



Elevators

Adson Periosteal Elevator

- 16cm/6¼" length
- Curved blunt

	Width
ZA3055-16	5mm
ZA3007-16	7mm



Pennybacker Periosteal Elevator

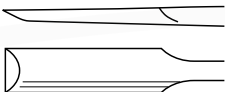
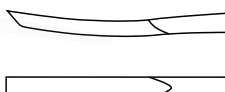
- 16cm/6¼" length
- Curved sharp

	Width
ZA3064-16	4mm
ZA3066-16	6mm
ZA3068-16	8mm



Bone Raspatory with Tufnol Handle

- 19cm/7½" length

Straight 6mm	Width		Curved 3mm	Width	
ZA7016-19			HA7023-19 HA7026-19	6mm	



Farabeuf Rugine Elevator

- 15cm/6" length

Straight 12mm	Width
ZA3001-15	
Curved* 12mm	Width
ZA3002-15	



*illustrated

Farabeuf Rugine Elevator with Hollow Handle

- 16cm/6¼" length

Straight 12mm	Width
ZA3011-16	
Curved* 12mm	Width
ZA3012-16	



*illustrated

Trethowan Bone Elevator

- 22.5cm/8½" length

ZA3030-22



Lanes Bone Elevator

- 26cm/10" length

ZA3031-26



Fagge Bone Elevator

- 27.5cm/10¾" length

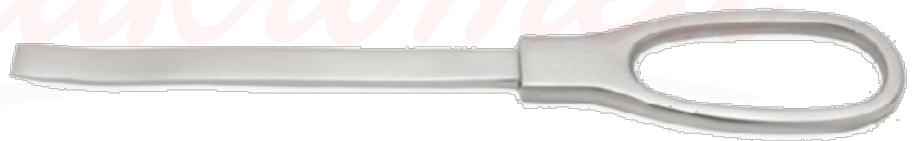
ZA3032-27



Bristow Periosteal Elevator

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

ZA3003-23



Femoral Dislocation Lever

- 31cm/12½" length
- 26mm width

ZA3026-31



Muller Femoral Retractor

- 35cm/13½" length
- 28mm width

ZA3028-35



For retraction of the femoral neck.

Mini Bone Lever

- 14cm/5½"
- 2.8mm width

ZA5830-14



Hohmann Style Mini-Bone Lever

- 16cm/6¼"
- 6mm width

ZA5831-16



Phalangeal Lever

- 15cm/6"
- 5mm width

ZA5832-16



Buck-Gramcko Lever

- 15cm/6"
- 7.5mm width

ZA5833-15



Mini-Cobra Bone Lever

- 16cm/6¼"
- 15mm width

ZA5834-16



McGlamry Metatarsal Elevator

- 17cm/6½"
- Sharp

Width

ZA5835-10	9mm
ZA5835-12	11mm
ZA5835-14	13mm
ZA5835-16	15mm
ZA5835-19	19mm



Hohmann Bone Elevator

- 22cm/8½" length
- 8mm width

ZA3008-22



Hohmann Bone Elevator

- 24cm/9½" length
- 18mm width

ZA3018-24



Hohmann Bone Elevator

- 24.5cm/9½" length
- 43mm width

ZA3043-24



Hohmann Large Bone Elevator

- 24cm/9½" length
- 70mm width

ZA3070-24



Hohmann Bone Elevator

- 28cm/11" length
- 33mm width

ZA3033-28



Hohmann Bone Elevator

- 26cm/10" length
- 24mm width

ZA3024-26



Long Curved Hohmann Inferior Hip Elevator

- 40cm/16" length
- 22mm width

ZA3022-40



Modified Hohmann Elevator

- 90° angled

Width

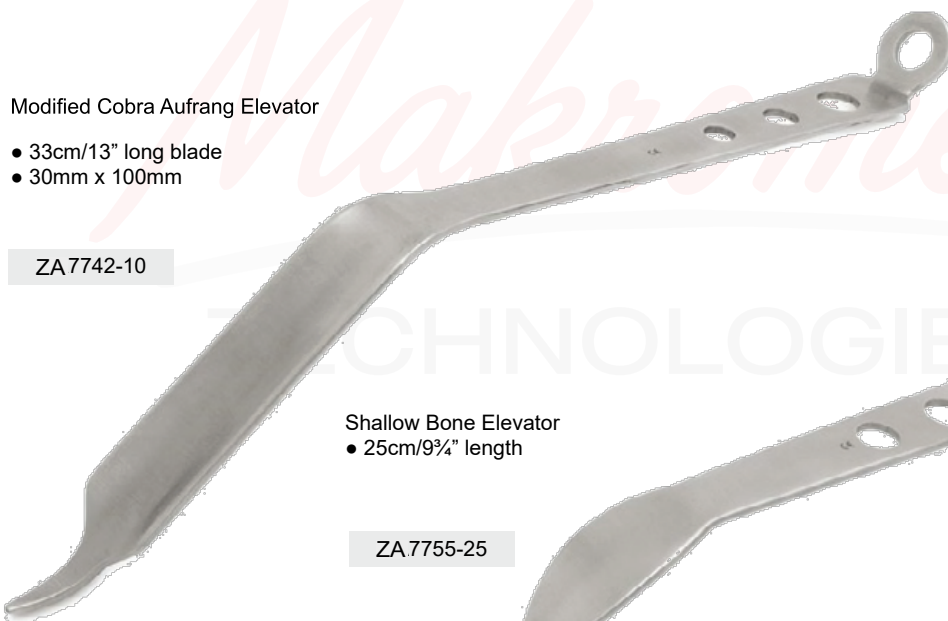
ZA 7750-10	10mm
ZA 7750-18	18mm
ZA 7750-25	25mm
ZA 7750-43	43mm
ZA 7750-70	70mm



Modified Cobra Aufrang Elevator

- 33cm/13" long blade
- 30mm x 100mm

ZA 7742-10



Shallow Bone Elevator

- 25cm/9 3/4" length

ZA 7755-25



Concave Moor Elevator

- 33cm/13" long blade

ZA 7742-20



Murphy Bone Skid Elevator

- 23cm/9" length
- For dislocation of the femoral head
- Double ended

ZA 0589-23



Murphy Insulated Bone Skid Elevator

- 33cm/13" length
- Double ended

ZA 3035-33

Infero-Posterior Acetabular Capsule Retractor

- 35cm/14" length

Right

ZA 7772-10



PCL Retractor

- 25cm/10" length
- To straddle the cruciate ligament
- 4mm wide prongs
- 21mm wide tips

ZA 7761-10



Wide Prong PCL Retractor

- 25cm/10" length
- To straddle the cruciate ligament
- 5mm wide prongs
- 23mm wide tips

ZA 7762-10



Bone Hook Sharp

- 24.5cm/9¾" length
- Sharp

ZA 9050-24



Blunt Hook

- 20cm/8" length

ZA 9051-20



Wroblenski Dislocating Hook

- 25cm/10" length
- For hooking around the neck of the Femur

ZA 9055-25



McMinn Dislocating Hook

- 25cm/10" length
- Blunt hook with Tufnol handle

ZA 9057-25



Scaphoid Spreader - Fine Pattern

- 14cm/5½" length
- 1 x 2 prongs

6mm

ZA5131-14



Scaphoid Spreader - Standard Pattern

- 14cm/5½" length

6mm

ZA5134-14



Baby Inge Bone Spreader

- 18cm/7" length

7mm
Toothed



ZA5134-18

7mm
Smooth

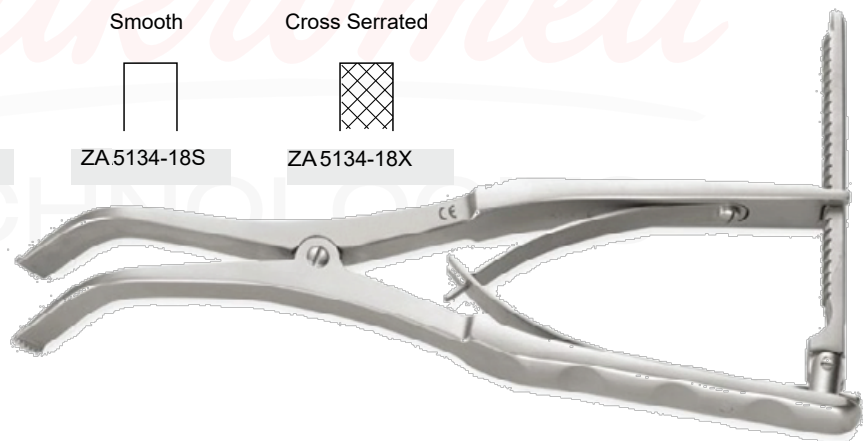


ZA5134-18S

7mm
Cross Serrated



ZA5134-18X



Scaglietti Lamina Spreader

- 28cm/11" length
- With speed lock



ZA2009-28

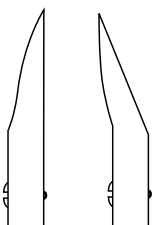


Bohler Bone Cutters

- 15cm/6" length
- Double action

Straight

ZA5160-50



Angled

ZA5161-50



McIndoe Bone Cutters

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

ZA 1028-18



Ruskin-Liston Bone Cutters

- 19cm/7½" length
- Double action

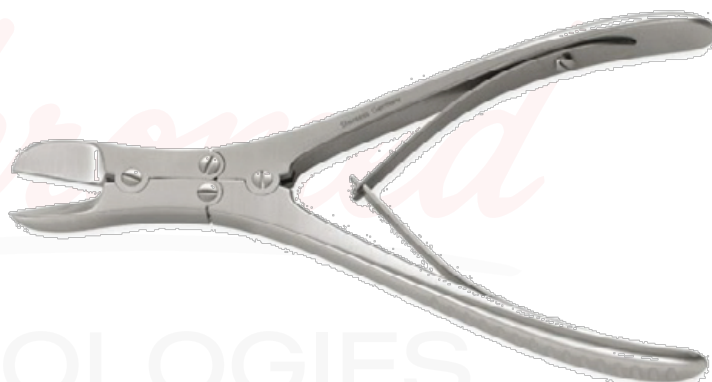
Straight

ZA5170-19



Angled

ZA5171-19



Stille-Liston Bone Cutters

- 27cm/10¾" length
- Double action

Straight

ZA 1024-27



Angled

ZA 1025-27



Liston-Key-Horsley Bone Cutters

- 27cm/10¾" length
- Double action
- Angled

ZA 1023-27



Kleinert-Kutz Bone Nibbler

- 14cm/4½" length
- Curved

2mm Bite

ZA 5118-50

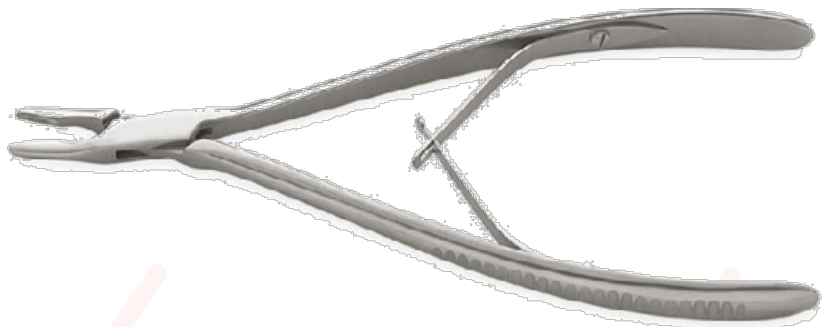


Lempert Bone Nibbler

- 19cm/7½" length
- Single action

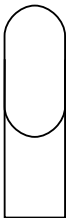
3mm Bite

ZA 1001-19



Luer Bone Nibbler

- 18cm/7" length
- Single action



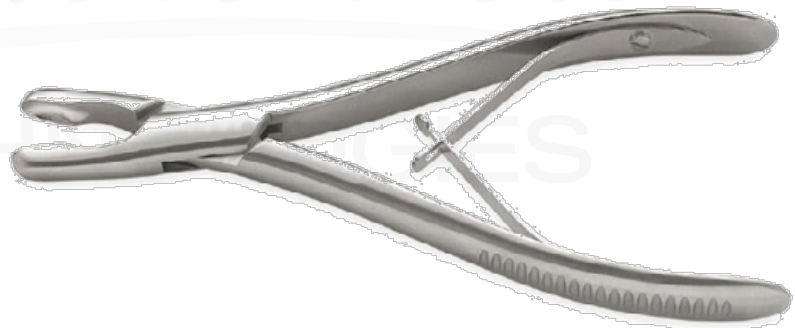
Straight
8mm Bite

ZA 1004-18



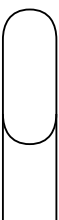
Curved 8mm
Bite

ZA 1005-18



Adsons Bone Nibbler

- 20cm/8" length
- Single action



7mm Bite

ZA 1040-20





Bone Nibblers

Bohler Bone Nibbler

- Curved double action
- 15cm/6"

