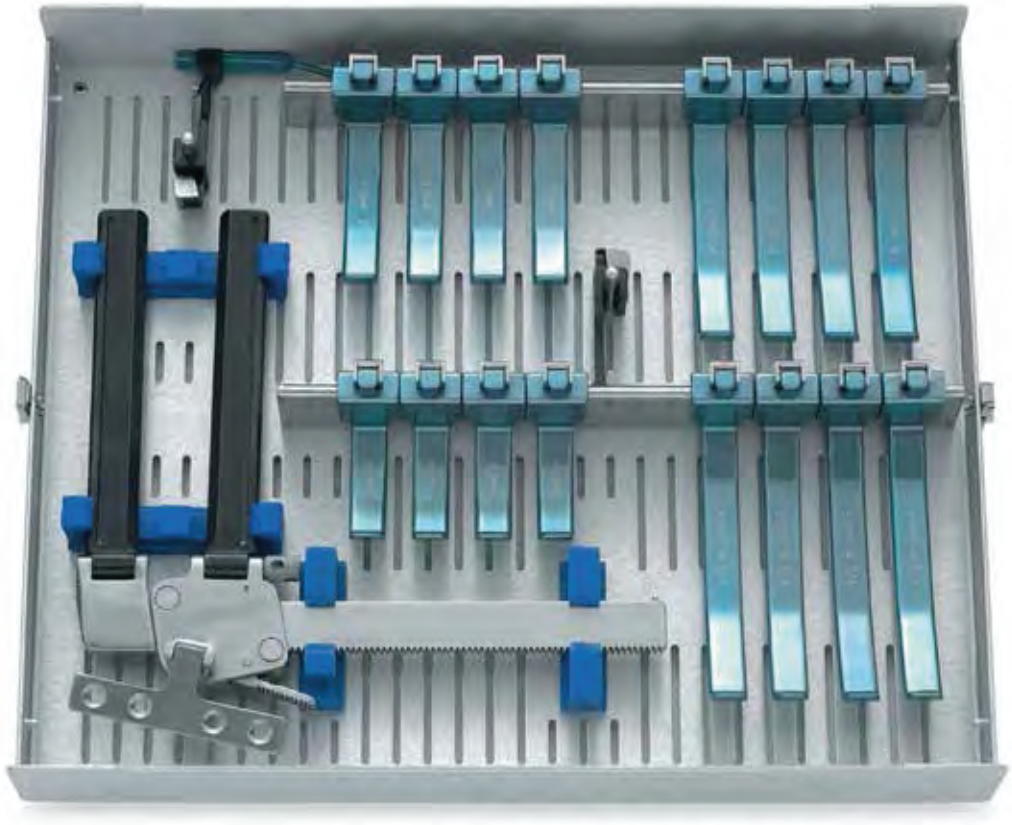
With this set the standard Cervical Retractor becomes a Lumbar Microdiscectomy Retractor unit.

7321-00

Complete set consisting of:

Qty	Order Code	Description
1	7321-10	Micro Disc attachment
1	7321-20	Spike Blade
1	7321-30	T-Shape Blade
1	7321-40	Inner Spine Ligament Blade
1	7321-85	Pronged Blade 85mm depth

SUPER-SLIDE II
LAMINECTOMY RETRACTOR SET



* Titanium Blade Set illustrated

A powerful retractor with a selection of blade depths which can be positioned anywhere along the retractor arms. Allows excellent exposure of the spine in Pedicle Screw and Laminectomy procedures.

Super-Slide Retractor Basic Set

7329-00

Complete set consisting of:

Qty	Order Code	Description
1	7329-10	Retractor Frame
4	7329-20	Small blades 2" deep
4	7329-30	Medium blades 3" deep
4	7329-40	Large blades 4" deep
1	7329-50	Instrument container

Super-Slide Retractor Extended Set

7329-05 Includes components of basic set plus:

Qty	Order Code	Description
4	7329-47	Supplementary blades 4¾" deep
2	7329-60	Unilateral blade heads
2	7329-62	Unilateral T-blades

Titanium Super-Slide Retractor Basic Set

7329-06

Complete set consisting of:

