

# HDF

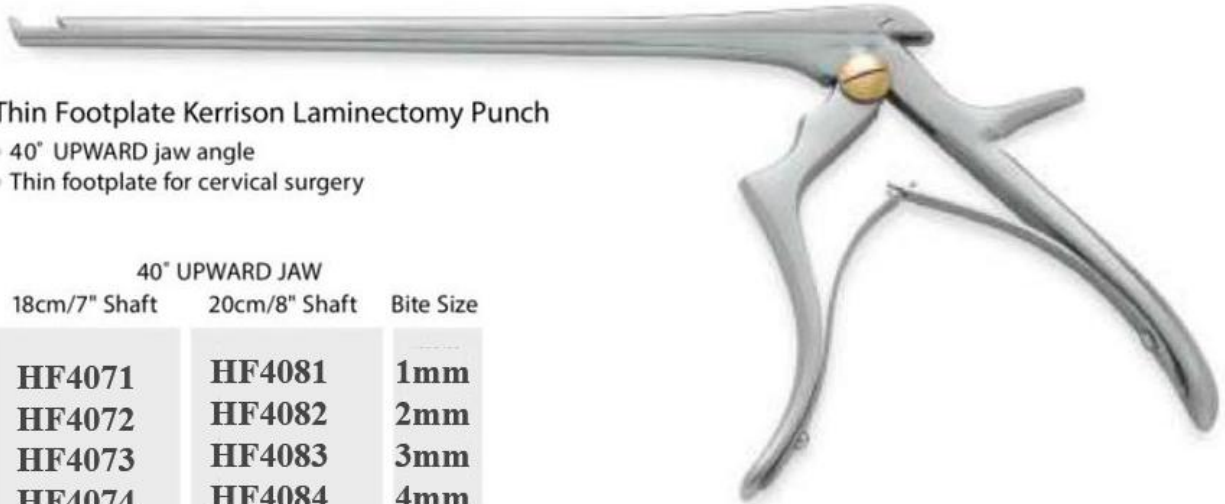
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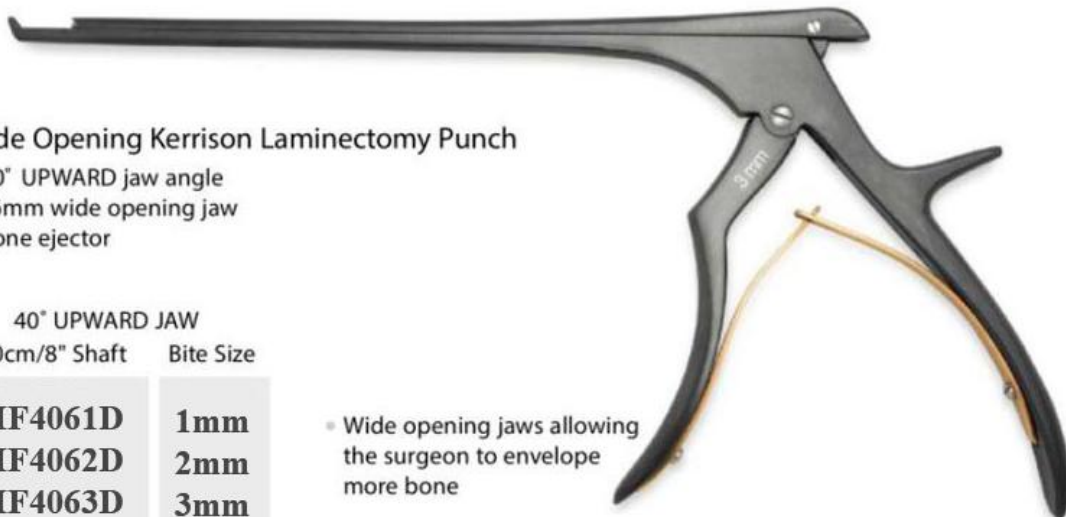
**Thin Footplate Kerrison Laminectomy Punch**

- 40° UPWARD jaw angle
- Thin footplate for cervical surgery

40° UPWARD JAW		Bite Size
18cm/7" Shaft	20cm/8" Shaft	
<b>HF4071</b>	<b>HF4081</b>	<b>1mm</b>
<b>HF4072</b>	<b>HF4082</b>	<b>2mm</b>
<b>HF4073</b>	<b>HF4083</b>	<b>3mm</b>
<b>HF4074</b>	<b>HF4084</b>	<b>4mm</b>
<b>HF4075</b>	<b>HF4085</b>	<b>5mm</b>



- A reduced footplate thickness useful for a restricted operating area

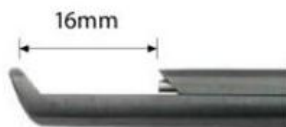


**Wide Opening Kerrison Laminectomy Punch**

- 40° UPWARD jaw angle
- 16mm wide opening jaw
- Bone ejector

40° UPWARD JAW	
20cm/8" Shaft	Bite Size
<b>HF4061D</b>	<b>1mm</b>
<b>HF4062D</b>	<b>2mm</b>
<b>HF4063D</b>	<b>3mm</b>
<b>HF4064D</b>	<b>4mm</b>
<b>HF4065D</b>	<b>5mm</b>

- Wide opening jaws allowing the surgeon to envelope more bone



40° UPWARD

\*1mm not available with bone ejector

**Munich Grasping Forceps**

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

**HF4024-16**



**Weil-Blakesley Forceps**

- 18cm/7" shaft length
- Fenestrated jaw

Straight Jaw Bite Size

<b>HF4025-17</b>	<b>2.5mm</b>
<b>HF4030-17</b>	<b>3.0mm</b>
<b>HF4035-17</b>	<b>3.5mm</b>

Upward 30° Angled Jaw Bite Size

<b>HF4025-18</b>	<b>2.5mm</b>
<b>HF4030-18</b>	<b>3.0mm</b>
<b>HF4035-18</b>	<b>3.5mm</b>



**Decker Rongeur**

- 15cm/6" shaft length
- Straight jaw

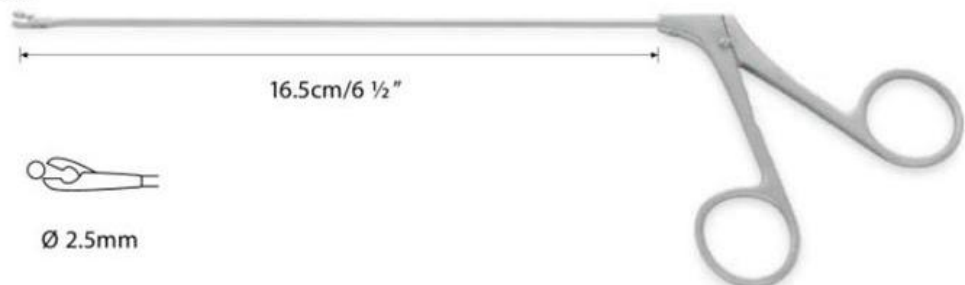
**HF4023-15**



**Nicola Micro Cupped Biopsy Forceps**

- 16.5cm/6 1/2" shaft length

**HF4022-15**



### Lempert Bone Nibbler

- 19cm/7 ½" length
- Single action

3mm Bite  
**HF1002-18**



### Luer Bone Nibbler

- 18cm/7" length
- Single action



Straight  
8mm Bite

**HF1003-18**



Curved  
8mm Bite

**HF1006-18**



### Adson Bone Nibbler

- 20cm/8" length
- Single action



7mm Bite

**HF1004-18I**



**Pennybacker Bone Nibbler**

- 20cm/8" length
- Single action



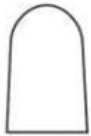
4mm Bite

**HF1040-21**



**Northfields Bone Nibbler**

- 20cm/8" length
- Single action



10mm Bite

**HF1043-21**



**'Rat Toothed' Bone Nibbler**

- 21cm/8 1/4" length
- Single action

5mm Bite

**HF1034-21**



8mm Bite

**HF1031-21**



**Williams Discectomy Rongeur**

• 14cm/5 ½" shaft length

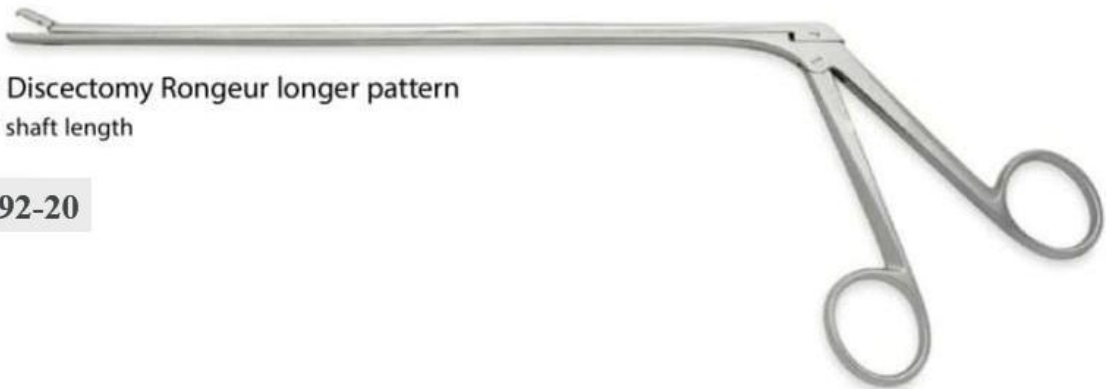
**HF60091-20**



**Williams Discectomy Rongeur longer pattern**

• 23cm/9" shaft length

**HF60092-20**



**'Pea Pod' Disc Rongeur**

• Short 10mm length jaw

15cm/6" Bite Size

<b>HF60093-20</b>	<b>2mm</b>
<b>HF60094-20</b>	<b>3mm</b>
<b>HF60095-20</b>	<b>4mm</b>

