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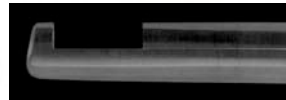
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LAMINECTOMY PUNCH

Kerrison Laminectomy Punch
90 UPWARD JAW ANGLE

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



90 UPWARD

Kerrison Laminectomy Punch
90 DOWNWARD JAW ANGLE

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



90 DOWNWARD

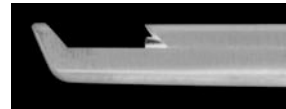
LAMINECTOMY PUNCH

Black Line Kerrison Laminectomy Punch

- 40° UPWARD Jaw angle
- With Special Titanium coating on surface
- Bone ejector

40° UPWARD Jaw angle

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



40° UPWARD

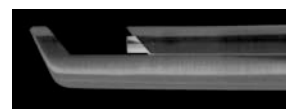
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Kerrison Laminectomy Punch with Bone Ejector

- 40° UPWARD Jaw angle
- Bone Ejector

40° UPWARD JAW

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



40° UPWARD

LAMINECTOMY PUNCH

Thin Footplate Kerrison Laminectomy Punch

40 UPWARD Jaw angle

Thin footplate for Cervical surgery

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

Reduced footplate

A reduced footplate thickness useful for a restricted operating area

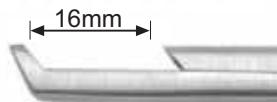


Wide Opening Kerrison Laminectomy Punch

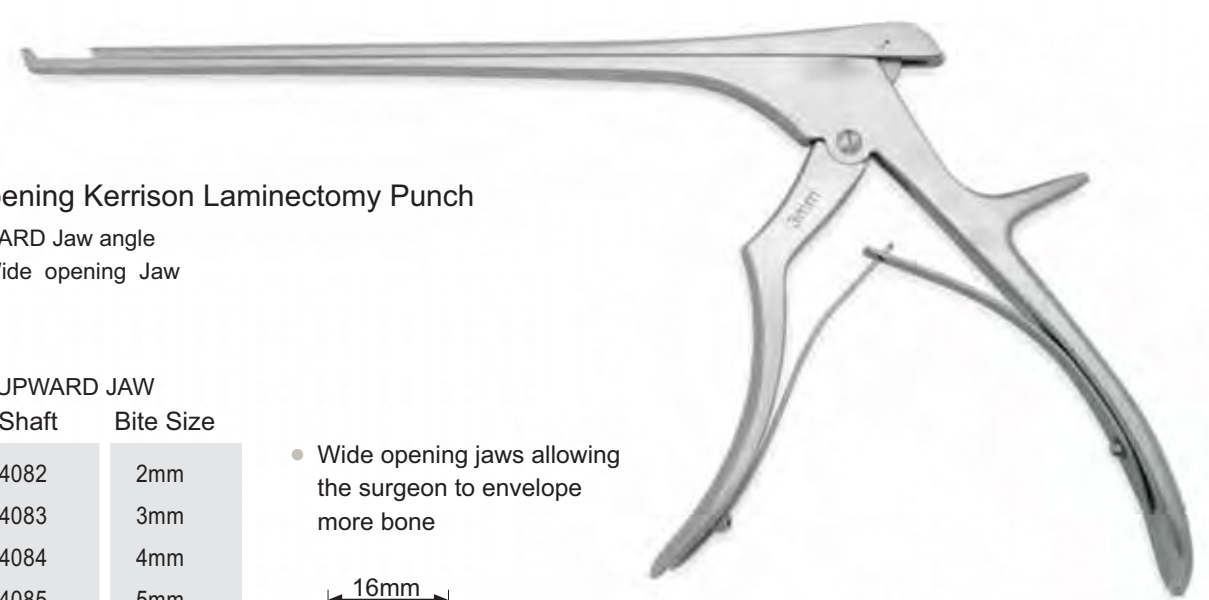
- 40 UPWARD Jaw angle
- 16mm Wide opening Jaw

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

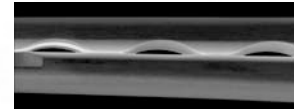


40° UPWARD JAW		Bite Size
18cm/7 Shaft	20cm/8 Shaft	
PSKF 4071 CW	FSKF 4081 CW	1mm
PSKF 4072 ECW	FSKF 4082 ECW	2mm
PSKF 4073 ECW	FSKF 4083 ECW	3mm
PSKF 4074 ECW	FSKF 4084 ECW	4mm
PSKF 4075 ECW	FSKF 4085 ECW	5mm
PSKF 4076 ECW	FSKF 4086 ECW	6mm



Bone ejector

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
PSKF 4082	2mm
PSKF 4083	3mm
PSKF 4084	4mm
PSKF 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	Bite Size
PSKF 4002ETi	2mm
PSKF 4083 ETi	3mm
PSKF 4084 ETi	4mm
PSKF 4085 ETi	5mm
PSKF 4006ETi	6mm



Curved Foramenotomy Punch

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

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



LAMINECTOMY PUNCH

Ferris-Smith Kerrison Laminectomy Punch

- 40° UPWARD Jaw angle
- Modified ring handle

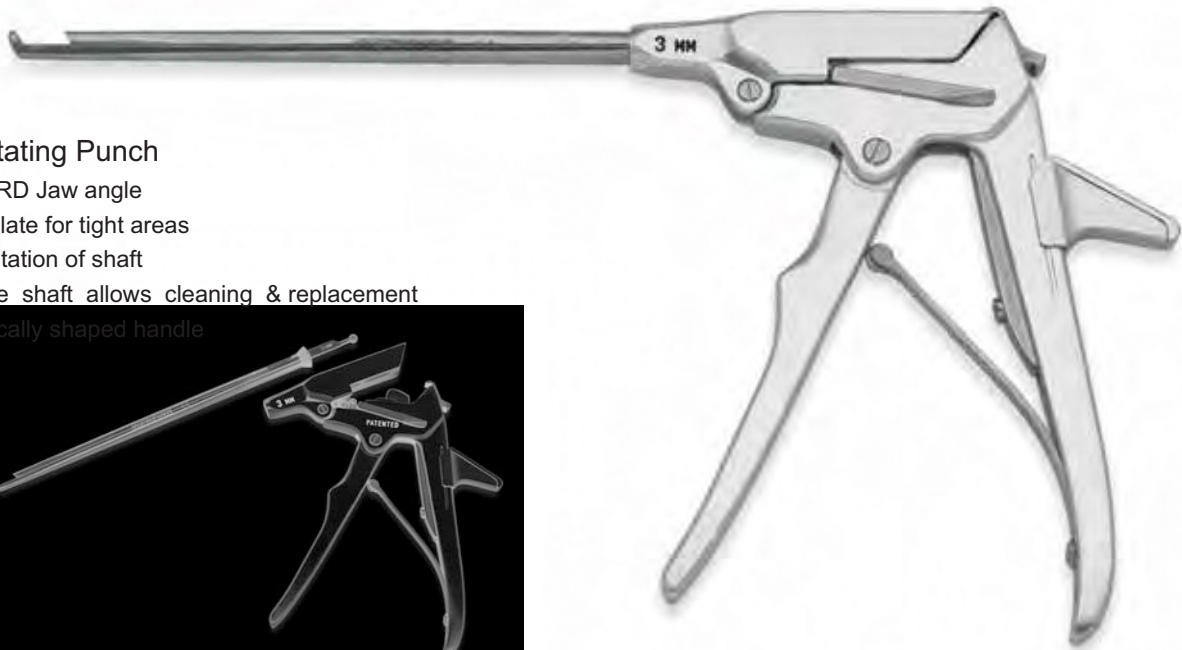


40° UPWARD

40° UPWARD Jaw		Bite Size
18cm/7 Shaft	20cm/8 Shaft	
PSKR 4072	FSKR 4082	2mm
PSKR 4073	FSKR 4083	3mm
PSKR 4074	FSKR 4084	4mm
PSKR 4075	FSKR 4085	5mm
PSKR 4076	FSKR 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		Bite Size
18cm/7 Shaft	20cm/8 Shaft	
PS7375-40	SP7376-40	0.6mm
PS7375-41	SP7376-41	1mm
PS7375-42	SP7376-42	2mm
PS7375-43	SP7376-43	3mm
PS7375-44	SP7376-44	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° ANGLES 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

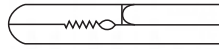
DISC RONGEURS

Caspar Toothed Disc Rongeur

- Serrated and fenestrated jaws

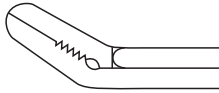
STRAIGHT JAW

16cm/6 1/4 Shaft	18cm/7 Shaft	Bite Size
PS1502-16	PS1502-18	2mm
PS1503-16	PS1503-18	3mm
PS1504-16	PS1504-18	4mm
PS1505-16	PS1505-18	5mm



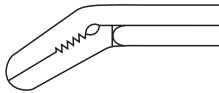
UPWARD JAW

16cm/6 1/4 Shaft	18cm/7 Shaft	Bite Size
PS1602-16	PS1602-18	2mm
PS1603-16	PS1603-18	3mm
PS1604-16	PS1604-18	4mm
PS1605-16	PS1605-18	5mm



DOWNWARD JAW

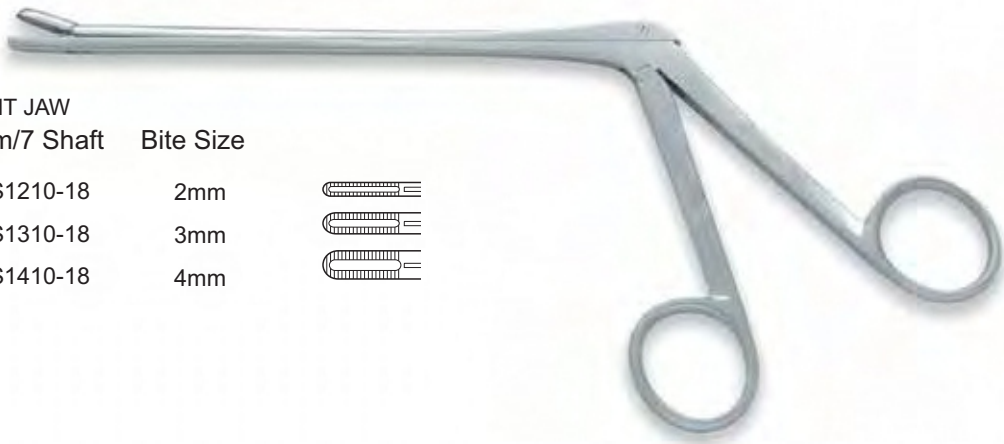
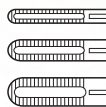
16cm/6 1/4 Shaft	18cm/7 Shaft	Bite Size
PS1702-16	PS1702-18	2mm
PS1703-16	PS1703-18	3mm
PS1704-16	PS1704-18	4mm
PS1705-16	PS1705-18	5mm



Schlesinger Toothed Rongeur

STRAIGHT JAW

15cm/6 Shaft	18cm/7 Shaft	Bite Size
PS1210-15	PS1210-18	2mm
PS1310-15	PS1310-18	3mm
PS1410-15	PS1410-18	4mm



DISC RONGEURS

Williams Discectomy Rongeur

14cm/5 1/2 Shaft

PS1110-14

Longer pattern
23cm/9 Shaft

Ps1110 -23



- Single toothed cup 1mm bite

Pea Pod Disc Rongeur

- Short 10mm length jaw

15cm/6 Bite Size

PS1510-15 2mm

PS1610-15 3mm

PS1710-15 4mm

13cm/5 1/4 Bite Size

PS1510-13 2mm

Extra fine pattern 5mm length jaws



Beck Disc Rongeur

- 13cm/5 1/4 Shaft
- 2mm bite size

PS1910-13



DISC RONGEURS

Munich Grasping Forceps

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

PS1224-18



Decker Ronguer

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

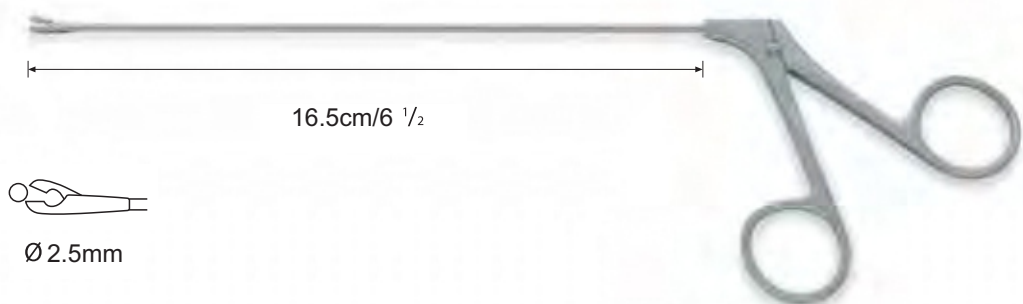
PS1223-15



Nicola Micro Cupped Biopsy Forceps

- 16.5cm/6 1/2 Shaft

PS1222-16



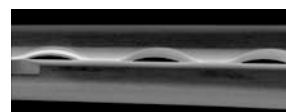
DISC RONGEURS

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

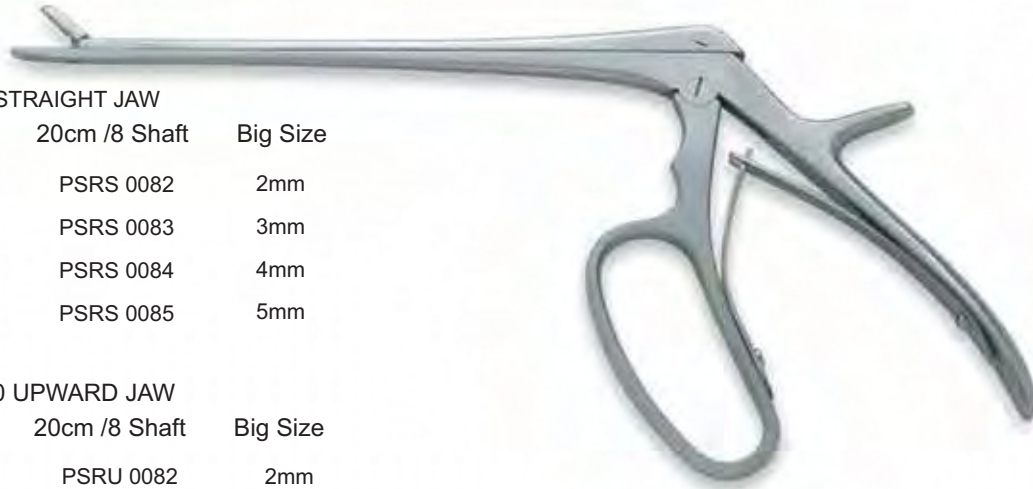
40° ANGLED DOWNWARD JAW

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	Big Size
PSRS 0072	PSRS 0082	2mm
PSRS 0073	PSRS 0083	3mm
PSRS 0074	PSRS 0084	4mm
PSRS 0075	PSRS 0085	5mm