- 3mm Bite

ZA 5120-50



Marquardt Bone Nibbler

- 20cm/8" length
- Curved double action

- 3mm Bite

ZA 1002-20

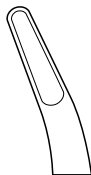


Beyer Bone Nibbler

- Curved double action
- 18cm/7"

- 4mm Bite

ZA 1002-18

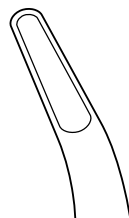


Jansen Bone Nibbler

- Curved double action
- 18cm/7"

- 5mm Bite

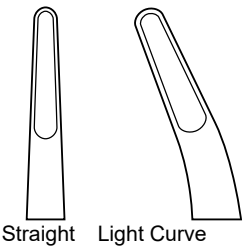
ZA 1003-18



Smith-Peterson Bone Nibbler

- 24cm/9½" length
- Double action

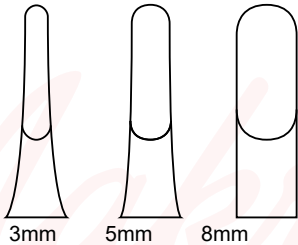
Straight	Light Curve	Bite Size
ZA 1010-24	ZA 1014-24	3mm
ZA 1011-24	ZA 1015-24	4mm
ZA 1012-24	ZA 1016-24	5mm
ZA 1013-24	ZA 1017-24	6mm



Leksell Bone Nibbler

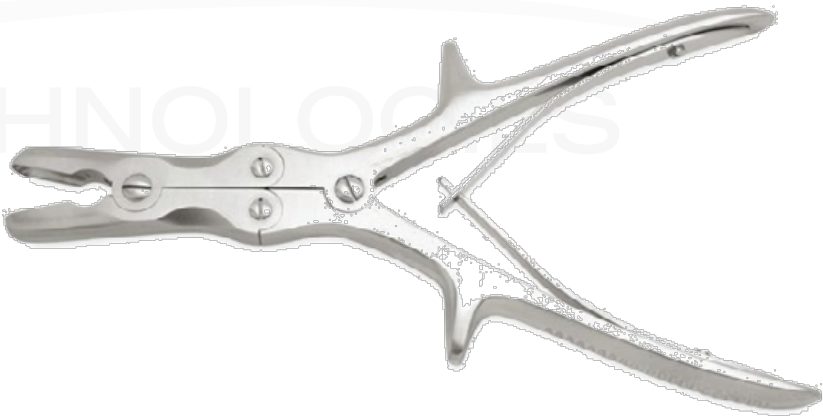
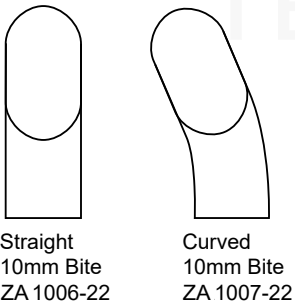
- 24cm/9½" length
- Double action angled

Angled Jaw	Bite Size
ZA 1018-24	3mm
ZA 1019-24	5mm
ZA 1020-24	8mm



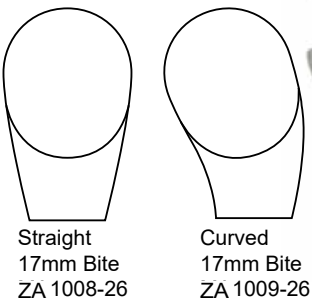
Stille-Luer Bone Nibbler

- 22cm/8¾" length
- Double action



'Mr Blobby' Stille-Luer Bone Nibbler

- 26cm/10¼" length
- Double action



Langenbeck Bone Holding Forceps

- 20cm/8" length

ZA5120-05

5mm



Frosch Bone Holding Forceps

- 18cm/7" length
- Toothed/serrated jaws

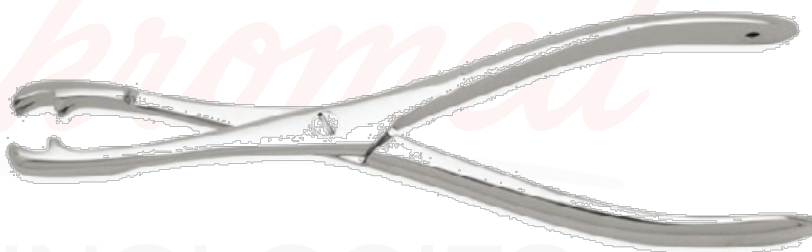
ZA6141-18



St. Thomas Bone Holding Forceps

- 18cm/7" length
- Screw joint

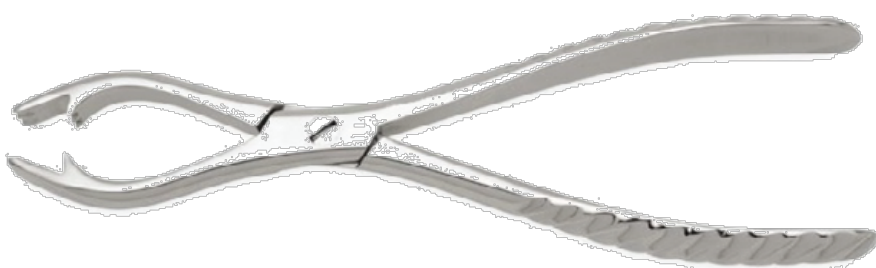
ZA6170-18



Fergusson Bone Holding Forceps

- 20cm/8" length
- Screw joint

ZA6140-20



Langenbeck Bone Holding Forceps

- 21cm/8 1/4" length

ZA6144-21



Trochanter Holding Forceps

- 21cm/9" length

ZA 6145-21

Semb Bone Holding Forceps

- 19cm/7½" length
- Angled to side

ZA 6147-18



Hey Groves Bone Holding Forceps

- Screw joints
- Serrated jaws



Length

ZA 6145-20	20cm/8"	Small
ZA 6145-25	25.5cm/10"	Medium
ZA 6145-30	30.5cm/12"	Large



Verbrugge Bone Holding Forceps

Length

ZA 6150-25	25cm/10"	Small
ZA 6150-26	26cm/10½"	Medium
ZA 6150-27	27cm/11"	Large

The Hintermann Distractor is used in foot and ankle surgery for bone distraction as an alternative to Lamina spreaders. The instrument can be locked and applies distraction across two K-wires placed on either side of a joint.

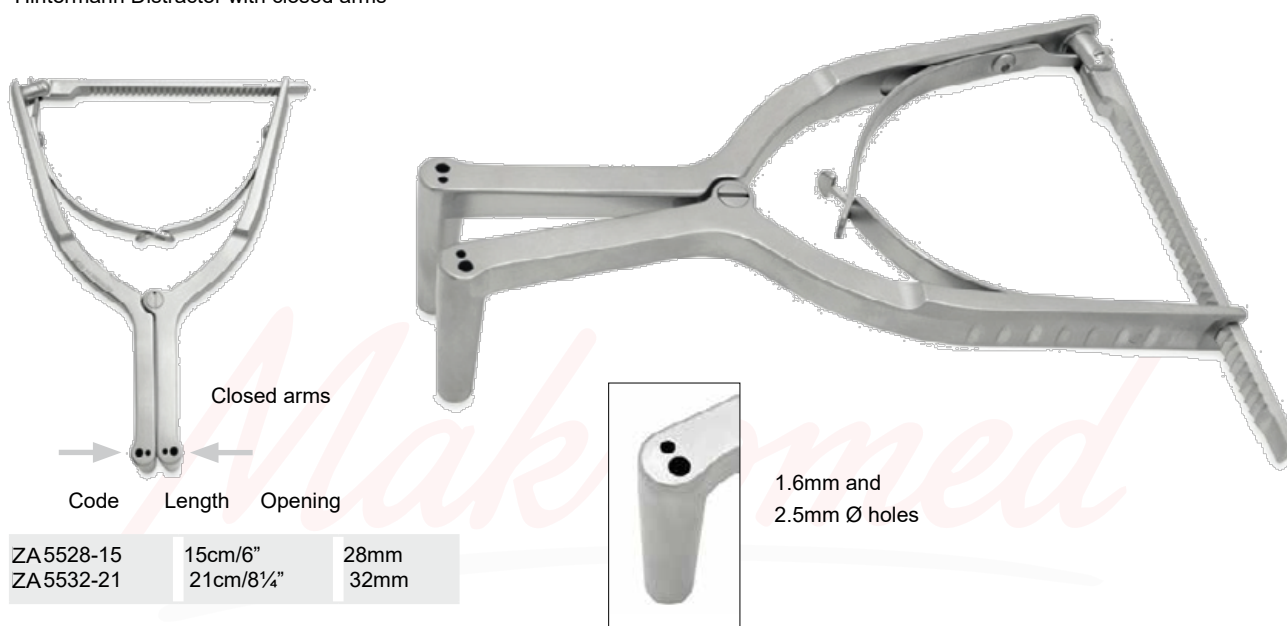
The spreader is then distracted, and locked when the required distance between the two bone fragments is reached.

Two K-wires (either 1.6 or 2.5mm Ø) are introduced into the correct holes in the spreading arms, and penetrate the bone at appropriate position into each of the two bone fragments to be distracted.

The Hintermann offers flexible positioning with the advantage of not interfering with the procedure.

These distractors are available in two different sizes (15cm or 21cm), and with closed or outspread arms, allowing them to fit different indications.