13cm/5 ¼" Bite Size

**HF60096-20 2mm**

Extra fine pattern 5mm length jaws



**Beck Disc Rongeur**

• 13cm/5 ¼" shaft length

• 2mm bite size

**HF60097-20**



**Echlin Duckbill Nibbler**

- 23cm/9" length
- Double action



2mm Bite

**HF60098**



3mm Bite

**HF60099**

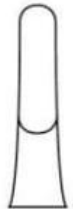


4mm Bite

**HF70000**

**Long Anterior Leksell Bone Nibbler**

- 30cm/12" length
- Double action



5mm Bite

**HF70001**



8mm Bite

**HF70002**

**Sypert Bone Nibbler**

- 36cm/14 1/4" length
- Double action - very long



5mm Bite

**HF70002**



8mm Bite

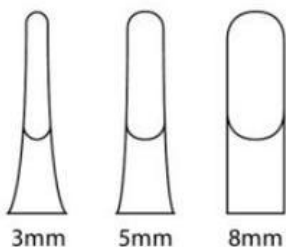
**HF70003**

**Leksell Bone Nibbler**

- 24cm/9 1/2" length
- Double action angled

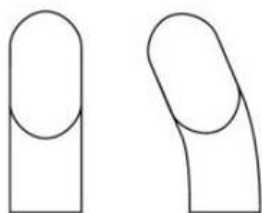


Angled Jaw	Bite Size
<b>HF1018-24</b>	<b>3mm</b>
<b>HF1019-24</b>	<b>5mm</b>
<b>HF1020-24</b>	<b>8mm</b>



**Stille-Luer Bone Nibbler**

- 22cm/8 3/4" length
- Double action



Straight  
10mm Bite

Curved  
10mm Bite

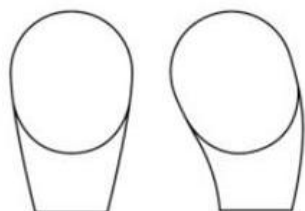
**HF1006-22**

**HF1007-22**



**'Mr Blobby' Stille-Luer Bone Nibbler**

- 26cm/10 1/4" length
- Double action



Straight  
17mm Bite

Curved  
17mm Bite

**HF1008-26**

**HF1009-26**





**Jansen Bone Nibbler**

- 18cm/7" length
- Curved double action

5mm Bite

**HF70011**



**Marquardt Bone Nibbler**

- 20cm/8" length
- Curved double action

3mm Bite

**HF70012**



**Smith-Peterson Bone Nibbler**

- 24cm/9 1/2" length
- Double action



Straight

Light Curve

Bite Size

<b>HF70013</b>	<b>SP1014-24</b>	<b>2mm</b>
<b>HF70014</b>	<b>SP1016-24</b>	<b>3mm</b>
<b>HF70015</b>	<b>SP1017-24</b>	<b>4mm</b>
<b>HF70016</b>	<b>SP1018-24</b>	<b>5mm</b>



Straight



Light Curve

**Zielke Intervertebral Rongeur**

- Angled parallel jaws



21cm/8 1/4"

25cm/9 3/4"

Bite Size

**HF70017**

**HF70019**

**3mm**

**HF70018**

**HF70020**

**5mm**



3mm Bite

5mm Bite

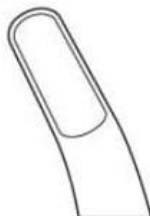
**Matzen Intervertebral Rongeur**

- 20cm/8" length
- Angled jaws



8mm Bite

**HF70021**



**Beyer Bone Nibbler**

- 18cm/7" length
- Curved double action



4mm Bite

**HF70022**

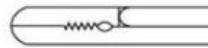


### Caspar Toothed Disc Rongeur

- Serrated and fenestrated jaws

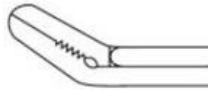
#### STRAIGHT JAW

16cm/6 ¼" Shaft	18cm/7" Shaft	Bite Size
<b>HF70023-18</b>	<b>HF70027-15</b>	<b>2mm</b>
<b>HF70024-18</b>	<b>HF70028-15</b>	<b>3mm</b>
<b>HF70025-18</b>	<b>HF70029-15</b>	<b>4mm</b>
<b>HF70026-18</b>	<b>HF70030-15</b>	<b>5mm</b>



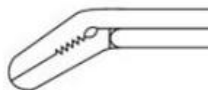
#### UPWARD JAW

16cm/6 ¼" Shaft	18cm/7" Shaft	Bite Size
<b>HF70031-17</b>	<b>HF70035-13</b>	<b>2mm</b>
<b>HF70032-17</b>	<b>HF70036-13</b>	<b>3mm</b>
<b>HF70033-17</b>	<b>HF70037-13</b>	<b>4mm</b>
<b>HF70034-17</b>	<b>HF70038-13</b>	<b>5mm</b>



#### DOWNWARD JAW

16cm/6 ¼" Shaft	18cm/7" Shaft	Bite Size
<b>HF70039-18</b>	<b>HF70043-18</b>	<b>2mm</b>
<b>HF70040-18</b>	<b>HF70044-18</b>	<b>3mm</b>
<b>HF70041-18</b>	<b>HF70045-18</b>	<b>4mm</b>
<b>HF70042-18</b>	<b>HF70046-18</b>	<b>5mm</b>

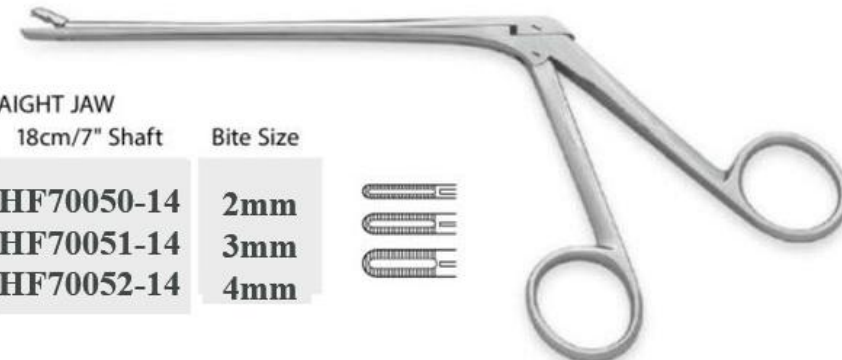
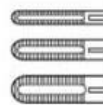


### Schlesinger Toothed Rongeur

- Fine serration on the jaw edge

#### STRAIGHT JAW

15cm/6" Shaft	18cm/7" Shaft	Bite Size
<b>HF70047-14</b>	<b>HF70050-14</b>	<b>2mm</b>
<b>HF70048-14</b>	<b>HF70051-14</b>	<b>3mm</b>
<b>HF70049-14</b>	<b>HF70052-14</b>	<b>4mm</b>



**McIndoe Bone Cutters**

- 18cm/7" length
- Double action
- Angled jaws



**HF70054**



**Stille-Liston Bone Cutters**

- 27cm/10 3/4" length



Straight

**HF70055**



Angled

**HF70056**



**Liston-Key-Horsley Bone Cutters**

- 27cm/10 3/4" length



**HF70057**



**Tudor Edwards/Vehmehren Costotome**

- 24cm/9 1/2" length
- For cutting ribs

**HF70058**



**Capener Osteotome**

- 25cm/9 3/4" length
- Tufnol handle



	Width
<b>HF70059</b>	<b>10mm</b>
<b>HF70060</b>	<b>12mm</b>
<b>HF70061</b>	<b>15mm</b>
<b>HF70062</b>	<b>20mm</b>
<b>HF70063</b>	<b>25mm</b>
<b>HF70064</b>	<b>30mm</b>

**Lexer Osteotome**

- 22cm/8 1/2" length
- Tufnol handle



	Width
<b>HF70065</b>	<b>7mm</b>
<b>HF70066</b>	<b>10mm</b>
<b>HF70067</b>	<b>15mm</b>
<b>HF70068</b>	<b>20mm</b>
<b>HF70069</b>	<b>25mm</b>

**Dahmen Osteotome**

- 30cm/12" length
- Tufnol handle



	5mm
	10mm
	15mm
	20mm
	25mm
	30mm

	Straight	Width
	<b>HF70070</b>	<b>5mm</b>
	<b>HF70075</b>	<b>10mm</b>
	<b>HF70080</b>	<b>15mm</b>
	<b>HF70085</b>	<b>20mm</b>
	<b>HF70090</b>	<b>25mm</b>
	<b>HF70095</b>	<b>30mm</b>

	Angled	Width
	<b>HF80000</b>	<b>5mm</b>
	<b>HF80005</b>	<b>10mm</b>
	<b>HF80010</b>	<b>15mm</b>
	<b>HF80015</b>	<b>20mm</b>
	<b>HF80020</b>	<b>25mm</b>
	<b>HF80025</b>	<b>30mm</b>

**Measuring Caliper**

- 25cm/10" length
- Measuring range 0 to 50mm

**HF7334-20**



**Castroviejo Caliper**

- 7cm/2 ¾" length
- Measuring range 3mm to 25mm

**HF7334-10**



**Vernier Caliper**

- 22.5cm/9" length
- Measuring range 15cm

**HF7338-00**



**Depth Gauge**

- Measuring depth up to 50mm

**HF7350-00**



**Depth Gauge**

- Measuring depth up to 70mm

**HF7370-00**



**Direct Reading Depth Gauge**

- 23cm length
- Measuring depth up to 40mm

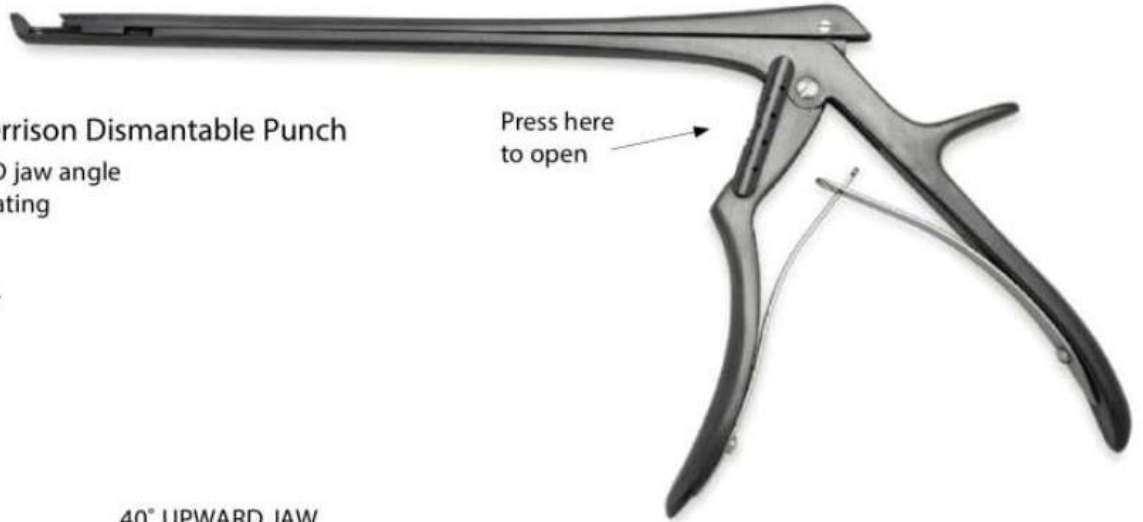
**HF7333-10**



### Titanium Kerrison Dismantable Punch

- 40° UPWARD jaw angle
- Titanium coating
- Take apart for cleaning
- Bone ejector

