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ORTHOPEDIC INSTRUMENTS

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2020 Complete Catalog

Catalog Index

HIP ..... 1 – 25

HIP & KNEE REVISION ..... 26 – 36

KNEE ..... 37 – 52

SHOULDER & ELBOW ..... 53 – 61

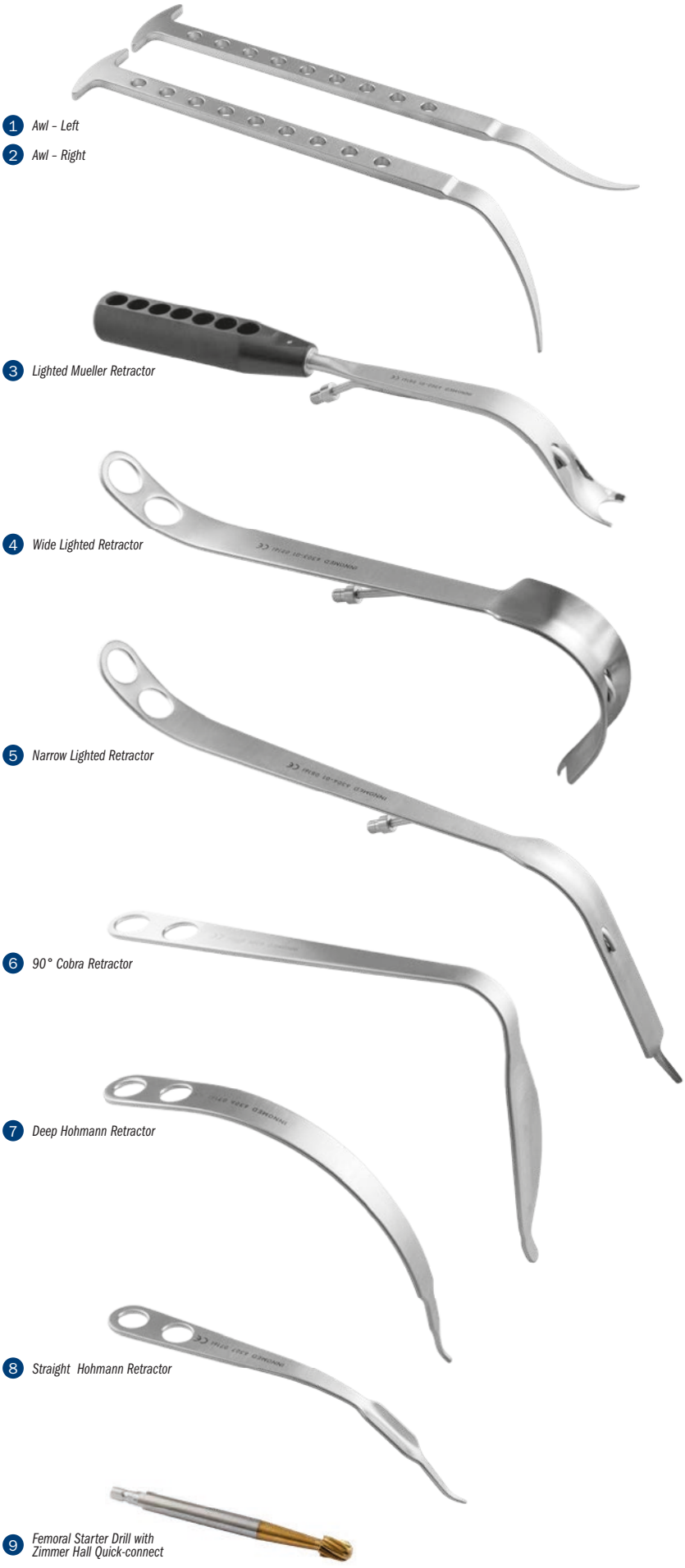
SMALL BONE & SPINE ..... 62 – 71

TRAUMA ..... 72 – 78

GENERAL ..... 79 – 83

Anterior Watson Jones Total Hip Arthroplasty System

Instrument system specifically designed for Direct Anterior approach THR



1 *Awl – Left*

2 *Awl – Right*

3 *Lighted Mueller Retractor*

4 *Wide Lighted Retractor*

5 *Narrow Lighted Retractor*

6 *90° Cobra Retractor*

7 *Deep Hohmann Retractor*

8 *Straight Hohmann Retractor*

9 *Femoral Starter Drill with Zimmer Hall Quick-connect*

PRODUCT NO'S:	
6300-00 [Complete Set]	
Available Individually:	
6301-L [Awl – Left] *Overall Length: 12.375" (31,5 cm)*	1
6301-R [Awl – Right] *Overall Length: 12.375" (31,5 cm)*	2
6302-01 [Lighted Mueller Retractor] *Blade Width: 27 mm* *Handle Length: 5.5" (14 cm)* *Overall Length: 12.75" (32,4 cm)*	3
6303-01 [Wide Lighted Retractor] *Blade Width: 40 mm* *Blade Tip Length: 17 mm* *Overall Length: 12.75" (32,4 cm)*	4
6304-01 [Narrow Lighted Retractor] *Blade Width: 26 mm* *Blade Tip Length: 23 mm* *Overall Length: 16.5" (41,9 cm)*	5
6305 [90° Cobra Retractor] *Blade at Widest: 37 mm* *Blade Depth: 7.5" (19,1 cm)* *Blade Prong: 18 mm Long X 10 mm Wide* *Overall Length: 12.5" (31,8 cm)* *Handle Length: 9.5" (24,1 cm)*	6
6306 [Deep Hohmann Retractor] *Blade Width: 17 mm* *Prong Length: 34 mm* *Overall Length: 9.25" (23,5 cm)*	7
6307 [Straight Hohmann Retractor] *Prong Length: 4,2 cm* *Overall Length: 9.5" (24,1 cm)*	8
6308 [Femoral Starter Drill] *Drill Tip Dimensions: 18 mm Long X 12 mm Diameter* *Overall Length: 6" (15,2 cm)* *Shaft Length: 5.25" (13,3 cm)*	9

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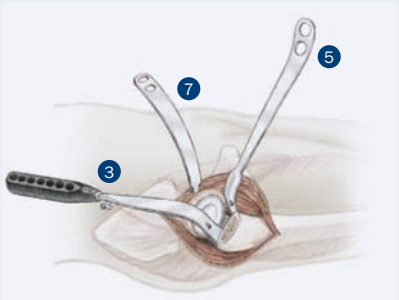
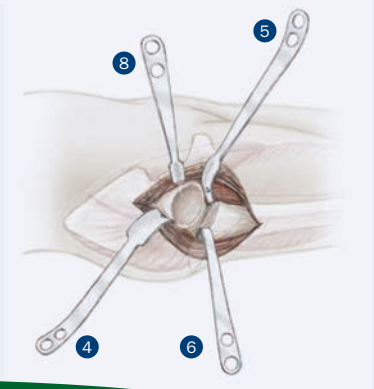
Lighted retractors can be attached to a fiber optic light cable with ACMI (female) connector and can be steam sterilized.

Optional quick-connect driver (**NOT INCLUDED IN RETRACTOR SET**) for use with the starter drill:

PRODUCT NO:
8248 [Fixed Driver with Zimmer Hall Quick-connect] *Overall Length: 5.75" (15,6 cm)* *Handle Width: 4.625" (11,6 cm)*





Jeffers Hip Retractor

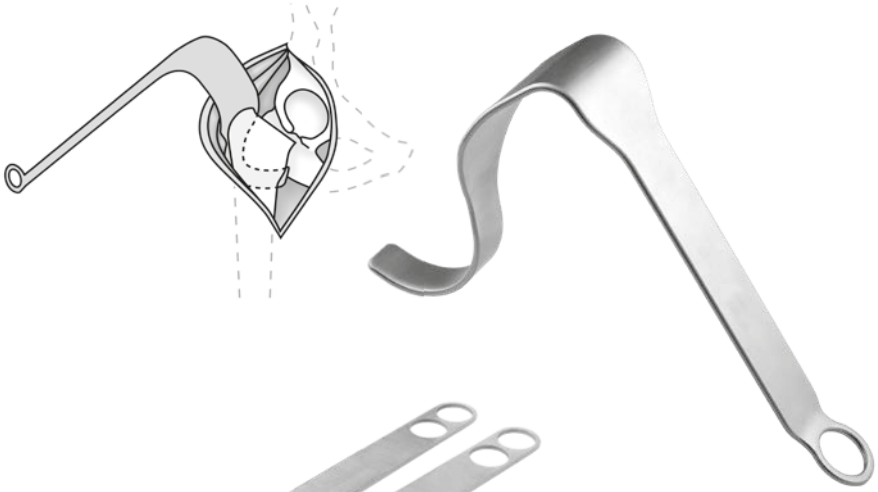
For use during the anterior approach, this retractor is designed to help protect the TFL from laceration during acetabular preparation in addition to maximizing exposure

Used with or without a weight, it is placed over the TFL and vastus lateralis and under the femur. The broad surface helps to gently retract the TFL and vastus away from the reamer path.

PRODUCT NO:
6384 *Overall Length: 9.5" (24,1 cm)* *Depth: 6.5" (16,5 cm)* *Blade Width at Top: 1.8" (4,6 cm)* *Blade Width at Bottom: .8" (2 cm)*

USA MADE

Designed by Andrew Jeffers, MD



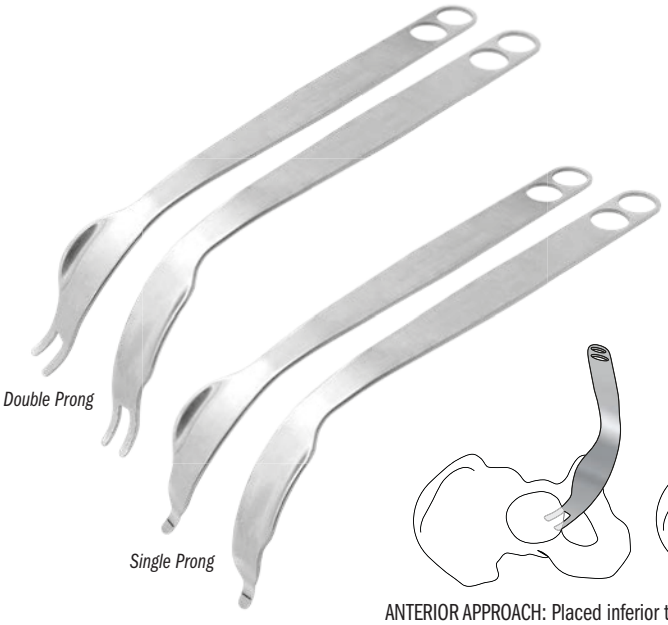
Flared Cobra Retractors – Left & Right

Left and right retractors can be used with the anterior, posterior or lateral approach to help expose the acetabulum in total hip surgery

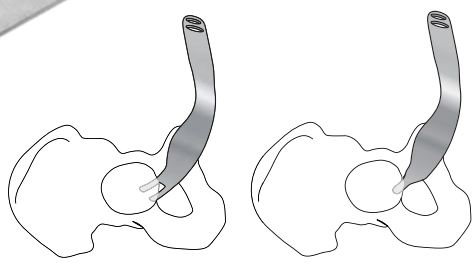
PRODUCT NO'S:
6110-01 [Double Prong – Right] *Overall Length: 15" (38 cm)*
6110-02 [Double Prong – Left] *Overall Length: 15" (38 cm)*
6109-L [Single Prong – Left] *Overall Length: 15" (38 cm)*
6109-R [Single Prong – Right] *Overall Length: 15" (38 cm)*

USA MADE

Designed by Henry Boucher, MD
Single prong design modification by Walter Frueh, MD



See page **19** *for posterior approach positioning*



ANTERIOR APPROACH: Placed inferior to the trans-acetabular ligament during exposure and preparation of the acetabular component. The curve and "twist" of the retractor allow for gentle retraction of the medial and inferior soft tissues and skin. Helps provide easier retraction for the assistant on the other side of the operating table.

Sinha Retractor for Acetabular Reaming

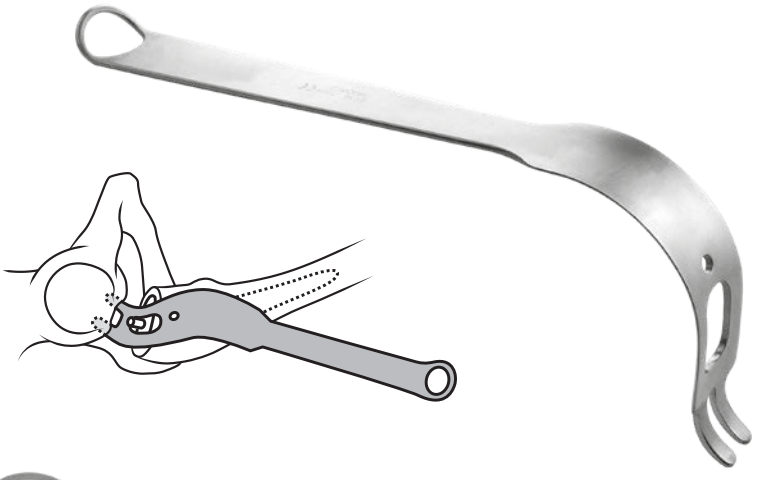
Designed to retract and protect the femur while preparing the acetabulum for reaming during antero-lateral approach total hip surgery

After the femur is prepared and the broach has been placed, the Sinha retractor is placed on the infero-lateral aspect of the acetabulum with the neck of the broach projecting through the large hole in the retractor blade. This serves to displace the femur posteriorly and to help protect the greater trochanter while acetabular reaming is conducted.