40 UPWARD JAW

18cm/7 Shaft	20cm /8 Shaft	Big Size
PSRU 0072	PSRU 0082	2mm
PSRU 0073	PSRU 0083	3mm
PSRU 0074	PSRU 0084	4mm
PSRU 0075	PSRU 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 Shaft

Extra long length shaft for deeper areas



STRAIGHT	UPWARD	BITE SIZE	
Ps7390- 52	-	2.4mm	
PS7390- 54	PS7390-84	4mm	
PS7390- 56	-	6mm	with teeth
PS7390- 58	PS7390- 88	8mm	with teeth

BONE NIBBLERS & CUTTERS

Lempert Bone Nibbler

- Single Action
- 19cm/7 1/2

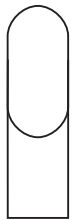
3mm Bite
PS1001-19



Luer Bone Nibbler

- Single Action
- 18cm/7

Straight
8mm Bite
PS1004-18



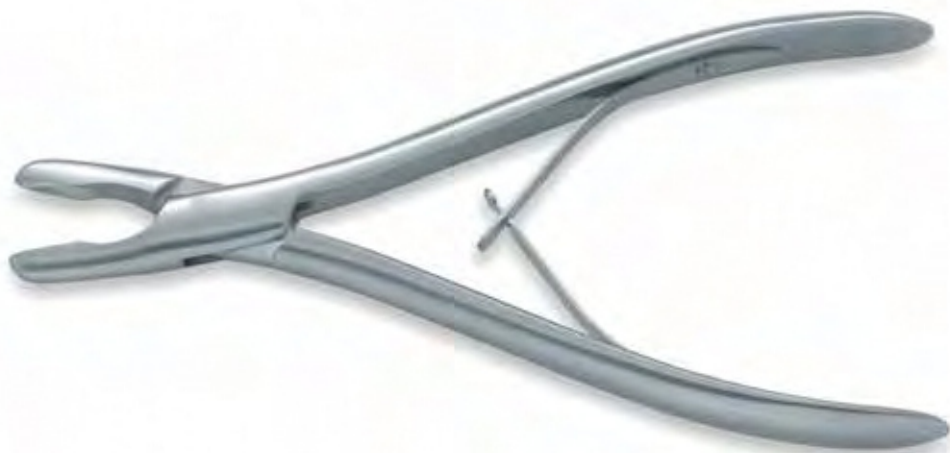
Curved
8mm Bite
PS1005-18



Adsons Bone Nibbler

- Single Action
- 20cm/8

7mm Bite
PS1040-20



BONE NIBBLERS & CUTTERS

Pennybacker Bone Nibbler

- Single Action
- 20cm/8

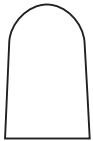


4mm Bite
PS1041-20



Northfields Bone Nibbler

- Single Action
- 20cm/8



10mm Bite
PS1042-20



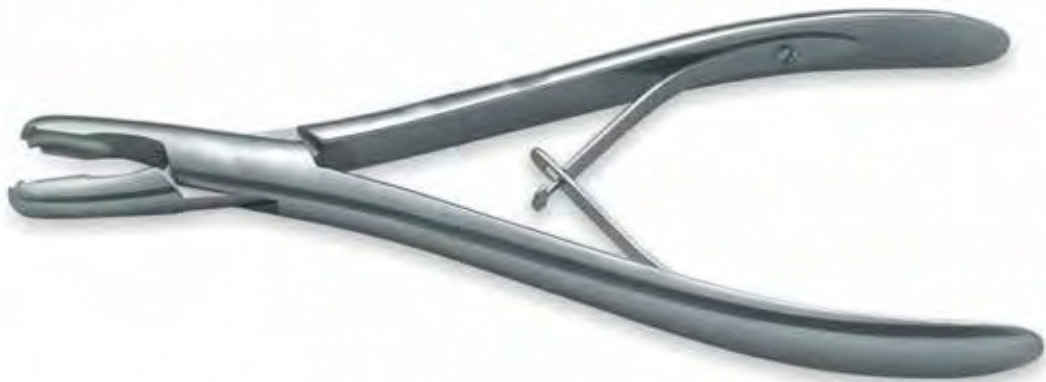
Rat Toothed Bone Nibbler

- Single Action
- 21cm/8 1/4

8mm Bite
PS1030-21



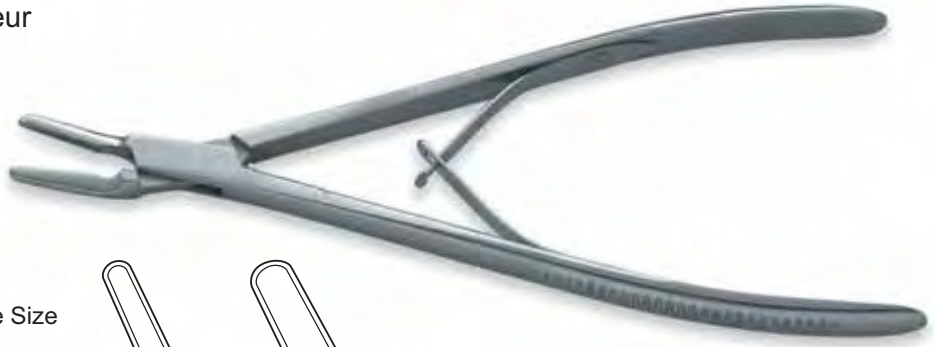
- 3 x 3 Teeth



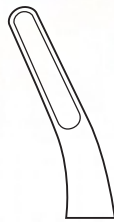
BONE NIBBLERS & CUTTERS

Zielke Intervertebral Rongeur

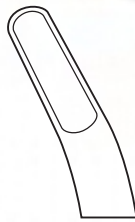
- Angled Parallel Jaws



21cm/8	25cm/9	Bite Size
PS1026-21	SP1026-25	3mm
PS-1027-21	SP1027-25	5mm



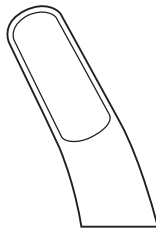
3mm Bite



5mm Bite

Matzen Intervertebral Rongeur

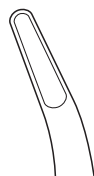
- 20cm/8
- Angled Jaws



8mm Bite
PS1043-20

Beyer Bone Nibbler

Curved Double Action
18cm/7



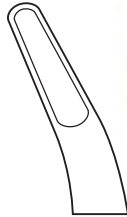
4mm Bite
PS1002-18

BONE NIBBLERS & CUTTERS

Jansen Bone Nibbler

- Curved Double Action
- 18cm/7

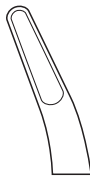
5mm Bite
PS1003-18



Marquardt Bone Nibbler

- Curved Double Action
- 20cm/8

3mm Bite
PS1002-20



Smith-Peterson Bone Nibbler

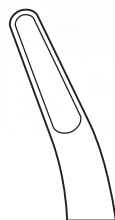
- Double Action
- 24cm/9½



Straight	Light Curve	Bite Size
PS1010-24	PS1014-24	3mm
PS1011-24	PS1015-24	4mm
PS1012-24	PS1016-24	5mm
PS1013-24	PS1017-24	6mm



Straight

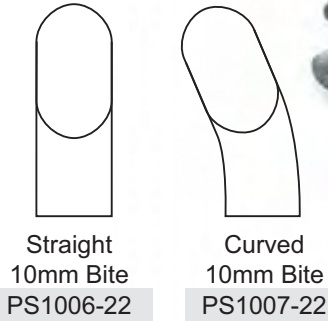


Light Curve

BONE NIBBLERS

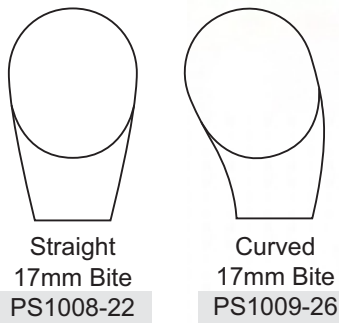
Stille-Luer Bone Nibbler

- Double Action
- 22cm/8 ¾



Mr Blobby Stille-Luer Bone Nibbler

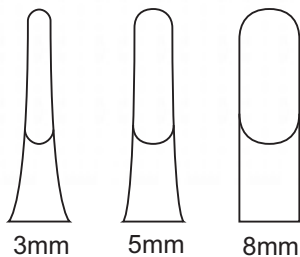
- Double Action
- 26cm/10 ¼



Leksell Bone Nibbler

- Double Action Angled
- 24cm/9 ½

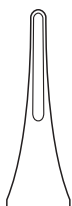
Angled Jaw	Bite Size
PS1018-24	3mm
PS1019-24	5mm
PS1020-24	8mm



BONE NIBBLERS

Echlin Duckbill Nibbler

- Double Action
- 23cm/9



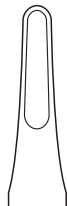
2mm Bite

PS1044-23



3mm Bite

PS1045-23



4mm Bite

PS1046-23

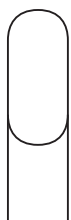
Long Anterior Leksell Bone Nibbler

- Double Action
- 30cm/12



5mm Bite

PS1021-30



8mm Bite

PS1022-30

Sypert Bone Nibbler

- Double Action - very long
- 36cm/14 1/4



5mm Bite

PS1031-36



8mm Bite

PS1032-36

BONE CUTTERS

McIndoe Bone Cutters

- 18cm/7"

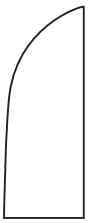


ADH1028-18



Stille-Liston Bone Cutters

- 27cm/10³/₄"



Straight

ADH1024-27



Angled

ADH1025-27



Liston-Key-Horsley Bone Cutters

- 27cm/10³/₄"



ADH1023-27



Tudor Edwards/Vehmehren Costotome

- 24cm/9¹/₂"
- For cutting ribs

ADH1023-24



OSTEOTOMES & MALLETS

Scaglietti Straight Osteotome Set

ADH7452-00

Complete set consisting of:

Qty	Order Code	Description
5		Scaglietti Osteotomes - 5 sizes
1	PS7420-90	Instrument Case



Scaglietti Osteotomes

• 26cm/10 1/4"

	Size
ADH7452-06	6mm
ADH7452-09	9mm
ADH7452-12	12mm
ADH7452-16	16mm
ADH7452-19	19mm



Toe Mallet

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

ADH5808-21



London Splint Mallet

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

ADH5802-18



MALLETS

Heath Mallet

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

ADH5809-19



Mallet with Tufnol Handle

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

ADH5804-23



Ombredanne Mallet

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

ADH5806-24



Tufnol Mallet

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

ADH5807-25



ELEVATORS & GOUGES

Adson Periosteal Elevator

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



	Width
ADH3055-16	5mm
ADH3007-16	7mm

Pennybacker Periosteal Elevator

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



	Width
ADH3064-16	4mm
ADH3066-16	6mm
ADH3068-16	8mm

Bone Raspatory with Tufnol Handle

- 19cm/7 1/2"



Straight	Width		Curved	Width	
ADH7016-	6mm		ADH7023-19	3mm	
			ADH7026-19	6mm	

Farabeuf Rugine Elevator

- 15cm/6"



Straight	Width
ADH3001-15	12mm
Curved	Width
ADH3002-15	12mm

illustrated

ELEVATORS & GOUGES

Trethowan Bone Lever

- 22.5cm/8¹/₂"



ADH3030-22

Lanes Bone Lever

- 26cm/10¹/₄"



ADH3031-26

Fagge Bone Lever

- 27.5cm/10³/₄"



ADH3032-27

Bristows Bone Elevator

- 23cm/9"
- Curved sharp



Width

ADH3003-23

10mm

ELEVATORS & GOUGES

Hohmanns Bone Elevator

- 24cm/9 1/4"