Press here to open



40° UPWARD JAW			
18cm/7" Shaft	20cm/8" Shaft	23cm/9" Shaft	Bite Size
<b>HF80026Ti</b>	<b>HF80032Ti</b>	<b>HF80038Ti</b>	<b>1mm</b>
<b>HF80027Ti</b>	<b>HF80033Ti</b>	<b>HF80039Ti</b>	<b>2mm</b>
<b>HF80028Ti</b>	<b>HF80034Ti</b>	<b>HF80040Ti</b>	<b>3mm</b>
<b>HF80029Ti</b>	<b>HF80035Ti</b>	<b>HF80041Ti</b>	<b>4mm</b>
<b>HF80030Ti</b>	<b>HF80036Ti</b>	<b>HF80042Ti</b>	<b>5mm</b>
<b>HF80031Ti</b>	<b>HF80037Ti</b>	<b>HF80043Ti</b>	<b>6mm</b>



40° UPWARD

### Curved Foramenotomy Punch

- 40° UPWARD jaw angle
- Curved shaft designed to improve access to the foramen



20cm/8" Shaft	Bite Size
<b>HF80044Ti</b>	<b>2mm</b>
<b>HF80045Ti</b>	<b>3mm</b>
<b>HF80046Ti</b>	<b>4mm</b>
<b>HF80047Ti</b>	<b>5mm</b>



### Scaglietti Straight Osteotome Set

MS7452-00



Complete set consisting of:

Qty	Order Code	Description
5	HF80047	scaglietti osteotomes-5size
1	HF80048	instrument case

### Scaglietti Osteotomes

• 28cm/11" length



Straight	Size
HF80049	6mm
HF80050	9mm
HF80051	12mm
HF80052	16mm
HF80053	19mm

### Lambotte Osteotome



25cm/9 ¾" length		23cm/9" length	
Straight	Width	Curved	Width
HF80054-2	2mm	HF80064-2	2mm
HF80055-3	3mm	HF80065-3	3mm
HF80056-4	4mm	HF80066-4	4mm
HF80057-5	5mm	HF80067-5	5mm
HF80058-6	6mm	HF80068-6	6mm
HF80059-7	7mm	HF80069-7	7mm
HF80060-8	8mm	HF80070-8	8mm
HF80061-9	9mm	HF80071-9	9mm
HF80062-10	10mm	HF80072-10	10mm
HF80063-11	11mm	HF80073-11	11mm



### 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

<b>HF80074T</b>	<b>1mm</b>
<b>HF80075T</b>	<b>2mm</b>
<b>HF80076T</b>	<b>3mm</b>
<b>HF80077T</b>	<b>4mm</b>
<b>HF80078T</b>	<b>5mm</b>
<b>HF80079T</b>	<b>6mm</b>



\*1mm not available with bone ejector



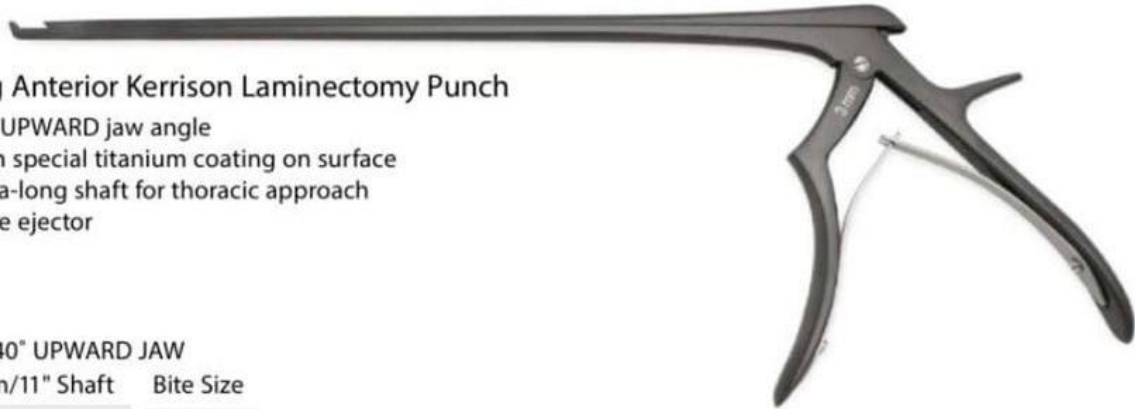
### Bayonet Kerrison Punch

- 40° UPWARD jaw angle
- Allows improved visibility
- With special titanium coating on surface
- Bone ejector

**40° UPWARD JAW**

20cm/7 ¾" Shaft working length 12cm/4 ¾"	23cm/9" Shaft working length 18cm/7"	28cm/11" Shaft working length 20cm/7 ¾"	Bite Size
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<b>HF80080-2</b>	<b>HF80086-2</b>	<b>HF80091-2</b>	<b>2mm</b>
<b>HF80082-4</b>	<b>HF80087-4</b>	<b>HF80092-4</b>	<b>3mm</b>
<b>HF80083-6</b>	<b>HF80088-6</b>	<b>HF80093-6</b>	<b>4mm</b>
<b>HF80084-8</b>	<b>HF80089-8</b>	<b>HF80094-8</b>	<b>5mm</b>
<b>HF80085-10</b>	<b>HF80090-10</b>	<b>HF80095-10</b>	<b>6mm</b>



**Mini-Stille Osteotome**

• 16cm/6 ¼" length

Straight	Width
<b>HF90027-16</b>	<b>4mm</b>
<b>HF90028-16</b>	<b>6mm</b>
<b>HF90029-16</b>	<b>8mm</b>



**Stille (Swedish) Osteotome**

• 20cm/8" length

Straight	Width
<b>HF80096-20</b>	<b>6mm</b>
<b>HF80097-20</b>	<b>8mm</b>
<b>HF80098-20</b>	<b>10mm</b>
<b>HF80099-20</b>	<b>12mm</b>
<b>HF80100-20</b>	<b>15mm</b>
<b>HF90001-20</b>	<b>20mm</b>
<b>HF90002-20</b>	<b>25mm</b>
<b>HF90003-20</b>	<b>30mm</b>



**Hibbs Osteotome with thin blade**

• 20cm/8" length  
• Extra thin blade

Straight	Width	Curved	Width
<b>HF90004-20</b>	<b>4mm</b>	<b>HF90013-20</b>	<b>4mm</b>
<b>HF90005-20</b>	<b>6mm</b>	<b>HF90014-20</b>	<b>6mm</b>
<b>HF90006-20</b>	<b>8mm</b>	<b>HF90015-20</b>	<b>8mm</b>
<b>HF90007-20</b>	<b>10mm</b>	<b>HF90016-20</b>	<b>10mm</b>
<b>HF90008-20</b>	<b>12mm</b>	<b>HF90017-20</b>	<b>12mm</b>
<b>HF90009-20</b>	<b>15mm</b>	<b>HF90018-20</b>	<b>15mm</b>
<b>HF90010-20</b>	<b>20mm</b>	<b>HF90019-20</b>	<b>20mm</b>
<b>HF90011-20</b>	<b>25mm</b>	<b>HF90020-21</b>	<b>25mm</b>
<b>HF90012-20</b>	<b>30mm</b>	<b>HF90021-20</b>	<b>30mm</b>



**Smith Petersen Osteotome**

• 20cm/8" length

Straight	Width
<b>HF90022-20</b>	<b>10mm</b>
<b>HF90023-20</b>	<b>15mm</b>
<b>HF90024-20</b>	<b>20mm</b>
<b>HF90025-20</b>	<b>25mm</b>
<b>HF90026-20</b>	<b>30mm</b>



**Comfort Cobb Elevator**

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



10mm	15mm	20mm	25mm	30mm
HF90027	HF90028	HF90029	HF90030	HF90031

**Karl Cobb Elevator**

- 32.5cm/12 ¾" overall length
- 20cm/8" handle length



10mm	15mm	20mm	25mm	30mm
HF90032	HF90033	HF90034	HF90035	HF90036

**Long Anterior Comfort Cobb Elevator**

- 47cm/18 ¼" overall length



10mm	15mm	20mm	25mm	30mm
HF90037	HF90038	HF90039	HF90040	HF90041

**Cobb Spinal Elevator**

- 31cm/12 ¼" overall length
- 18cm/7" handle length



10mm <b>HF90042</b>	13mm <b>HF90043</b>	19mm <b>HF90044</b>
		

**Harrington Cobb Spinal Elevator**

- 30.5cm/12" overall length








10mm <b>HF90045</b>	13mm <b>HF90046</b>	19mm <b>HF90047</b>
		

**Cobb Spinal Elevator Extra Long Handle**

- 34cm/13 ½" overall length
- 22cm/8 ¾" handle length



10mm <b>HF90048</b>	15mm <b>HF90049</b>	20mm <b>HF90050</b>	25mm <b>HF90051</b>	30mm <b>HF90052</b>
				

**London Splint Mallet**

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

**HF90053-24**



**Ombredanne Mallet**

- 24cm/9 ½" length
- Head size 40mm Ø
- Weight 550g/20oz

**HF90054-24**



**Mallet with Tufnol Handle**

- 24cm/9 ½" length
- Lead filled head
- Weight 400g/14oz

**HF90055-24**



**Tufnol Mallet**

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

**HF90056-25**



**Ferris-Smith Kerrison Laminectomy Punch**

- 40° UPWARD jaw angle
- Modified ring handle



**40° UPWARD JAW**

18cm/7" Shaft	20cm/8" Shaft	Bite Size
<b>HF90057-21</b>	<b>HF90063-21</b>	<b>2mm</b>
<b>HF90058-21</b>	<b>HF90064-21</b>	<b>3mm</b>
<b>HF90059-21</b>	<b>HF90065-21</b>	<b>4mm</b>
<b>HF90060-21</b>	<b>HF90066-21</b>	<b>5mm</b>
<b>HF90061-21</b>	<b>HF90067-21</b>	<b>6mm</b>
<b>HF90062-21</b>	<b>HF90068-21</b>	<b>8mm</b>