PRODUCT NO:
6174 *Overall Length: 12.5" (31,8 cm)* *Blade Width: 32 mm* *Hole: 18 mm W x 33 mm H*

USA MADE

Design modification by Ajoy K. Sinha, MD



Alvi Modified Hohmann Retractor

Designed for use during minimally invasive anterior hip replacement surgery, the retractor is placed through the capsule, into the femoral head, allowing for retraction of the rectus femoris

The extra bend in the handle allows the assistant to stand on the operative side of the table allowing for ease of handling of the retractor.

PRODUCT NO:
4549 *Overall Length: 8.75" (22,2 cm)* *Blade Width: .75" (19 mm)*

Designed by Hasham Alvi, MD

USA MADE

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Unger Anterior Total Hip Instruments

Universal system specifically designed for Direct Anterior approach THR

PRODUCT NO'S:	
1	3001 [Unger Wide Hohmann–Single Prong] *Blade Width: 44 mm* *Blade Depth: 5" (12,7 cm)* *Overall Length: 13.5" (34,3 cm)*
2	3008 [Unger Wide Hohmann–Double Prong] *Blade Width: 44 mm* *Blade Depth: 5" (12,7 cm)* *Overall Length: 13.5" (34,3 cm)*
3	3002 [Unger Narrow Hohmann] *Blade Width: 34 mm* *Blade Depth: 4" (10,2 cm)* *Overall Length: 13" (33 cm)*
4	3003 [Unger Blunt Narrow Cobra] *Blade Width: 34 mm* *Blade Width at Tip: 12 mm* *Blade Depth: 5.25" (13,3 cm)* *Overall Length: 14.5" (36,9 cm)*
5	3004 [Unger Canal Finder Rasp–Straight] *Overall Length: 11" (27,9 cm)* *Handle Length: 5" (12,7 cm)*
6	3004-01 [Unger Canal Finder Rasp–Curved] *Overall Length: 11" (27,9 cm)* *Handle Length: 5" (12,7 cm)*
6s	3004-02 [Unger Canal Finder Rasp–Curved with Smooth Proximal] *Overall Length: 11" (27,9 cm)* *Handle Length: 5" (12,7 cm)*
7	3005-R [Unger Box Osteotome–Right] *Overall Length: 12" (30,5 cm)*
8	3005-L [Unger Box Osteotome–Left] *Overall Length: 12" (30,5 cm)*
9	3006 [Unger Femoral Neck Elevator] *Blade Width at Widest: 25 mm* *Overall Length: 13" (33 cm)* *Handle Length: 9" (22,9 cm)*
10	3007 [Unger Soft Tissue Protector] *Blade Width: 50 mm* *Overall Length: 1.75" (4,4 cm)* *Handle Length: 10.125" (25,7 cm)*
11	3009-L [Unger Offset Narrow Hohmann–Left] *Blade Width: 34 mm* *Overall Depth: 4" (10,2 cm)* *Overall Length: 13" (33 cm)*
12	3009-R [Unger Offset Narrow Hohmann–Right] *Blade Width: 34 mm* *Overall Depth: 4" (10,2 cm)* *Overall Length: 13" (33 cm)*
Optional Instruments:	
13	3006-01 [Femoral Neck Elevator–Long Prong] *Blade Width at Widest: 25 mm* *Overall Length: 13.4" (34 cm)* *Handle Length: 9" (22,9 cm)*

Designed by Anthony Unger, MD

Dr. Unger's Surgical Technique available on our website.

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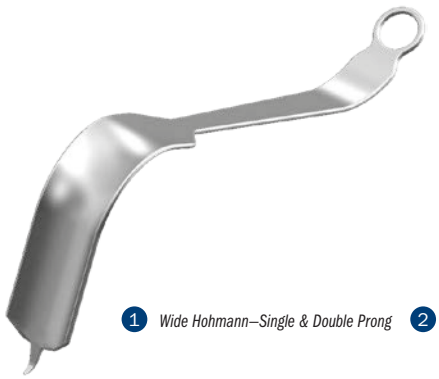


1 *Wide Hohmann–Single & Double Prong* 2

3 *Narrow Hohmann*

4 *Narrow Cobra*

5 *Canal Finder Rasp Straight*

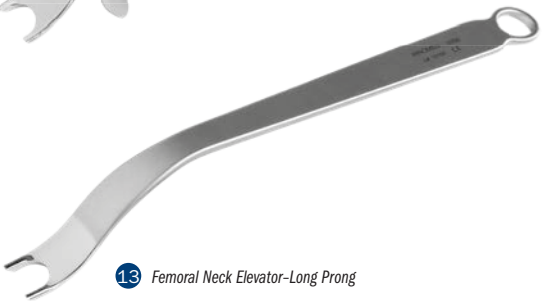
6s *Canal Finder Rasp–Curved with Smooth Proximal*

6 *Canal Finder Rasp–Curved*

7 8 *Box Osteotome*

9 *Femoral Neck Elevator*

10 *Soft Tissue Protector*



13 *Femoral Neck Elevator-Long Prong*

11 *Offset Narrow Hohmann–Right & Left* 12

Extension Set for Anterior THR Tables

Designed by David Ott, MD

Designed to add lift to the femoral hook at any point during an anterior THR case and be able to remove without breaking the sterile field

PRODUCT NO'S:
8004-00 [Set of One Each]
Also available individually:
8004-S [Short Extension] Extension Length: 2" (5,1 cm) Overall Length: 2.6" (6,6 cm)
8004-L [Long Extension] Extension Length: 3" (7,7 cm) Overall Length: 3.625" (9,2 cm)

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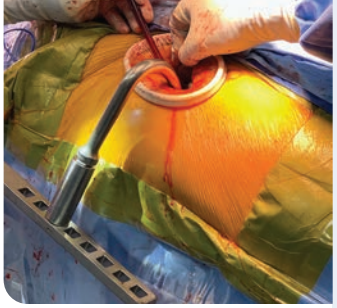


New!

Das Anterior Total Hip Instruments

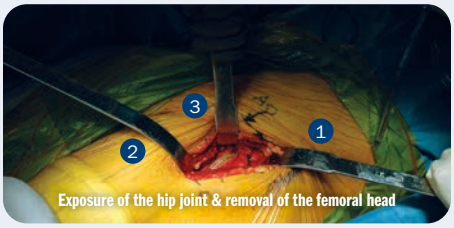
Retractor set with included table-mounted controlled-release ratcheting elevator hook, specifically designed to help simplify anterior approach total hip arthroplasty

USA MADE

Surgical technique available on our website.

PRODUCT NO'S:
1 6221 [#1 - Posterior Femoral Neck / Inferior Acetabular Rim Retractor] *Blade Width: 25 mm* *Blade Depth: 3" (7,6 cm)* *Overall Length: 14" (35,6 cm)*
2 6222 [#2 - Anterior Femoral Neck / Anteromedial Rim Retractor] *Blade Width: 31.5 mm, 10 mm @ Tip* *Blade Depth: 4.5" (10,2 cm)* *Overall Length: 15" (38,1 cm)*
3 6223 [#3 - Anterolateral Acetabular Rim Retractor] *Blade Width: 18 mm* *Blade Depth: 3.25" (8,3 cm)* *Overall Length: 10" (25,4 cm)*
4 6226-TA [#4 - Table Mounted Hook Hoist] ***This product number includes one 6226-RH Elevator Hook*** *Folds to approx: 21" x 5" x 5" (53,4 cm x 12,7 cm x 12,7 cm)*
5 6226-RH [#5 - Proximal Femoral Hook] *Blade Depth from T-Handle: 7.5" (19,1 cm)* *Overall Length: 9.25" (23,5 cm)*
6 6227 [#6 - Femoral Calcar Retractor] *Blade Width: 25 mm* *Blade Depth: 2" (5,1 cm)* *Overall Length: 14.5" (36,9 cm)*
7 6225 [#7 - Greater Trochanteric Retractor] *Blade Width: 25 mm* *Blade Depth: 1.5" (3,8 cm)* *Overall Length: 14.875" (37,8 cm)*
Optional Instruments:
6226-EH [Flat Proximal Femoral Hook] *Blade Depth from T-Handle: 7.5" (19,1 cm)* *Overall Length: 9.25" (23,5 cm)*

Designed by Amal Das, MD and Brian Seng, DO



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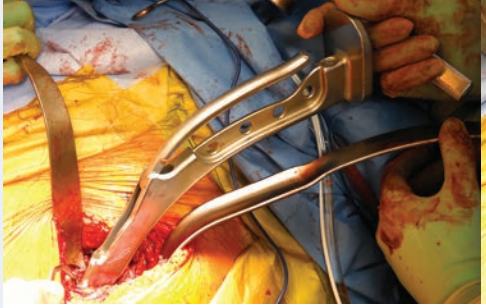

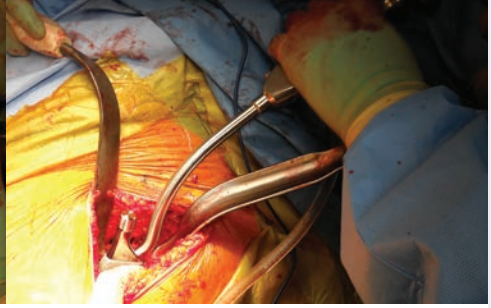

Bozeman Direct Anterior THA Femoral Elevator

Designed to elevate the femur anteriorly, providing exposure to allow broaching of the femoral canal and final placement of the femoral component, during direct anterior approach THA

Helps to retract the TFL muscle out of the way, and provides surface area for the fulcrum effect, helping to reduce pressure on the muscle. Narrow design is helpful in minimally invasive surgery.

The flared end joins the prongs to help maintain soft tissue retraction away from the broach teeth, while the two prong design helps placement lateral to the tip of the greater trochanter and elevates the femur.

PRODUCT NO'S:
6144 [Small] *Overall Length: 11.5" (29,2 cm)* *Blade Neck Width: 26.1 mm* *Blade Flared End Width: 30.1 mm*
6146 [Medium] *Overall Length: 13.5" (34,3 cm)* *Blade Neck Width: 29.8 mm* *Blade Flared End Width: 34.7 mm*
6145 [Large] *Overall Length: 15.5" (39,4 cm)* *Blade Neck Width: 33.6 mm* *Blade Flared End Width: 39.3 mm*

Designed by Daniel M. Gannon, MD

USA MADE

O'Reilly Dual Handle Direct Anterior Retractor

Designed for use over the anterior pelvic rim during acetabular exposure in direct anterior THA, the dual handle design allows for use in both right and left hips, as well as easy exchange of the instrument between assistants

Can be used in MIS/Direct Anterior, Total Hip Arthroplasty, Posterior/Anterolateral THA, and Hemiarthroplasty.

PRODUCT NO:
3011 *Overall Length: 13.25" (33,7 cm)* *Blade Depth: 4.25" (10,8 cm)* *Blade Width: 1" (2,5 cm)*

Designed by Michael P. O'Reilly, MD

USA MADE

O'Reilly Direct Access Anterior Broaching Retractor

Designed for use in obtaining improved proximal exposure for femoral canal preparation during minimally invasive direct anterior THA

- Lateral flange protects the muscle of tensor fascia lata and soft tissues during insertion and removal of femoral broaching instruments
- Narrow tip for deep placement posterior to the femoral neck, anterior to the greater trochanter
- Rotation of the retractor handle helps keep the instrument against the patient and out of the surgeon's line of sight

PRODUCT NO'S:	Designed by Michael P. O'Reilly, MD
4698-L [Left] *Overall Length: 9.5" (24,1 cm)* *Blade Width: 57 mm*	4698-R [Right] *Overall Length: 9.5" (24,1 cm)* *Blade Width: 57 mm*

USA MADE

Duke Inferior Retractors with Extra Grip Tip – Left & Right

An inferior acetabular retractor designed for total hip arthroplasty while prepping the acetabulum

USA MADE

PRODUCT NO'S:	
7621-01 [Left] *Overall Length: 10.25" (26 cm)* *Handle Length: 5" (12,7 cm)* *Depth: 7.5" (19,1 cm)* *Blade Length: 2.75" (7 cm)* *Blade Width: 1.125" (2,9 cm)* *Prong Length: 1" (2,5 cm)* *Prong Width: 6 mm*	7621-02 [Right] *Overall Length: 10.25" (26 cm)* *Handle Length: 5" (12,7 cm)* *Depth: 7.5" (19,1 cm)* *Blade Length: 2.75" (7 cm)* *Blade Width: 1.125" (2,9 cm)* *Prong Length: 1" (2,5 cm)* *Prong Width: 6 mm*

Designed by Justin Duke, MD

Modified Anterior Hip Retractor

Designed to provide exposure of the proximal femur

USA MADE

PRODUCT NO:	
6421 [Narrow Tip] *Overall Length: 15.75" (40 cm)* *Blade Width: 1.15" (3 cm)*	
6422 [Wide Tip] *Overall Length: 15.75" (40 cm)* *Blade Width: 1.15" (3 cm)*	