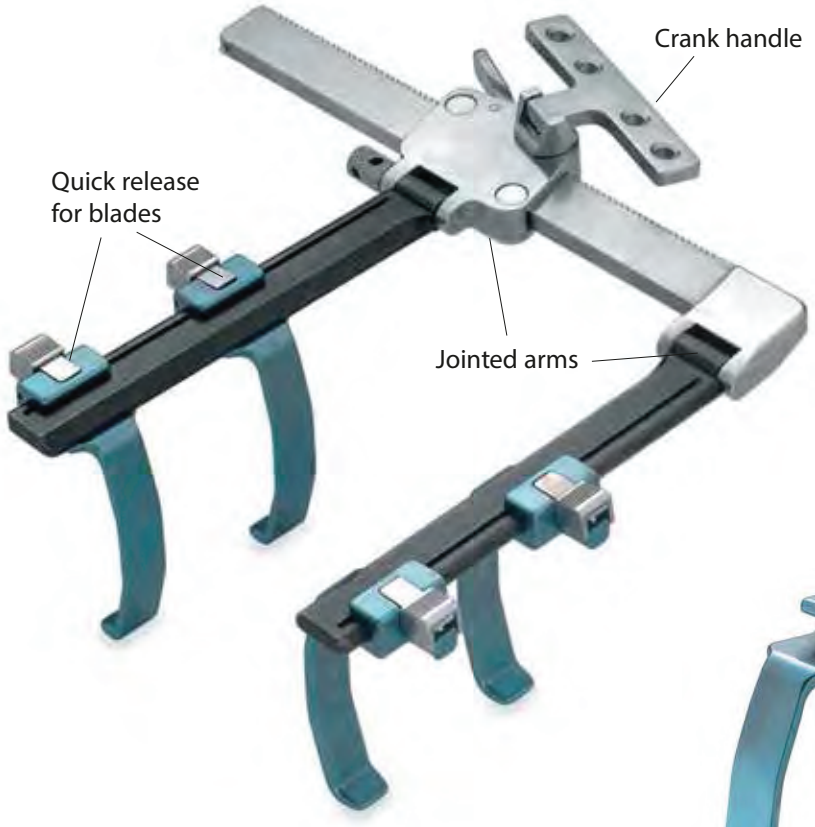
Qty	Order Code	Description
1	7329-10	Retractor Frame
4	7329-82	Small Titanium blades 2" deep
4	7329-84	Medium Titanium blades 3" deep
4	7329-86	Large Titanium blades 4" deep
1	7329-90	Instrument container

Titanium Super-Slide Retractor Extended Set

7329-09 Includes components of Titanium basic set plus:

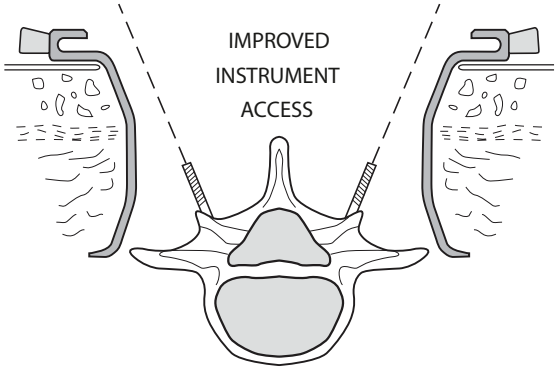
Qty	Order Code	Description
4	7329-87	Supplementary Titanium blades 4¾" deep
2	7329-60	Unilateral blade heads
2	7329-62T	Unilateral Titanium T-blades