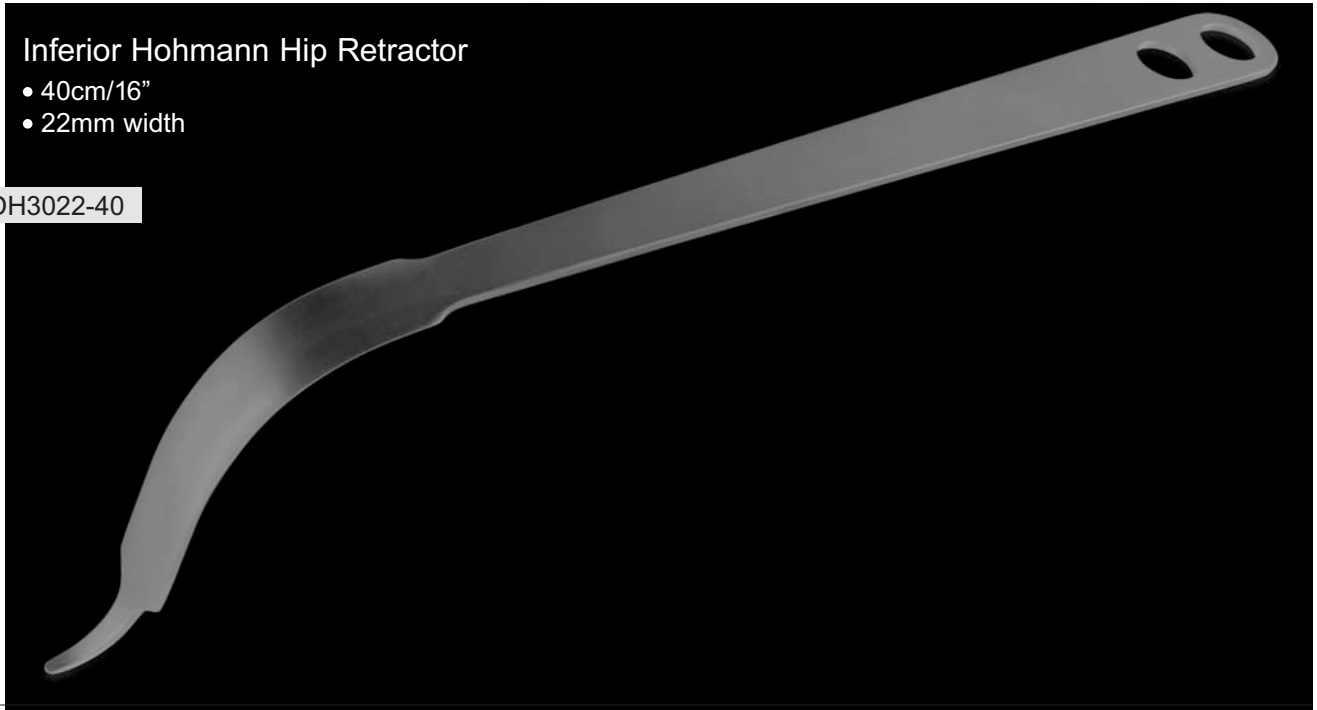
Width

ADH300 8-22	8mm
ADH3018- 24	18mm
ADH3043- 24	43mm

Inferior Hohmann Hip Retractor

- 40cm/16"
- 22mm width

ADH3022-40



Zielke Gouge

- 23cm/9"

illustrated



Curved	Width
ADH6520-23	6mm
ADH6521-23	9mm



S-Shaped	Width
ADH6522- 23	6mm
ADH6523- 23	9mm

Capener Lamina Gouge

- 23cm/9"
- Cranked Shaft

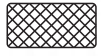


	Width
ADH6506-23	6mm
ADH6508-23	8mm
ADH6511-23	11mm
ADH6516-23	16mm

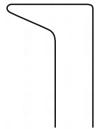
BONE GRAFT IMPACTORS

Cervical Bone Graft Impactor 90° Oset

• 22cm/8 1/2"



6mm x 12mm Tip
ADH7222-10

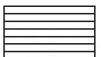


3.5mm x 6mm Tip
ADH7222-55
18cm length

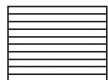


Lumbar Bone Graft Impactor

• 22cm/8 1/2"



7mm x 12mm
ADH7222-40



10mm x 13mm
ADH7222-50

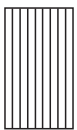


Anterior Bone Graft Impactor

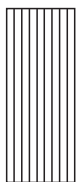
• 34cm/13 1/2"



9 x 16mm Tip
ADH7439-48



9 x 23mm Tip
ADH7439-50



COBB ELEVATORS

Cobb Spinal Elevator

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



10mm
ADH7561 - 10

13mm
ADH7561 - 13

19mm
ADH7561 - 19



Harrington Cobb Spinal Elevator

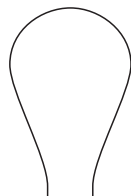
- 30.5cm/12" overall length



10mm
ADH7661 - 10

13mm
ADH7661 - 13

19mm
ADH7661 - 19



Cobb Spinal Elevator Extra Long Handle

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



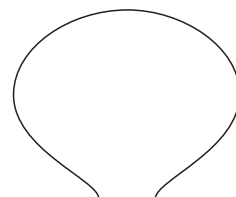
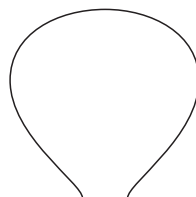
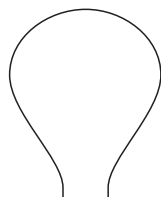
10mm
ADH7662 - 10

15mm
ADH7662 - 15

20mm
ADH7662 - 20

25mm
ADH7662 - 25

30mm
ADH7662 - 30



COBB ELEVATORS

Comfort Cobb Elevator

- 32cm/12 1/2" overall length
- 20cm/8" handle length



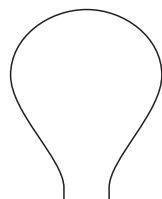
10mm
ADH7551-10



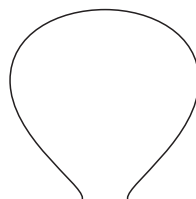
15mm
ADH7551-15



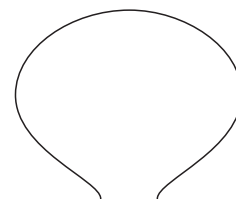
20mm
ADH7551-20



25mm
ADH7551-25



30mm
ADH7551-30



Long Anterior Comfort Cobb Elevator

- 47cm/18 1/2"



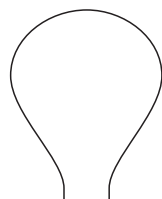
10mm
ADH7551-50



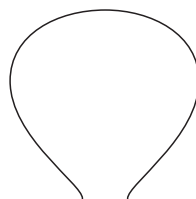
15mm
ADH7551-55



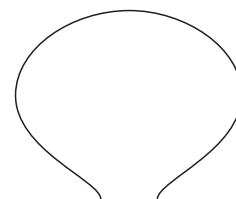
20mm
ADH7551-60



25mm
ADH7551-65

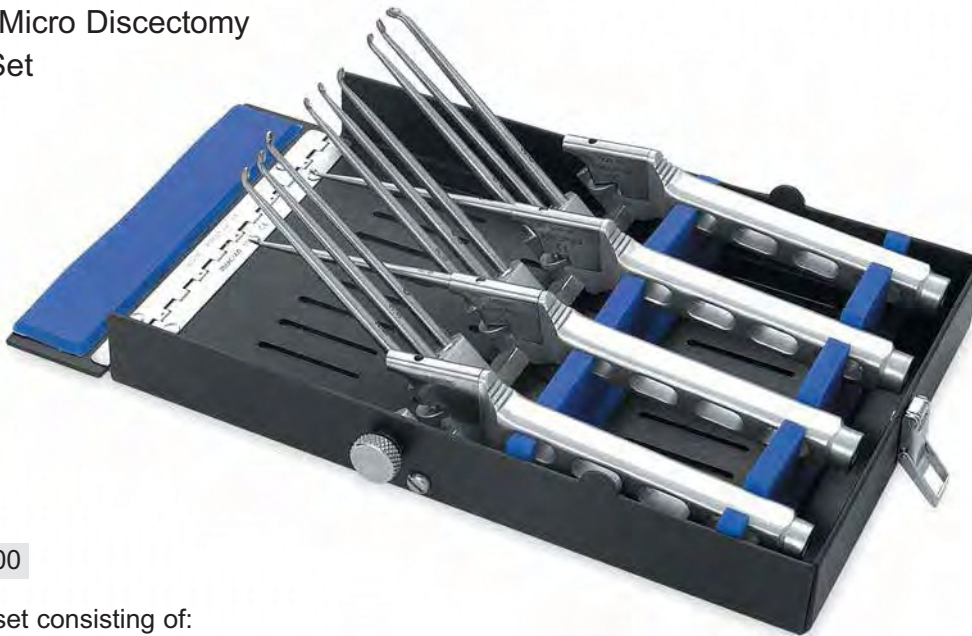


30mm
ADH7551-70



BAYONET CERVICAL MICRO CURETTES

Cervical Micro Discectomy
Curette Set



ADH7420-00

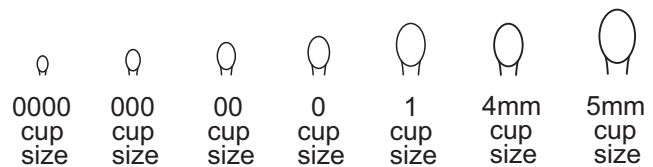
Complete set consisting of:

Qty	Order Code	Description
4	ADH7420-80	Curette Handles
12		Cervical Curette Shafts - includes: 5 Straight Shafts/5 Angled Shafts/2 Down Pushing Shafts
1	ADH7420-90	Sterilizing Case



Slim Micro Discectomy Curette Handle
ADH7420-80

- 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	Forward Angle	Cup Size	Down Pushing	Cup Size
ADH7420-50	00000	ADH7422-50	00000	ADH7424-20	00
ADH7420-40	0000	ADH7422-40	0000	ADH7424-10	0
ADH7420-30	000	ADH7422-30	000		
ADH7420-20	00	ADH7422-20	00		
ADH7420-10	0	ADH7422-10	0		

KARLIN STYLE BAYONET CERVICAL MICRO CURETTES



Bayonet Cervical Curette





- 21.5cm/8½” overall length
- 9cm/3½” shaft length

Straight Cup	Forward Angled	Cup Size				
ADH7418-10C	ADH7418-12C	0	0000 cup size	000 cup size	00 cup size	0 cup size
ADH7418-20C	ADH7418-22C	00				
ADH7418-30C	ADH7418-32C	000				
ADH7418-40C	ADH7418-42C	0000				



Long Bayonet Cervical Curette

- 24cm/9½” overall length
- 12cm/4¾” shaft length

Straight Cup	Forward Angled	Cup Size				
ADH7418-10CL	ADH7418-12CL	0	0000 cup size	000 cup size	00 cup size	0 cup size
ADH7418-20CL	ADH7418-22CL	00				
ADH7418-30CL	ADH7418-32CL	000				
ADH7418-40CL	ADH7418-42CL	0000				



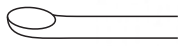
Container for 12 curettes

ADH7418-98

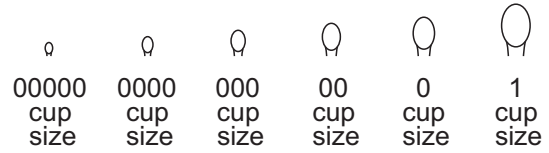
SPINAL CURETTES

Lempert Curette

• 21cm/8 1/4"

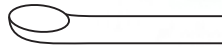


Straight	Cup Size	Angled	Cup Size
ADH8010-21	00000	ADH8110-21	00000
ADH8015-21	0000	ADH8115-21	0000
ADH8020-21	000	ADH8120-21	000
ADH8025-21	00	ADH8125-21	00
ADH8030-21	0	ADH8130-21	0
ADH8040-21	1	ADH8140-21	1

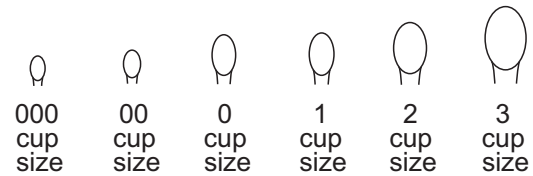


Bruns Curette

• 23cm/9"

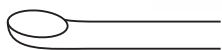


Straight	Cup Size	Angled	Cup Size
ADH8220-23	000	ADH8320-23	000
ADH8225-23	00	ADH8325-23	00
ADH8230-23	0	ADH8330-23	0
ADH8240-23	1	ADH8340-23	1
ADH8250-23	2	ADH8350-23	2
ADH8260-23	3	ADH8360-23	3

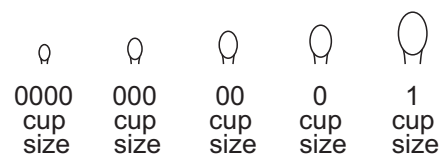


Tufnol Handle Micro Curette

• 27cm/10"

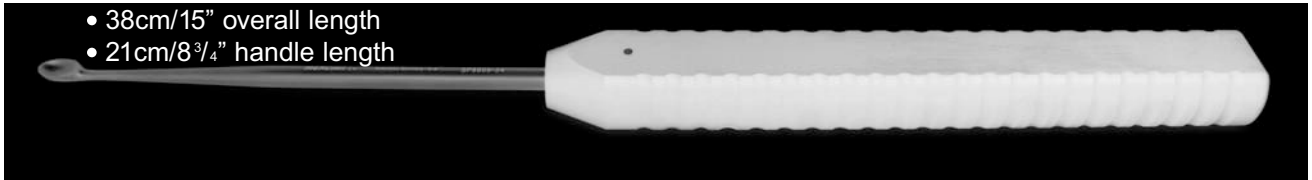


Straight	Cup Size	Angled	Cup Size
ADH8010-27	0000	ADH8110-27	0000
ADH8020-27	000	ADH8120-27	000
ADH8030-27	00	ADH8130-27	00
ADH8040-27	0	ADH8140-27	0
ADH8050-27	1	ADH8150-27	1