Hintermann Distractor with closed arms



Hintermann Distractor with open arms - for wider distraction



Pelvic Reduction Forceps

- 19cm/7½" length
- Angled, small
- Pointed ball tips
- Speed lock

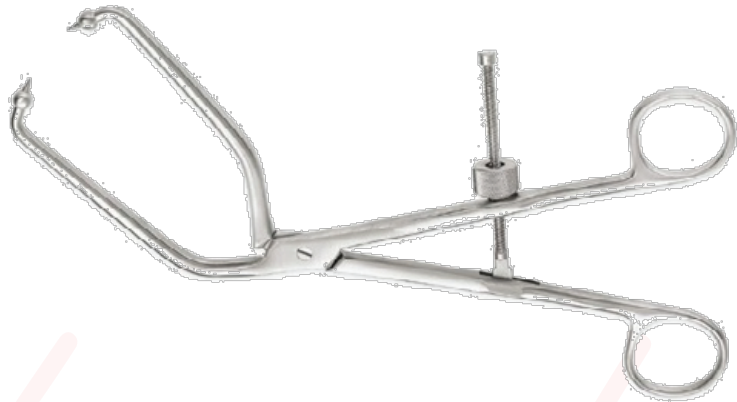
ZA6151-19



Pelvic Reduction Forceps

- 23cm/9" length
- Angled, large
- Pointed ball tips
- Speed lock

ZA6152-23



Pelvic Reduction Forceps

- 25cm/10" length
- Straight, large
- Pointed ball tips
- Speed lock

ZA6153-25



Pelvic Reduction Forceps

- 40cm/16" length
- Pointed ball tips
- Speed lock

ZA6154-40



Pelvic Reduction Forceps

- 40cm/16" length
- 3 pointed ball tips
- Speed lock

ZA6155-40



Meyerding Retractor

- 22cm/9" length



Blade size

ZA5050-22	50mm x 16mm
ZA5075-22	70mm x 25mm
ZA5090-22	90mm x 50mm

Langenbeck Retractor

- 21.5cm/8½" length



Blade size

ZA5122-21	22mm x 6mm	Small
ZA5145-21	45mm x 13mm	Medium
ZA5165-21	65mm x 25mm	Large
ZA5190-21	90mm x 20mm	Extra large

Volkman Catspaw Retractor

- | 21.5cm/8½" length
- | Semi sharp teeth



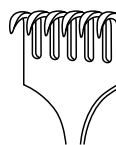
15 x 15mm 3
Prong

ZA5015-21



15 x 20mm 4
Prong

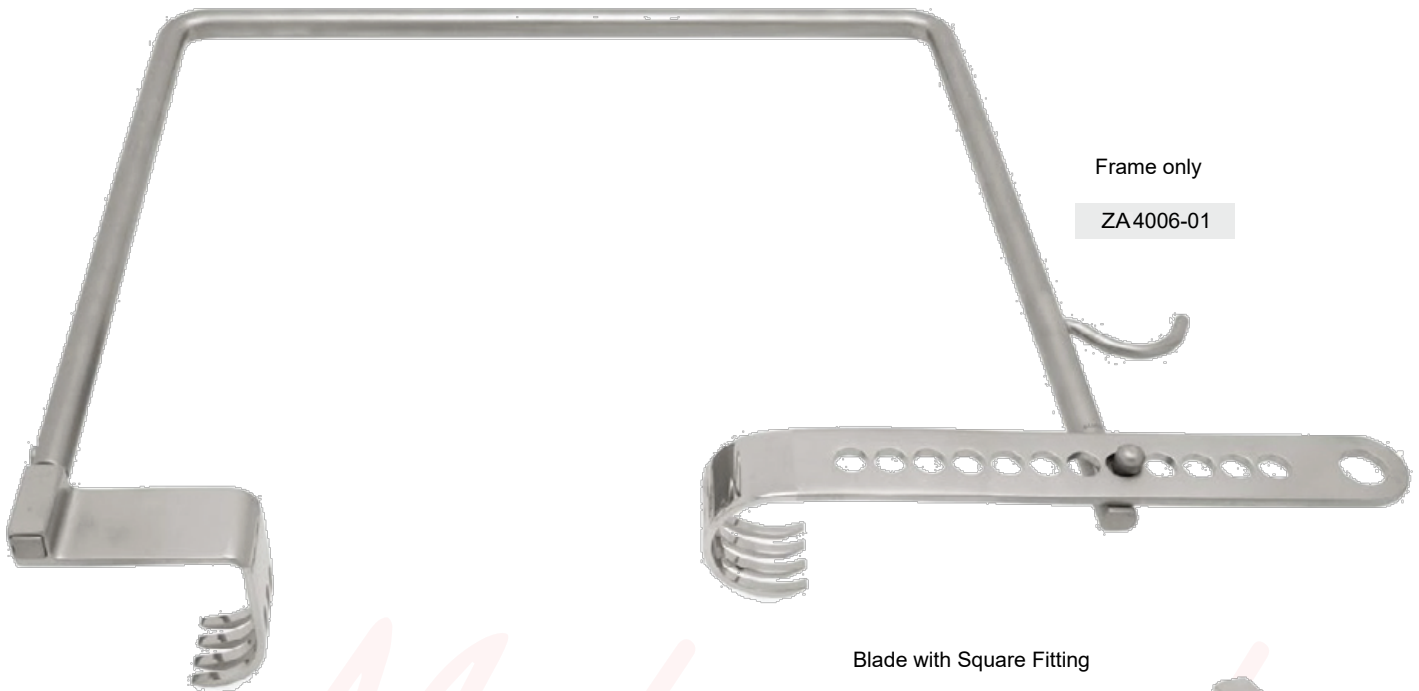
ZA5020-21



15 x 30mm
6 Prong

ZA5030-21

Charnley Initial Incision Retractor Set



Frame only

ZA 4006-01

Blade with Square Fitting



ZA 4006-00

Complete Set - Basic

Consisting of: •
1x Frame

- 1x Weight & chain
- 1x Square fitting blade - 50mm depth
- 1x Round fitting blade - 40mm depth

ZA 4006-05

Complete Set - Extended

Consisting of:

- 1x Frame
- 1x Weight & chain
- 3x Square fitting blades:
- 3x Round fitting blades:

50mm depth

40mm depth

75mm depth

75mm depth

100mm depth

100mm depth

ZA 4006-50

Standard depth 50mm

ZA 4006-75

Extra depth 75mm

ZA 4006-10

Extra, extra depth 100mm

Blade with Round Fitting



ZA 4007-40

Standard depth 40mm

ZA 4007-75

Extra depth 75mm

ZA 4007-10

Extra, extra depth 100mm



Weight & chain

ZA 4006-07

To spread the incision in the fascia lata. It is combined with a weight and chain, which tilts the retractor to an angle of 45° to improve exposure of the anterior aspect of the joint.

West's S/R Retractor

- 14cm/5½" length
- 3x4 Sharp prongs

ZA 4003-14

Weitlaner S/R Retractor

- 14cm/5½" length
- 3x4 Blunt prongs

ZA 4002-14



Travers S/R Retractor

- 20cm/8" length
- 4x5 Blunt prongs

ZA 4004-20



Norfolk and Norwich S/R Retractor

- 20cm/8" length
- 4x5 Blunt prongs

ZA 4000-20



Gelpi Laminectomy Retractor

- Sharp prongs

	Length	Prong depth
ZA 4030-16	18.5cm/7¼"	30mm
ZA 4050-16	19.5cm/7¾"	50mm
ZA 4070-16	20cm/8"	70mm



Charnley Vertical Retractor

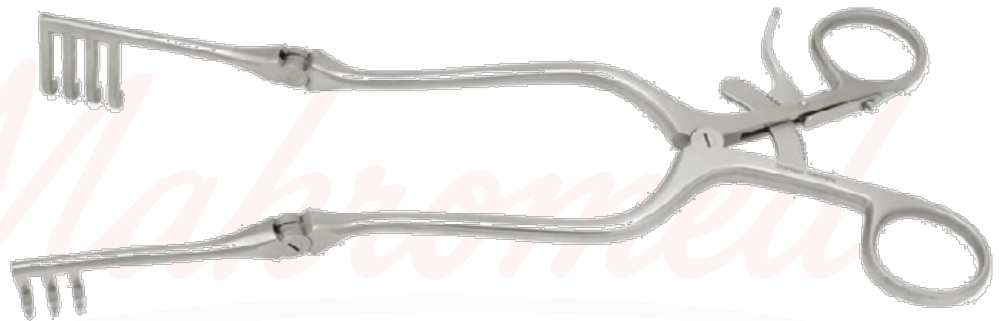
- 24.5cm/9½" length
- 3x4 Sharp prongs
- Blade depth 22mm

ZA4007-24



Cones Self Retaining Retractor

- 3x4 Prongs
- Jointed arms



Blunt Prongs	Length	Depth	Sharp Prongs	Length	Depth
ZA4064-13	13cm/5"	15mm	ZA4063-13	13cm/5"	15mm
ZA4066-16	16cm/6½"	15mm	ZA4065-16	16cm/6½"	15mm
ZA4068-20	20cm/8"	20mm	ZA4067-20	20cm/8"	20mm
ZA4070-24	24cm/9½"	25mm	ZA4069-24	24cm/9½"	25mm

Harvey Jackson Self Retaining Retractor

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

ZA4010-30



Charnley Horizontal Hip Retractor

- 28cm/11" length
- Blade depth 18mm
- Hinged joint
- 7" opening

ZA 4006-28

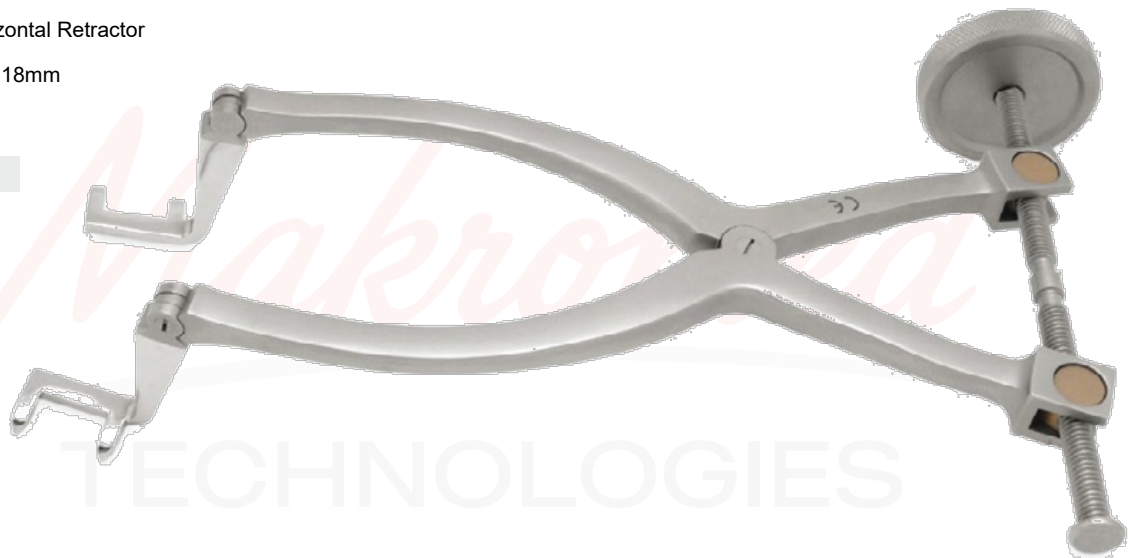
To retract the detached trochanter headwards, and the femur towards the feet



Hardinge Horizontal Retractor

- Blade depth 18mm
- Hinged joint

ZA 4007-28



Charnley Pin Retractor

Complete set with:

- T-handle introducer
- Pair of pins with chains

ZA 1100-00

ZA 1101-00

T-handle only



Pair of pins with chain only

ZA 1102-00



One pin, or sometimes two, is driven into the bone of the superior lip of the acetabulum, to stake back the capsule to give a clear view of the superior lip of the acetabulum. The nerve supply to the tensor fasciae femoris is preserved in this exposure by restricting dissection in the cleft in front of the gluteus medius, but this restricts exposure. By using pins to stake back the abductor muscles, a good exposure of the acetabulum can be obtained, and at the same time the nerve supply to tensor fasciae femoris can be preserved.

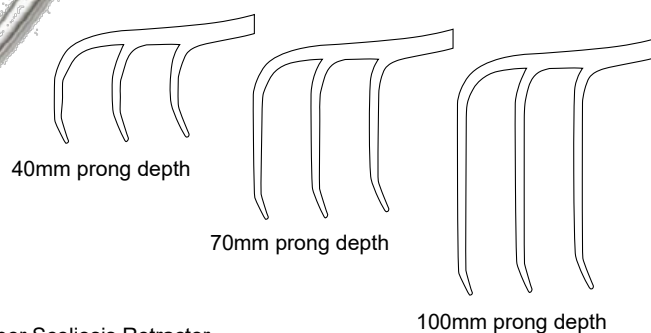
The short pins do not obstruct the surgeon's hand in access to the acetabulum. The chain is a safety device to prevent the pins being left in situ.