Posterior Acetabular Retractor

A posterior acetabular retractor designed for total hip arthroplasty while prepping the acetabulum

PRODUCT NO:
6224 *Blade Width: 25 mm* *Blade Depth: 2.75" (7 cm)* *Overall Length: 14" (35,6 cm)*

Designed by Amal Das, MD and Brian Seng, DO

USA MADE

Modified Anterolateral Retractor Set

Used for anterior MIS hip surgery

PRODUCT NO'S:
6161-00 [Modified Anterolateral Retractor Set] ***Set includes: (2) 6162, (1) 6163, (1) 6164***
Also available individually:
6162 [Modified Deep Hohmann Retractor – A] ***(2) included in set, (1) only with this product number*** *Overall Length: 14.5" (36,9 cm)* *Blade Width: 25 mm*
6163 [Modified Small Hohmann Retractor – B] *Overall Length: 8.5" (21,6 cm)* *Blade Width: 18 mm*
6164 [Modified Mueller Retractor – C] *Overall Length: 15.25" (38,8 cm)* *Blade Width: 25 mm*

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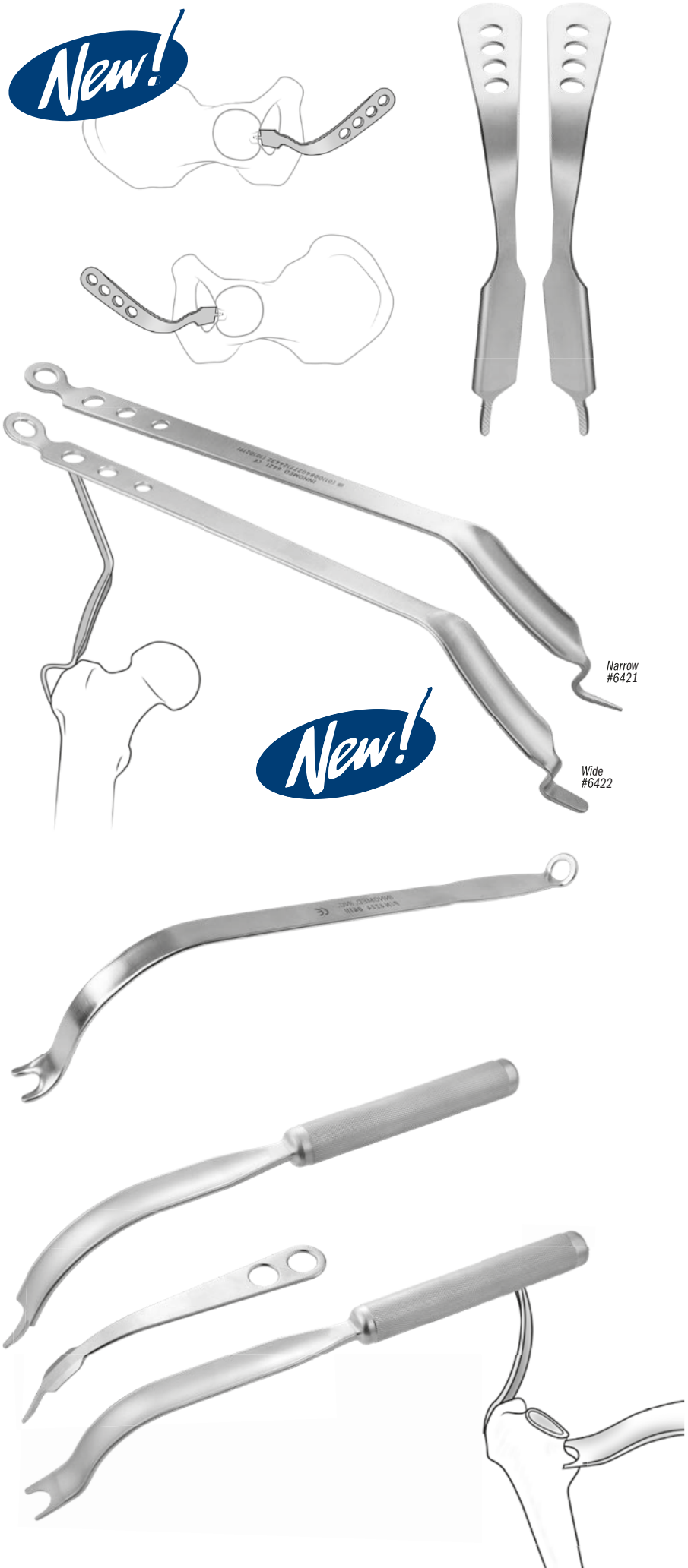
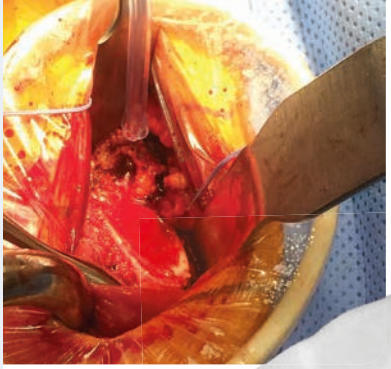
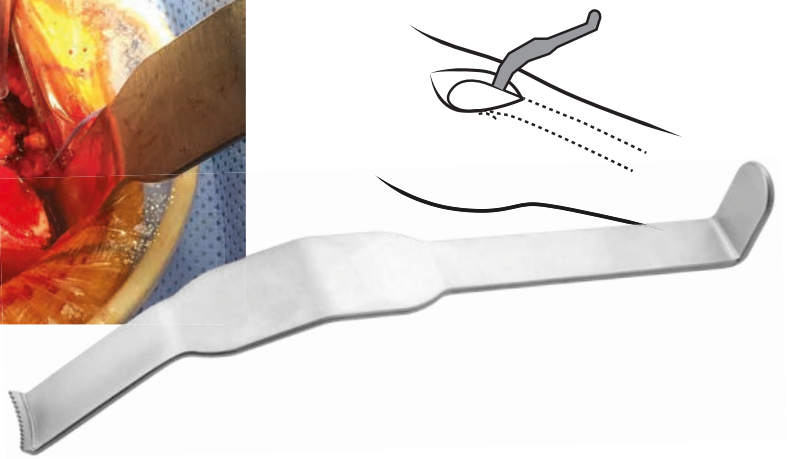






Hope Direct Anterior Femoral Retractor

Designed to aid in exposure of the calcar femorale for proximal femoral exposure and broaching

PRODUCT NO:
5838 *Overall Length: 11" (27,9 cm)* *Blade Width: 1" (2,54 cm)*

Designed by Charles A. Hope, MD

USA MADE

Hur Modified Mueller-type Femoral Neck Elevator

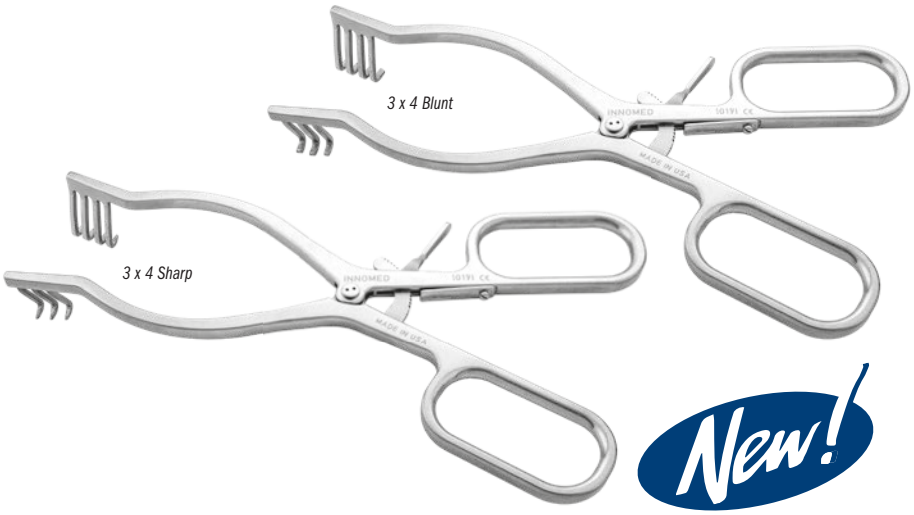
Designed for the anterior approach to help expose the femoral calcar during broaching

The modified Mueller-type design non-forked end helps reduce stress risers and fractures.

PRODUCT NO:
3416 *Overall Length: 13" (33 cm)* *Handle Length: 6.5" (16,5 cm)* *Blade Width at Widest: 1.25" (31,7 mm)*

USA MADE

Wide blade design modification by John Hur, MD



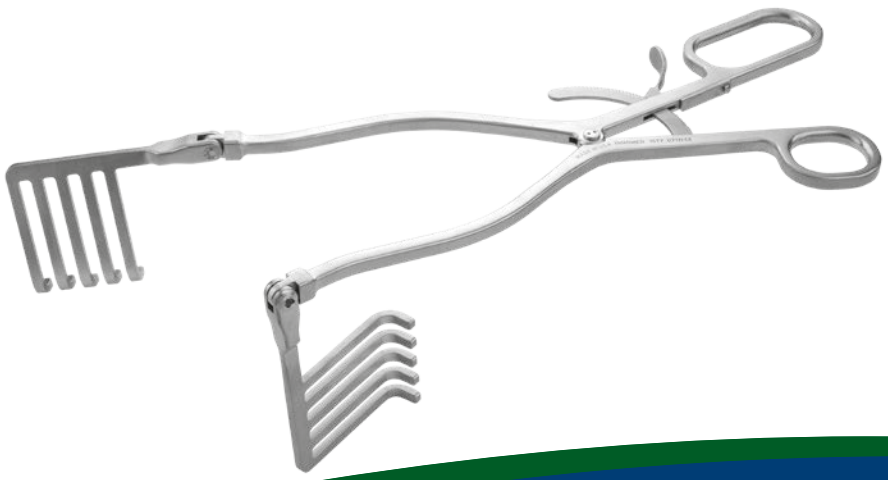
Whelan Large Anterior Hip Weitlaner Retractor

Designed for self-retaining exposure during anterior approach THA

PRODUCT NO'S:
1576-B [Blunt] *Overall Length: 9" (22,9 cm)* *Blade Depth: 1" (2,54 cm)*
1576-S [Sharp] *Overall Length: 9" (22,9 cm)* *Blade Depth: 1" (2,54 cm)*

USA MADE

Designed by Edward J. Whelan III, MD



Alvi Beckman Self-Retaining Retractor

Designed for direct anterior approach hip arthroplasty, the wide, blunt and curved teeth help provide for better self-retaining retraction during dissection through the superficial and deep tissue planes to expose the hip joint

PRODUCT NO:
1577 *Overall Length: 13" (33 cm)* *Length to Bend: 9.625" (24,4 cm)* *Depth when Full Bent: 3.125" (7,9 cm)*

Designed by Hasham Alvi, MD

USA MADE

Wixson Anterior Suspension Hook System

Designed for use with a standard operating room table, helps to facilitate elevation of the proximal femur during direct anterior approach THR

The system consists of:

1) A ***rotating clamp*** that can be attached to the operating table side rails over the drapes.
2) A ***vertical bar*** that fits into the clamp and comes above the side of the table.
3) A ***horizontal attachment*** that fits over the vertical bar and can swing over the wound.
4) A threaded ***tightening rod*** that inserts through a slot in the arm of the horizontal attachment and can be used to bring up the proximal femur.
5) A large ***offset femoral hook*** that can be placed above the lesser trochanter and around the posterior femoral neck and trochanter base. The handle of the hook has a chain to attach to the threaded tightening rod coming through the horizontal arm.