40° UPWARD



**'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	
HF90069ET	HF90075ET	HF90081ET	1mm	
HF90070ET	HF90076ET	HF90082ET	2mm	
HF90071ET	HF90077ET	HF90083ET	3mm	
HF90072ET	HF90078ET	HF90084ET	4mm	
HF90073ET	HF90079ET	HF90085ET	5mm	
HF90074ET	HF90080ET	HF90086ET	6mm	

\*1mm size not available with Bone Ejector



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	
HF90087E	HF90093E	HF40001E	1mm	
HF90088E	HF90094E	HE40002E	2mm	
HF90089E	HF90095E	HF40003E	3mm	
HF90090E	HF90096E	HF40004E	4mm	
HF90091E	HE90097E	HF40005E	5mm	
HF90092E	HF90098E	HF40006E	6mm	

\*1mm size not available with Bone Ejector



40° UPWARD

**Toffee Mallet**

- 19cm/7 ½" length
- Head size 22mm Ø
- Weight 165g/6oz

**HF40007**



**Ultra Fine Mallet**

- 17cm/6 ¾" length
- Head size 20mm Ø
- Weight 145g/5oz

**HF40008-22**



**Heath Mallet**

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

**HF40009-23**



**Mallet with Tufnol Handle**

- 23cm/9" length
- Small head size 30mm Ø
- Weight 350g/12oz

**HF40010-19**

- Medium head size 35mm Ø
- Weight 550g/20oz

**HF40011-19**

- Large head size 40mm Ø
- Weight 700g/25oz

**HF40012-20**





**Cervical Bone Graft Impactor 90° Offset**

• 22cm/8 ½" length



6mm x 12mm Tip  
**HF20013-10**



3.5mm x 6mm Tip  
**HF20014-19**  
18cm length



**Lumbar Bone Graft Impactor**

• 22cm/8 ½" length



7mm x 12mm  
**HF20015-20**



10mm x 13mm  
**HF20016-20**



**Anterior Bone Graft Impactor**

• 34cm/13 ½" length



9 x 16mm Tip  
**HF20017-18**

9 x 23mm Tip  
**HF20018-18**



**Caspar Bone Graft Holder and Impactor**

• 21.8cm/8 ¼" length



6 x 12mm Tip  
**HF20019-19**

Dowel holder for taking larger block grafts and for vertebral body replacement

Swedish Dissector  
• 18cm/7" overall length



**HF20020-18**

Howarth Elevator  
• 21.5cm/8 ½" overall length



**HF20021-18**

MacDonald Elevator/Dissector



Size

<b>HF20022-4</b>	<b>18cm/7"</b>
<b>HF20023-4</b>	<b>23cm/9"</b>

Watson Cheyne Dissector



Size

<b>HF20024-3</b>	<b>18cm/7"</b>
<b>HF20025-3</b>	<b>23cm/9"</b>
<b>HF20026-3</b>	<b>24cm/10"</b>

Freers Elevator/Dissector  
• 18.5cm/7 ¼" overall length



**HF20027-5**

**Trethowan Bone Elevator**

- 22.5cm/8 ½" length

**HF20028-22**



**Bristow Periosteal Elevator**

- 23cm/9" length
- Curved sharp
- 10mm width

**HF20029-22**



• **Zielke S-Shaped Gouge**

- 23cm/9" length



\*illustrated

Curved*	Width
<b>HF20030-4</b>	<b>6mm</b>
<b>HF20031-4</b>	<b>9mm</b>



S-Shaped	Width
<b>HF20032-3</b>	<b>6mm</b>
<b>HF20033-3</b>	<b>9mm</b>

**Capener Lamina Gouge**

- 23cm/9" length
- Cranked shaft



	Width
<b>HF20034-7</b>	<b>6mm</b>
<b>HF20035-7</b>	<b>8mm</b>
<b>HF20036-7</b>	<b>11mm</b>
<b>HF20037-7</b>	<b>16mm</b>

**Kerrison Laminectomy Punch**

• 90° jaw angle



**90° UPWARD JAW**

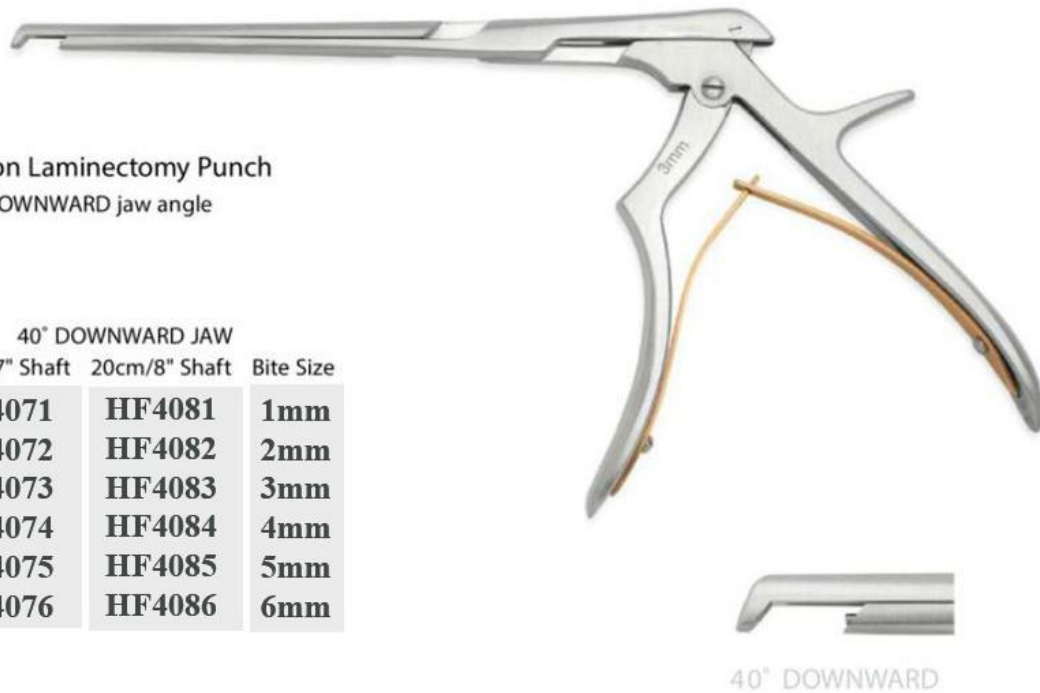
18cm/7" Shaft	20cm/8" Shaft	Bite Size
<b>HF9071</b>	<b>HF9081</b>	<b>1mm</b>
<b>HF9072</b>	<b>HF9082</b>	<b>2mm</b>
<b>HF9073</b>	<b>HF9083</b>	<b>3mm</b>
<b>HF9074</b>	<b>HF9084</b>	<b>4mm</b>
<b>HF9075</b>	<b>HF9085</b>	<b>5mm</b>
<b>HF9076</b>	<b>HF9086</b>	<b>6mm</b>

**90° DOWNWARD JAW**

18cm/7" Shaft	20cm/8" Shaft	Bite Size
<b>HF9077</b>	<b>HF9089</b>	<b>1mm</b>
<b>HF9078</b>	<b>HF9090</b>	<b>2mm</b>
<b>HF9079</b>	<b>HF9091</b>	<b>3mm</b>
<b>HF9080</b>	<b>HF9092</b>	<b>4mm</b>
<b>HF9087</b>	<b>HF9093</b>	<b>5mm</b>
<b>HF9088</b>	<b>HF9094</b>	<b>6mm</b>

**Kerrison Laminectomy Punch**

• 40° DOWNWARD jaw angle



**40° DOWNWARD JAW**

18cm/7" Shaft	20cm/8" Shaft	Bite Size
<b>HF4071</b>	<b>HF4081</b>	<b>1mm</b>
<b>HF4072</b>	<b>HF4082</b>	<b>2mm</b>
<b>HF4073</b>	<b>HF4083</b>	<b>3mm</b>
<b>HF4074</b>	<b>HF4084</b>	<b>4mm</b>
<b>HF4075</b>	<b>HF4085</b>	<b>5mm</b>
<b>HF4076</b>	<b>HF4086</b>	<b>6mm</b>

**Frazier Suction Tube**

• 17cm/6 ¾" length



	FG	Diameter
HF9041-1	6FG	2.0mm Ø
HF9042-1	7FG	2.3mm Ø
HF9043-1	8FG	2.7mm Ø
HF9044-1	9FG	3.0mm Ø
HF9045-1	10FG	3.3mm Ø
HF9046-1	11FG	3.7mm Ø

**Frazier Suction Tube**

• 23cm/9" length



	FG	Diameter
HF9041-2	6FG	2.0mm
HF9042-2	7FG	2.3mm
HF9043-2	8FG	2.7mm
HF9044-2	9FG	3.0mm
HF9045-2	10FG	3.3mm
HF9046-2	11FG	3.7mm

**Bayonet Dissecting Forceps**

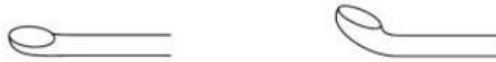


	19cm/7 ½"	Tip Size
HF9701-19		1mm
HF9702-19		2mm

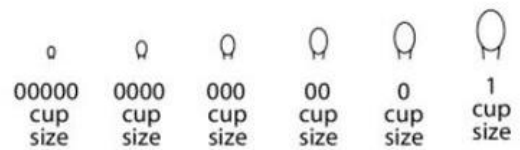
	21cm/8 ½"	Tip Size
HF9701-21		1mm
HF9702-21		2mm

**Lempert Curette**

• 21cm/8 1/4" overall length



Straight		Angled	
	Cup Size		Cup Size
HF20075	00000	HF20090	00000
HF20076	0000	HF20091	0000
HF20077	000	HF20092	000
HF20078	00	HF20093	00
HF20079	0	HF20094	0
HF20080	1	HF20096	1