Viper Hinged Scoliosis Retractor

- 30cm/11¾" length
- Sharp

Depth Prongs

ZA 7248-38H	40mm
ZA 7248-40H	70mm
ZA 7248-50H	100mm



Viper Scoliosis Retractor

- 30cm/11¾" length
- Sharp prongs

Depth Prongs

ZA 7248-38	40mm
ZA 7248-40	70mm
ZA 7248-50	100mm

Toffee Mallet

- | 19cm/7½" length
- | Head size 22mm Ø
- | Weight 165g/6oz

ZA 5808-21



Ultra Fine Mallet

- | 17cm/6¾" length
- | Head size 20mm Ø
- | Weight 145g/5oz

ZA 5801-17



Heath Mallet

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

ZA 5809-19



Mallet with Tufnol Handle

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

ZA 5803-23

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

ZA 5804-23



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

ZA 5805-23

London Splint Mallet
 | 18cm/7" length
 | Head size 30mm Ø
 | Weight 450g/16.2oz

ZA 5802-18



Ombredanne Mallet

- 24cm/9½" length
- Head size 40mm Ø
- Weight 550g/20oz

ZA 5806-24



Mallet with Tufnol Handle

- 24cm/9½" length
- Lead filled head
- Weight 400g/14oz

ZA 5810-24



Tufnol Mallet

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

ZA 5807-25



Mini-Lambotte Osteotome

12.5cm/5" length

Width

ZA 5270-02	2mm
ZA 5270-03	3mm
ZA 5270-04	4mm
ZA 5270-06	6mm
ZA 5270-08	8mm

Set of 5 sizes:
2mm to 8mm

ZA 5270-28



Lambotte Osteotome

25cm/9¾" length



Straight Width

ZA 7970-04	4mm
ZA 7970-06	6mm
ZA 7970-08	8mm
ZA 7970-10	10mm
ZA 7970-13	13mm
ZA 7970-15	15mm
ZA 7970-18	18mm
ZA 7970-20	20mm
ZA 7970-25	25mm
ZA 7970-30	30mm

Curved Width

ZA 7971-04	4mm
ZA 7971-06	6mm
ZA 7971-08	8mm
ZA 7971-10	10mm
ZA 7971-13	13mm
ZA 7971-15	15mm
ZA 7971-18	18mm
ZA 7971-20	20mm
ZA 7971-25	25mm
ZA 7971-30	30mm

Ultra Fine Osteotome (Titanium Nitrate Coated)

16cm/6¼" length

Width

ZA 5230-02	2mm
ZA 5230-04	4mm
ZA 5230-06	6mm
ZA 5230-08	8mm
ZA 5230-10	10mm
ZA 5230-12	12mm



Set of 6 sizes: 2mm to 12mm complete with mallet in sterilising case

ZA 5230-48

Mini-Stillle Osteotome

16cm/6¼" length

Straight Width

ZA 7704-16	4mm
ZA 7706-16	6mm
ZA 7708-16	8mm



Stillle (Swedish) Osteotome

• 20cm/8" length

Straight Width

ZA 7706-20	6mm
ZA 7708-20	8mm
ZA 7710-20	10mm
ZA 7712-20	12mm
ZA 7715-20	15mm
ZA 7720-20	20mm
ZA 7725-20	25mm
ZA 7730-20	30mm



Hibbs Osteotome with thin blade

- 20cm/8" length
- Extra thin blade

Straight Width

ZA 7804-20	4mm
ZA 7806-20	6mm
ZA 7808-20	8mm
ZA 7810-20	10mm
ZA 7812-20	12mm
ZA 7815-20	15mm
ZA 7820-20	20mm
ZA 7825-20	25mm
ZA 7830-20	30mm

Curved Width

ZA 7904-20	4mm
ZA 7906-20	6mm
ZA 7908-20	8mm
ZA 7910-20	10mm
ZA 7912-20	12mm
ZA 7915-20	15mm
ZA 7920-20	20mm
ZA 7925-20	25mm
ZA 7930-20	30mm



Smith Petersen Osteotome

• 20cm/8" length

Width

ZA 7610-20	10mm
ZA 7615-20	15mm
ZA 7620-20	20mm
ZA 7625-20	25mm
ZA 7630-20	30mm



Mini-Lexer Osteotome

18cm/7" length

- Tufnol handle

ZA 5250-48

Set of 5 sizes:

2mm to 10mm

Width

ZA 5250-02	2mm
ZA 5250-04	4mm
ZA 5250-06	6mm
ZA 5250-08	8mm
ZA 5250-10	10mm



Lexer Osteotome

- 22cm/8½" length
- Tufnol handle

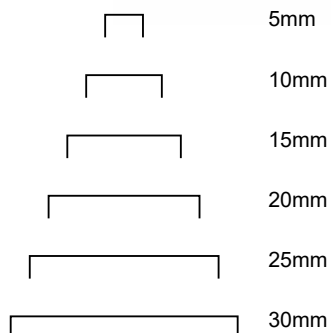
Width

ZA 7207-22	7mm
ZA 7210-22	10mm
ZA 7215-22	15mm
ZA 7220-22	20mm
ZA 7225-22	25mm



Dahmen Osteotome

- 30cm/12" length
- Tufnol handle



Straight Width

ZA 7105-30	5mm
ZA 7110-30	10mm
ZA 7115-30	15mm
ZA 7120-30	20mm
ZA 7125-30	25mm
ZA 7130-30	30mm

Angled Width

ZA 7305-30	5mm
ZA 7310-30	10mm
ZA 7315-30	15mm
ZA 7320-30	20mm
ZA 7325-30	25mm
ZA 7330-30	30mm

Box Chisel

- 29cm/13½" length
- For preparation of the proximal femur
- 31mm width x 6mm

ZA7031-29



Pelvic Osteotome

- 30cm/12" length
- Tufnol handle
- Angled shaft



15mm width

20mm width

ZA7015-30

ZA7020-30

Chisel with Interchangeable Blades

- 20cm/8" length
- Tufnol handle
- Very thin blades



ZA0790-20

Complete set with 4 blades* & key

Blade Width
5mm*

ZA0792-05

ZA0793-08

ZA0793-10

ZA0793-12

ZA0794-15

ZA0795-25

8mm

10mm*

12mm

15mm*

25mm*

Capener Lamina Gouge

- 23cm/9" length
- Cranked shaft



Width

ZA6506-23

ZA6508-23

ZA6511-23

ZA6516-23

6mm

8mm

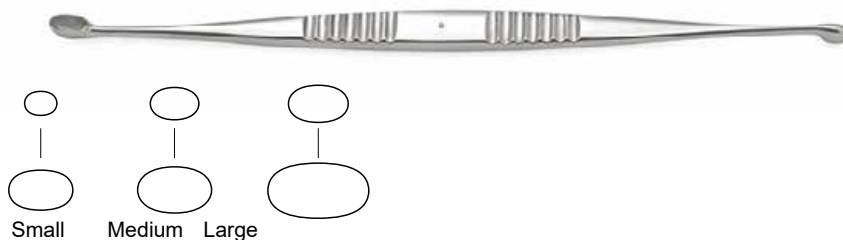
11mm

16mm

Bone Curettes

- Volkman Curette**
- 22cm/8¾" length
 - Double ended

	Size
ZA 8401-22	Small
ZA 8402-22	Medium
ZA 8403-22	Large



Muller Bone Curette

- 27cm/9¾" length
- Tufnol handle



Toothed Bone Curette

- 27cm/9¾" length
- Sharp spoon with teeth
- Tufnol handle



Charnley Bone Curette

- 37cm/15" length
- T-handle



Charnley Ring Curette

- 37cm/15" length
- Double sided
- Serrated cutting edge
- T-handle



Cup Extraction Chisel

- 32cm/12½" length
- Curved 7mm tip
- Metal strike plate
- Tufnol handle



MA6507-32



Bayonet Gouge

- 32cm/12½" length
- Metal strike plate
- Tufnol handle
- 8mm width



ZA 6508-32

Swan Necked Gouge

- 28.5cm/11" length
- 25mm width



ZA 6525-28

Cement Gouge

- 34.5cm/13½" length



9mm width
ZA 6509-34

11mm width
ZA 6511-34

Cement Chisel Angled 15°

- 35.5cm/14 length
- 9mm tip



ZA 6109-35



Cement Osteotome • 30cm/12" length

- Tufnol handle with strike plate

	Width
ZA6105-30	5mm
ZA6107-30	7mm
ZA6110-30	10mm



Cement Splitting Osteotome

- 30cm/12" length
- Tufnol handle with strike plate
- Guarded blade

	Width
ZA6205-30	5mm
ZA6210-30	10mm



Straight Cement Gouge

- 30cm/12" length
- Tufnol handle with strike plate

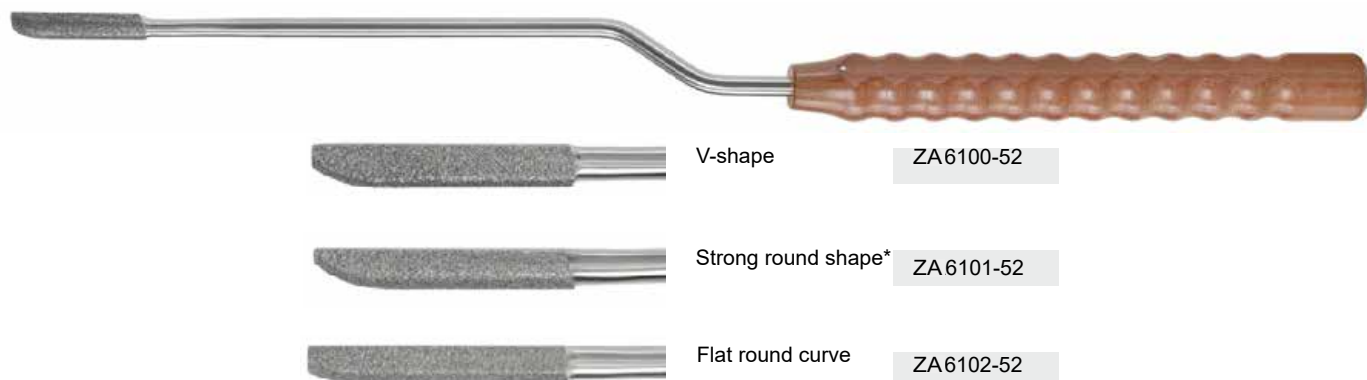
	Width
ZA6305-30	5mm
ZA6307-30	7mm
ZA6310-30	10mm



Bayonet Cement Rasp

- 52cm/20½" length
- Tufnol handle

*illustrated



V-shape

ZA6100-52

Strong round shape*

ZA6101-52

Flat round curve

ZA6102-52

Bayonet Cement Chisel

- 40cm/15¾"length
- Tufnol handle with strike plate

Width

ZA 6105-40	5mm
ZA 6107-40	7mm
ZA 6110-40	10mm



Bayonet Cement Splitting Osteotome

- 40cm/15¾"length
- Tufnol handle with strike plate
- Guarded blade

Width

ZA 6205-40	5mm
ZA 6207-40	7mm
ZA 6210-40	10mm



Bayonet Cement Gouge

- 40cm/15¾"length
- Tufnol handle with strike plate

Width

ZA 6505-40	5mm
ZA 6507-40	7mm
ZA 6510-40	10mm



Bayonet Cement Gouge

- 40cm/15¾"length
- Tufnol handle with strike plate

Width

ZA 6605-40	5mm
ZA 6607-40	7mm
ZA 6610-40	10mm



For cement removal through fenestration in the femur.