SPINAL CURETTES

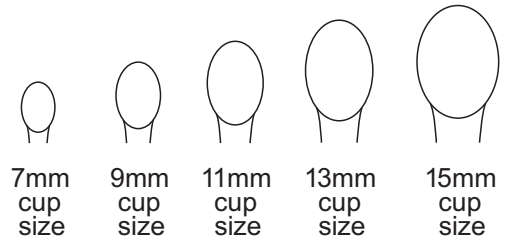
Double Handled Extra Large Curette



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



Straight	Cup Size	Angled	Cup Size
ADH8807-34	7mm	ADH8907-34	7mm
ADH8809-34	9mm	ADH8909-34	9mm
ADH8811-34	11mm	ADH8911-34	11mm
ADH8813-34	13mm	ADH8913-34	13mm
ADH8815-34	15mm	ADH8915-34	15mm

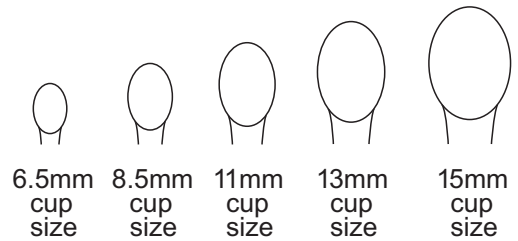


Comfort Handle Curette

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



Straight	Cup Size	Angled	Cup Size
ADH7561-07	6.5mm	ADH7563-07	6.5mm
ADH7561-09	8.5mm	ADH7563-09	8.5mm
ADH7561-11	11mm	ADH7563-11	11mm
ADH7561-13	13mm	ADH7563-13	13mm
ADH7561-15	15mm	ADH7563-15	15mm

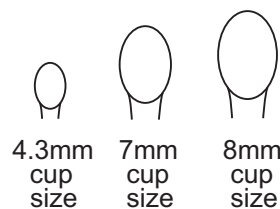


Long Anterior Curette

- 38cm/15" overall length



Straight	Cup Size	Angled	Cup Size
ADH8043-38	4.3mm	ADH8143-38	4.3mm
ADH8070-38	7mm	ADH8170-38	7mm
ADH8080-38	8mm	ADH180-38	8mm



SPINAL CURETTES

Light-Grip Cervical Curettes

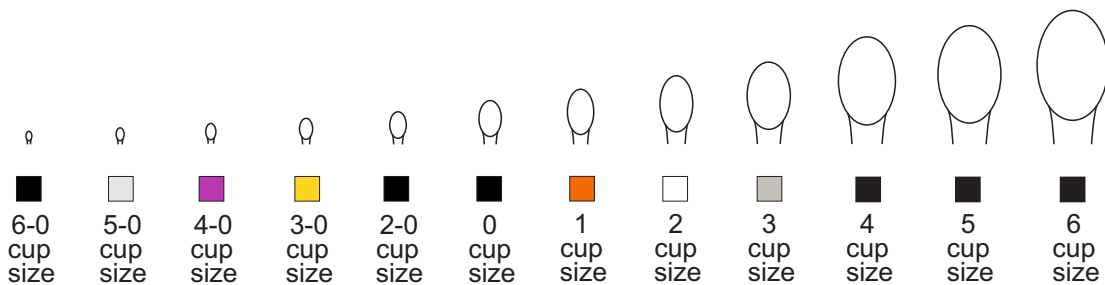
- 26cm/10 1/4" overall length
- 13cm/5 1/4" handle length
- Colour coded handles



Cup Size	Straight	Forward	Down
■ 6-0	ADH7403-06	ADH7405-06	ADH7406-06
□ 5-0	ADH7403-05	ADH7405-05	ADH7406-05
■ 4-0	ADH7403-04	ADH7405-04	ADH7406-04
■ 3-0	ADH7403-03	ADH7405-03	ADH7406-03
■ 2-0	ADH7403-02	ADH7405-02	ADH7406-02
■ 0	ADH7403-01	ADH7405-01	ADH7406-01
■ 1	ADH7403-10	ADH7405-10	ADH7406-10
□ 2	ADH7403-20	ADH7405-20	ADH7406-20
■ 3	ADH7403-30	ADH7405-30	ADH7406-30
■ 4	ADH7403-40	ADH7405-40	ADH7406-40
■ 5	ADH7403-50	ADH7405-50	ADH7406-50
■ 6	ADH7403-60	ADH7405-60	ADH7406-60

Light-Grip Cervical Curette Rack
Holds 12 Cervical Curettes

ADH7404-90



SPINAL CURETTES

Light-Grip Lumbar Currettes

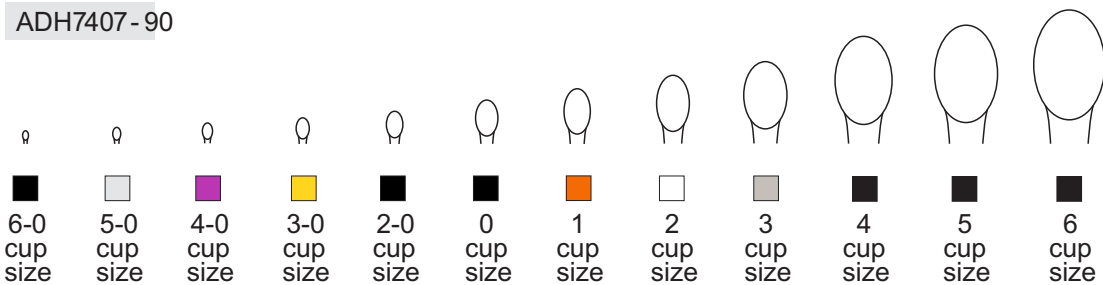
- 34cm/13 1/2" overall length
- 20cm/8" handle length
- Colour coded handles



Cup Size	Straight	Forward	Down
■ 6-0	ADH7407-06	ADH7408-06	ADH7409-06
□ 5-0	ADH7407-05	ADH7408-05	ADH7409-05
■ 4-0	ADH7407-04	ADH7408-04	ADH7409-04
■ 3-0	ADH7407-03	ADH7408-03	ADH7409-03
■ 2-0	ADH7407-02	ADH7408-02	ADH7409-02
■ 0	ADH7407-01	ADH7408-01	ADH7409-01
■ 1	ADH7407-10	ADH7408-10	ADH7409-10
□ 2	ADH7407-20	ADH7408-20	ADH7409-20
■ 3	ADH7407-30	ADH7408-30	ADH7409-30
■ 4	ADH7407-40	ADH7408-40	ADH7409-40
■ 5	ADH7407-50	ADH 7408-50	ADH7409-50
■ 6	ADH7407-60	ADH7408-60	ADH7409-60

Light-Grip Lumbar Curette Rack
Holds 12 Lumbar Currettes

ADH7407-90



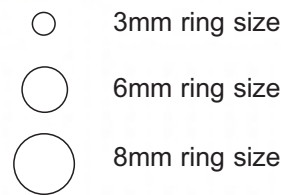
SPINAL CURETTES

Cones Ring Curette

• 23cm/9"



Straight	Ring Size	Angled	Ring Size
ADH8803-23	3mm	ADH8903-23	3mm
ADH8806-23	6mm	ADH8906-23	6mm
ADH8808-23	8mm	ADH8908-23	8mm



Zielke Curette

• 21cm/8 1/4"



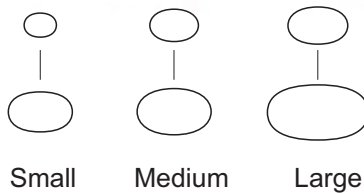
Straight	Size	Angled	Size
ADH8608-21	8mm	ADH8708-21	8mm
ADH8611-21	11mm	ADH8711-21	11mm

Volkman Double Ended Curette

• 22cm/8 3/4"



	Size
ADH8401-22	Small
ADH8402-22	Medium
ADH8403-22	Large



DISSECTORS

Swedish Dissector

- 18cm/7"



ADH9201-18

Howarth Elevator

- 21.5cm/8 1/2"



ADH9207-21

MacDonald Elevator/Dissector



Size

- | | |
|------------|---------|
| ADH7105-19 | 18cm/7" |
| ADH9206-23 | 23cm/9" |

Watson Cheyne Dissector



Size

- | | |
|------------|------------|
| HA7203-18 | 18cm/7" |
| ADH9203-23 | 23cm/9" |
| ADH9203-25 | 25.5cm/10" |

Freers Elevator/Dissector

- 18.5cm/7 1/4"



ADH7602-18

CASPAR CERVICAL DISTRACTIONSET



Caspar Vertebral Body Distraction Set

Complete set consisting of:

SP3001-00

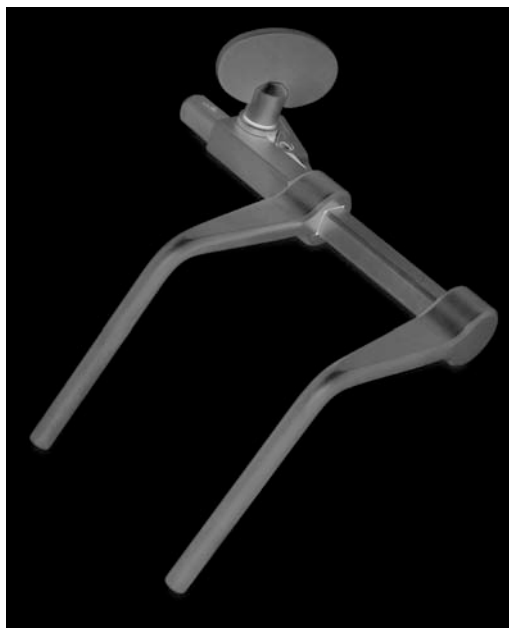
- For retraction of the vertebral body in the cervical spine to allow access to the disc
- Less instrumentation in the disc space
- Distraction screws are secured into the vertebral body either side of the disc, the retractor is then slid over the screws and retracted

Qty	Order Code	Description
1	ADH3002-00	Retractor Right
1	ADH3003-00	Drill Guide Right
1	ADH3004-00	Screw Driver
1	ADH3005-00	Distraction Drill
1	ADH3006-14	Sterile Distraction Screws 14mm Boxes of 10

Distraction Retractor

ADH3002-00 Right (illustrated)

ADH3002-10 Left



CASPAR CERVICAL DISTRACTIONSET

Drill Guide

ADH3003-00 Right (illustrated)

ADH3003-10 Left



Screw Driver

ADH3004-00



Distraction Drill

ADH3005-00



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

Distraction Screws

- 7cm post length
- Sterile packed



	Thread length
ADH3006-12	12mm
ADH3006-14	14mm
ADH3006-16	16mm

LAMINA & VERTEBRAL SPREADERS

Cervical Vertebral Spreader

- 13cm/5 1/4"
- 3mm tip

	Depth
ADH2002-70	70mm
ADH2002-95	95mm



Cloward Cervical Spreader

- 17cm/6 3/4"
- Max opening 20mm

ADH2003-17



Cloward Lamina Spreader

- 15cm/6"

ADH2004-70

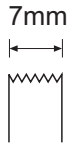


LAMINA & VERTEBRAL SPREADERS

Baby Inge Lamina Spreader

- 18cm/7"

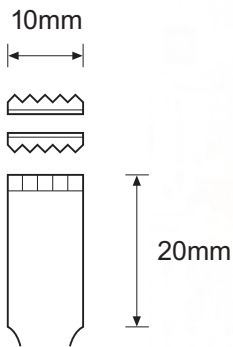
ADH5134-18



Inge Lamina Spreader

- 24cm/9 1/2", Max opening 50mm

ADH2006-24



Scaglietti Lamina Spreader

- 28cm/11"
- With speed lock

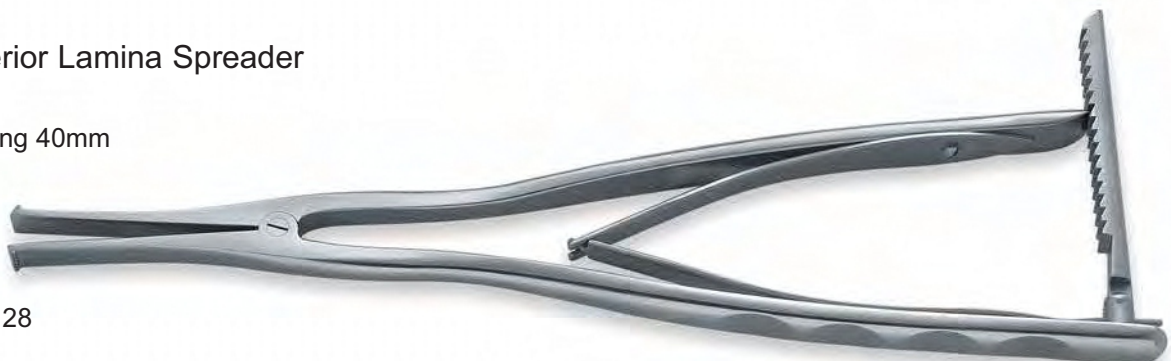
ADH2009-28



Long Anterior Lamina Spreader

- 28cm/11"
- Max opening 40mm

ADH2008-28



HOOKS & PROBES

Adson Dural Hook

- 19cm/7 1/2"