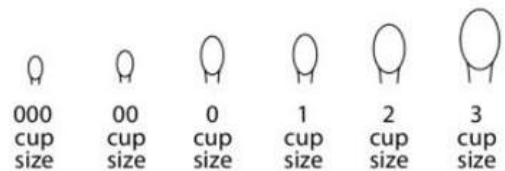


**Bruns Curette**

• 23cm/9" overall length



Straight		Angled	
	Cup Size		Cup Size
HF20097-2	000	HF30004	000
HF20098-2	00	HF30005	00
HF20099-2	0	HF30006	0
HF30001-2	1	HF30007	1
HF30002-2	2	HF30008	2
HF30003-2	3	HF30009	3

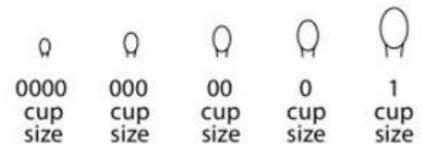


**Tufnol Handle Micro Curette**

• 26cm/10" overall length



Straight		Angled	
	Cup Size		Cup Size
HF30010	0000	HF30015	0000
HF30011	000	HF30016	000
HF30012	00	HF30017	00
HF30013	0	HF30018	0
HF30014	1	HF30019	1



**Light-Grip Cervical Curettes**

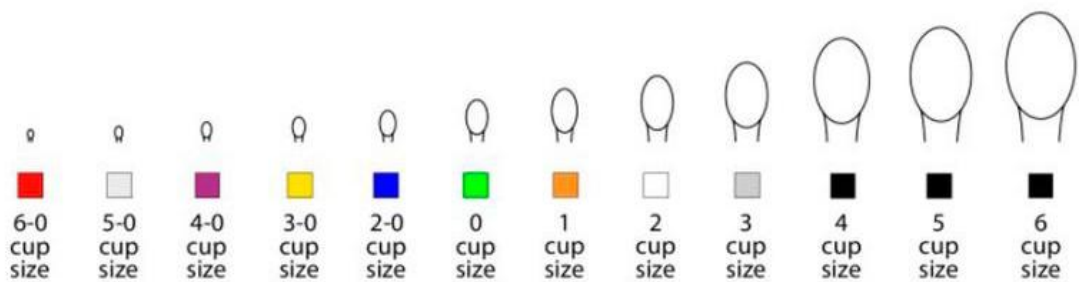
- 26cm/10 ¼" overall length
- 13cm/5 ¼" handle length
- Colour coded handles



Light-Grip Cervical Curette Rack  
Holds 12 Cervical Curettes

MS7404 - 90

Cup Size	Straight	Forward Angled	Down Angled
6-0	HF30056	HF30068	HF30089
5-0	HF30057	HF30069	HF30090
4-0	HF30058	HF30070	HF30091
3-0	HF30059	HF30080	HF30092
2-0	HF30060	HF30081	HF30093
0	HF30061	HF30082	HF30094
1	HF30062	HF30083	HF30095
2	HF30063	HF30084	HF30096
3	HF30064	HF30085	HF30097
4	HF30065	HF30086	HF30098
5	HF30066	HF30087	HF30099
6	HF30067	HF30088	HF30999



Zielke Curette

• 21cm/8 1/4" overall length



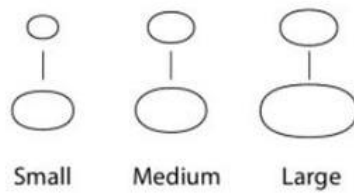
Straight	Size	Angled	Size
HF40030-4	8mm	HF40032-3	8mm
HF40031-4	11mm	HF40033-3	11mm

Volkman Double Ended Curette

• 22cm/8 3/4" overall length



	Size
HF40034-22	small
HF40035-22	medium
HF40036-23	large





### Cones Ring Curette

• 23cm/9" overall length



Straight	Ring Size	Angled	Ring Size		
<b>HF40037</b>	<b>3mm</b>	<b>HF40040</b>	<b>3mm</b>		3mm ring size
<b>HF40038</b>	<b>6mm</b>	<b>HF40041</b>	<b>6mm</b>		6mm ring size
<b>HF40039</b>	<b>8mm</b>	<b>HF40042</b>	<b>8mm</b>		8mm ring size

### Karl Ring Curette

• 32.5cm/12 3/4" overall length



Straight	Ring Size	Angled	Ring Size		
<b>HF40043</b>	<b>6mm</b>	<b>HF40046</b>	<b>6mm</b>		6mm ring size
<b>HF40044</b>	<b>8mm</b>	<b>HF40047</b>	<b>8mm</b>		8mm ring size
<b>HF40045</b>	<b>10mm</b>	<b>HF40048</b>	<b>10mm</b>		10mm ring size

### Light-Grip Lumbar Currettes

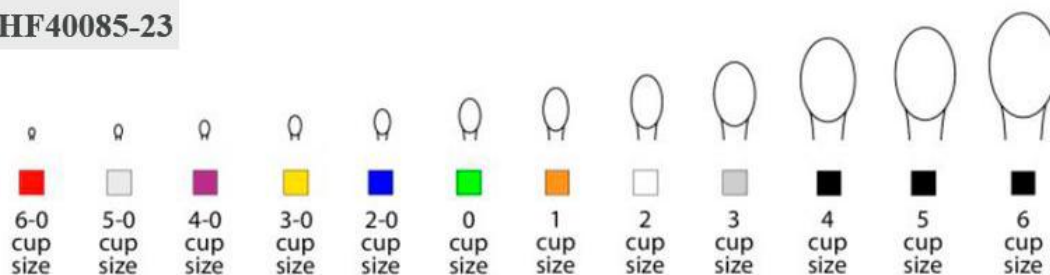
- 34cm/13 1/2" overall length
- 20cm/8" handle length
- Colour coded handles



Cup Size	Straight	Forward Angled	Down Angled
6-0	HF40049	HF40061	HF40073
5-0	HF40050	HF40062	HF40074
4-0	HF40051	HF40063	HF40075
3-0	HF40052	HF40064	HF40076
2-0	HF40053	HF40065	HF40077
0	HF40054	HF40066	HF40078
1	HF40055	HF40067	HF40079
2	HF40056	HF40068	HF40080
3	HF40057	HF40069	HF40081
4	HF40058	HF40070	HF40082
5	HF40059	HF40071	HF40083
6	HF40060	HF40072	HF40084

Light-Grip Lumbar Curette Rack  
Holds 12 Lumbar Currettes

### HF40085-23



Drill Guide

**HF40086-1** Right



**HF40087-2** Left



Screw Driver

**HF40088-6**



Distraction Drill

- For pre-drilling pilot holes for distraction screws in combination with the drill guide
- Drill 2mmØ