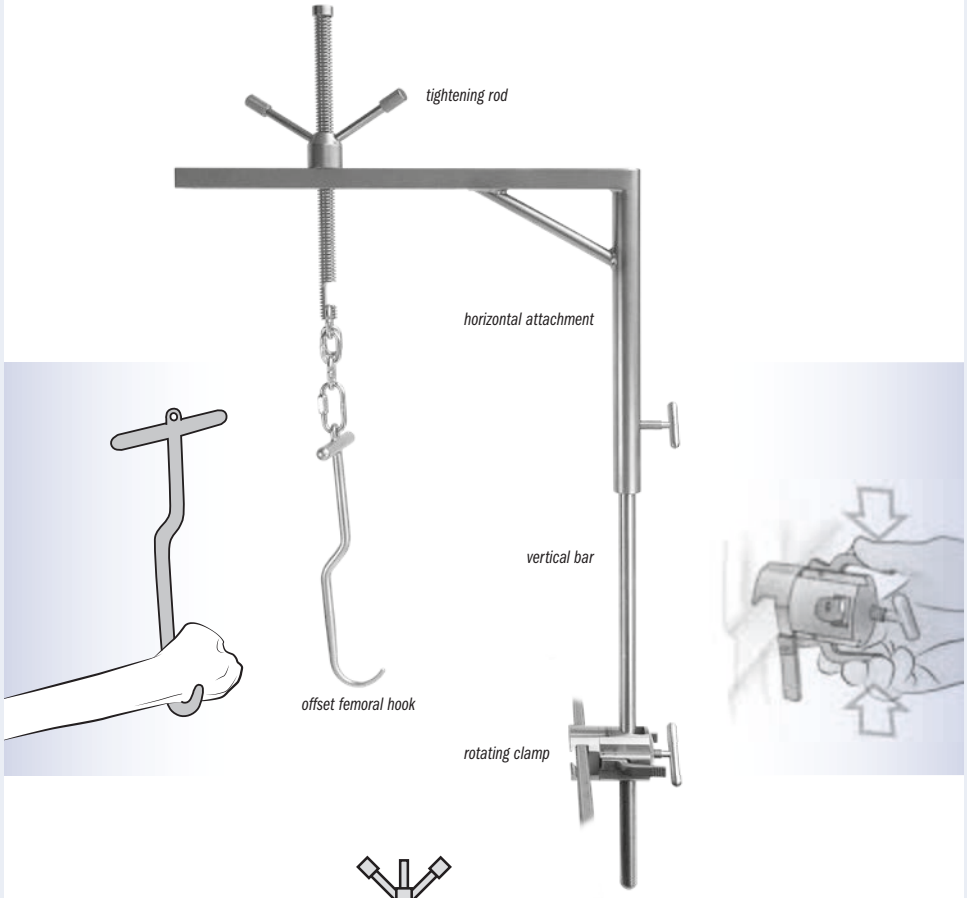
Used for femoral preparation after the acetabular component has been implanted

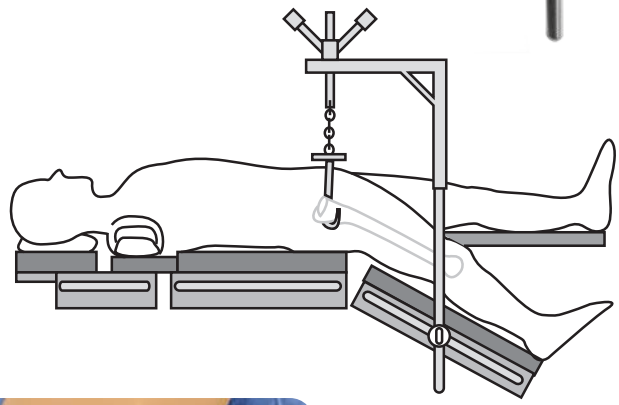
PRODUCT NO'S:
6245-00 [Complete Unit]
Replacement Parts:
6245-01 [Horizontal Attachment]
6245-02 [Tightening Rod]
6245-03 [Vertical Bar]
6245-04 [T-handle Bolt]
6245-05 [Offset Femoral Hook]
9125 [Rotating Table Clamp]

Compete unit includes: Tightening rod, horizontal attachment, vertical bar, T-handle bolt, offset femoral hook, and rotating table clamp

Designed by Richard L. Wixson, MD

USA MADE





Alvi Small Charnley Style Locking Frame Set

A self-retaining frame and retractor system designed for use during anterior total hip arthroplasty, the blades help retract the hip capsule and musculature, permitting an unobstructed view of the acetabulum while freeing an assistant

PRODUCT NO'S:
7425-00 [Set]
Also available individually:
7425-01 [Small Locking Frame] *Dimensions: 9" x 7" (22,9 cm x 17,8 cm)*
7425-02 [2" Tapered Blade] *Blade Depth: 2" (5,1 cm)* *Handle Length: 7" (17,8 cm)* *Blade Width: 1" (2,54 cm)*
7425-03 [3" Tapered Blade] *Blade Depth: 3" (7,6 cm)* *Handle Length: 7" (17,8 cm)* *Blade Width: 1" (2,54 cm)*
7425-04 [4" Tapered Blade] *Blade Depth: 4" (10,2 cm)* *Handle Length: 7" (17,8 cm)* *Blade Width: 1" (2,54 cm)*

Set comes with locking frame (7425-01) and one each of the three blade sizes: 2" (7425-02), 3" (7425-03), and 4" (7425-04)

Designed by Hasham Alvi, MD

USA MADE

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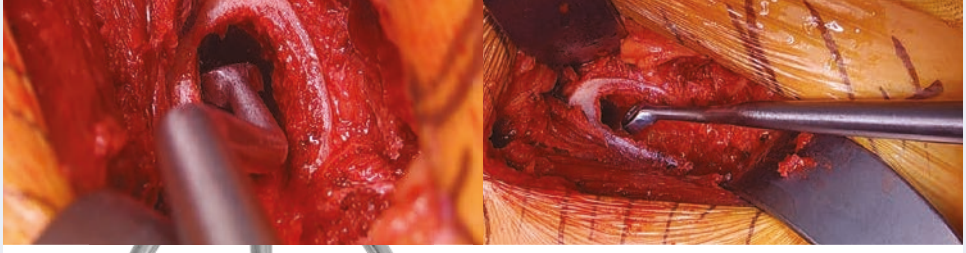


Powers Double Bent Curette Set

The bayonet curettes help allow for proper lateralization and seating of the broach

PRODUCT NO'S:
5190-00 [Set of Three]
Also available individually:
5190-L [Angled Left] *Overall Length: 16.875" (42,9 cm)* *Handle Length: 9" (22,9 cm)* *Shaft Length Before Bend: 5.25" (13,3 cm)* *Bend Offset: .5" (1,3 cm)* *Curette Cup Angle: 33°* *Curette Cup Inner Dimen.: 6 mm X 8,7 mm*
5190-R [Angled Right] *Overall Length: 16.875" (42,9 cm)* *Handle Length: 9" (22,9 cm)* *Shaft Length Before Bend: 5.25" (13,3 cm)* *Bend Offset: .5" (1,3 cm)* *Curette Cup Angle: 33°* *Curette Cup Inner Dimen.: 6 mm X 8,7 mm*
5190-S [Straight] *Overall Length: 17" (43,2 cm)* *Handle Length: 9" (22,9 cm)* *Shaft Length Before Bend: 5.25" (13,3 cm)* *Bend Offset: .5" (1,3 cm)* *Curette Cup Angle: 33°* *Curette Cup Inner Dimen.: 6 mm X 8,7 mm*

Designed by Mark Powers, MD

USA MADE

New!

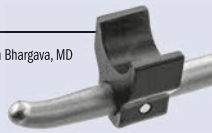
Bhargava DAA Femoral Stem Impactor

Helps allow for easier impaction of most femoral stems through the DAA approach – protects the trunion and helps allow for control of version during impaction

PRODUCT NO:
5308 *Overall Length: 10" (25,4 cm)*

Designed by Tarun Bhargava, MD

USA MADE



Powers Femoral Sounds

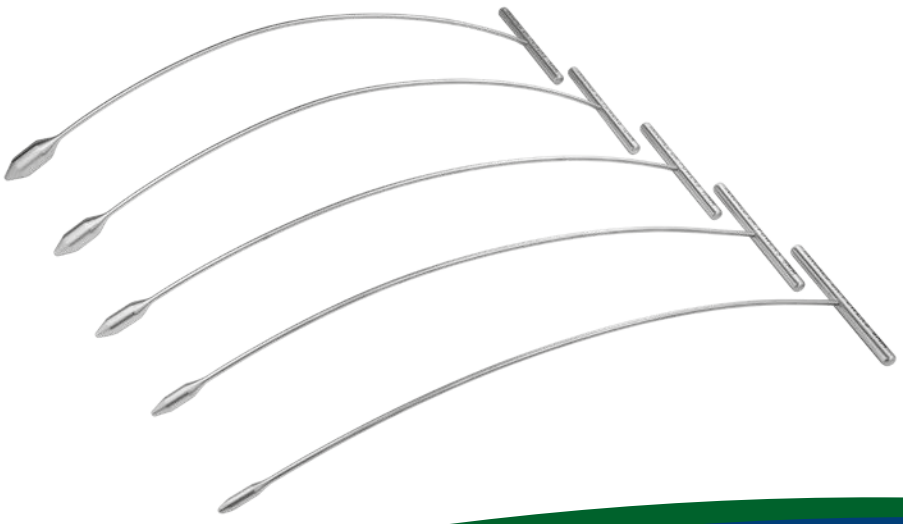
Allows the surgeon to gently identify the canal of a long bone as well as its width (isthmus) prior to inserting a device

Particularly useful for the anterior approach to the hip. Helps identify intraoperative occult fractures. Properly identifying the medullary canal before broaching helps minimize possible intraoperative fractures.

PRODUCT NO'S:
4189-00 [Set of 5]
Also available individually:
4189-06 [6 mm] *Overall Length: 14.25" (36,2 cm)* *Handle Length: 3.5" (8,9 cm)*
4189-08 [8 mm] *Overall Length: 14.25" (36,2 cm)* *Handle Length: 3.5" (8,9 cm)*
4189-10 [10 mm] *Overall Length: 14.25" (36,2 cm)* *Handle Length: 3.5" (8,9 cm)*
4189-12 [12 mm] *Overall Length: 14.25" (36,2 cm)* *Handle Length: 3.5" (8,9 cm)*
4189-14 [14 mm] *Overall Length: 14.25" (36,2 cm)* *Handle Length: 3.5" (8,9 cm)*

Designed by Mark Powers, MD

USA MADE



O'Reilly Femoral Head Extractor

Designed to help remove the femoral head– during THA, MIS Direct Anterior THA, and hip fracture surgery/hemiarthroplasty

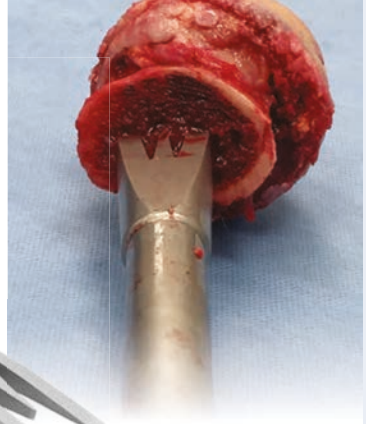
The perpendicular osteotome blades help provide purchase in osteoporotic bone, while the central osteotome provides a visual estimate of the instrument's depth of penetration to avoid acetabular injury with use during hemiarthroplasty.

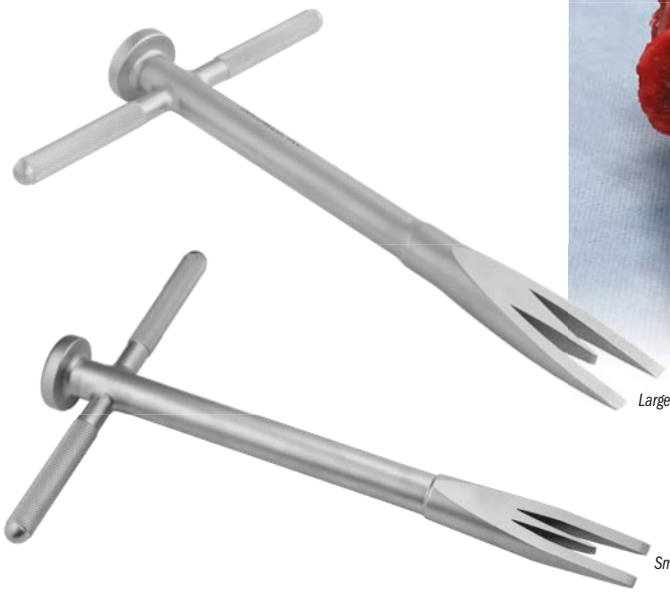
The handle helps obtain rotational torque needed to rotate and dislocate the femoral head in direct anterior hip arthroplasty.