Malleable Cement Probe

- 38cm/15" length
- For probing the Femur

ZA 6900-38



Cement Plug Extractor

- 48cm/19" length
- T-handle
- For extraction of cement plug

ZA 6807-48

ZA 6809-48

ZA 6811-48

Thread Dia.
7mm

9mm

11mm



Used with a slotted mallet



Retrograde Cement Chisel

- 50cm/19 3/4" length
- Tufnol T-handle
- Striking plate

ZA 6805-50

ZA 6807-50

ZA 6810-50

Width

5mm

7mm

10mm



Slotted Mallet

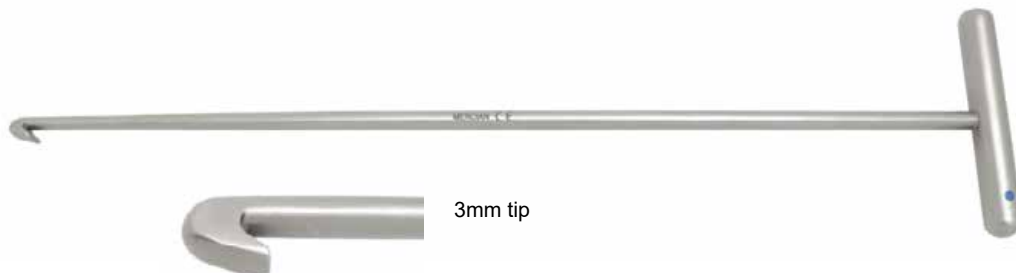
ZA 6850-00



Cement Extraction Hook

- 34.5cm/14" length

ZA 6905-34



3mm tip

Cement Twist Drill Long

- 40cm/15¾" length



Diameter

ZA 1400-06	6mm
ZA 1400-08	8mm
ZA 1400-10	10mm

Fine Cement Duckbill Grasping Forceps

- 35cm/14" shaft length
- Fine jaws



Heavy Cement Grasping Forceps

- 26cm/10" shaft length
- Serrated jaws 6mm width



Femoral Head Extractor

- 23cm/9" length
- Tufnol handle

ZA6916-23



Moore Femoral Head Extractor

- 20.5cm/8" length
- Metal handle

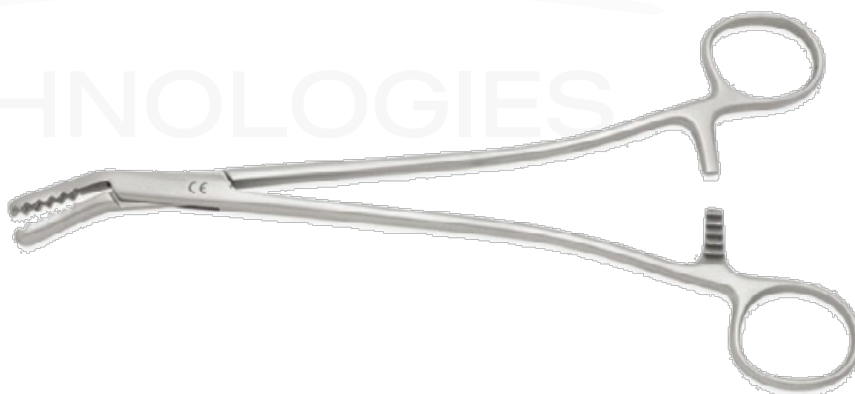
ZA6914-20



Joint Capsule Clamp

- 21cm/8¼" length
- 25mm jaw length

ZA6995-21



Joint Capsule Scissors

- 25cm/9¾" length
- Angled blades

ZA6910-25



Femoral Head Impactor

- 20cm/8" length
- Nylon head

ZA6918-20

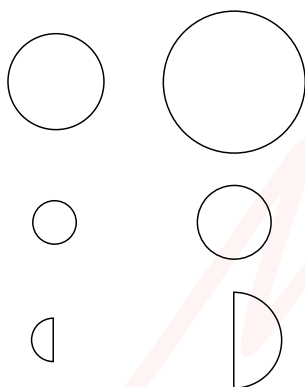


McGoey Bone Punch

- Double ended



* illustrated



No 1. 13mm x 19mm Ø

ZA6913-19

Large size

No 2. 6mm x 10mm Ø

ZA6906-10

*Small size

No 3. 6mm x 13mm Ø
With flats

ZA6906-13

Hardinge Cement Restrictor

- 33.5cm/13 3/4" length
- Graduated shaft



ZA6920-33

Femoral Pusher

- Square ended



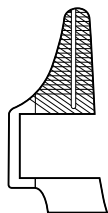
ZA6925-20



Universal Fine Pliers and Cutters

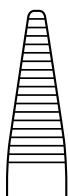
- 15cm/6" length

ZA 7640-15



Slim & Square Ended Wire Pliers

- 19cm/7½" length



Slim Nose

ZA 7645-19

Serrated jaw



Square Ended*

ZA 7644-19



*illustrated

Pliers for Screw Removal

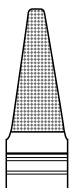
- 20cm/8" length

ZA 5701-20

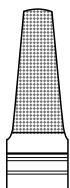


Muller Claus Wire Pullers

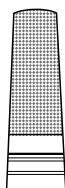
- 18cm/7" length
- Double action
- Tungsten jaws



2mm Jaws
ZA 8-818E18



4mm Jaws
ZA 8-820E18



6mm Jaws
ZA 8-821E18

Muller Claus Wire Cutters

- 16cm/6" length
- Tungsten carbide edges
- Cuts wire up to 1.6mm Ø

ZA.8-810E16



Muller Claus Wire Cutters

- Tungsten carbide edges

ZA.8-810E18

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

ZA.8-800E22

- 22cm/8¾" length
- Cuts wire up to 3mm Ø



*illustrated

End Wire Cutters

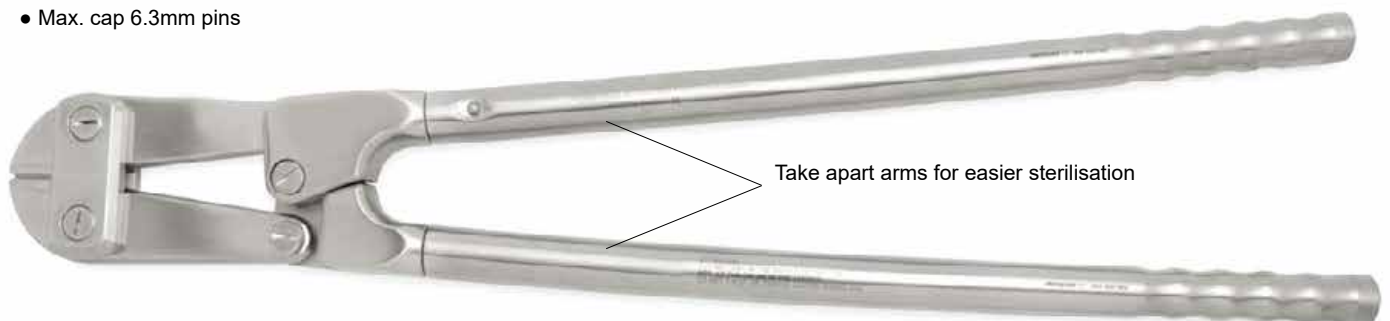
- 18cm/7" length
- Tungsten carbide edges
- Cuts wire up to 1.7mm Ø

ZA.8-816E18



Bolt Cutters with dismantable arms

- Max. cap 6.3mm pins



Take apart arms for easier sterilisation

ZA.200-500-585

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

Combined Wire Cutters & Pliers

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

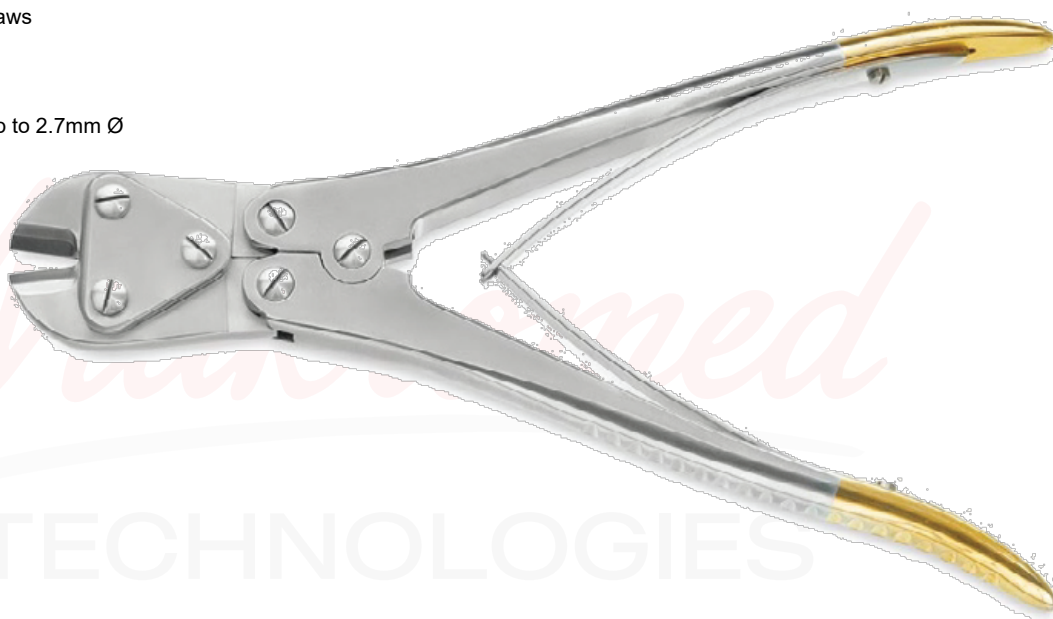
ZA 200-512-185



Wire Cutters with T/C Jaws

- 24cm/9½" length
- Double action
- Cuts plates & wires up to 2.7mm Ø

ZA 7644-24



'Power Cut' Wire Cutters

- 20cm/8" length
- Cutting inserts are T/C and can be replaced
- Cuts wires up to 3mm Ø

ZA 7645-20



Needle Nosed Locking Pliers



Code	Length	200-514-
220	22cm/8 $\frac{3}{4}$ "	Small
ZA 200-515-250	25cm/9 $\frac{3}{4}$ "	Medium
ZA 200-516-300	30cm/11 $\frac{3}{4}$ "	Large

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

Pliers modified for Slap Hammer

Code	Length	200-514-
221	22cm/8 $\frac{3}{4}$ "	Small
ZA 200-515-251	25cm/9 $\frac{3}{4}$ "	Medium
ZA 200-516-301	30cm/11 $\frac{3}{4}$ "	Large

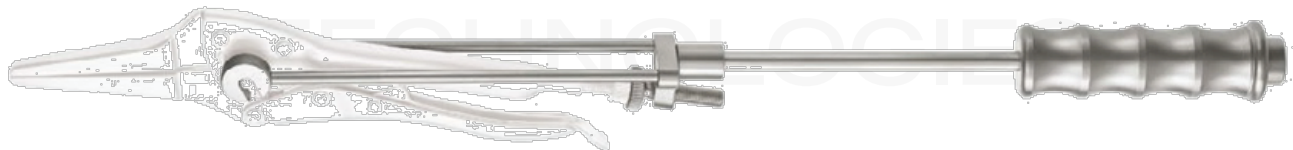
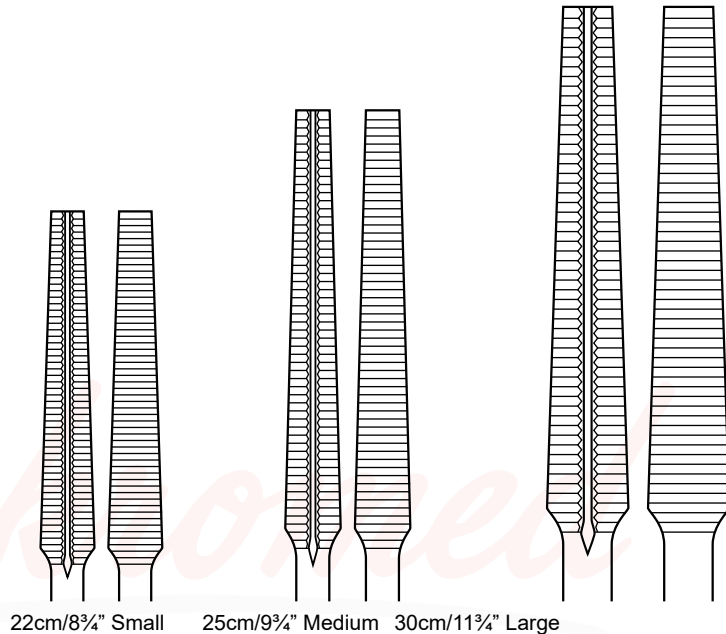
Slap Hammer attachment only

Code Length Weight

ZA 210-400-350	35cm/13 $\frac{3}{4}$ "	400g*
ZA 210-700-350	40cm/15 $\frac{3}{4}$ "	700g+

- *Fits pliers - small & medium size
- +Fits pliers - large size

N.B. When used with slap hammer the locking pliers need modification.