**HF40089-2**



Caspar Distraction Screws

- 7cm/2¾" post length
- Sterile packed

Thread length



	Thread length
<b>HF40090-5</b>	12mm
<b>HF40091-4</b>	14mm
<b>HF40092-9</b>	16mm



Supplied sterile in boxes of 10

**Cervical Vertebral Spreader**

- 13cm/5 ¼" length
- 3mm tip

	Depth
<b>HF40093</b>	<b>70mm</b>
<b>HF40094</b>	<b>95mm</b>



**Cloward Cervical Spreader**

- 17cm/6 ¾" length
- Max opening 20mm

**HF40095**



**Cloward Lamina Spreader**

- 15cm/6" length

**HF40096**



### Baby Inge Lamina Spreader

- 18cm/7" length

7mm  
Toothed



**HF40097**

7mm  
Smooth



**HF40098**

7mm  
Cross Serrated



**HF40099**

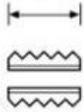


### Inge Lamina Spreader

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

**HF50031-2**

10mm



20mm



### Scaglietti Lamina Spreader

- 28cm/11" length
- With speed lock

**HF50032**



### Long Anterior Lamina Spreader

- 28cm/11" length
- Max opening 40mm

**HF50033**



**Pedicle Probe**

- 22.5cm/8 ¾" length
- Graduated with ball tip

**HF0034-C2**



**Pedicle Probe**

- 27.5cm/11 ½" length
- Graduated with ball tip

**HF50035-C2**



**Adson Dural Hook**

- 19cm/7 ½" length
- 3mm tip length

Sharp  
**HF50036-C2**

Blunt  
**HF50037-C2**



**Weary Blunt Nerve Hook**

- 19.5cm/7 ¾" length
- 6mm fine tip length

**HF50038-C2**



**Crile Blunt Hook**

- 20cm/8" length
- 7mm tip length

**HF50039-C2**



**Emmet Sharp Hook**

- 22cm/8 ¾" length
- 5mm tip length

**HF50040-C2**



**Cushing Blunt Hook**

- 28cm/11" length
- 5mm tip length

**HF50041-C2**



**Love Bayonet Nerve Root Retractor**

- 21cm/8 ¼" length

	Width
<b>HF50042</b>	4mm



**Krayenbuhl Nerve Root Retractor**

- Double bayonet

	Width
21cm/8 ¼" <b>HF50043</b>	3mm
24cm/9 ½" <b>HF50044</b>	4mm



**Caspar Bayonet Nerve Root Retractor**

- 24cm/9 ½" length

	Width
<b>HF50045</b>	4mm
<b>HF50046</b>	6mm



**O'Connell Nerve Root Retractor**

- 21.5cm/8 ½" length

**HF50047**



**Love Nerve Root Retractor**

- 22cm/8 ¾" length
- 5mm tip width

	Straight
<b>HF50048</b>	25° Angled*
<b>HF50049</b>	90° Angled



**McCulloch Nerve R**

- 12.5cm/5" working le
- 90° angled
- 6mm tip

**HF50050**



**Titanium Micro Curettes**

• 19cm/7 ½" length

No.13



Small Cup

**HF50051-4**

No.14



Large Cup

**HF50052-4**



**Titanium Micro Ball Dissectors**

• 19cm/7 ½" length

No.15



Straight

**HF50053-4**

No.16



90° 3mm Tip

**HF50054-4**

No.17



90° 5mm Tip

**HF50055-4**

No.18



40° 4mm Tip

**HF50056-4**

No.19



40° 8mm Tip

**HF50057-4**



**Complete Set**

• Including Rack and 19 Micro Dissectors

**HF50058-4**



**Dissector Sterilising Rack**

• To hold 19 Micro Dissectors

**HF50059-4**



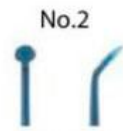


### Titanium Micro Round Dissectors

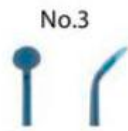
• 19cm/7 ½" length



1mm Small  
**HF50060-19**



2mm Medium  
**HF50061-19**



3mm Large  
**HF50062-19**

### Titanium Micro Elevators

• 19cm/7 ½" length



Curved  
**HF50063-19**



Angled  
**HF50064-19**

### Titanium Micro Spatula Dissectors

• 19cm/7 ½" length



1mm Small  
**HF50065-19**



1.7mm Medium  
**HF50066-19**



2mm Large  
**HF50067-19**

### Titanium Micro Hooks

• 19cm/7 ½" length



90° Semi-sharp  
**HF50068-19**



90° Blunt  
**HF50069-19**



45° Semi-sharp  
**HF50070-19**



Straight point Needle  
**HF50071-19**

# HOOKS & PROBES

## Adson Hook

- 20cm/8" length
- 5mm tip length



## Ball Tipped Probe

- 23cm/9" length
- 2mm Ø ball



## Ball Tipped Probe - Fine Pattern

- 23cm/9" length
- 1mm Ø ball



## Manipulation Hook

- 23.5cm/9 ¼" length
- 4mm tip length

**HF50080-2**



## Blalock Blunt Hook

- 24cm/9 ½" length
- 5mm tip length

**HF50081-2**



## Caspar Exploration Hook Insulated

- 24.5cm/9 ¾" length
- Insulated shaft



**Irwin S/R Retractor**

- 17.5cm/6 ¾" length
- 4 x 4 Sharp prongs
- Prong depth 20mm

**HF50086-17**



**Travers S/R Retractor**

- 20cm/8" length
- 4 x 5 Blunt prongs
- Prong depth 26mm

**HF50087-17**



**Norfolk and Norwich S/R Retractor**

- 20cm/8" length
- 4 x 5 Blunt prongs
- Prong depth 50mm x 23mm width

**HF50088-17**



**Norfolk and Norwich Deeper Prongs S/R Retractor**

- 20cm/8" length
- 4 x 5 Blunt prongs
- Prong depth 70mm x 23mm width

**HF50089-17**



**Wests S/R Retractor**

- 14cm/5 ½" length
- 3 x 4 Sharp prongs
- Prong depth 18mm

**HF50090-14**



**Weitlaner S/R Retractor**

- 14cm/5 ½" length
- 3 x 4 Blunt prongs
- Prong depth 18mm

**HF50091-14**

**Mollison S/R Retractor - Child**

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

**HF50092-14**



**Mollison S/R Retractor - Adult**

- 17cm/6 ¾" length
- 4 x 4 Sharp prongs 15mm depth

**HF50093-14**



**Jefferson S/R Retractor**

- 13cm/5 ¼" length
- 3 x 4 Blunt prongs 16mm depth

**HF50094-14**



**Meyering Retractor**

• 22.5cm/9" length



Blade size

<b>HF50095-1</b>	<b>50mm x 16mm</b>
<b>HF50096-1</b>	<b>75mm x 25mm</b>
<b>HF50097-1</b>	<b>90mm x 50mm</b>

**Langenbeck Retractor**

• 21.5cm/8 ½" length



Blade size

<b>HF50098-1</b>	<b>22mm x 6mm</b>	Small
<b>HF50099-1</b>	<b>45mm x 13mm</b>	Medium
<b>HF60000-1</b>	<b>65mm x 25mm</b>	Large
<b>HF60001-1</b>	<b>90mm x 20mm</b>	X-Large

**Taylor Hip Retractor**

• 19cm/7 ½" length



Depth

<b>HF60002</b>	<b>70mm</b>
<b>HF60003</b>	<b>85mm</b>
<b>HF60004</b>	<b>100mm</b>

**Volkman Catspaw Retractor**

• 21.5cm/8 ½" length

• Semi sharp teeth



15 x 15mm  
3 Prong

**HF60005**



15 x 20mm  
4 Prong

**HF60006**



15 x 30mm  
6 Prong

**HF60009**

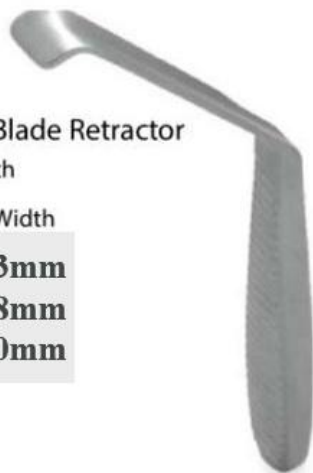


**Cloward Style Blade Retractor**

• 11cm/4 ¼" length

Width

<b>HF60006</b>	<b>13mm</b>
<b>HF60007</b>	<b>18mm</b>
<b>HF60008</b>	<b>20mm</b>



### Shepherd Suction Nerve Root Retractor

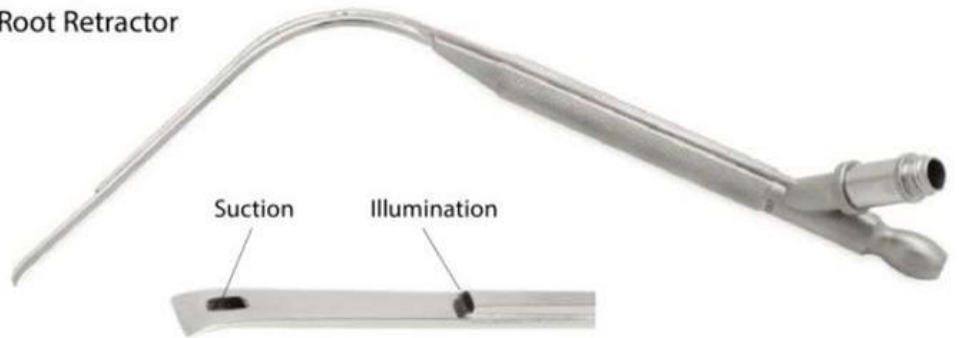
- With suction aspiration
- Fibre optic illumination
- 4mm tip width

26cm/10 1/2" length

**HF50001**

31cm/12 1/4" length

**HF50002**



### Nerve Root Retractor

- 31cm/12" length
- With suction
- 7mm tip width

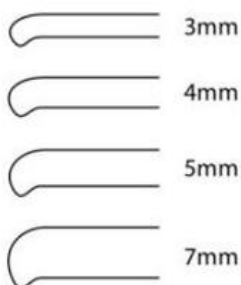
**HF50003**



### Hess Nerve Root Retractor

- 19cm/7 1/2" length

	Width
<b>HF50004</b>	<b>3mm</b>
<b>HF50005</b>	<b>4mm</b>
<b>HF50006</b>	<b>5mm</b>
<b>HF50007</b>	<b>7mm</b>



### Nerve Root Retractor

- 19cm/7 1/2" length
- With fibre optic illumination



	Width
<b>HF50008</b>	<b>3mm</b>
<b>HF50009</b>	<b>5mm</b>

### Cones Self Retaining Retractor

- 3x4 Prongs
- Jointed arms



Blunt Prongs	Length	Depth	Sharp Prongs	Length	Depth
<b>HF50010</b>	13cm/5"	<b>15mm</b>	<b>HF50014</b>	13cm/5"	<b>15mm</b>
<b>HF50011</b>	16cm/6 ½"	<b>15mm</b>	<b>HF50015</b>	16cm/6 ½"	<b>15mm</b>
<b>HF50012</b>	20cm/8"	<b>20mm</b>	<b>HF50016</b>	20cm/8"	<b>20mm</b>
<b>HF50013</b>	24cm/9 ½"	<b>25mm</b>	<b>HF50017</b>	24cm/9 ½"	<b>25mm</b>

### Harvey Jackson Self Retaining Retractor

- 30.5cm/12" length
- Prong depth 45mm
- 3x3 Sharp prongs

**HF50018**



### Beckman - Adson Retractor

- 33cm/13" length
- 4 x 5 Blunt prongs
- Prong depth 32mm
- Jointed arms

**HF50019**



**Cobb Spinal Elevator**

- 26cm/10 ¼" length



	Width
<b>HF5250-07</b>	<b>12mm</b>
<b>HF5250-08</b>	<b>19mm</b>

**Spinal Osteotome**

- 22cm/8 ½" length



	Width
<b>HF5250-03</b>	<b>4mm</b>
<b>HF5250-04</b>	<b>6mm</b>

**'Hockey Stick' Chisel**

- 22cm/8 ¾" length
- 5mm width



<b>HF5250-05</b>	Curved right
<b>HF5250-06</b>	Curved left

**Elevator Double Ended**

- 24cm/9 ¾" length



**HF5250-01**

**McCulloch Suction Tube**

- 23cm/9" length
- Fenestrated tip



	FG	Diameter
<b>HF5250-09</b>	<b>6FG</b>	<b>2.0mm</b>
<b>HF5250-10</b>	<b>7FG</b>	<b>2.3mm</b>
<b>HF5250-11</b>	<b>9FG</b>	<b>3.0mm</b>
<b>HF5250-12</b>	<b>12 FG</b>	<b>4.0mm</b>