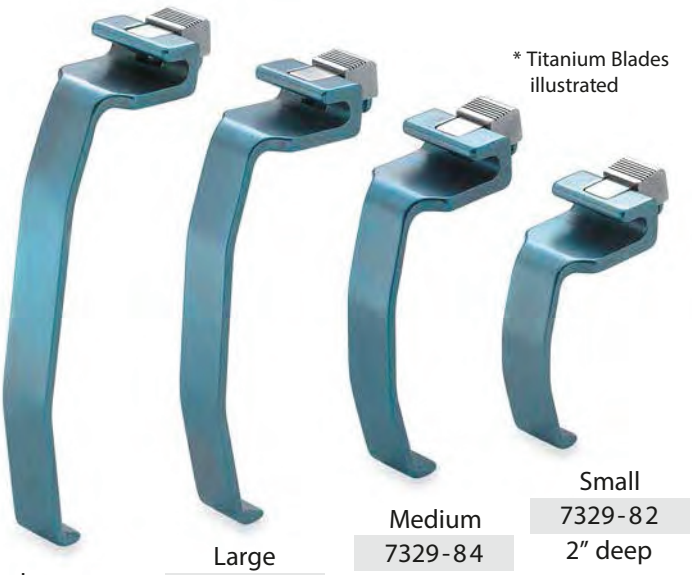
SUPER-SLIDE II
LAMINECTOMY RETRACTOR SET



Super-Slide Retractor Blades

- Will not slip out of wound during surgery
- Narrow blade design minimizes potential of tissue necrosis at blade and tissue contact point
- Blades feature quick release locking system