Sharp
SP9103-19

Blunt
SP9104-19



Titanium Micro Hooks

- 19cm/7 1/2"



90° Semi-sharp
ADH8109-19



90° Blunt
MV8110-19



Crile Blunt Hook

- 20cm/8"
- 7mm tip length



ADH9111-20

Emmet Sharp Hook

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



ADH9106-22

Cushing Blunt Hook

- 28cm/11"
- 4mm tip length

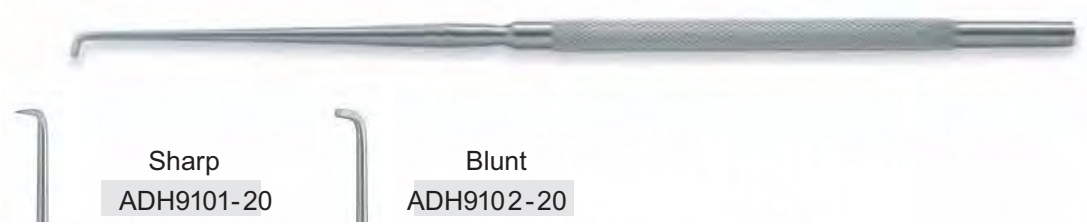


ADH9107-28

HOOKS & PROBES

Adson Hook

- 20cm/8"
- 5mm tip length



McCulloch Probe with Ball End

- 23.5cm/9 1/4"



Manipulation Hook

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



ADH5250-15

Blalock Blunt Hook

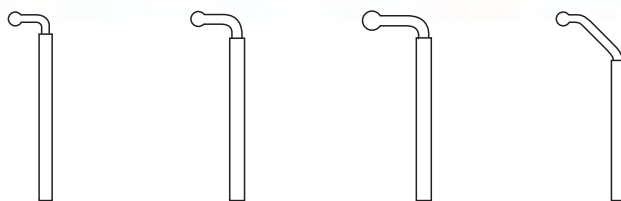
- 24cm/9 1/2"
- ADH tip length



ADH9108-24

Caspar Exploration Probe

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



ADH9151-24

ADH9152-24

ADH9153-24

ADH9154-24

NERVE ROOT RETRACTORS

Love Bayonet Nerve Root Retractor

- 21cm/8 1/4"

ADH5000-



Krayenbuhl Nerve Root Retractor

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

21cm/8 1/4" ADH5041-21

24cm/9 1/2" ADH5042-24



O'Connell Nerve Root Retractor

- 21.5cm/8 1/2"

ADH5002-21



Love Nerve Root Retractor

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



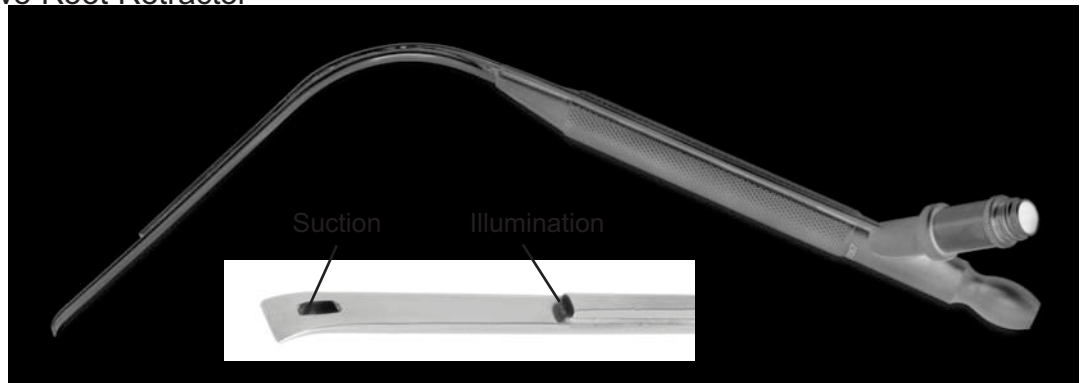
- ADH5010-22 Straight
- ADH5011-22 25° Angled illustrated
- ADH5012-22 90° Angled

NERVE ROOT RETRACTORS

Shepherd Suction Nerve Root Retractor

- 26cm/10 1/2"
- With suction aspiration
- Fibre optic illumination
- 4mm tip width

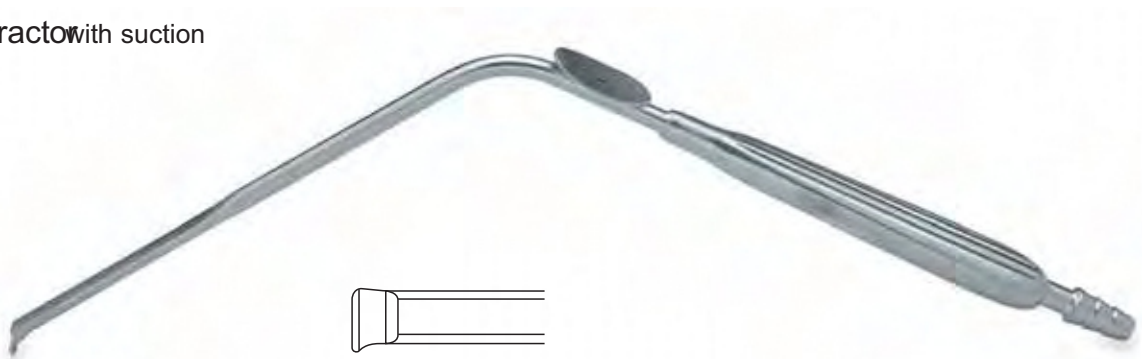
ADH5015-26



Nerve Root Retractor with suction

- 31cm/12"
- 7mm tip width

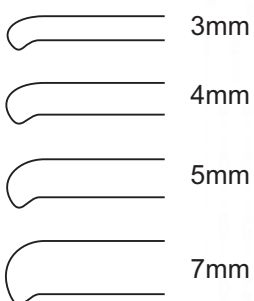
ADH5013-31



Hess Nerve Root Retractor

- 19cm/7 1/2"

	Width
ADH5003-19	3mm
ADH5004-19	4mm
ADH5005-19	5mm
ADH5007-19	7mm



Nerve Root Retractor

- 19cm/7 1/2"
- with fibre optic illumination



	Width
ADH5033-19	3mm
ADH5055-19	5mm

HAND HELD RETRACTORS

Meyerding Retractor

- 22.5cm/9"



Blade size

ADH5050-22	50mm x 16mm
ADH5075-22	75mm x 25mm
ADH5090-22	90mm x 50mm

Langenbeck Retractor

- 21.5cm/8½"



Blade size

ADH5122- 2	22mm x 6mm
ADH5145- 2	45mm x 13mm
ADH5165- 2	65mm x 25mm
ADH5190- 2	90mm x 20mm



Taylor Hip Retractor

- 19cm/7½"

Depth

ADH5006-19	70mm
ADH5008-19	85mm
ADH5010-19	100mm

Bone Hook

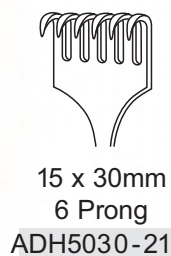
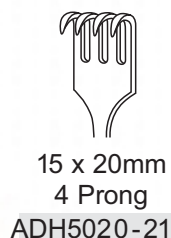
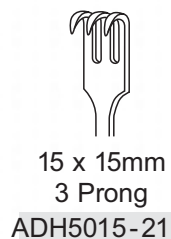
- 24.5cm/9¾"
- Sharp

ADH9050-24



Volkman Catpaw Retractor

- Semi sharp teeth
- 21.5cm/8½"



Cloward Style Blade Retractor

- 11cm/4¼"

Width

ADH5013-11	13mm
ADH5018-11	18mm
ADH5020-11	20mm

SELF RETAINING RETRACTORS

Baby Weitlaner S/R Retractor

- 11.5cm/4½"
- 2 x 3 Blunt Prongs

ADH5701-10



Mollison S/R Retractor - Child

- 13cm/5¼"
- 2 x 2 Sharp prongs 12mm depth

ADH4005-13



Mollison S/R Retractor - Adult

- 17cm/6¾"
- 4 x 4 Sharp prongs 14mm depth

ADH4005-17



SELF RETAINING RETRACTORS

West's S/R Retractor

- 14cm/5 1/2"
- 3 x 4 Sharp Prongs

ADH4003-14



Weitlaner S/R Retractor

- 14cm/5 1/2"
- 3 x 4 Blunt Prongs

ADH4002-14

Travers S/R Retractor

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

ADH4004-20



Norfolk and Norwich S/R Retractor

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

ADH4000-20



SELF RETAINING RETRACTORS

Cones Self Retaining Retractor

- 3 x 4 Prongs
- Jointed Arms



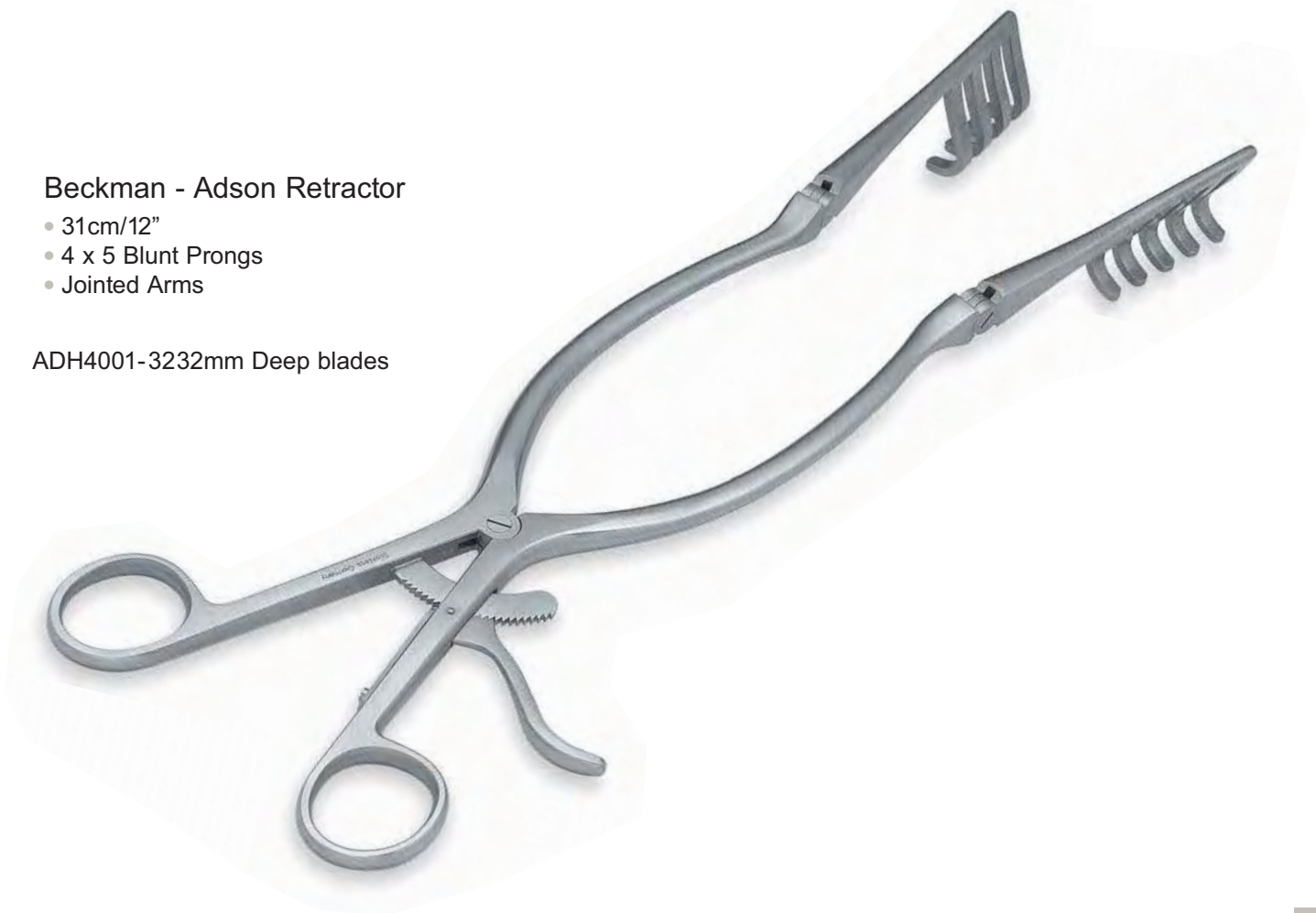
Blunt Prongs	Length
ADH4064-13	13cm/5"
ADH4066-16	16cm/6½"
ADH4068-20	20cm/8"
ADH4070-24	24cm/9½"

Sharp Prongs	Length
ADH4063-13	13cm/5"
ADH4065-16	16cm/6½"
ADH4067-20	20cm/8"
ADH4069-24	24cm/9½"