PRODUCT NO'S:
3675 [Large] *Overall Length: 9.5" (24,1 cm)* *Hammer Platform Diameter: 1.125" (2,9 cm)* *Width at End: 1.1" (2,8 cm)*
3674 [Small] *Overall Length: 9.5" (24,1 cm)* *Hammer Platform Diameter: 1.125" (2,9 cm)* *Width at End: .75" (1,9 cm)*

USA MADE

Designed by Michael P. O'Reilly, MD
Small version designed modification by Tarum Bhargava, MD





Large

Small

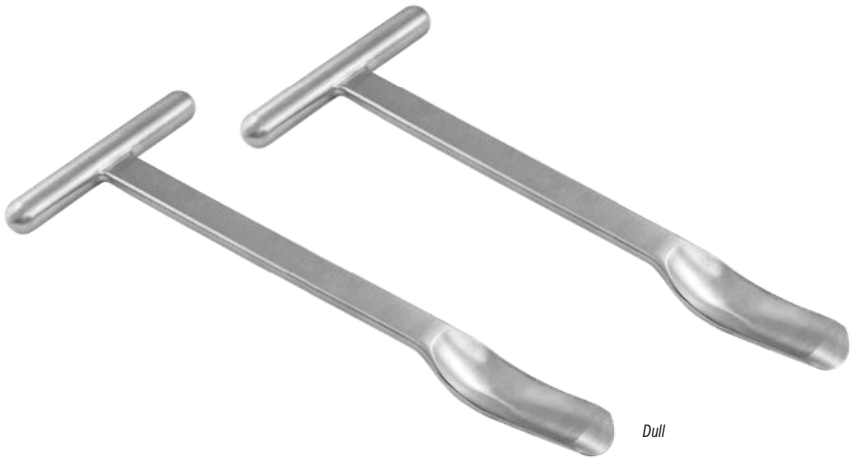
Huddleston Femoral Head Removers

Designed to help lever a femoral head out of the acetabulum in standard and anterior approach total hip replacement

PRODUCT NO'S:
3608 [Sharp] *Overall Length: 10.5" (26,7 cm)* *Scoop Length: 3" (7,6 cm)* *Scoop Width: 29 mm*
3609 [Dull] *Overall Length: 10.5" (26,7 cm)* *Scoop Length: 3" (7,6 cm)* *Scoop Width: 29 mm*

Designed by H. Dennis Huddleston, MD

USA MADE



Sharp

Dull

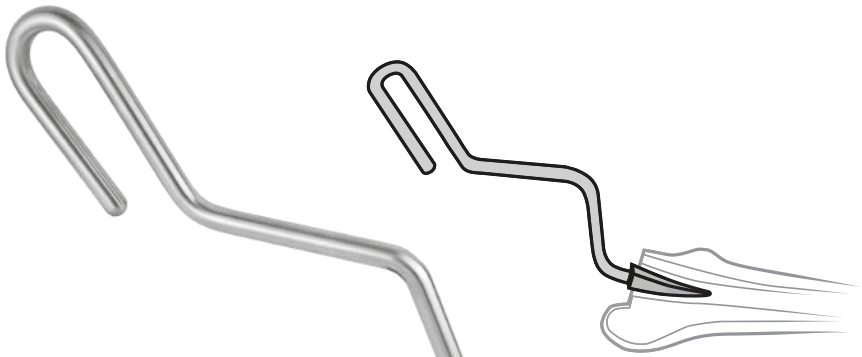
Kim Anterior Total Hip Awl

Designed to help avoid perforation of the femoral canal while helping to give an accurate assessment of canal orientation for trial broaching during anterior approach THA

PRODUCT NO:
8028 *Overall Length: 12" (30,5 cm)* *Blunt Reamer Length: 2" (5,1 cm)*

USA MADE

Designed by William C. Kim, MD



Wertz Anterior THA Femoral Elevator

Helps deliver the femur out of the incision during anterior total hip arthroplasty

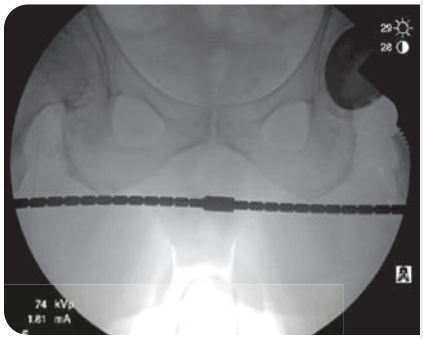
Inserted into the femoral canal for elevation, the knurled underside helps to reduce the chance of slippage.

PRODUCT NO:
6148 *Overall Length: 12.625" (32,1 cm)* *Blade Length: 3" (7,6 cm)*

Designed by Michael P. Wertz, MD

USA MADE

INNOMED



Anterior Hip Referencing Rod Assembly

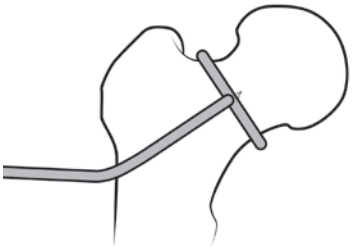
For use during intraoperative imaging while performing anterior hip arthroplasty to help determine implant fit, position, alignment and recreation of leg length and offset using the contralateral hip for reference

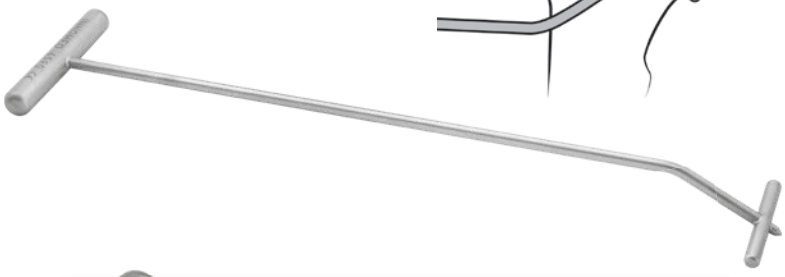
- Designed to be overlayed on the pelvis during the imaging part of the procedure to compare leg length and offset to the contra lateral hip using the trans teardrop or trans ischial line as reference
- Extended length allows the surgeons hands to remain outside of the imaging beam
- Notched in increments of 1 cm for ease of reference
- Features a threaded coupler midshaft to break down for processing and storage, allowing the unit to fit into a traditional tray

PRODUCT NO'S:
2674-00 [Complete Assembly] *Overall Length: 27.75" (70,5 cm)* *Rod Diameter: .25" (6,3 mm)*
2674-A [Top Assembly] *Overall Length: 16.75" (42,6 cm)* *Rod Diameter: .25" (6,3 mm)*
2674-B [Bottom Assembly] *Overall Length: 10.5" (26,7 cm)* *Rod Diameter: .25" (6,3 mm)*

USA MADE

Designed by Scott A. Foster, MD





Kenerly Femoral Neck Cutting Guide

Designed for use during the anterior approach for THA to help determine the femoral neck osteotomy location

The guide is placed on the femoral neck and adjusted using the intraoperative C-arm image to visualize and compare to the pre-op templating, providing an excellent location for the initial femoral neck osteotomy

PRODUCT NO:
4590 *Overall Length: 8.25" (21 cm)* *Handle Length: 1.9" (4,8 cm)* *Cutting Guide Bar Length: 1.22" (3,1 cm)* *End of Bar to Tip Length: 3.5 mm* *Shaft Angle at End: 30°* *Shaft Diamter .125" (3,2 mm)*

Designed by J. Lex Kenerly, III, MD

USA MADE

ORIGINAL
DR. ROCKOWITZ DESIGN
Topside Rasp
Rasp on curve topside and sides, smooth on underside

SMOOTH DESIGN
No rasp – smooth underside, sides, and topside

MODIFIED DESIGN
Underside Rasp
Rasp on curve underside and sides, smooth on topside

T-Handle Femoral Canal Finders

Designed to sound the femoral canal prior to stem broaching, especially useful to help start the broach path during the direct anterior approach

Rockowitz T-Handle Femoral Canal Finder Rasp

PRODUCT NO:
4990 *Overall Length: 9" (22,9 cm)* *Curved Rasp Portion: 4" (10,2 cm)*

Designed by Neal L. Rockowitz, MD

USA MADE

T-Handle Femoral Canal Finder – Smooth

PRODUCT NO:
4990-03 [Smooth] *Overall Length: 9.385" (24,4 cm)*

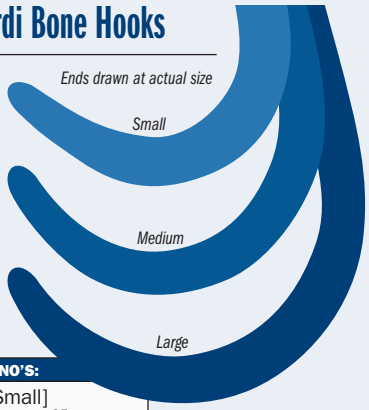
USA MADE

Modified T-Handle Femoral Canal Finder Rasp

PRODUCT NO:
4989 *Overall Length: 9" (22,9 cm)* *Curved Rasp Portion: 4" (10,2 cm)*

USA MADE

Lombardi Bone Hooks

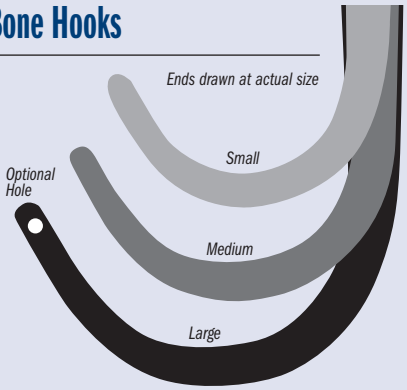


PRODUCT NO'S:
5925 [Small] *Curve Diameter: 25 mm* *Overall Length: 10" (25,4 cm)*
5930 [Medium] *Curve Diameter: 35 mm* *Overall Length: 10" (25,4 cm)*
5935 [Large] *Curve Diameter: 50 mm* *Overall Length: 10" (25,4 cm)*

Designed by Adolph V. Lombardi, MD

USA MADE

Bone Hooks



Designed for proximal femoral elevation in total hip replacement or in other surgery with a similar need for bone manipulation. The instrument has a blunt tip and a large handle to accommodate the use of two hands if desired.

PRODUCT NO'S:
5910 [Small] *Curve Diameter: 25 mm* *Overall Length: 12.75" (32,4 cm)* *Handle Length: 4.75" (12,1 cm)*
5915 [Medium] *Curve Diameter: 35 mm* *Overall Length: 12.75" (32,4 cm)* *Handle Length: 4.75" (12,1 cm)*
5920 [Large] *Curve Diameter: 50 mm* *Overall Length: 12.75" (32,4 cm)* *Handle Length: 4.75" (12,1 cm)*
5920-01 [Large w/Cable/Wire Hole] Designed by: R.L. Wixson, MD & J. McCarthy, MD *Cable/Wire Hole Diameter: 2 mm* *Curve Diameter: 50 mm* *Overall Length: 12.75" (32,4 cm)* *Handle Length: 4.75" (12,1 cm)*

Designed by R.L. Wixson, MD

USA MADE

Sarraf Coated Hip Dislocation Hook

Designed to aid in dislocating a femoral stem while helping to prevent damage to the trunion

Coated end helps to prevent from marring component surfaces. Can also be used as a bone hook, and for femoral elevation.

PRODUCT NO:
5905 *Curve Diamter: 50 mm* *Overall Length: 12.5" (31,8 cm)* *Handle Length: 4.75" (12,1 cm)*

Designed by Khaled M. Sarraf, MD

USA MADE

INNOMED

1 *Extra Deep Mueller-type Femoral Neck Elevator*

2 *Extra Deep Modified Hohmann*

3 *Extra Deep Long Narrow Blunt Hohmann*

4 *Extra Deep Modified Blunt Hohmann*

5 *Extra Deep Hohmann*

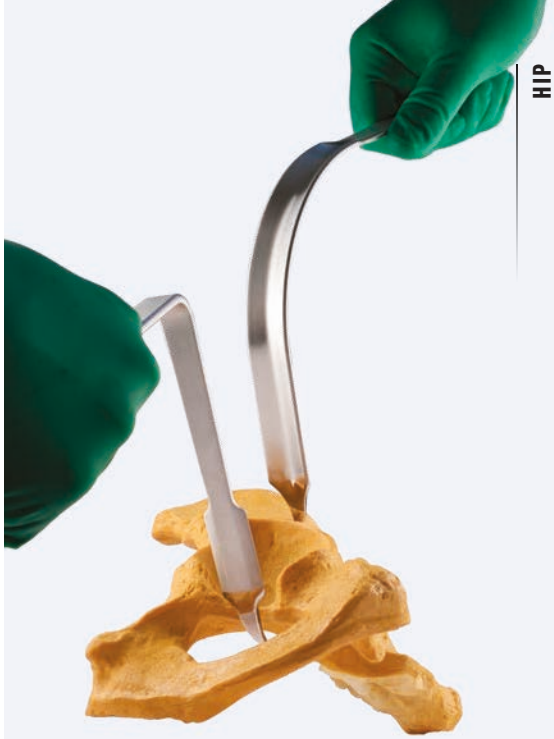
6 *Extra Deep Single Prong Soft Tissue*

7 *Extra Deep Single Prong Acetabular*

8 *Extra Deep Modified Wide Hohmann*

9 *Extra Deep Bent Hohmann*

10 *Extra Deep Large Cobra*



Extra Deep Hip Retractors

For hip surgery with large patients, and when extra large instruments are desired for increased depth and leverage

All Extra Deep retractors are 2" (5 cm) longer than their standard version.