Orthopaedic Locking Pliers

- Hardened jaws

Code	Length	200-511-
180	18cm/7"	Small
ZA 200-511-200	20cm/8"	Medium
ZA 200-511-240	24cm/9 $\frac{1}{2}$ "	Large

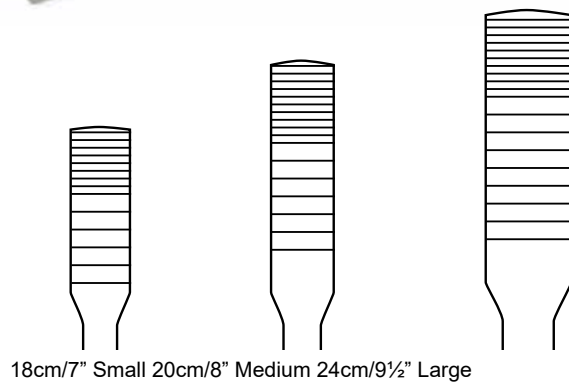


Orthopaedic Locking Pliers modified for Slap Hammer

Code Length

ZA 200-511-181	18cm/7"	Small
ZA 200-511-201	20cm/8"	Medium
ZA 200-511-241	24cm/9 $\frac{1}{2}$ "	Large

N.B. When used with slap hammer the locking pliers need modification.



Kirschner Wire Introducing T-Handle

- 12cm/4¾" length
- 1.5mm Ø wires

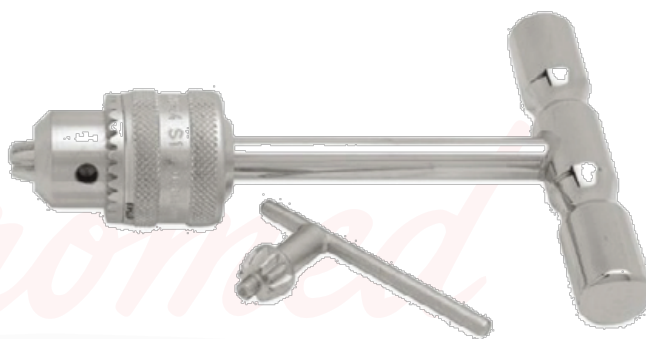
ZA5015-12



Steinmann Pin Introducer T-Handle

- 14cm/5½" length
- 0.5mm - 8mm Ø pins
- With Jacobs chuck & key

ZA5502-14



Steinmann Pin Introducer T-Handle

- 14cm/5½" length
- 0.7mm - 6mm Ø pins
- Universal chuck

ZA5507-14



Bone Mill

- Table mounted with crank handle
- With removable cutting drum*

ZA6001-00

For grinding bone chips used for bone graft procedures.

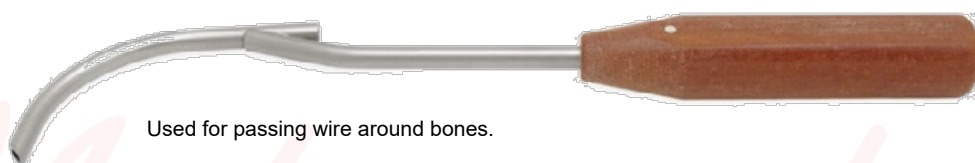


Cutting Drum Sizes
* 3mm Ø hole bore

4mm Ø hole bore
5mm Ø hole bore

Wire Passing Guide

- 21cm/8¼" length



Used for passing wire around bones.

Large curve 70mm Ø

ZA6105-21

Small curve 45mm Ø

ZA6104-21

Bone Awl

- Straight with eye

	Diameter	Length
ZA 5602-12	2.0mm	125mm
ZA 5602-13	2.4mm	130mm
ZA 5602-14	2.8mm	145mm
ZA 5602-15	3.2mm	160mm
ZA 5602-16	3.6mm	165mm
ZA 5602-17	4.0mm	175mm



Slotted Head

• 17cm/6¾" length

• For head screws 2.7mm - 4.0mm

ZA 7014-17



Long Slotted Head

• 25cm/10" length

• For head screws 2.7mm - 4.0mm

ZA 7014-25



Phillips Head •

25cm/10" length

• For small Phillips head screws 6mm

ZA 7015-25

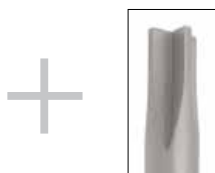


Cross Slotted Head

• 25cm/10" length

• For cross slot screws 6mm

ZA 7016-25



Hexagonal Head

- 25cm/10" length
- For hexagonal head screws 2.7mm - 4.0mm



Screwdriver Handle

- To fit shafts with quick lock attachment

ZA7020-02



Screwdriver Handle Small

- To fit shafts with quick lock attachment

ZA7020-01



Shaft with Quick Lock Fitting

- Hexagonal tip

Shaft Diameter MA7021-00

ZA7022-00

2.5mm
3.5mm



Howarth Elevator

- 21.5cm/8½" length



ZA 9207-21

MacDonald Elevator/Dissector



Size
19cm/7½"

ZA 7105-19

ZA 9206-23

23cm/9"

Watson Cheyne Dissector



Length

ZA 7203-18

ZA 9203-23

ZA 9203-25

18cm/7"

23cm/9"

25.5cm/10"

Freers Elevator/Dissector

- 18.5cm/7¼" length



ZA 7602-18

Swedish Dissector

- 18cm/7" length



ZA 9201-18

Stainless Steel Measuring Ruler

Code	Length
ZA5005-15	15cm/6"
ZA5005-30	30cm/12"



Measuring Caliper

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

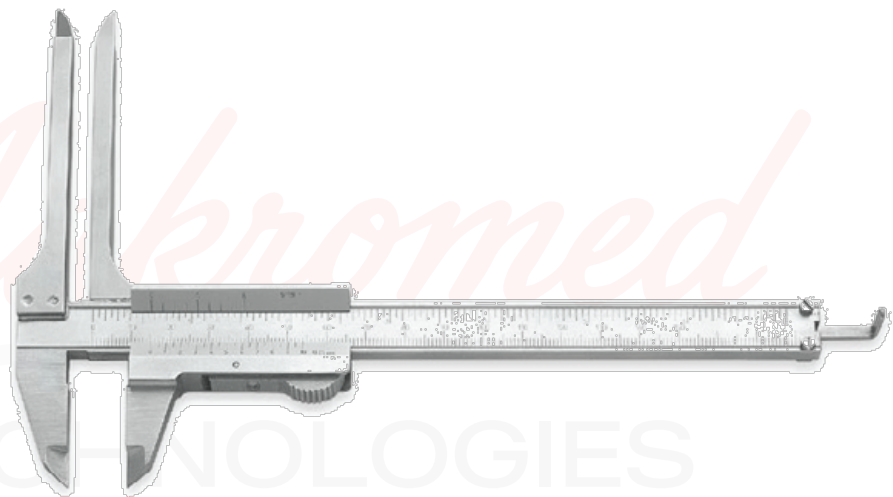
ZA7334-20



Vernier Caliper

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

ZA7338-00



Depth Gauge

- Measuring depth up to 50mm
- Hook part of probe: Ø1.7mm
- Measuring probe (bottom): Ø1.6mm

ZA7350-00



Depth Gauge

- Measuring depth up to 70mm

ZA7370-00



Direct Reading Depth Gauge

- 23cm length
- Measuring depth up to 40mm

ZA7333-10





Arthroscopy Punches

Slimline Basket Punch
• Narrow compact jaw design



Slimline Basket Punch



	Jaws	Width
ZA 225-800-002	Straight	1.7mm
ZA 225-800-005	Up biter	1.7mm
ZA 225-800-011	Up curved shaft	1.7mm



Straight Tip & Shaft



Upwards Angled Tip



Upwards Angled Shaft

Regular Basket Punch



Basket Punch



	Jaws	Width
ZA 225-800-050	Straight	3.4mm
ZA 225-800-055	Up biter	1.5mm



Straight Tip & Shaft



Upwards Angled Tip

Duckbill Basket Punch

- Multi purpose low profile punch with square bite



Duckbill Basket Punch



Profile Duckbill jaws



	Jaws	Width
ZA 225-800-102	Straight	3.2mm
ZA 225-800-105	Up biter	3.2mm
ZA 225-800-107	Up biter left	3.2mm
ZA 225-800-109	Up biter right	3.2mm



Straight Tip & Shaft



Upwards Angled Tip



Curved in Shaft

Duckling Basket Punch



Duckling Basket Punch



Low profile duckling jaws



	Jaws	Width
ZA 225-800-402	Straight	3.2mm
ZA 225-800-405	Up biter	3.2mm
ZA 225-800-411	Up curved shaft	3.2mm
ZA 225-800-413	Left curved shaft	3.2mm
ZA 225-800-415	Right curved shaft	3.2mm