Beckman - Adson Retractor

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

ADH4001-3232mm Deep blades



SELF RETAINING RETRACTORS

Gelpi Laminectomy Retractor

- Sharp Prongs

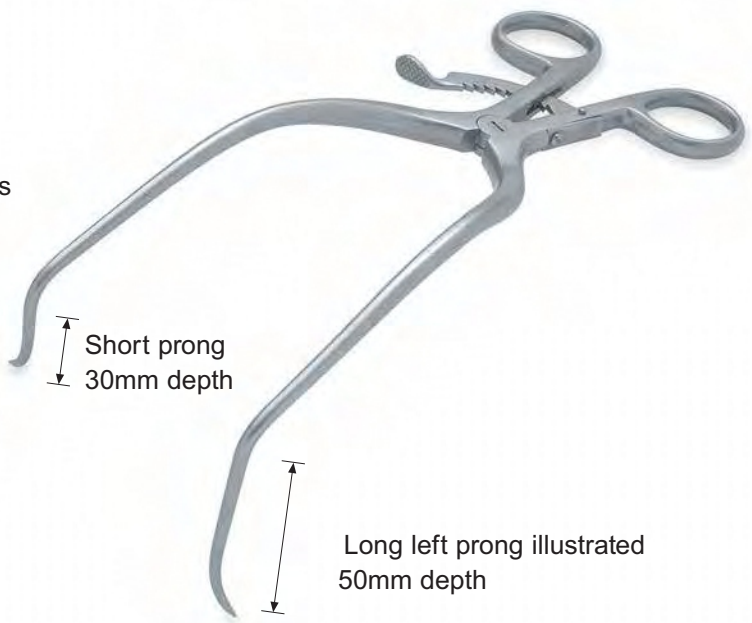
		Prong depth
18.5cm/7 ¹ / ₄ "	PS4030-16	30mm
19.5cm/7 ³ / ₄ "	PS4050-16	50mm
20cm/8"	PS4070-16	70mm



Hardman Retractor

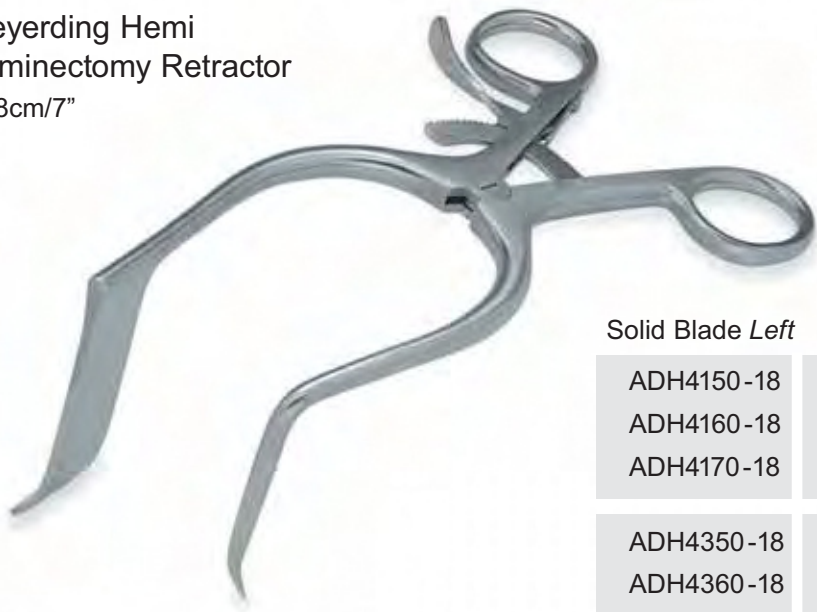
- 20cm/8"

	Prong depth
ADH4550-2)	50mm equal prongs
ADH4500-2)	long prong - Left
ADH4300-2)	long prong - Right



Meyerding Hemi Laminectomy Retractor

- 18cm/7"



Solid Blade Left	Blade Size	Solid Blade Right	
ADH4150-18	50 x 10mm	SP4250-18	Narrow Blade
ADH4160-18	60 x 10mm	SP4260-18	
ADH4170-18	70 x 10mm	SP4270-18	
ADH4350-18	50 x 20mm	SP4450-18	Wide Blade
ADH4360-18	60 x 20mm	SP4460-18	
ADH4370-18	70 x 20mm	SP4470-18	

SELF RETAINING RETRACTORS

Long Gelpi Orthopaedic Retractor

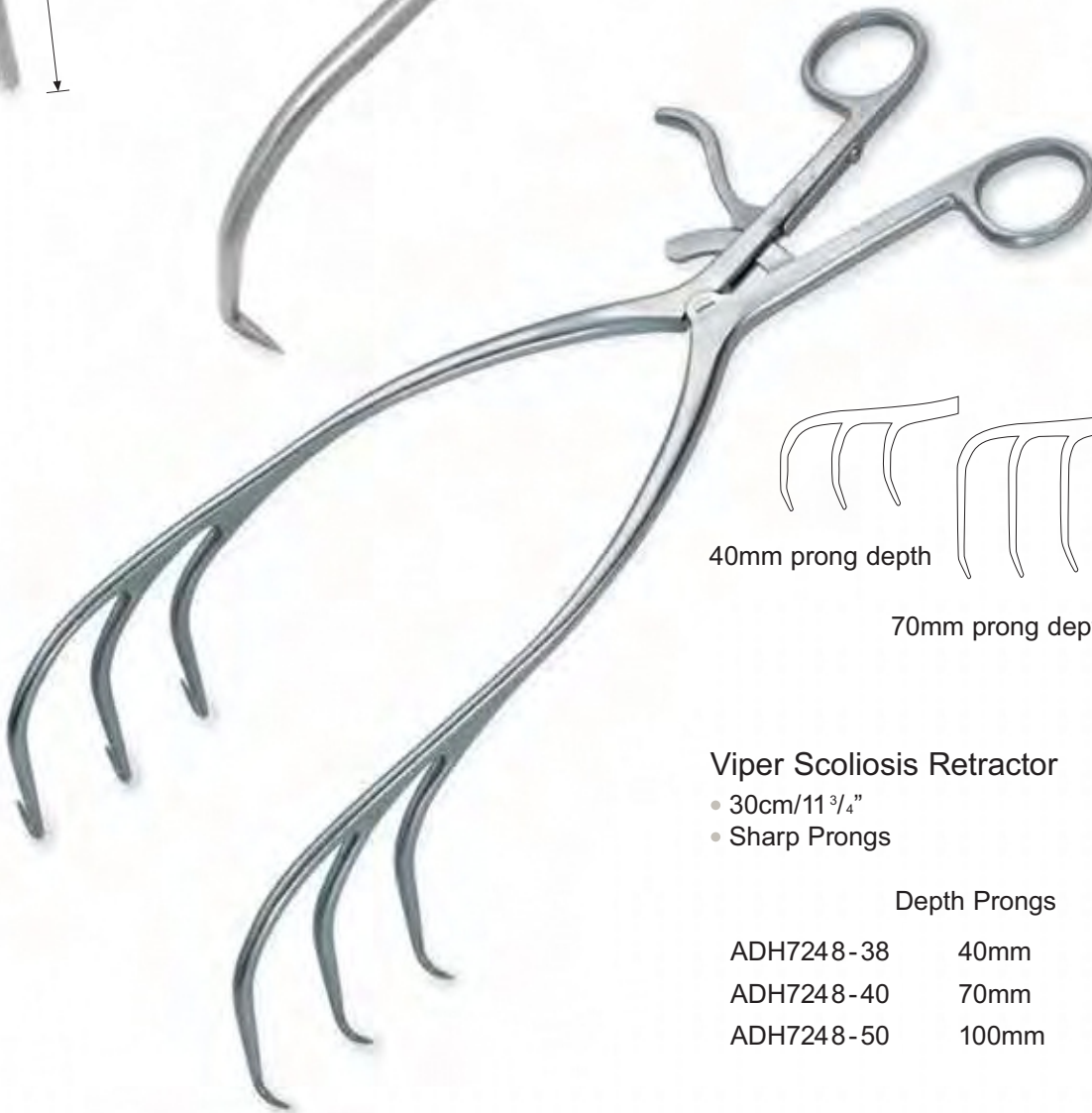
- 30cm/11 3/4"
- Sharp Prongs

Depth Prongs

ADH7245-10	70mm
ADH7245-12	100mm



70mm depth illustrated



40mm prong depth

70mm prong depth

100mm prong depth

Viper Scoliosis Retractor

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

Depth Prongs

ADH7248-38	40mm
ADH7248-40	70mm
ADH7248-50	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 nish eliminates distracting reactions under the Microscope during Surgery.
- The wide selection of Blades available allows the Surgeon full exibility in approaches to the Disc.

Basic Micro-Discectomy Retractor Set

PS5200-00

Complete set consisting of:

Qty	Order Code	Description
1 each	ADH5202-00	Retractor Frame
4 pairs	ADH5204-40	Wide Muscle Blades Sizes 4cm to 7cm depth
4 pairs	ADH5206-40	Narrow Muscle Blades Sizes 4cm to 7cm depth
4 each	ADH5208-40	Hook Blades Sizes 3cm to 6cm depth
4 each	ADH5210-40	Toothed Blades Sizes 3cm to 6cm depth
1 each	ADH5200-10	Instrument Container

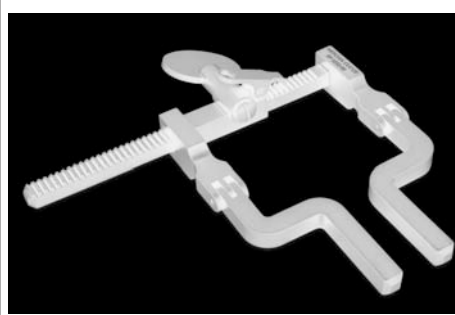
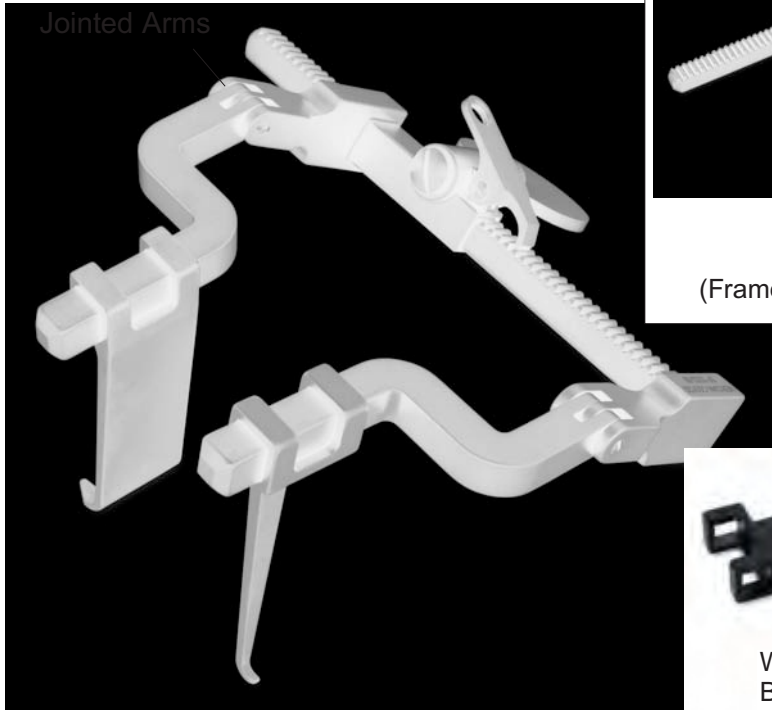
Extended Micro-Discectomy Retractor Set

PS5200-01

Complete set consisting of:

Qty	Order Code	Description
2 each	ADH5202-00	Retractor Frames
6 pairs	ADH5204-60	Wide Muscle Blades Sizes 3cm to 8cm depth
6 pairs	ADH5206-60	Narrow Muscle Blades Sizes 3cm to 8cm depth
6 each	ADH5208-60	Hook Blades Sizes 2cm to 7cm depth
6 each	ADH5210-60	Toothed Blades Sizes 2cm to 7cm depth
1 each	ADH5200-10	Instrument Container

MICRO DISCECTOMY RETRACTOR



Retractor Frame

- Jointed arms
- Maximum spread 70mm

ADH5202-00

Retractor Frame

- Rigid arms

ADH5203-00

(Frame available with extra long rack 140mm spread)



Hook Blades

ADH5208-02	2cm depth
ADH5208-03	3cm depth
ADH5208-04	4cm depth
ADH5208-05	5cm depth
ADH5208-06	6cm depth
ADH5208-07	7cm depth

ADH5208-08	8cm depth
ADH5208-09	9cm depth
ADH5208-10	10cm depth



Toothed Blades

ADH5210-02	2cm depth
ADH5210-03	3cm depth
ADH5210-04	4cm depth
ADH5210-05	5cm depth
ADH5210-06	6cm depth
ADH5210-07	7cm depth

ADH5210-08	8cm depth
ADH5210-09	9cm depth
ADH5210-10	10cm depth



Wide Muscle Blades - 6 Teeth

27mm width

ADH5204-03	3cm depth
ADH5204-04	4cm depth
ADH5204-05	5cm depth
ADH5204-06	6cm depth
ADH5204-07	7cm depth
ADH5204-08	8cm depth

ADH5204-09	9cm depth
ADH5204-10	10cm depth
ADH5204-12	12cm depth



Narrow Muscle Blades - 4 Teeth

20mm width

ADH5206-03	3cm depth
ADH5206-04	4cm depth
ADH5206-05	5cm depth
ADH5206-06	6cm depth
ADH5206-07	7cm depth
ADH5206-08	8cm depth