USA MADE

PRODUCT NO'S:	
1	3418 [Extra Deep Mueller-type Femoral Neck Elevator] *Overall Length: 15.25" (38,8 cm)* *Handle Length: 6.5" (16,5 cm)* *Blade Width at Widest: 25 mm*
2	4535-01 [Extra Deep Modified Narrow Hohmann Retractor] *Overall Length: 11.5" (29,2 cm)* *Blade Width: 16.4 mm*
3	4540-01 [Extra Deep Long Narrow Blunt Hohmann Retractor] *Overall Length: 13.25" (33,7 cm)* *Blade Width: 22 mm* *Blade Width at End: 16 mm*
4	4550-01 [Extra Deep Modified Blunt Hohmann Retractor] *Overall Length: 13.25" (33,7 cm)* *Blade Width at End: 11 mm*
5	4558-01 [Extra Deep Hohmann Retractor] *Overall Length: 11.5" (29,2 cm)* *Blade Width: 16.7 mm*
6	6450-01 [Extra Deep Single Prong Soft Tissue Retractor] *Overall Length: 13.75" (34,9 cm)* *Blade Width: 22.3 mm*
7	6570-01 [Extra Deep Single Prong Acetabular Retractor] *Overall Length: 13.75" (34,9 cm)* *Blade Width: 22.3 mm*
8	6595-01 [Extra Deep Modified Wide Hohmann Retractor] *Overall Length: 11.5" (29,2 cm)* *Blade Width: 42.5 mm*
9	7115-03 [Extra Deep Bent Hohmann Retractor] *Overall Length: 12.125" (30,8 cm)* *Handle Length: 9.75" (24,8 cm)* *Depth from Bend: 6.25" (15,9 cm)* *Blade Width: 19 mm*
10	7630-03 [Extra Deep Large Cobra Retractor] *Overall Length: 19" (48,2 cm)* *Handle Length: 14" (35,6 cm)* *Blade Width at Widest: 33 mm*

Extra Deep Mueller-type Femoral Neck Elevator modified by Tom Eickmann, MD

Extra Large Hip Retractors

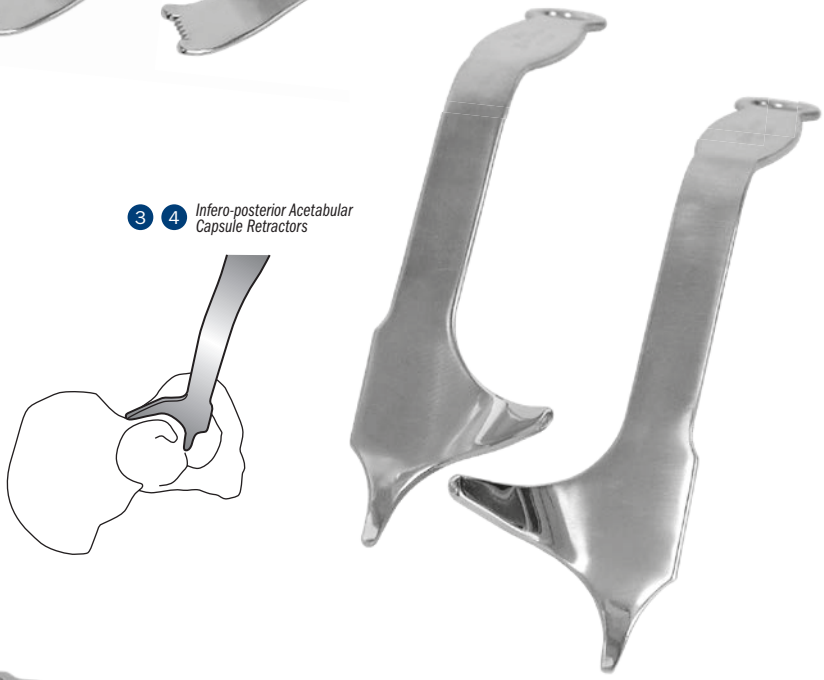
For hip surgery with large patients, and when extra large instruments are desired for increased leverage and depth

PRODUCT NO'S:	
1	7650 [Extra Leverage Femoral Neck Elevator – Standard] *Overall Length: 18.25" (46,4 cm)* *Handle Length: 9.25" (23,5 cm)* *Blade Width: 38 mm*
2	7650-02 [Extra Leverage Femoral Neck Elevator – Short Handle] *Overall Length: 15.25" (38,8 cm)* *Handle Length: 6.25" (15,9 cm)* *Blade Width: 38 mm*
3	7620-01 [Infero-posterior Acetabular Capsule Retractor – Right] *Overall Length: 12" (30,5 cm)* *Handle-to-Bend Length: 6" (15,2 cm)*
4	7620-02 [Infero-posterior Acetabular Capsule Retractor – Left] *Overall Length: 12" (30,5 cm)* *Handle-to-Bend Length: 6" (15,2 cm)*
5	7640 [Extra Leverage Proximal Femoral Elevator] *Overall Length: 17.5" (44,5 cm)* *Handle Length: 13" (33 cm)* *Blade Width at Widest: 63 mm*
6	7630-01 [Large Cobra Retractor – Standard] *Overall Length: 17.5" (44,5 cm)* *Handle Length: 14" (35,6 cm)*
7	7630-02 [Large Cobra Retractor – Wide] *Overall Length: 17.5" (44,5 cm)* *Handle Length: 14" (35,6 cm)*
8	7630-03 [Extra Deep Large Cobra Retractor] *Overall Length: 19" (48,3 cm)* *Handle Length: 14" (35,6 cm)* *Blade Width at Widest: 33 mm*

Designed by Wayne M. Goldstein, MD

USA MADE

1 2 *Extra Leverage Femoral Neck Elevators*



3 4 *Infero-posterior Acetabular Capsule Retractors*

5 *Extra Leverage Proximal Femoral Elevator*

6 7 8 *Large Cobra Retractors*

Standard Tip

Cross-Hatched Tip

Extra Deep Cobra Retractors

For use around the femur and acetabulum in larger patients

A full 2" (5 cm) longer in the wide cobra blade portion than our standard cobra retractor.

PRODUCT NO'S:
6133 [Standard Tip] *Overall Length: 12.75" (32,4 cm)* *Handle Length: 6.75" (17 cm)* *Blade Width at Widest: 33 mm*
6134 [Cross-Hatched Tip] *Overall Length: 12.75" (32,4 cm)* *Handle Length: 6.75" (17 cm)* *Blade Width at Widest: 33 mm*

USA MADE

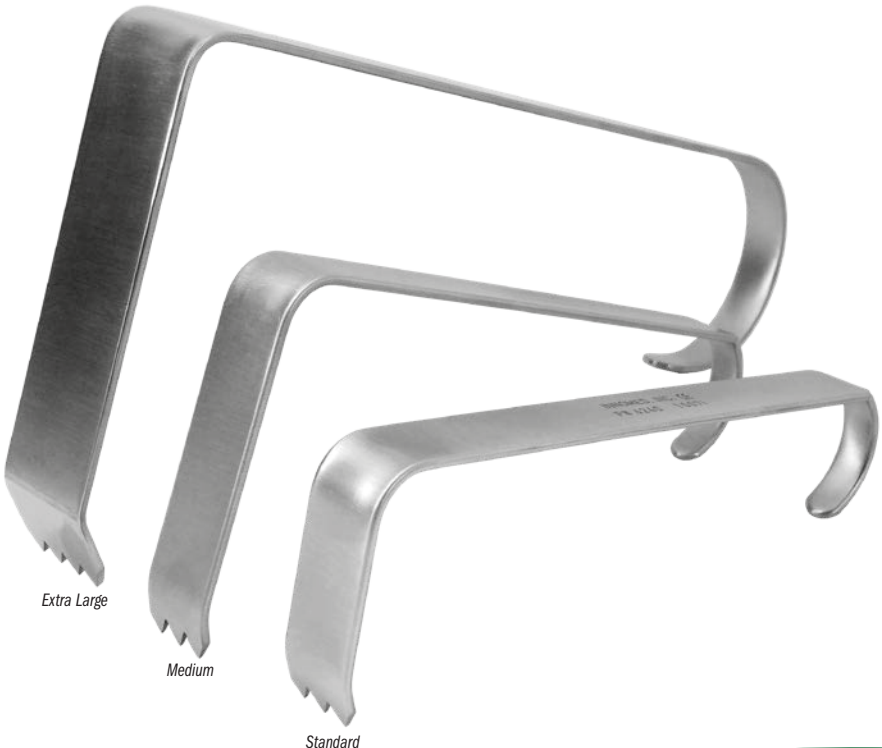
Large Curved Hibbs-style without Teeth Soft Tissue Retractor

The large, curved end is very useful with large patients

The right angle end was designed without teeth for easier holding while retracting, but can also be used as a blunt end retractor.

PRODUCT NO:
7180-01 *Overall Length: 8" (20,3 cm)* *Blade Width: 32 mm* *Blade Depth: 3.5" (8,9 cm)*

USA MADE



Extra Large

Medium

Standard

Hibbs Retractors

Designed for soft tissue retraction by either the toothed end or curved handle end

Extra large used in large patients when more leverage and depth is needed.

PRODUCT NO'S:
6230 [Extra Large] *Overall Length: 14.25" (36,2 cm)* *Handle Length: 13" (33 cm)* *Blade Depth: 6.5" (16,5 cm)* *Blade Width: 38 mm*
6235 [Medium] *Overall Length: 10.75" (27,3 cm)* *Handle Length: 9.75" (24,8 cm)* *Blade Depth: 4.5" (11,4 cm)* *Blade Width: 25 mm*
6240 [Standard] *Overall Length: 8.75" (22,5 cm)* *Handle Length: 8" (20,3 cm)* *Blade Depth: 3" (7,6 cm)* *Blade Width: 25 mm*

USA MADE

Retractors for Hip Surgery

For general use in hip surgery and minimally invasive hip surgery

USA MADE

A Single Prong Double Bent Hohmann Acetabular Retractor

PRODUCT NO'S:
6210 [Single Prong Double Bent Hohmann Acetabular Retractor 2.5" Blade] *Overall Length: 10.5" (26,7 cm)* *Blade + Tip Length: 2.5" (6,4 cm)* *Blade Width: 15 mm*
6212 [Single Prong Double Bent Hohmann Acetabular Retractor 3.5" Blade] *Overall Length: 11.25" (28,6 cm)* *Blade + Tip Length: 3.5" (8,9 cm)* *Blade Width: 15 mm*

A Single & Double Prong Double Bent Hohmann Acetabular Retractor – Long

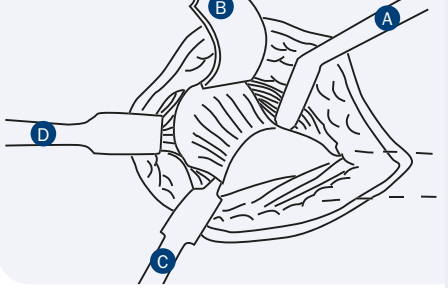
Non-Slip Tip design modification by Alfred A. Durham, MD

PRODUCT NO'S:
6210-02 [Single Prong Double Bent Hohmann Acetabular Retractor – Long 3" Blade] *Overall Length: 12.5" (31,8 cm)* *Blade + Tip Length: 3" (7,6 cm)* *Blade Width: 15 mm*
6210-02L-01 [Lighted Single Prong Std. Blade] *Overall Length: 12.5" (31,8 cm)* *Blade + Tip Length: 3" (7,6 cm)* *Blade Width: 15 mm*
6211 [Single Prong Standard Blade Long with Extra Grip Tip] *Overall Length: 12.5" (31,8 cm)* *Blade + Tip Length: 3" (76 mm)* *Blade Width: 15 mm*
6213 [Single Prong Double Bent Hohmann Acetabular Retractor – Long 5" Blade] *Overall Length: 15" (38,1 cm)* *Blade + Tip Length: 5" (12,7 cm)* *Blade Width: 15 mm*
6220 [Double Prong Double Bent Hohmann Acetabular Retractor – Long] *Overall Length: 12.5" (31,8 cm)* *Blade + Tip Length: 3" (7,6 cm)* *Blade Width: 15 mm*

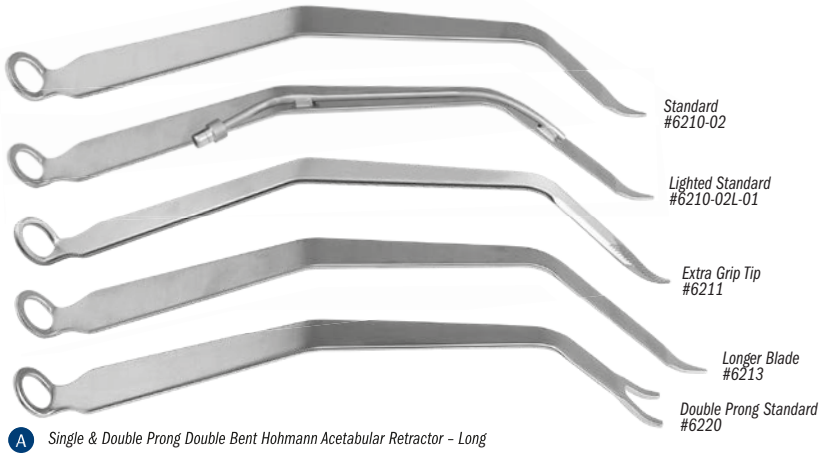
Lighted retractor comes with one (1) Disposable LED Light Source, and can also be attached to a fiber optic light cable with ACMI (female) connector.

A Single Prong Double Bent Hohmann Acetabular Retractor – Extra Long

PRODUCT NO'S:
6210-04 [Single Prong Double Bent Hohmann Acetabular Retractor – X Long 3" Blade] *Overall Length: 16.25" (41,3 cm)* *Blade + Tip Length: 3" (7,6 cm)* *Blade Width: 15 mm*
6214 [Single Prong Double Bent Hohmann Acetabular Retractor – X Long 5" Blade] *Overall Length: 18" (45,7 cm)* *Blade + Tip Length: 5" (12,7 cm)* *Blade Width: 15 mm*



A *Single Prong Double Bent Hohmann Acetabular Retractor*



A *Single & Double Prong Double Bent Hohmann Acetabular Retractor – Long*

A *Single Prong Double Bent Hohmann Acetabular Retractor – Extra Long*

Short Tip Acetabular Retractor

Designed for retraction around the acetabulum

PRODUCT NO:
C1014 *Overall Length: 13.25" (33,7 cm)* *Blade Depth: 4.5" (11,4 cm)* *Blade Width: 1" (2,54 cm)*

USA MADE

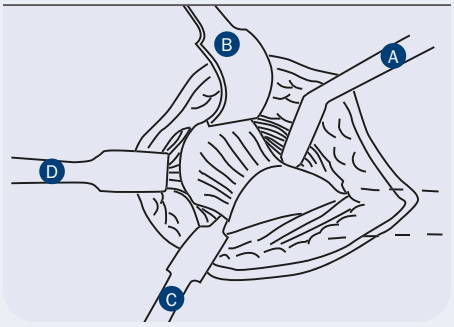
New!