**McCulloch Nerve Root Retractor**

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



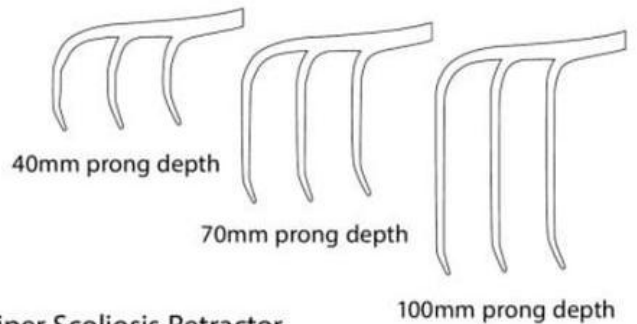
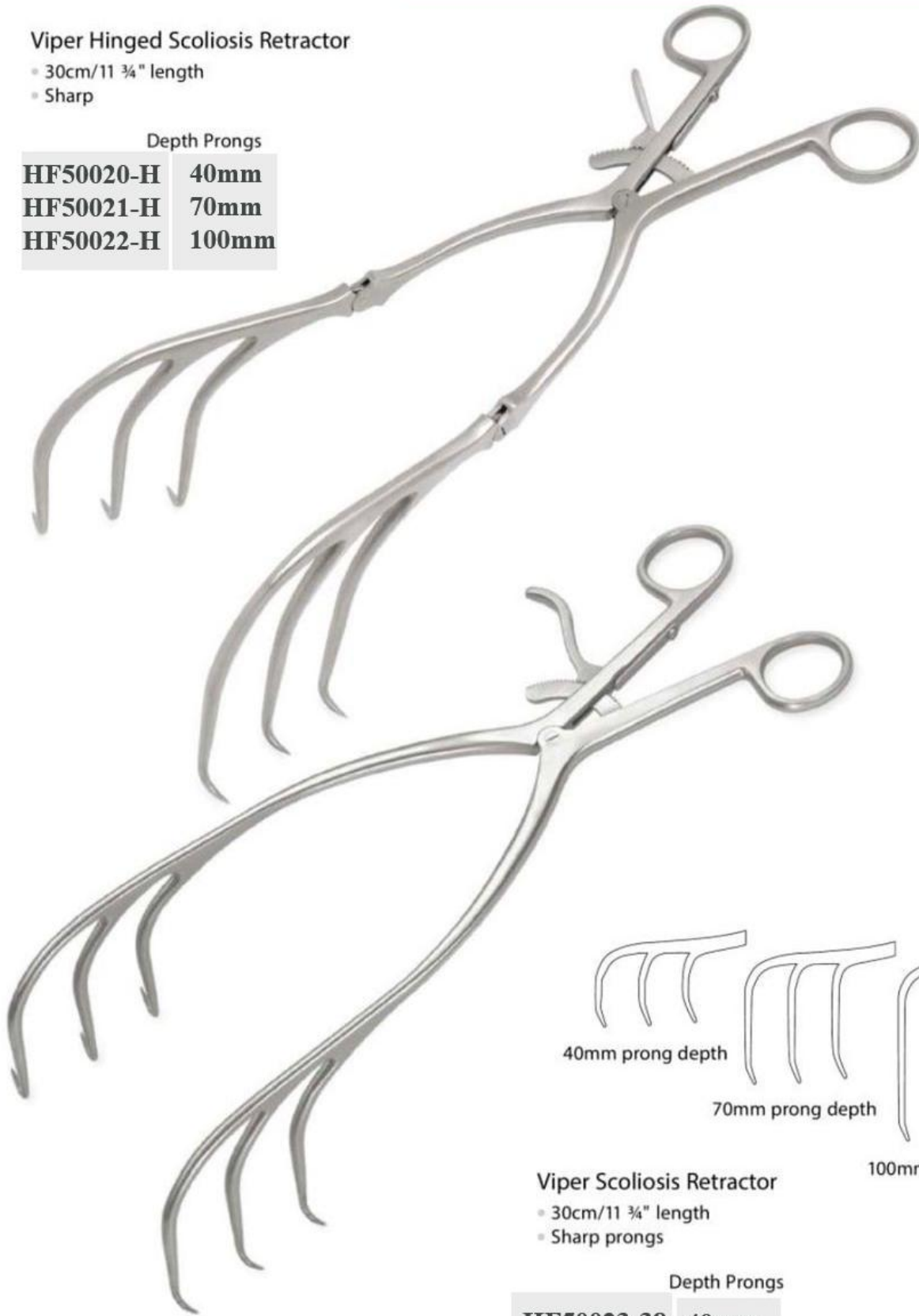
**HF5250-02**



**Viper Hinged Scoliosis Retractor**

- 30cm/11 ¾" length
- Sharp

	Depth Prongs
<b>HF50020-H</b>	<b>40mm</b>
<b>HF50021-H</b>	<b>70mm</b>
<b>HF50022-H</b>	<b>100mm</b>



**Viper Scoliosis Retractor**

- 30cm/11 ¾" length
- Sharp prongs

	Depth Prongs
<b>HF50023-38</b>	<b>40mm</b>
<b>HF50024-38</b>	<b>70mm</b>
<b>HF50025-38</b>	<b>100mm</b>



- 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 McCulloch Retractor Set

#### HF5200-0

Complete set consisting of:

Qty	Order Code	Description
2 each	HF5202-0	Retractor Frame
6 pears	HF5204-4	Wide Muscle Blades Sizes 4cm to 7cm depth
6 pears	HF5206-4	Narrow Muscle Blades Sizes 4cm to 7cm depth
6 each	HF5208-4	Hook Blades Sizes 3cm to 6cm depth
6 each	HF5210-4	Toothed Blades Sizes 3cm to 6cm depth
1 each	HF5211-4	Instrument Container

### Extended McCulloch Retractor Set

#### HF5200-0

Complete set consisting of:

Qty	Order Code	Description
2 each	HF5202-0	Retractor Frames
6 pears	HF5204-6	Wide Muscle Blades Sizes 3cm to 8cm depth
6 pears	HF5206-6	Narrow Muscle Blades Sizes 3cm to 8cm depth
6 each	HF5208-6	Hook Blades Sizes 2cm to 7cm depth
6 each	HF5210-6	Toothed Blades Sizes 2cm to 7cm depth
1 each	HF5020-6	Instrument Container



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.

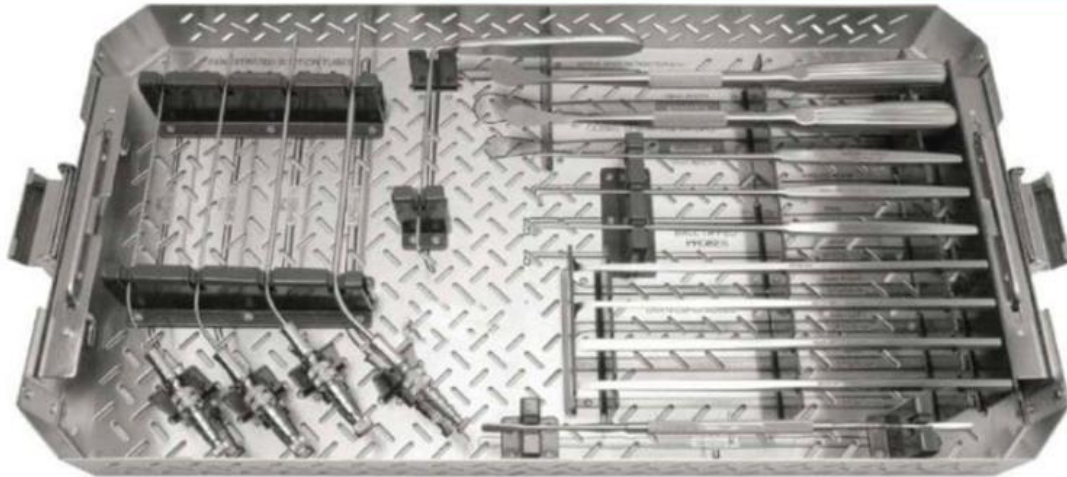
**Coloured Titanium**

**Extended 'Black Belt' Cervical Retractor System**

7320-0

Complete set consisting of:

Qty	Order Code	Description
1	7320-1020	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	7326-40/555	Two Level Pronged Blades 40mm-55mm
6	7328-40/55	Two Level Blunt Blades 40mm-55mm
1	7320-50	Container
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



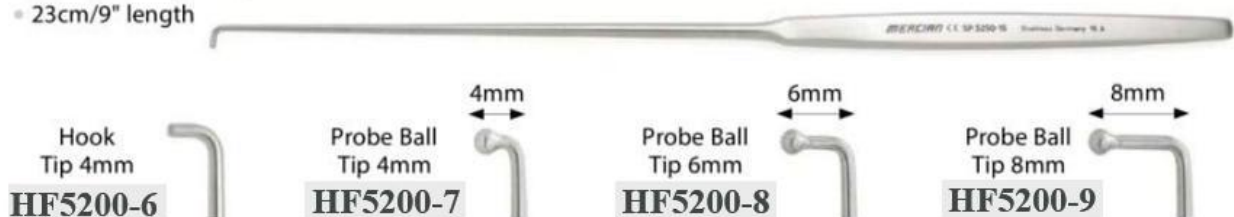
**McCulloch Style Instrument Set with Container HF5200-5**

Complete set consisting of:

Qty	Order Code	Description
1	<b>HF52501</b>	McCulloch Spinal Hook, 4mm tip - 23cm/9" length
1	<b>HF52502</b>	McCulloch Spinal Probe, 4mm tip - 23cm/9" length
1	<b>HF52503</b>	McCulloch Spinal Probe, 6mm tip - 23cm/9" length
1	<b>HF52504</b>	Cobb Spinal Elevator, 12mm width - 26cm/10 ¼" length
1	<b>HF52505</b>	Cobb Spinal Elevator, 19mm width - 26cm/10 ¼" length
1	<b>HF52506</b>	Spinal Osteotome, 4mm width - 22cm/8½" length
1	<b>HF52507</b>	Spinal Osteotome, 6mm width - 22cm/8½" length
1	<b>HF52508</b>	'Hockey Stick' Chisel, 5mm width - 22cm/8 ½" length, curved right
1	<b>HF52509</b>	'Hockey Stick' Chisel, 5mm width - 22cm/8 ½" length, curved left
1	<b>HF525010</b>	Elevator Double Ended, 24cm/9 ¾" length
1	<b>HF525011</b>	McCulloch Suction Tube, Fenestrated tip, 23cm/9" length, 6FG, 2.0mm Ø
1	<b>HF525012</b>	McCulloch Suction Tube, Fenestrated tip, 23cm/9" length, 7FG, 2.3mm Ø
1	<b>HF525013</b>	McCulloch Suction Tube, Fenestrated tip, 23cm/9" length, 9FG, 3.0mm Ø
1	<b>HF525014</b>	McCulloch Suction Tube, Fenestrated tip, 23cm/9" length, 12FG, 4.0mm Ø
1	<b>HF525015</b>	McCulloch Nerve Root Retractor, 9 0° angled, 6mm tip, 12.5cm/5" working length