ADH5206-09	9cm depth
ADH5206-10	10cm depth
ADH5206-12	12cm depth

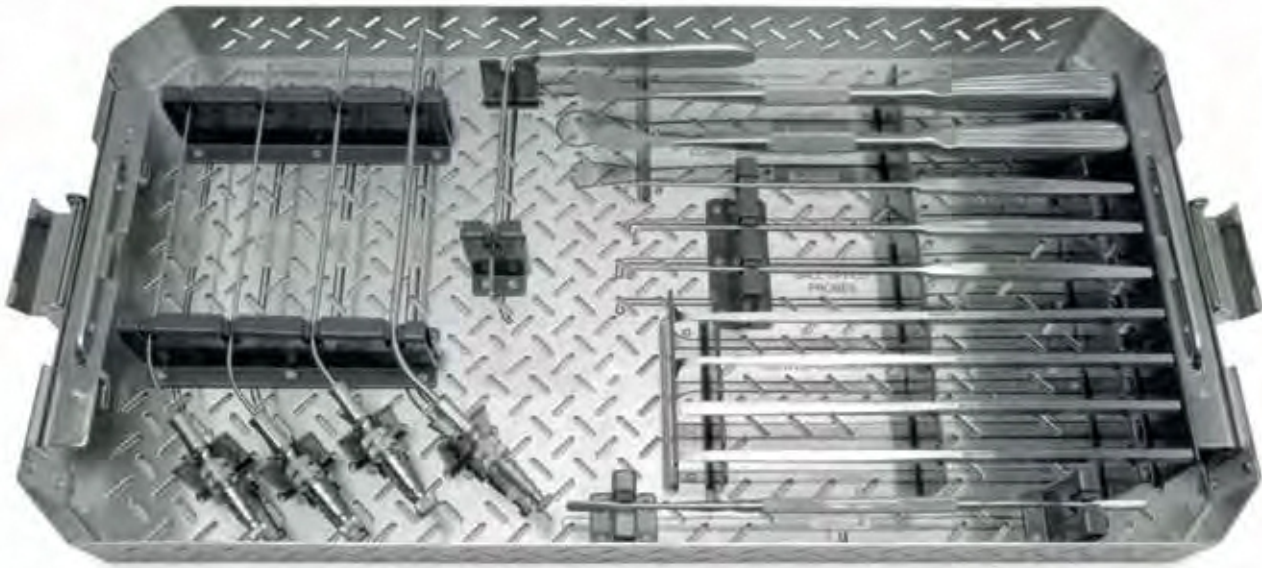


Thin Muscle Blades - 2 Teeth

17mm width

ADH5207-03	3cm depth
ADH5207-04	4cm depth
ADH5207-05	5cm depth
ADH5207-06	6cm depth
ADH5207-07	7cm depth
ADH5207-08	8cm depth

MICRO DISCECTOMY INSTRUMENT SET



McCulloch Style Instrument Set with Container SP5200-05

Complete set consisting of:

Qty	Order Code	Description
1	ADH5250-15	McCulloch Spinal Hook, 4mm tip - 23cm/9" length
1	ADH5250-13	McCulloch Spinal Probe, 4mm tip - 23cm/9" length
1	ADH5250-14	McCulloch Spinal Probe, 6mm tip - 23cm/9" length
1	ADH5250-07	Cobbs Spinal Elevator, 12mm width - 26cm/10 ¹ / ₄ " length
1	ADH5250-08	Cobbs Spinal Elevator, 19mm width - 26cm/10 ¹ / ₄ " length
1	ADH5250-03	Spinal Osteotome, 4mm width - 22cm/8 ¹ / ₂ " length
1	ADH5250-04	Spinal Osteotome, 6mm width - 22cm/8 ¹ / ₂ " length
1	ADH5250-05	'Hockey Stick' Chisel, 5mm width - 22cm/8 ¹ / ₂ " length, curved right
1	ADH5250-06	'Hockey Stick' Chisel, 5mm width - 22cm/8 ¹ / ₂ " length, curved left
1	ADH5250-01	Elevator Double Ended, 24cm/9" length
1	ADH5250-09	McCulloch Suction Tube, Fenestrated tip, 23cm/9" length, 6FG, 2.0mm Ø
1	ADH5250-10	McCulloch Suction Tube, Fenestrated tip, 23cm/9" length, 7FG, Ø.3mm
1	ADH5250-11	McCulloch Suction Tube, Fenestrated tip, 23cm/9" length, 9FG, 3.0mm Ø
1	ADH5250-12	McCulloch Suction Tube, Fenestrated tip, 23cm/9" length, 12FG, 4.0mm Ø
1	ADH5250-02	McCulloch Nerve Root Retractor, 90° angled, 6mm tip, 12.5cm/5" working length

McCulloch Style Spinal Hook/Probe

• 23cm/9" length

Hook
Tip 4mm



ADH5250-15

Probe Ball
Tip 4mm



ADH5250-13

Probe Ball
Tip 6mm



ADH5250-14



MICRO DISCECTOMY SET

Cobbs Spinal Elevator

- 26cm/10 1/4" length

Width

ADH5250-07	12mm
ADH5250-08	19mm



Spinal Osteotome

- 22cm/8 1/2" length

Width

ADH5250-03	4mm
ADH5250-04	6mm



'Hockey Stick' Chisel

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

ADH5250-05 Curved right

ADH5250-06 Curved left



Elevator Double Ended

- 24cm/9 3/4" length

ADH5250-01



McCulloch Suction Tube

- 23cm/9" length
- Fenestrated tip

FG

Diameter

ADH5250-09	6FG	2.0mm Ø
ADH5250-10	7FG	2.3mm Ø
ADH5250-11	9FG	3.0mm Ø
ADH5250-12	12FG	4.0mm Ø



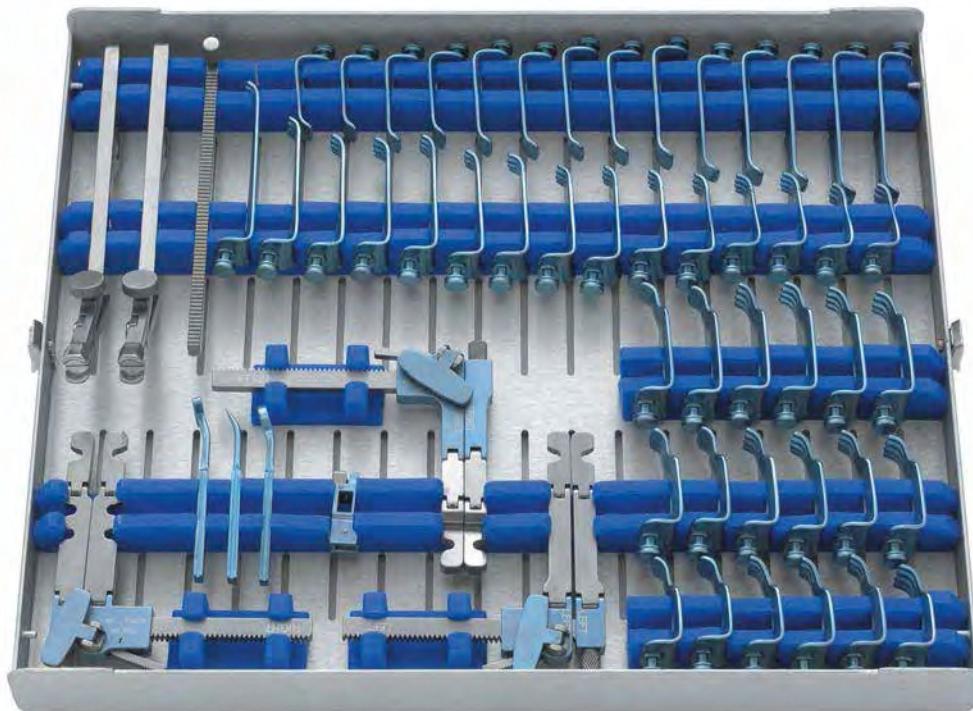
McCulloch Nerve Root Retractor

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

ADH5250-02



'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

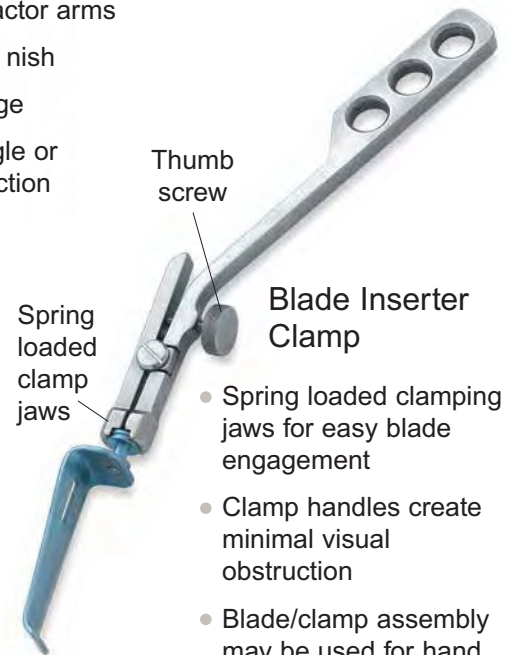
27mm wide two level blade

22mm wide Pronged blade

22mm wide Blunt blade



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

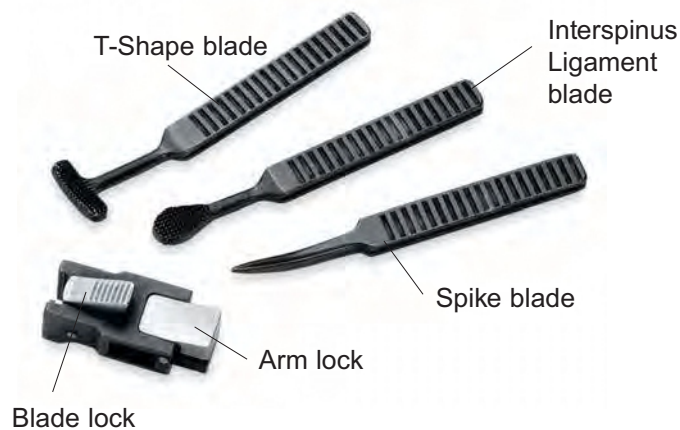


Thumb screw

Spring loaded clamp jaws

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



T-Shape blade

Interspinus Ligament blade

Spike blade

Arm lock

Blade lock

Lumbar Micro Discectomy Attachments

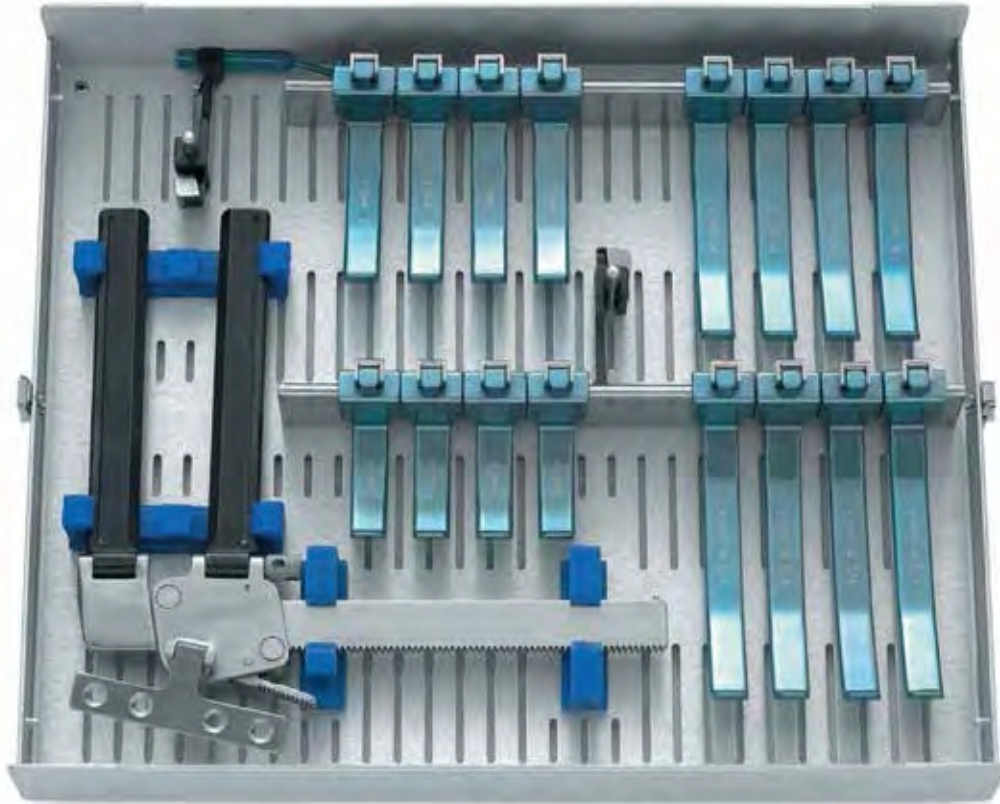
With this set the standard Cervical Retractor becomes a Lumbar Microdiscectomy Retractor unit.