* Titanium Blades illustrated

Supplementary
7329 -87
4¾" deep

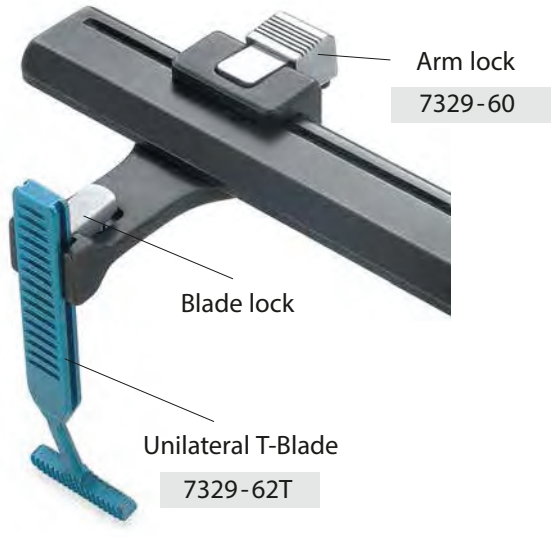
Large
7329-86
4" deep

Medium
7329-84
3" deep

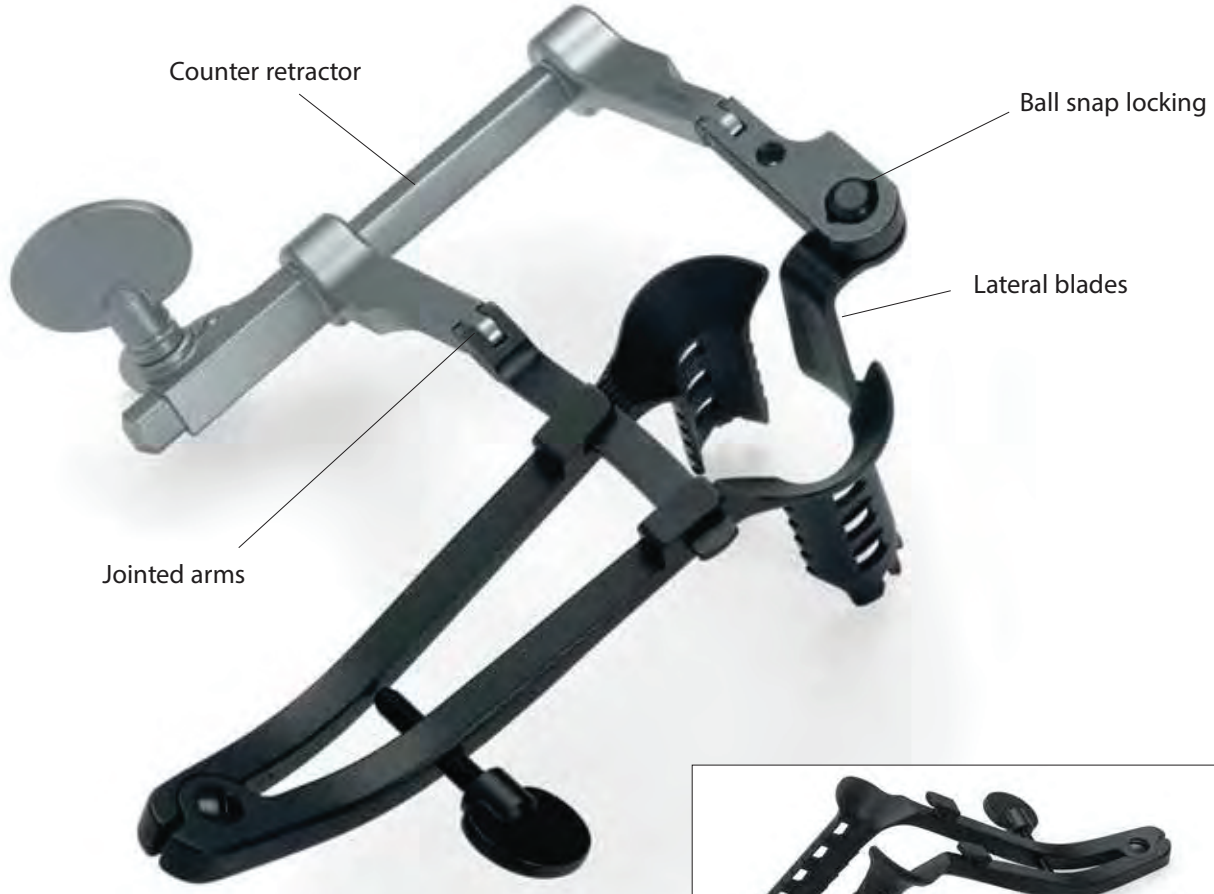
Small
7329-82
2" deep

Unilateral Blade Attachment

- Blades lock into any chosen position along the retractor arms and may be changed at any time during surgery
- Arm locks allow the surgeon the choice of either attaching to the retractor arms then placing the unit into the wound or placing the blades into the wound then engaging the frame arms
- To obtain a unilateral exposure, use the unilateral blade attachments contained in the extended set. The T-Blade is designed to attain a firm purchase on the Spinous process
- The T-Blade can be adjusted to the correct depth with the blade lock



CASPAR MICRO LUMBAR DISCECTOMY RETRACTOR





Caspar Micro Discectomy Retractor

- This Retractor Set allows a micro surgery approach to Lumbar Disc
- Specula have a black surface finish to prevent glare
- Fenetrasted blades on the specula reduce the risk of movement during surgery

Complete Set

SP5100-00

Consisting of:

Lateral Blades	Depth
AZ5101-40	40mm
AZ5101-45	45mm
AZ5101-50	50mm
AZ5101-55	55mm
AZ5101-60	60mm
AZ5101-65	65mm
AZ5101-70	70mm

Specula	Depth
AZ5100-40	40mm
AZ5100-45	45mm
AZ5100-50	50mm
AZ5100-55	55mm
AZ5100-60	60mm
AZ5100-65	65mm
AZ5100-70	70mm

AZ5102-00	Counter Retractor Frame
AZ5103-00	Blade Ejector Forceps

CASPAR MICRO LUMBAR DISCECTOMY RETRACTOR

Lateral Blades



Blade Ejector Forceps

AZ5103-00



Specula Range



Caspar Micro Discectomy Retractor Frame

AZ5102-00



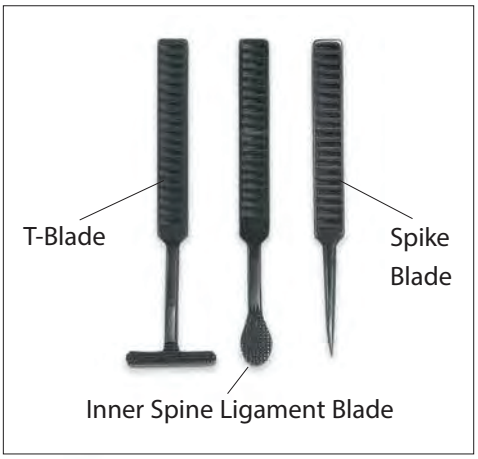
BLACK BELT MICRO DISCECTOMY RETRACTOR SET



Black Belt Micro Discectomy Retractor Set

A specialist retractor for Lumbar Micro Discectomy Surgery featuring:

- Jointed retractor arms
- Adjustable blade depth
- Range of pronged blades
- Powerful ratchet action with quick release mechanism



7276-00 **Complete Set**

Complete set consisting of:

Qty	Order Code	Description
1	7276-10	Retractor Frame
1	7276-15	Blade Inserting Clamp
1	7276-20	Spike Blade
1	7276-30	T-Shape Blade
1	7276-35	Inner Spine - Ligament Blade
1	7276-40	Pronged Blade 40mm
1	7276-45	Pronged Blade 45mm
1	7276-50	Pronged Blade 50mm
1	7276-60	Pronged Blade 60mm
1	7276-70	Pronged Blade 70mm
1	7276-85	Pronged Blade 85mm
1	7276-90	Sterilising Container



BAYONET MICRO INSTRUMENTS FOR DURAL REPAIRS

Yasargil Bayonet Micro Needle Holder

- Flat Handled
- Delicate 1mm Jaws



With Lock	Straight	Curved	Without Lock	Straight	Curved
23cm/9"	MV1012-23	MV1013-23	23cm/9"	MV1112-23	MV1113-23

Bayonet Micro Needle Holder

- Round Bodied
- Delicate 1mm Jaws



With Lock	Straight	Curved	Without Lock	Straight	Curved
21cm/8 1/4" 23cm/9"	AZ101 0-21 AZ101 0-23	AZ1011-21 AZ1011-23	21cm/8 1/4" 23cm/9"	AZ111 0-21 AZ111 0-23	AZ1 111-21 AZ1 111-23

Yasargil Bayonet Micro Forceps

- Flat Handled
- Blunt 1mm Tips



22.5cm/8 1/4"	AZ2301-22
24cm/9 1/2"	AZ2301-24

Yasargil Bayonet Micro Scissors

- Flat Handled
- 22.5cm/8 3/4" length



Standard Blade		Vannas Blade	
	Straight AZ3005-22		Straight AZ3007-22
	Curved AZ3006-22		Curved AZ3008-22

BIPOLAR FORCEPS

Straight Bipolar Forceps

- 10.5cm/4 1/4" length



Tip Size

0.7mm	70 02 38
1mm	70 02 43
Blunt	70 02 41

Straight Bipolar Forceps

- 16.5cm/6 1/2" length



Tip Size

0.7mm	70 01 52
1mm	70 01 51

Straight Bipolar Forceps

- 19cm/7 1/2" length



Tip Size

0.7mm	70 01 72
1mm	70 01 71

Bayonet Bipolar Forceps

- 19cm/7 1/2" length



Tip Size

0.7mm	70 01 83
1mm	70 01 81
2mm	70 01 82

BIPOLAR FORCEPS

Bayonet Bipolar Forceps

- 23cm/9" length



Tip Size

0.3mm	70 01 90
0.7mm	70 01 91
1.2mm	70 01 92

Bayonet Bipolar Forceps

- 25cm/9 ¾" length



Tip Size

0.3mm	70 02 90
0.7mm	70 02 91
1.2mm	70 02 92

37-01-35L



- Fitting Block End Forceps
- Banana Plug Vallylab Machine Fitting
- 4.5 metre length

37-01-38L



- Fitting Block End Forceps
- Erbe BM780 Machine Fitting
- 4.5 metre length

Bayonet Bipolar Forceps Supergliss Non-Stick Tips

- 23cm/9"



0.4mm	78 01 99SG
0.7mm	78 01 91SG
1.0mm	78 01 98SG
1.2mm	78 01 92SG



The material specially developed for SuperGliss non-stick forceps prevents overheating of the tips during coagulation. Laboratory tests confirm the outstanding non-stick properties that last throughout the lifetime of the instrument.