INNOMED

Retractors for Hip Surgery

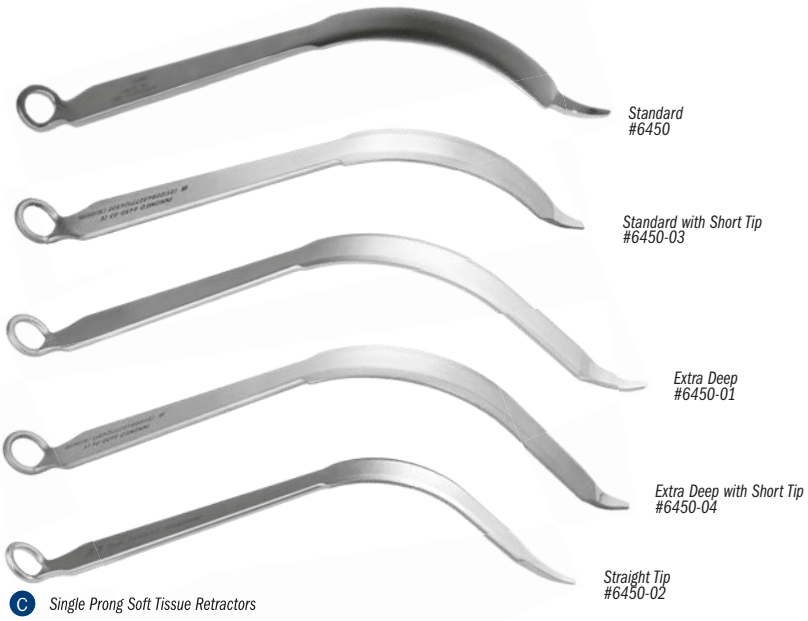
For general use in hip surgery and minimally invasive hip surgery

USA MADE



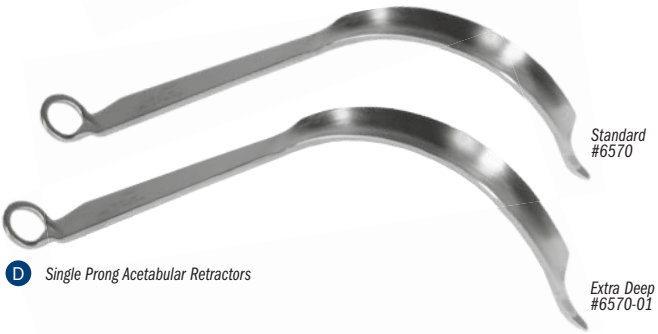
B Broad Acetabular Retractor

PRODUCT NO'S:	
6320	[Single Prong Broad Acetabular Retr.] *Overall Length: 12" (30,5 cm)* *Blade Width: 40 mm*
6160	[Double Prong Broad Acetabular Retr.] *Overall Length: 12.5" (31,8 cm)* *Blade Width: 40 mm*



C Single Prong Soft Tissue Retractors

PRODUCT NO'S:	
6450	[Single Prong Soft Tissue Retractor] *Overall Length: 12.125" (30,8 cm)* *Blade Width: 22.3 mm*
6450-03	[Standard with Short Tip] *Overall Length: 11.75" (29,8 cm)* *Blade Width: 22.3 mm* New!
6450-01	[Extra Deep Single Prong Soft Tissue Retractor] *Overall Length: 13.75" (34,9 cm)* *Blade Width: 22.3 mm*
6450-04	[Extra Deep w/Short Tip] *Overall Length: 13" (33 cm)* *Blade Width: 22.3 mm* New!
6450-02	[Single Prong Soft Tissue Retractor with Straight Tip] *Overall Length: 12.125" (30,8 cm)* *Blade Width: 22,3 mm*



D Single Prong Acetabular Retractor

PRODUCT NO'S:	
6570	[Single Prong Acetabular Retractor] *Overall Length: 12.125" (30,8 cm)* *Blade Width: 22.3 mm*
6570-01	[Extra Deep Single Prong Acetabular Retractor] *Overall Length: 13.75" (34,9 cm)* *Blade Width: 22.3 mm*

Inferior Acetabular Retractors

Help provide better access to the intramedullary canal

PRODUCT NO'S:
6250 [Standard] *Overall Length: 12" (30,5 cm)* *Handle Length: 8" (20,3 cm)* *Blade Height Above Prongs: 3" (7,6 cm)* *Blade Width: 51 mm* *Prong Width: 5.1 mm | 9.7 mm Gap | 5.1 mm*
6255 [Narrow] *Overall Length: 12" (30,5 cm)* *Handle Length: 8" (20,3 cm)* *Blade Height Above Prongs: 3.25" (8,3 cm)* *Blade Width: 32 mm* *Prong Width: 5.1 mm | 9.7 mm Gap | 5.1 mm*

USA MADE

MIS Hip Retractor

PRODUCT NO'S:
6265 *Overall Length: 15" (38,1 cm)* *Handle Length: 11" (27,9 cm)* *Depth from Bend: 8" (20,3 cm)* *Blade Width: 20 mm*

USA MADE

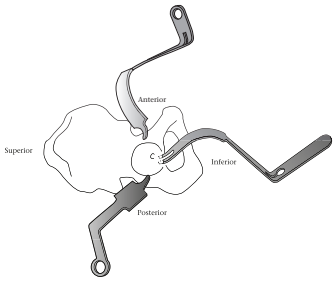
APC Hip Retractor Series

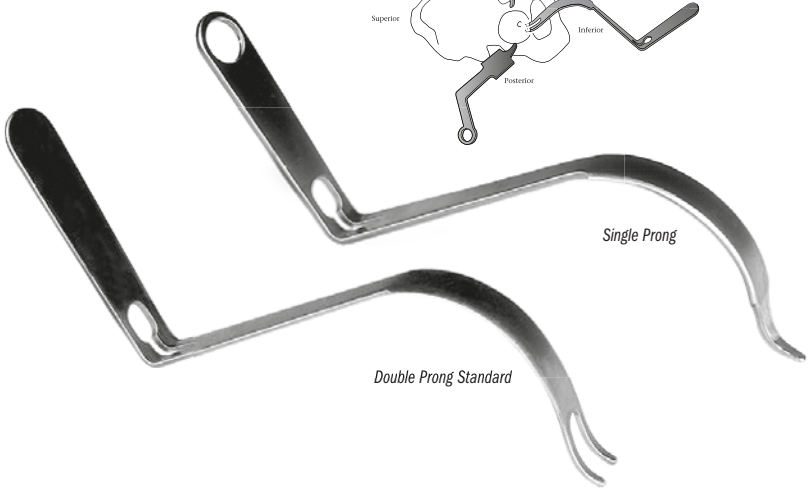
Used to help provide wide exposure of the acetabulum

PRODUCT NO'S:
6420 [Single Prong] *Overall Length: 14" (35,6 cm)* *Blade Width: 22 mm*
6430 [Double Prong Standard] *Overall Length: 14" (35,x6 cm)* *Blade Width: 24 mm*

Designed by APC, Inc.

USA MADE





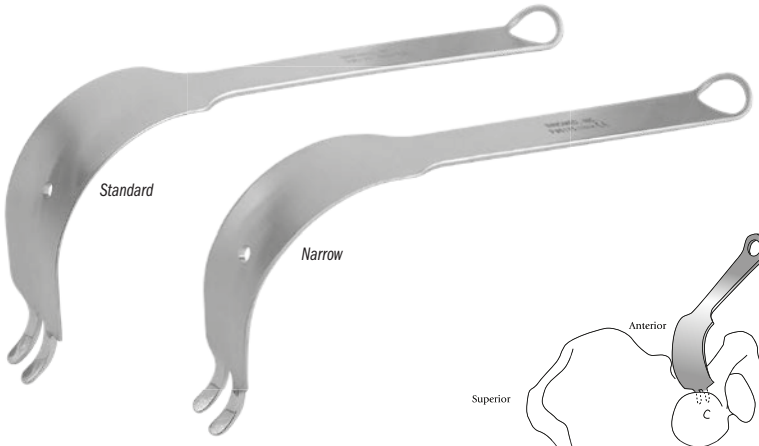
Modified Double Prong Acetabular Retractor with Center Prongs

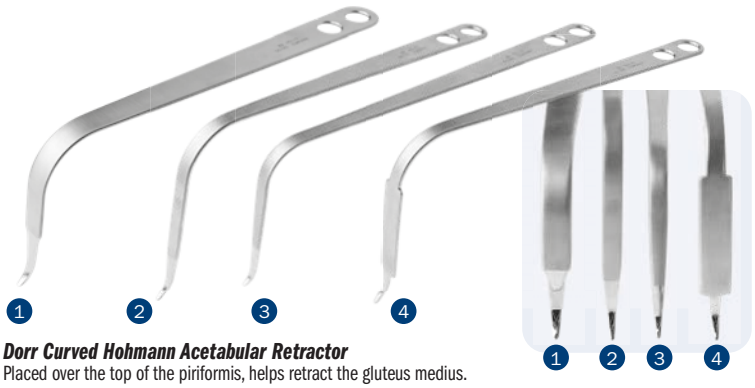
Retracts the femur anteriorly during total hip arthroplasty

Designed to retract the femur anteriorly during total hip arthroplasty. It is hooked over the anterior pelvic brim. Weights can be added to assist in exposure and to help hold the retractor in place.

USA MADE

PRODUCT NO'S:	
6170 [Standard] *Blade Width: 44 mm* *Overall Length: 12.5" (31,8 cm)*	6175 [Narrow] *Blade Width: 32 mm* *Overall Length: 12.5" (31,8 cm)*





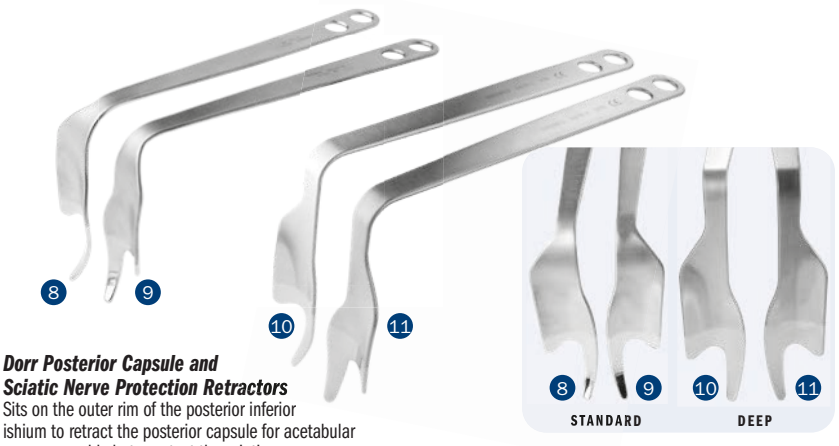
Dorr Curved Hohmann Acetabular Retractor
Placed over the top of the piriformis, helps retract the gluteus medius.

Dorr Narrow Bent Acetabular Retractors
Retracts the gluteus maximus off the trochanter and exposes the back of the greater trochanter. The long version is used with larger patients.

Dorr Bent Hohmann Acetabular Retractor
Placed between the capsule and outer external oblique muscle to protect medial circumflex vessels. The tip engages the condyloid notch bone (teardrop). Helps retract soft tissues during acetabular exposure.

Dorr Curved Blade Bent Hohmann Retractors
Used for both femoral and acetubular exposure. For femoral exposure, the retractor is placed underneath and around the femoral neck to lift and open up the femoral head before cutting it off. The retractor is then moved to the posterior superior corner of the acetabulum where the sharp tip can be tapped into the bone—this is also the position used during acetabular exposure.

Upward Double Bent Hohmann Retractor
Tapped into the illum to help retract the femur for acetabular exposure.



Dorr Posterior Capsule and Sciatic Nerve Protection Retractors
Sits on the outer rim of the posterior inferior ishium to retract the posterior capsule for acetabular exposure and help to protect the sciatic nerve.

Dorr Femoral Neck Elevators
Placed under the proximal femur to help expose the femoral head. The wide version is useful with large patients, while the narrow is useful when broaching or when the implant is in place.