**McCulloch Style Spinal Hook/Probe**

• 23cm/9" length



LEVEL 3



LEVEL 2



LEVEL 1





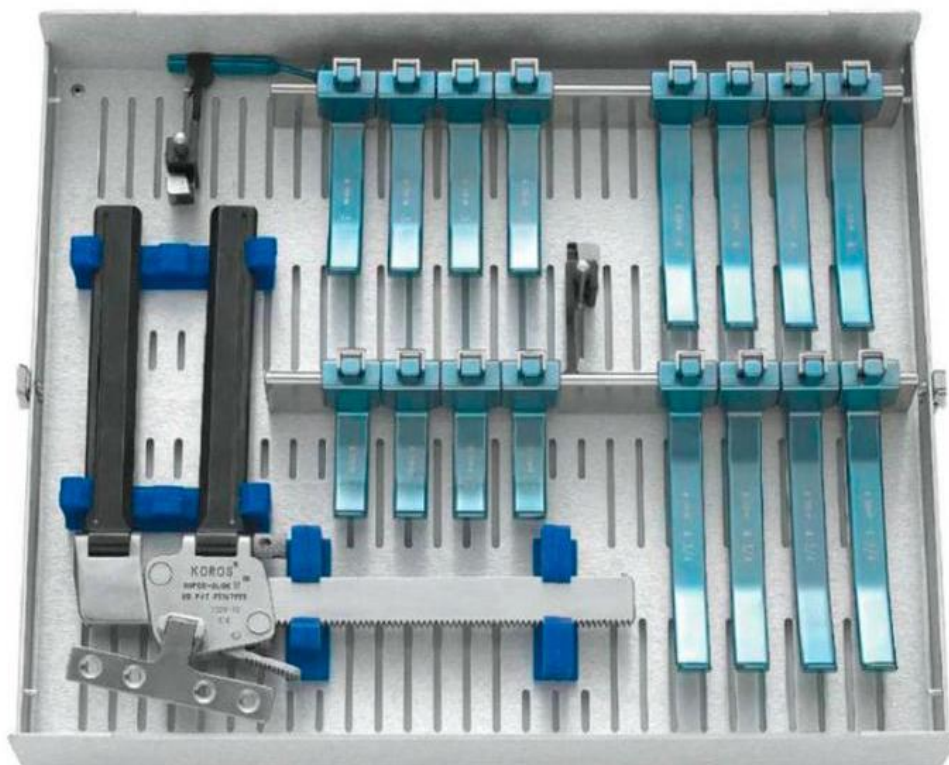
- **Black Belt Micro Discectomy Retractor Set**  
A specialist retractor for Lumbar Micro Discectomy Surgery featuring:
  - Jointed retractor arms
  - Adjustable blade depth
  - Range of pronged blades
  - Powerful ratchet action with quick release mechanism

**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





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" depth
4	7329-30	Medium Blades 3" depth
4	7329-40	Large Blades 4" depth
1	7329-50	Instrument Container

### 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" depth
4	7329-84	Medium Titanium Blades 3" depth
4	7329-86	Large Titanium Blades 4" depth
1	7329-90	Instrument Container

### Super-Slide Retractor Extended Set

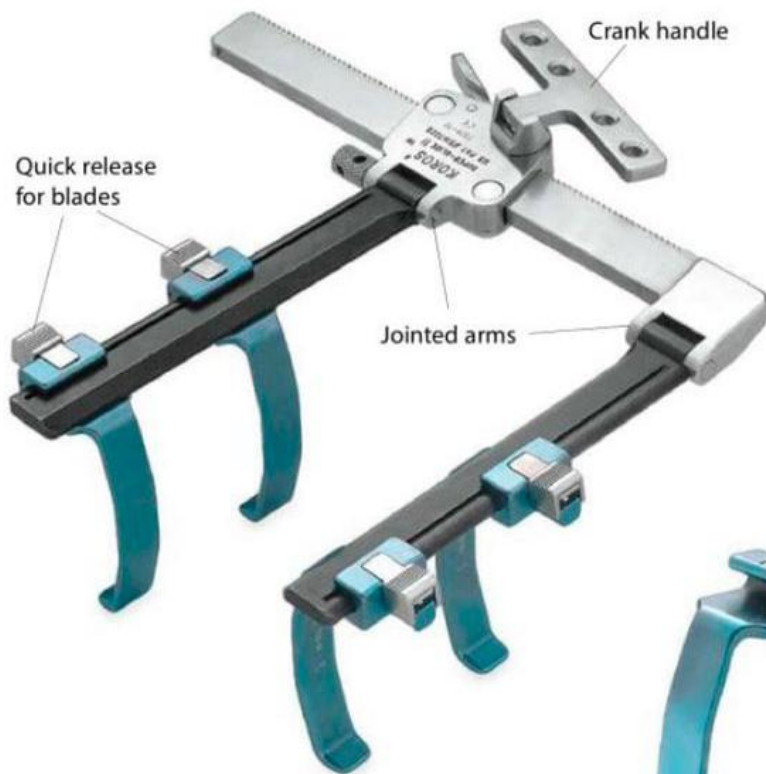
7329-05 Includes components of basic set plus:

Qty	Order Code	Description
4	7329-47	Supplementary Blades 4¾" depth
2	7329-60	Unilateral Blade heads
2	7329-62	Unilateral T-Blades

### Titanium Super-Slide Retractor Extended Set

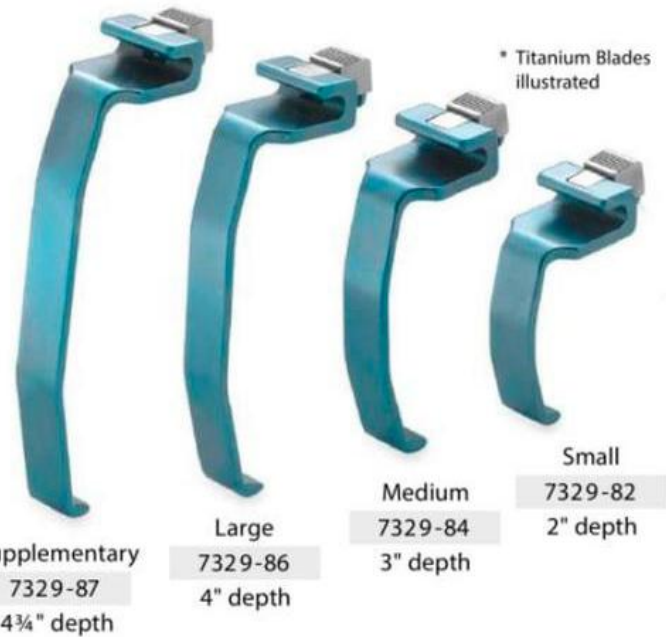
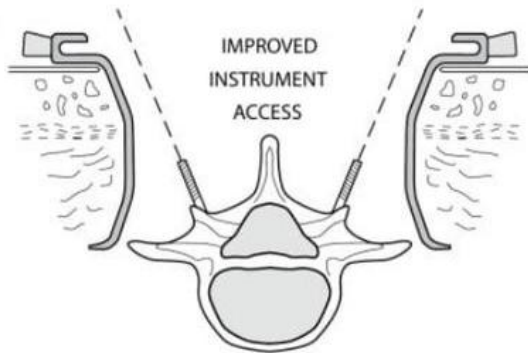
7329-09 Includes components of titanium basic set plus:

Qty	Order Code	Description
4	7329-87	Supplementary Titanium Blades 4¾" depth
2	7329-60	Unilateral Blade Heads
2	7329-62	Unilateral Titanium T-Blades



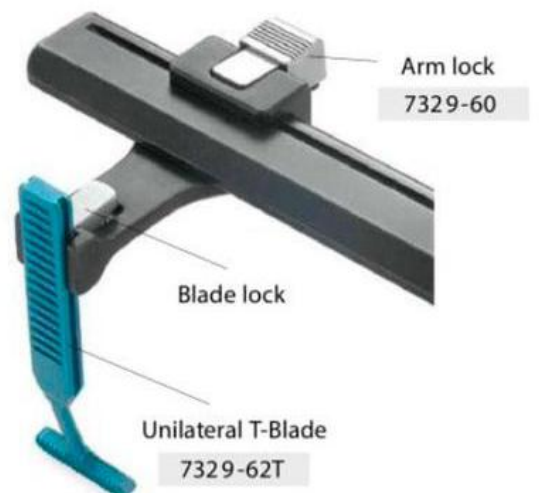
### Super-Slide Retractor Blades

- Will not slip out of wound during surgery
- Narrow blade design minimises 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







- 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

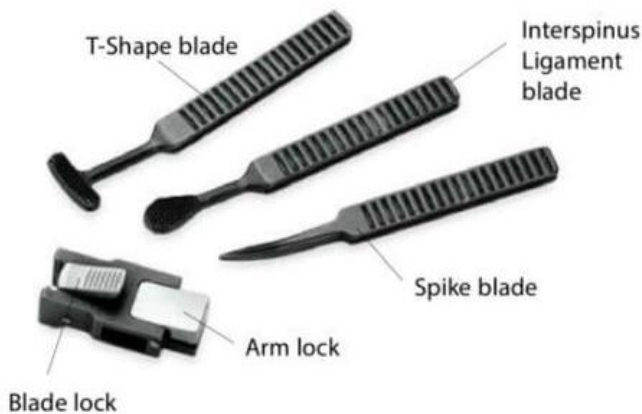


22mm wide blunt blade    22mm wide pronged blade    27mm wide two level blunt blade    27mm wide two level pronged blade    17mm wide optional narrow Cervical blades 40mm to 60mm depth



**Blade Inserter Clamp**

- Spring loaded clamped jaws for easy blades engagement
- Clamp handles crm 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	7322-85	Pronged Blade 85mm depth

Lateral Blades



Blade Ejector Forceps

HF5103-00



Specula Range



Caspar Micro Disectomy  
Retractor Frame

HF5102-00



### Slim & Square Ended Wire Pliers

- 19cm/7 1/2" length



Slim Nose

**HF7645-19**

Serrated jaw



Square Ended\*

**HF7644-19**



\*illustrated

### Muller Claus Wire Cutters

- Tungsten carbide edges

**8-810E18**

- 18cm/7" length\*
- Cuts wire up to 2mm Ø

**8-800E22**

- 22cm/8 3/4" length
- Cuts wire up to 3mm Ø



\*illustrated

### Combined Wire Cutters & Pliers

- 18cm/7" length
- Suitable for wires up to 1.6mm Ø
- Parallel closing jaws

**200-512-185**