MISC INSTRUMENTS

Slim Nose Wire Twisters

- 19cm/7 1/2″

AZ7645-19



Orthopaedic Locking Grips

- Hardened jaws



	Length	
200-511-180	18cm/7″	Small
200-511-200	20cm/8″	Medium
200-511-240	24cm/9 1/2″	Large

Combined Wire Cutter & Pliers

- 18cm/7″
- Suitable for wires up to 1.6mm

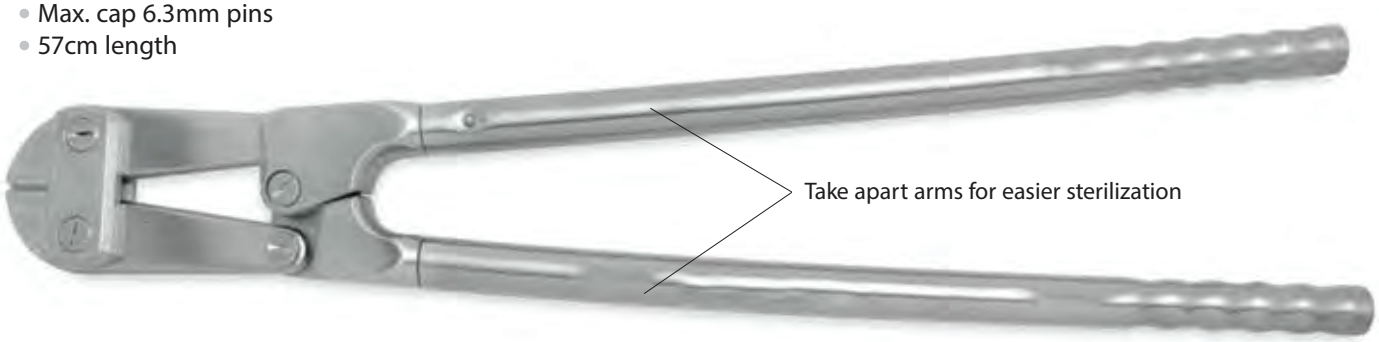
200-512-185



MISC INSTRUMENTS

Bolt Cutters with dismantable arms

- Max. cap 6.3mm pins
- 57cm length



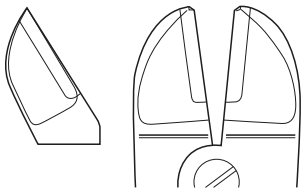
200-500-585



- Must be used in conjunction with a Rod Holder. Ordering Code: 200-675-200

Muller-Claus Wire Cutters

- Tungsten Carbide Jaws
- Double Action





	Length	
8-810E18	18cm/7"	• Sui
8-800E22	22cm/8 3/4"	• Suitable for wires up to 3mm diameter

Needle Nosed Locking Pliers



	Length	
200-514-220	22cm/8 3/4"	Small
200-515-250	25cm/9 3/4"	Medium
200-516-300	30cm/11 3/4"	Large

- A very useful instrument for orthopaedic surgery allowing the surgeon to securely clamp on to wires and implants.

MISC INSTRUMENTS

Measuring Caliper

- 25cm/10"

AZ7334-20



Castroviejo Caliper

- 7cm/2 3/4"
- Measuring range 3mm to 25mm

AZ7334-10



Vernier Caliper

- 22.5cm/9"
- Measuring range 15cm

AZ7338-00



Depth Gauge

- Measuring depth up to 50mm

AZ7350-00



Depth Gauge

- Measuring depth up to 70mm

AZ7370-00



Direct Reading Depth Gauge

- 23cm length
- Measuring range 0.5 to 40mm

AZ7333-10



MISC INSTRUMENTS

Frazier Suction Tube

- 17cm/6 3/4"



AZ9041-17	6FG	2.0mm
AZ9042-17	7FG	2.3mm
AZ9043-17	8FG	2.7mm
AZ9044-17	9FG	3.0mm
AZ9045-17	10FG	3.3mm
AZ9046-17	11FG	3.7mm
AZ9047-17	12FG	4.0mm

Frazier Suction Tube

- 23cm/9"



AZ9041-23	6FG	2.0mm
AZ9042-23	7FG	2.3mm
AZ9043-23	8FG	2.7mm
AZ9044-23	9FG	3.0mm
AZ9045-23	10FG	3.3mm
AZ9046-23	11FG	3.7mm
AZ9047-23	12FG	4.0mm

Bayonet Dissecting Forceps



19cm/7 1/2"	Tip Size
AZ9701-19	1mm
AZ9702-19	2mm

21cm/8 1/2"	Tip Size
AZ9701-21	1mm
AZ9702-21	2mm



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