Straight Tip & Shaft



Upwards Angled Tip



Upwards Angled Shaft



Curved in Shaft



Arthroscopy Punches

Scissor Punch

- Extremely slim jaws



Scissor Punch

Jaws Width

ZA 225-800-532	Straight	1mm
ZA 225-800-535	Up biter in jaw	1mm



Straight Tip & Shaft



Upwards Angled Tip

Biopsy Rongeur

- Cupped jaw design



Biopsy Rongeur Forceps

MA225-800-920

Hook Scissors

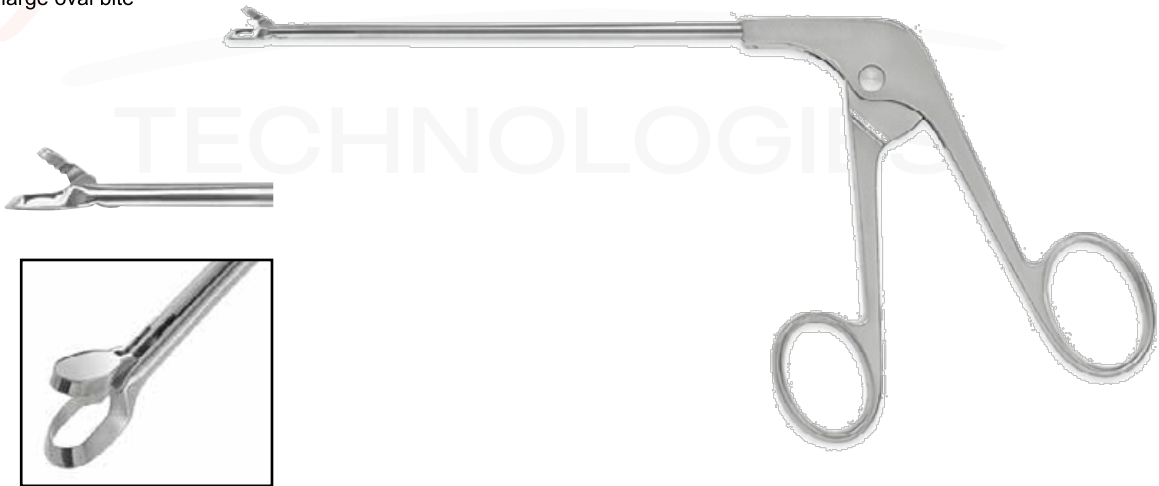


Hook Scissors straight

ZA 225-800-472

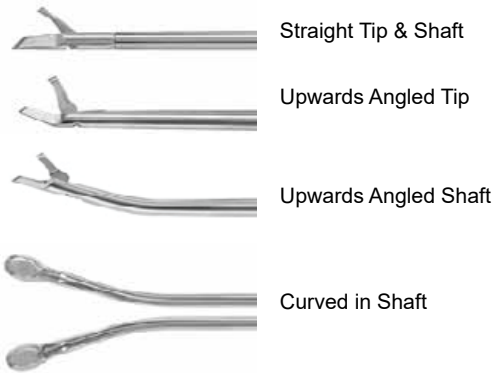
Oval Punch

- Low profile large oval bite



Oval Punch straight

	Jaws	Width
ZA 225-800-202	Straight	4.4mm
ZA 225-800-205	Up biter	4.4mm
ZA 225-800-211	Up curved shaft	4.4mm
ZA 225-800-213	Left curved shaft	4.4mm
ZA 225-800-215	Right curved shaft	4.4mm





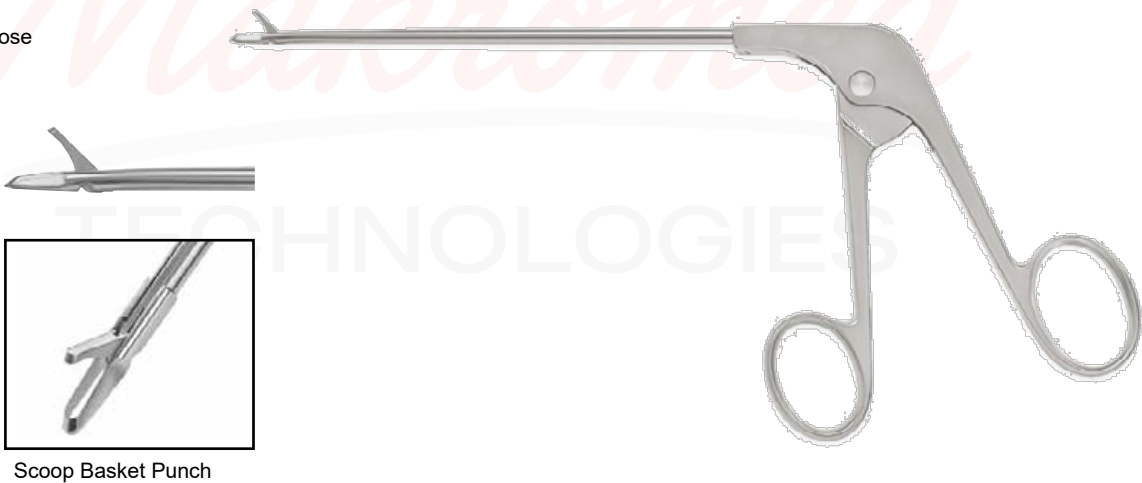
Arthroscopy Punches

Back Biter Punches



Scoop Basket Punch

- Short blunt nose



Jaws	Width	
ZA 225-800-802	Straight	1mm
ZA 225-800-813	Shaft curved left	1.3mm
ZA 225-800-815	Shaft curved right	1.3mm



Straight Tip & Shaft
Curved in Shaft

Arthroscopy Grasping Forceps



Grasping Forceps

- With slide lock



Shark Grasping Forceps

ZA 225-800-820

1x2 interlocking teeth



Alligator Grasping Forceps

ZA 225-800-825

Multiple bacMAard teeth



Cupped Grasper

ZA 225-800-833

Cupped serrated jaw 3.3mm



Heavy Alligator Grasping Forceps

ZA 225-800-835

Larger jaw with multiple teeth

Plastic Sterilising Container

- For 8 Arthroscopy instruments

ZA 600-513-000



Micro Fracture Chondro-Picks

Mercian offers a complete set of Micro Fracture Chondro-Picks for treatment of cartilage defects on large and medium joints.

- All instruments feature an ergonomic carbon fibre handle with impact protection for use with the specially designed mallet.
- 5 different tip angles give the surgeon full flexibility in Micro Fracture surgery.
- Hardened stainless steel ensures a long life-time of each Pick.



Slim shaft pattern 4mmØ



Regular shaft 6mmØ

	Slim Shaft 4mmØ	Shaft 6mmØ
	Chondro-Pick Straight ZA 225-600-200S	Chondro-Pick Straight ZA 225-600-200
	Chondro-Pick 25° ZA 225-600-225S	Chondro-Pick 25° ZA 225-600-225
	Chondro-Pick 40° ZA 225-600-240S	Chondro-Pick 40° ZA 225-600-240
	Chondro-Pick 60° ZA 225-600-260S	Chondro-Pick 60° ZA 225-600-260
	Chondro-Pick 90° ZA 225-600-290S	Chondro-Pick 90° ZA 225-600-290

Arthroscopic Blunt Hook

- 24cm/10" length
- Graduated tip

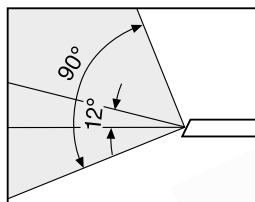


Hook Probe

- 24cm/10" length
- Graduated tip
- 2.5mm tip



TECHNOLOGIES



30°



Stryker Compatible Arthroscope 4mm Ø

- 140mm working length
- 30° angle of view

ZA 225-740-030



High Flow Operating Sheath 6mm Ø

- Stryker locking mechanism
- 2 rotating stopcocks

ZA 225-570-260



Blunt Obturator 6mm Ø

ZA 225-570-560

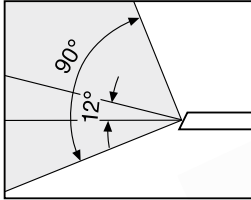


Semi-Sharp Obturator 6mm Ø

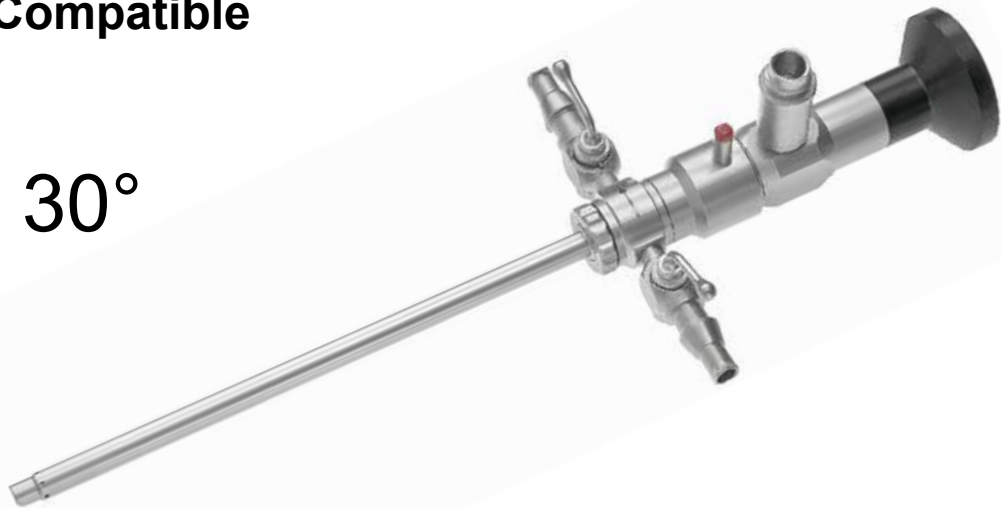
ZA 225-570-760



Dyonics™ Compatible



30°



Dyonics Compatible Arthroscope 4mm Ø

- 155mm working length
- 30° angle of view

ZA225-440-030



High Flow Operating Sheath 6mm Ø

- Stryker locking mechanism
- 2 rotating stopcocks

ZA225-540-260



Blunt Obturator 6mm Ø

ZA225-540-560

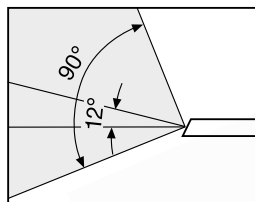


Sharp Obturator 6mm Ø

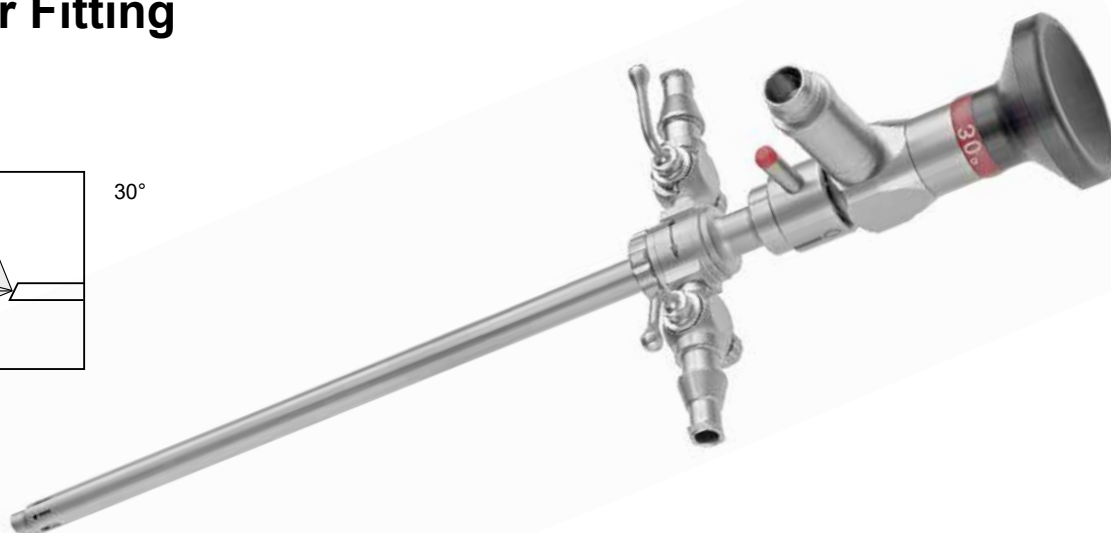
ZA225-540-760



Regular Fitting



30°



ZA 225-140-030



High Flow Operating Sheath 6mm Ø

- 2 stopcocks

ZA 225-500-260



Blunt Obturator 6mm Ø

ZA 225-500-560



Sharp Obturator 6mm Ø

ZA 225-500-660



Fibre Optic Light Lead

Code	Length	Diameter
ZA 250-035-180	1800mm	3.5mm Ø
ZA 250-035-230	2300mm	3.5mm Ø
ZA 250-035-300	3000mm	3.5mm Ø
ZA 250-048-180	1800mm	4.8mm Ø
ZA 250-048-230	2300mm	4.8mm Ø
ZA 250-048-300	3000mm	4.8mm Ø