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 4 ³ / ₄ " 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:

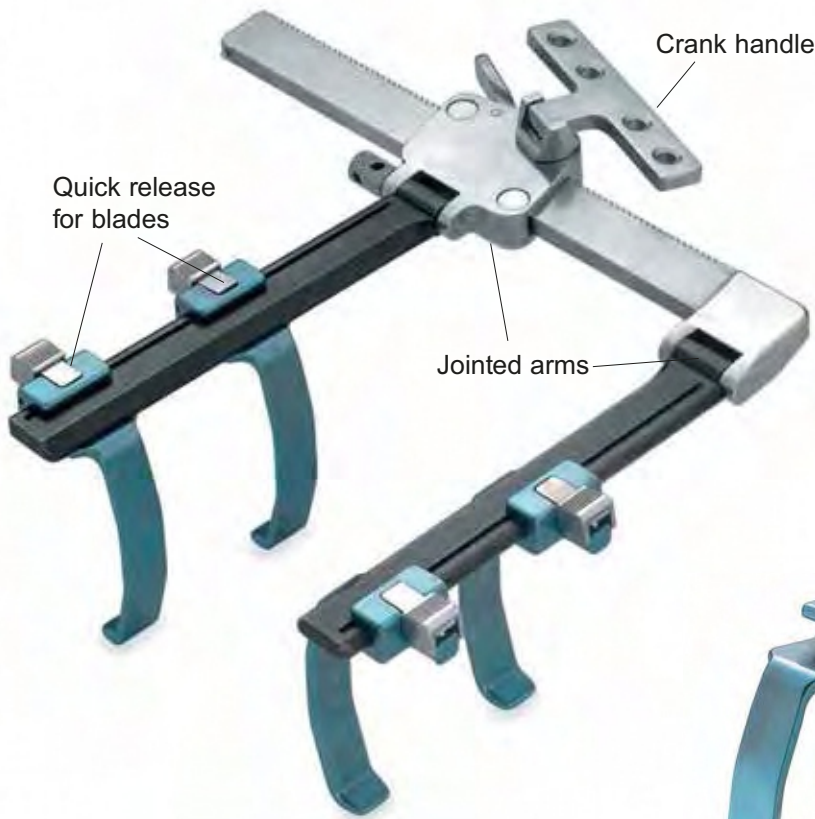
Qty	Order Code	Description
1	7329-10	Retractor Frame
4	7329-82	Small Titanium blades 2" deep
4	7329-84	Medium Titanium blades 3" deep
4	7329-86	Large Titanium blades 4" deep
1	7329-90	Instrument container

Titanium Super-Slide Retractor Extended Set

7329-09 Includes components of Titanium basic set plus:

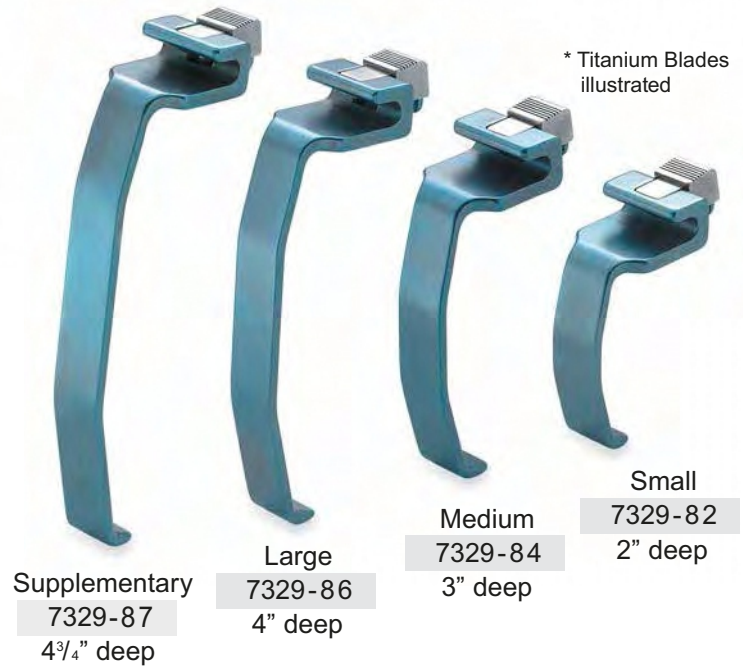
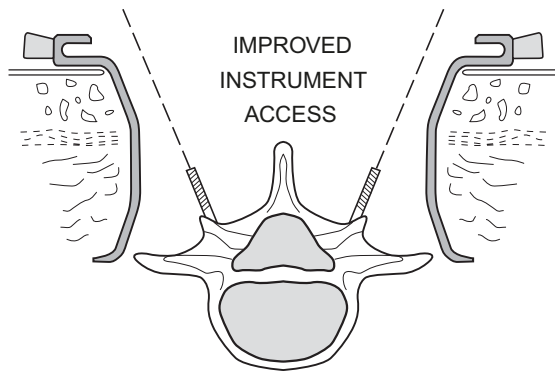
Qty	Order Code	Description
4	7329-87	Supplementary Titanium blades 4 ³ / ₄ " deep
2	7329-60	Unilateral blade heads
2	7329-62T	Unilateral Titanium T-blades

SUPER-SLIDEII LAMINECTOMYRETRACTOR SET



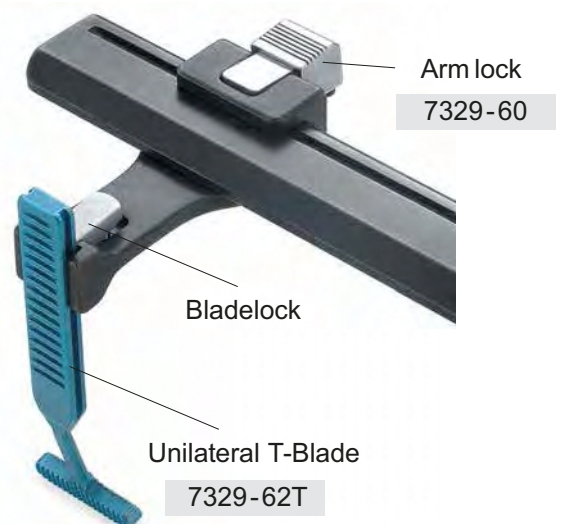
Super-Slide Retractor Blades

- 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



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 nish to prevent glare
- Fenestrated blades on the specula reduce the risk of movement during surgery

Complete Set

ADH5100-00

Consisting of:

Lateral Blades	Depth	Specula	Depth
ADH5101-40	40mm	ADH5100-40	40mm
ADH5101-45	45mm	ADH5100-45	45mm
ADH5101-50	50mm	ADH5100-50	50mm
ADH5101-55	55mm	ADH5100-55	55mm
ADH5101-60	60mm	ADH5100-60	60mm
ADH5101-65	65mm	ADH5100-65	65mm
ADH5101-70	70mm	ADH5100-70	70mm



ADH5102-00
ADH5103-00

Counter Retractor Frame
Blade Ejector Forceps

CASPAR MICRO LUMBAR DISCECTOMY RETRACTOR

Lateral Blades



Blade Ejector Forceps

ADH5103-00



Specula Range



Caspar Micro Discectomy Retractor Frame

ADH5102-00



BLACK BELTMICRO DISCECTOMY RETRACTOR SET



Black Belt Micro Discectomy Retractor Set

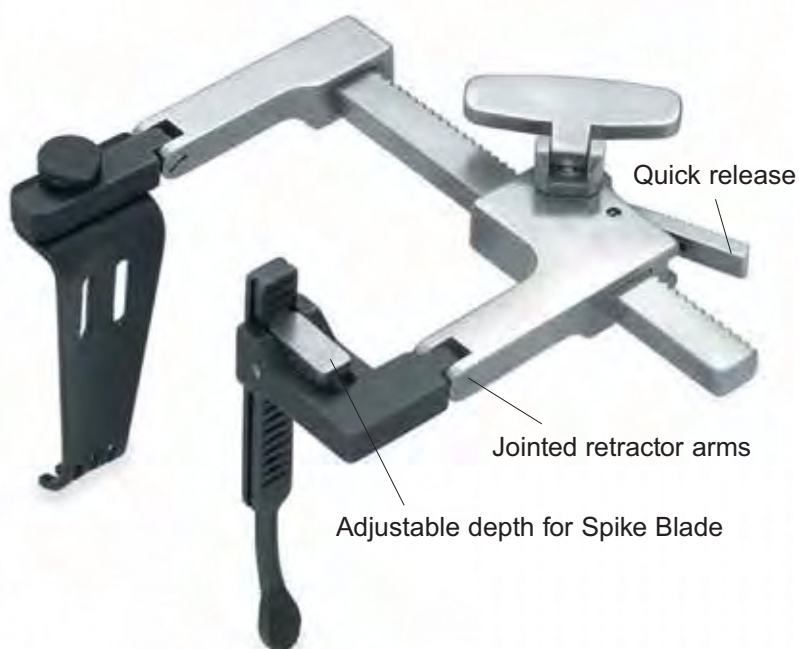
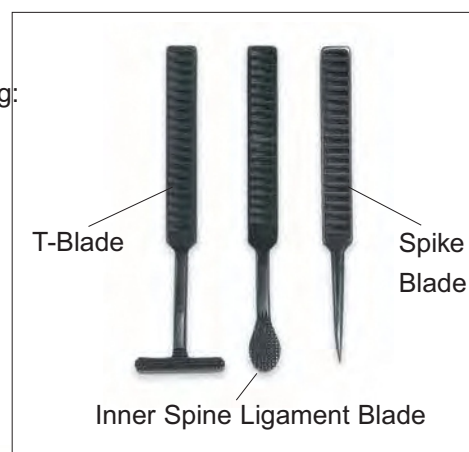
A specialist retractor for Lumbar Micro Discectomy Surgery featuring:

- 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



BAYONETMICRO INSTRUMENTS FOR DURAL REPAIRS

Yasargil Bayonet Micro Needle Holder

- Flat Handed
- Delicate 1mm Jaws



With Lock		Straight		Curved		Without Lock		Straight		Curved	
23cm/9"	ADH1012-23	ADH1013-23				23cm/9"	MV112-23	MV113-23			

Bayonet Micro Needle Holder

- Round Bodied
- Delicate 1mm Jaws



With Lock		Straight		Curved		Without Lock		Straight		Curved	
21cm/8 ¹ / ₄ "	MV1010-21	MV1011-21				21cm/8 ¹ / ₄ "	ADH1110-21	ADH1111-21			
23cm/9"	MV1010-23	MV1011-23				23cm/9"	ADH1110-23	ADH1111-23			

Yasargil Bayonet Micro Forceps

- Flat Handed
- Blunt 1mm Tips







22.5cm/8 ¹ / ₄ "	ADH2301-22
24cm/9 ¹ / ₂ "	ADH2301-24

Yasargil Bayonet Micro Scissors

- Flat Handed
- 22.5cm/8³/₄" length



Standard Blade		Vannas Blade	
	Straight ADH3005-22		Straight ADH3007-22
	Curved ADH3006-22		Curved ADH3008-22

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 3/4" 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"

ADH7645-19



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

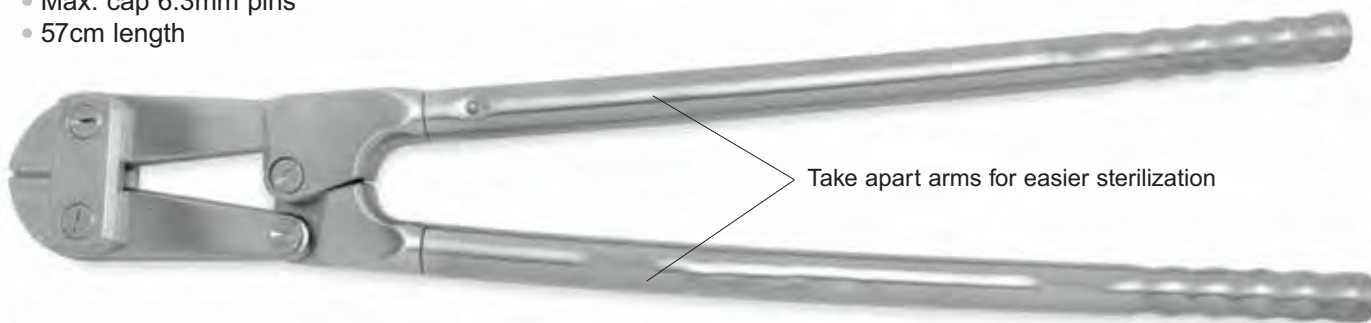
200-512-185



MISC INSTRUMENTS

Bolt Cutters with dismantable arms

- Max. cap 6.3mm pins
- 57cm length



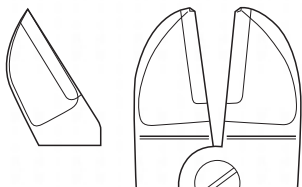
200-500-585



- 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"

• Su

8-800E22

22cm/8³/₄"

• Suitable for wires up to 3mm diameter

Needle Nosed Locking Pliers



Length

200-514-220

22cm/8³/₄"

Small

200-515-250

25cm/9³/₄"

Medium

200-516-300

30cm/11³/₄"

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"

ADH7334-20



Castroviejo Caliper

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

ADH7334-10



Vernier Caliper

- 22.5cm/9"
- Measuring range 15cm

ADH7338-00



Depth Gauge

- Measuring depth up to 50mm

ADH7350-00



Depth Gauge

- Measuring depth up to 70mm

ADH7370-00



Direct Reading Depth Gauge

- 23cm length
- Measuring range 0.5 to 40mm

ADH7333-10



MISC INSTRUMENTS

Frazier Suction Tube

• 17cm/6 3/4"



ADH9041-17	6FG	2.0mm
ADH9042-17	7FG	2.3mm
ADH9043-17	8FG	2.7mm
ADH9044-17	9FG	3.0mm
ADH9045-17	10FG	3.3mm
ADH9046-17	11FG	3.7mm
ADH9047-17	12FG	4.0mm

Frazier Suction Tube

• 23cm/9"



ADH9041-23	6FG	2.0mm
ADH9042-23	7FG	2.3mm
ADH9043-23	8FG	2.7mm
ADH9044-23	9FG	3.0mm
ADH9045-23	10FG	3.3mm
ADH9046-23	11FG	3.7mm
ADH9047-23	12FG	4.0mm

Bayonet Dissecting Forceps



19cm/7 1/2"	Tip Size
ADH9701-19	1mm
ADH9702-19	2mm

21cm/8 1/2"	Tip Size
ADH9701-21	1mm
ADH9702-21	2mm