Adaptors for Light Lead

Lightsource Fittings



Wolf

ZA 250-037-000



ACMI British Standard

ZA 250-038-000



Olympus - Standard

ZA 250-045-000



Mercian/Storz

ZA 250-039-000



Olympus

ZA 250-044-000



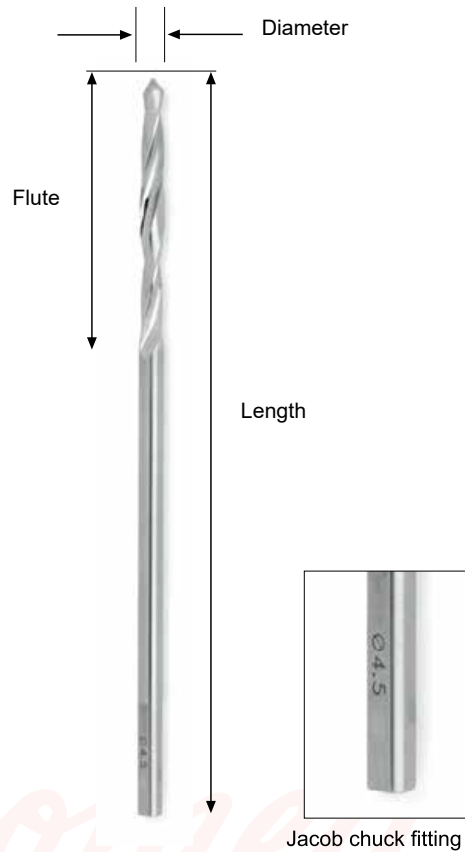
Retractor Fitting

ZA 250-042-000

Round Fitting Twist Drill

- Stainless steel
- Supplied sterile in boxes of 10

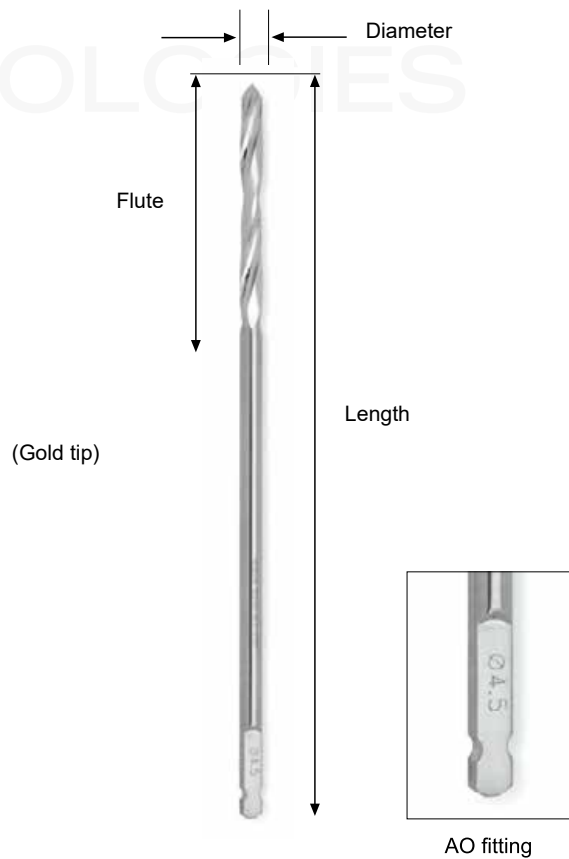
Code	Diameter	Length	Flute
ZA1045-11	1.1mm Ø	45mm	20mm
ZA1070-15	1.5mm Ø	70mm	30mm
ZA1085-20	2.0mm Ø	85mm	38mm
ZA1095-25	2.5mm Ø	95mm	43mm
ZA1195-25	2.5mm Ø	195mm	50mm
ZA1130-32	3.2mm Ø	130mm	40mm
ZA1095-35	3.5mm Ø	95mm	42mm
ZA1130-45	4.5mm Ø	130mm	55mm



AO Fitting Twist Drill

- Stainless steel
- Supplied sterile in boxes of 10

Code	Diameter	Length	Flute
ZA2060-11	1.1mm Ø	60mm	12mm
ZA2085-15	1.5mm Ø	85mm	18mm
ZA2100-20	2.0mm Ø	100mm	20mm
ZA2110-20	2.0mm Ø	110mm	32mm
ZA2110-25	2.5mm Ø	110mm	32mm
ZA2110-25G	2.5mm Ø	110mm	32mm
ZA2100-27	2.7mm Ø	100mm	30mm
ZA2150-27	2.7mm Ø	150mm	50mm
ZA2145-32	3.2mm Ø	145mm	43mm
ZA2195-32	3.2mm Ø	195mm	50mm
ZA2110-35	3.5mm Ø	110mm	40mm
ZA2195-35	3.5mm Ø	195mm	50mm
ZA2145-45	4.5mm Ø	145mm	50mm
ZA2195-45	4.5mm Ø	195mm	50mm



- Stainless steel
- Supplied sterile in boxes of 10

Single Ended	75mm/3"	100mm/4"	125mm/5"	150mm/6"
Ø 0.8mm	ZA6075 - 08	ZA6100 - 08	ZA6125 - 08	ZA6150 - 08
Ø 0.9mm	ZA6075 - 09	ZA6100 - 09	ZA6125 - 09	ZA6150 - 09
Ø 1.0mm	ZA6075 - 10	ZA6100 - 10	ZA6125 - 10	ZA6150 - 10
Ø 1.1mm	ZA6075 - 11	ZA6100 - 11	ZA6125 - 11	ZA6150 - 11
Ø 1.2mm	ZA6075 - 12	ZA6100 - 12	ZA6125 - 12	ZA6150 - 12
Ø 1.3mm	ZA6075 - 13	ZA6100 - 13	ZA6125 - 13	ZA6150 - 13
Ø 1.4mm	ZA6075 - 14	ZA6100 - 14	ZA6125 - 14	ZA6150 - 14
Ø 1.5mm	ZA6075 - 15	ZA6100 - 15	ZA6125 - 15	ZA6150 - 15
Ø 1.6mm	ZA6075 - 16	ZA6100 - 16	ZA6125 - 16	ZA6150 - 16
Ø 1.7mm	ZA6075 - 17	ZA6100 - 17	ZA6125 - 17	ZA6150 - 17
Ø 1.8mm	ZA6075 - 18	ZA6100 - 18	ZA6125 - 18	ZA6150 - 18
Ø 1.9mm	ZA6075 - 19	ZA6100 - 19	ZA6125 - 19	ZA6150 - 19
Ø 2.0mm	ZA6075 - 20	ZA6100 - 20	ZA6125 - 20	ZA6150 - 20
Ø 2.2mm	ZA6075 - 21	ZA6100 - 21	ZA6125 - 21	ZA6150 - 21
Ø 2.5mm	ZA6075 - 22	ZA6100 - 22	ZA6125 - 22	ZA6150 - 22

Double Ended	75mm/3"	100mm/4"	125mm/5"	150mm/6"
Ø 0.8mm	ZA7075 - 08	ZA7100 - 08	ZA7125 - 08	ZA7150 - 08
Ø 0.9mm	ZA7075 - 09	ZA7100 - 09	ZA7125 - 09	ZA7150 - 09
Ø 1.0mm	ZA7075 - 10	ZA7100 - 10	ZA7125 - 10	ZA7150 - 10
Ø 1.1mm	ZA7075 - 11	ZA7100 - 11	ZA7125 - 11	ZA7150 - 11
Ø 1.2mm	ZA7075 - 12	ZA7100 - 12	ZA7125 - 12	ZA7150 - 12
Ø 1.3mm	ZA7075 - 13	ZA7100 - 13	ZA7125 - 13	ZA7150 - 13
Ø 1.4mm	ZA7075 - 14	ZA7100 - 14	ZA7125 - 14	ZA7150 - 14
Ø 1.5mm	ZA7075 - 15	ZA7100 - 15	ZA7125 - 15	ZA7150 - 15
Ø 1.6mm	ZA7075 - 16	ZA7100 - 16	ZA7125 - 16	ZA7150 - 16
Ø 1.7mm	ZA7075 - 17	ZA7100 - 17	ZA7125 - 17	ZA7150 - 17
Ø 1.8mm	ZA7075 - 18	ZA7100 - 18	ZA7125 - 18	ZA7150 - 18
Ø 1.9mm	ZA7075 - 19	ZA7100 - 19	ZA7125 - 19	ZA7150 - 19
Ø 2.0mm	ZA7075 - 20	ZA7100 - 20	ZA7125 - 20	ZA7150 - 20
Ø 2.2mm	ZA7075 - 21	ZA7100 - 21	ZA7125 - 21	ZA7150 - 21
Ø 2.5mm	ZA7075 - 22	ZA7100 - 22	ZA7125 - 22	ZA7150 - 22

Threaded Pins

Steinmann Threaded Pins

- Stainless steel
- Trocar point
- Fully threaded
- Supplied sterile in boxes of 10

Single Ended

Ø 1.4mm
 Ø 1.6mm
 Ø 1.8mm
 Ø 2.0mm
 Ø 2.4mm
 Ø 2.8mm
 Ø 3.2mm

20cm/8"

ZA 8200-14FT
 ZA 8200-16FT
 ZA 8200-18FT
 ZA 8200-20FT
 ZA 8200-24FT
 ZA 8200-28FT
 ZA 8200-32FT

23cm/9"

ZA 8230-14FT
 ZA 8230-16FT
 ZA 8230-18FT
 ZA 8230-20FT
 ZA 8230-24FT
 ZA 8230-28FT
 ZA 8230-32FT

Double Ended

Ø 1.4mm
 Ø 1.6mm
 Ø 1.8mm
 Ø 2.0mm
 Ø 2.4mm
 Ø 2.8mm
 Ø 3.2mm

20cm/8"

ZA 9200-14FT
 ZA 9200-16FT
 ZA 9200-18FT
 ZA 9200-20FT
 ZA 9200-24FT
 ZA 9200-28FT
 ZA 9200-32FT

23cm/9"

ZA 9230-14FT
 ZA 9230-16FT
 ZA 9230-18FT
 ZA 9230-20FT
 ZA 9230-24FT
 ZA 9230-28FT
 ZA 9230-32FT

Denham Mid-Threaded Pins

- Stainless steel
- Trocar point/single ended
- Centrally threaded
- Supplied sterile in boxes of 5

18cm/7"

Ø 4.0mm
 Ø 4.5mm
 Ø 5.0mm

ZA 8180-40CT
 ZA 8180-45CT
 ZA 8180-50CT

20cm/8"

ZA 8200-40CT
 ZA 8200-45CT
 ZA 8200-50CT

23cm/9"

ZA 8230-40CT
 ZA 8230-45CT
 ZA 8230-50CT

SMO Steel Cerclage Wire

- Soft malleable wire
- Supplied in coils of 10m



Wire Ø mm Ø_{0.2mm}

- Ø 0.3mm
- Ø 0.4mm
- Ø 0.5mm
- Ø 0.6mm
- Ø 0.7mm
- Ø 0.8mm
- Ø 0.9mm
- Ø 1.0mm
- Ø 1.2mm
- Ø 1.5mm

Length 10m

- ZA 7600-02
- ZA 7600-03
- ZA 7600-04
- ZA 7600-05
- ZA 7600-06
- ZA 7600-07
- ZA 7600-08
- ZA 7600-09
- ZA 7600-10
- ZA 7600-12
- ZA 7600-15



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