Dorr Hip Instruments

Designed by Lawrence D. Dorr, MD

USA MADE

PRODUCT NO'S:	
D6105 [Curved Hohmann Acetabular] *Overall Length: 14" (35,6 cm)* *Depth from Handle: 4.5" (11,4 cm)* *Blade Width: 18.5 mm*	1
D6108 [Narrow Bent Acetabular—Long] *Overall Length: 14.75" (37,5 cm)* *Depth from Handle: 6" (15,2 cm)* *Blade Width: 12.6 mm*	2
D6110 [Narrow Bent Acetabular] *Overall Length: 15" (38,1 cm)* *Depth from Handle: 4.75" (12,1 cm)* *Blade Width at Widest: 12 mm*	3
D6112 [Bent Hohmann Acetabular] *Overall Length: 14.5" (36,9 cm)* *Depth from Handle: 6" (15,2 cm)* *Blade Width: 21 mm*	4

PRODUCT NO'S:	
D6106 [Curved Blade Bent Hohmann] *Overall Length: 13.5" (34,3 cm)* *Depth from Handle: 4.5" (11,4 cm)* *Blade Width: 40 mm*	5
D6107 [Curved Blade Double Bent Hohmann] *Overall Length: 8.5" (21,6 cm)* *Depth from Handle: 5" (12,7 cm)* *Blade Width: 2 5 mm*	6
D6114 [Upward Double Bent Hohmann] *Overall Length: 14" (35,6 cm)* *Depth from Flat Part of Handle: 5.5" (14 cm)* *Blade Width: 20.5 mm*	7

PRODUCT NO'S:	
D6109-L [Posterior Capsular Retractor—Left] *Overall Length: 14" (35,6 cm)* *Depth from Handle: 6" (15,2 cm)* *Blade Width at Widest: 44 mm*	8
D6109-R [Posterior Capsular Retractor—Right] *Overall Length: 14" (35,6 cm)* *Depth from Handle: 6" (15,2 cm)* *Blade Width at Widest: 44 mm*	9
D6115-L [DEEP Posterior Capsular Retractor—Left] *Overall Length: 14.75" (37,5 cm)* *Depth from Handle: 7.25" (18,4 cm)* *Blade Width at Widest: 48 mm*	10
D6115-R [DEEP Posterior Capsular Retractor—Right] *Overall Length: 14.75" (37,5 cm)* *Depth from Handle: 7.25" (18,4 cm)* *Blade Width at Widest: 48 mm*	11

PRODUCT NO'S:	
D6111 [Wide Femoral Neck Elevator] *Overall Length: 15" (38,1 cm)* *Depth from Handle: 2" (5,1 cm)* *Blade Width at Widest: 45 mm*	12
D6113 [Narrow Femoral Neck Elevator] *Overall Length: 13.75" (34,9 cm)* *Depth from Handle: 2.25" (5,7 cm)* *Blade Width: 25 mm*	13

Narrow Cobra-style Retractor with Large Handle

Designed for use around the femur and acetabulum

PRODUCT NO:
C1005 *Overall Length: 17.5" (34,5 cm)* *Depth from handle: 7" (17,8 cm)*

USA MADE

Modified Curved Double Bent Hohmann Retractor

A modified, double-bent Hohmann designed to be placed on the anterior wall of the acetabulum

Double-bent angle allows for safe retraction of the reflected head of the rectus femoris, reducing concerns of over-retraction.

PRODUCT NO:
D6107-MOD *Overall Length: 8.5" (21,6 cm)* *Depth from Handle: 4.5" (11,4)* *Blade Width: 27.4 mm*

USA MADE

Designed by Lawrence Dorr, MD. Design modification by Bertrand P Kaper, MD

Taylor Retractors

PRODUCT NO'S:
6330-01 [Standard] *Overall Length: 8" (20,3 cm)* *Depth from Bend: 4" (10,2 cm)* *Blade Width: 32 mm*
6330-02 [Deep] *Overall Length: 9" (23 cm)* *Depth from Bend: 5.5" (14 cm)* *Blade Width: 32 mm*
6330-03 [Deep with Pin Guides] *Overall Length: 9" (23 cm)* *Depth from Bend: 5.5" (14 cm)* *Blade Width: 32 mm* *Guide for Pins Up To: .125" (3,2 mm)*

USA MADE

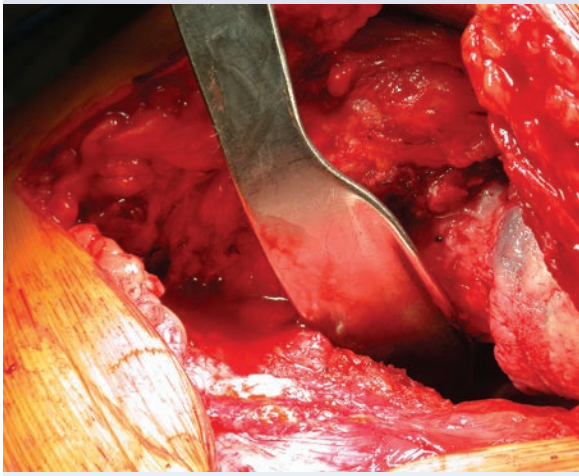
INNOMED

Modified Cobra Retractor

A general purpose instrument for use around the femur and acetabulum

PRODUCT NO:
C1012 *Overall Length: 14.5" (36,9 cm)* *Blade Depth: 5.25" (13,3 cm)* *Blade Width: 1" (2,54 cm)*

USA MADE



Double Prong

Single Prong

Flared Cobra Retractors

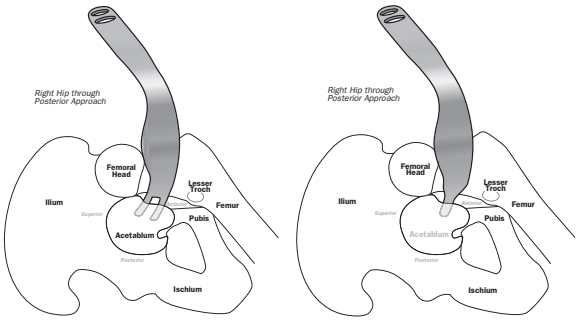
Left and right retractors can be used with the anterior, posterior or lateral approach to help expose the acetabulum in total hip surgery

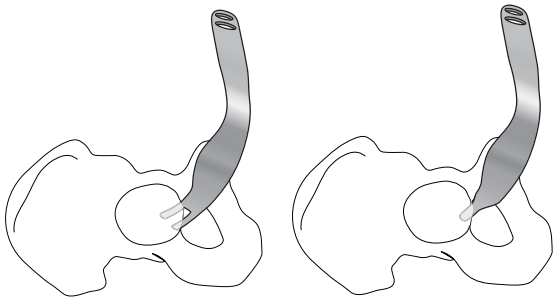
PRODUCT NO'S:
6110-01 [Double Prong – Right] *Overall Length: 15" (38 cm)*
6110-02 [Double Prong – Left] *Overall Length: 15" (38 cm)*
6109-L [Single Prong – Left] *Overall Length: 15" (38 cm)*
6109-R [Single Prong – Right] *Overall Length: 15" (38 cm)*

USA MADE

Designed by Henry Boucher, MD
Single prong design modification by Walter Frueh, MD

POSTERIOR APPROACH: Placed over the anterior acetabular wall for supero-anterior translation of the femoral head and neck during acetabular preparation. The prong(s) pierce the capsule over the anterior wall, then the curve and "twist" of the retractor allows for gentle retraction on the femoral neck.





ANTERIOR APPROACH: Placed inferior to the trans-acetabular ligament during exposure and preparation of the acetabular component. The curve and "twist" of the retractor allow for gentle retraction of the medial and inferior soft tissues and skin. Helps provide easier retraction for the assistant on the other side of the operating table.

Cobra Retractors

A general purpose instrument for use around the femur and acetabulum

The OrthoLucent™ version is made of a strong, lightweight carbon fiber PEEK composite material, which is completely radiolucent, helps to prevent from marring component surfaces, and can be steam sterilized.

The lighted retractor comes with one (1) Disposable LED Light Source (#8010-01). Can also attached to a fiber optic light cable with ACMI (female) connector. Retractor can be steam sterilized.

PRODUCT NO'S:
6129 [Standard w/Sharp Tip] *Overall Length: 12" (30,5 cm)* *Handle Length: 7" (17,8 cm)* *Blade at Widest: 33 mm*
6130 [Standard] *Overall Length: 12" (30,5 cm)* *Handle Length: 7" (17,8 cm)* *Blade at Widest: 33 mm*
6130-H [Standard with Ergonomic Handle] *Overall Length: 12" (30,5 cm)* *Ergonomic Handle Length: 5" (12,7 cm)* *Blade at Widest: 33 mm*
6130-L-01 [Lighted Standard] *Overall Length: 12" (30,5 cm)* *Handle Length: 7" (17,8 cm)* *Blade Width at Widest: 33 mm*
6130-R* [OrthoLucent™ Standard] *Overall Length: 12" (30,5 cm)* *Handle Length: 7" (17,8 cm)* *Blade Width at Widest: 33 mm*
6132 [Medium] *Overall Length: 12" (30,5 cm)* *Handle Length: 7" (17,8 cm)* *Blade at Widest: 46 mm*
6140 [Wide] *Overall Length: 11.75" (29,8 cm)* *Handle Length: 7" (17,8 cm)* *Blade at Widest: 56 mm*

USA MADE

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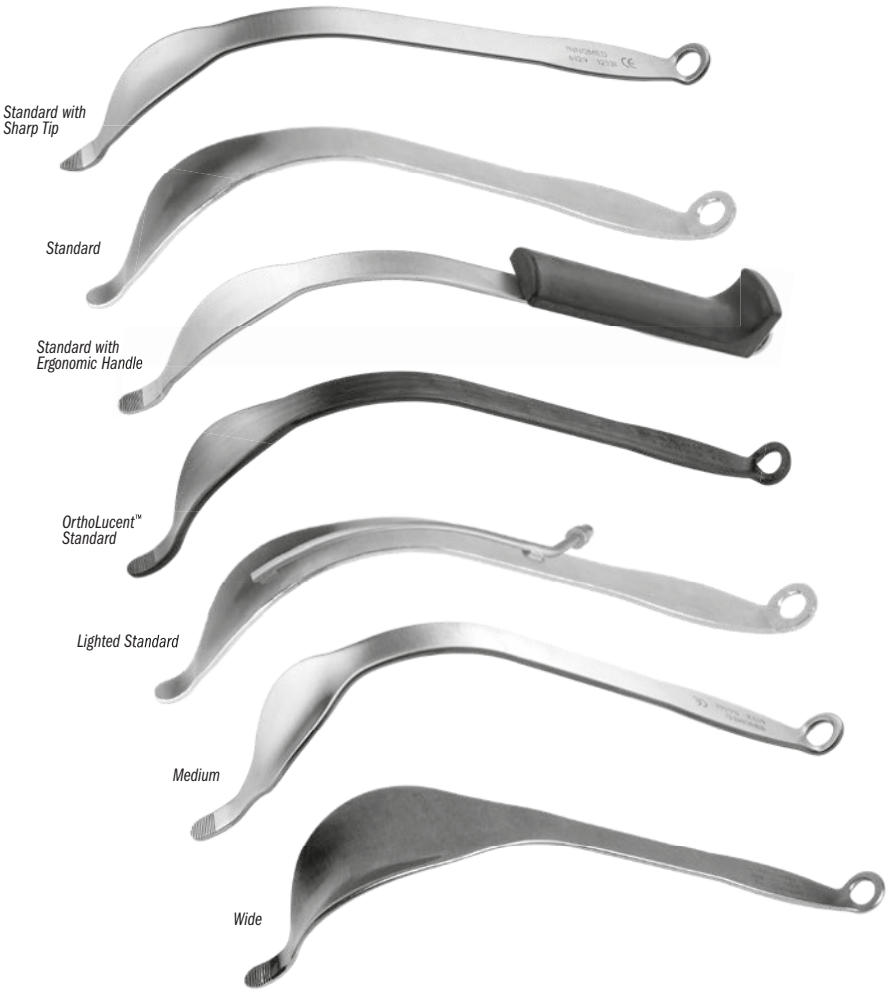
MADE EXCLUSIVELY FOR INNOMED IN SWITZERLAND



Deep Cobra Retractors

A general purpose instrument for use around the femur and acetabulum in larger patients

Lighted retractor comes with one (1) Disposable LED Light Source (#8010-01). Can also attached to a fiber optic light cable with ACMI (female) connector. Retractor can be steam sterilized.

PRODUCT NO'S:
6135 [Deep] *Overall Length: 14.5" (36,9 cm)* *Handle Length: 7" (17,8 cm)* *Blade Width at Widest: 33 mm*
6135-L-01 [Lighted Deep] *Overall Length: 14.5" (36,9 cm)* *Handle Length: 7" (17,8 cm)* *Blade Width at Widest: 33 mm*

USA MADE

Jana Lighted Cobra Retractor

Designed to enhance exposure & visualization

Comes with one (1) Disposable LED Light Source (#8010-01). Can also be attached to a fiber optic light cable with ACMI (female) connector. Retractor can be steam sterilized.

PRODUCT NO:
6119-L-01 *Overall Length: 14.75" (37,5 cm)* *Blade at Widest: 33 mm*

Designed by Ajoy K. Jana, MD

USA MADE

INNOMED

Narrow Cobra Retractors

A general purpose instrument for use around the femur and acetabulum in MIS surgery

PRODUCT NO'S:
6120-04 [XL Narrow] *Overall Length: 15.5" (39,4 cm)* *Handle Length: 11" (27,9 cm)* *Blade Width: 19 mm*
6120 [Narrow] *Overall Length: 11.75" (29,8 cm)* *Handle Length: 6.5" (16,5 cm)* *Blade Width: 19 mm*

USA MADE

Lighted Cobra Retractors

Lighting attachment for enhanced visual exposure

Lighted retractors come with one (1) Disposable LED Light Source (#8010-01). Can also be attached to a fiber optic light cable with ACMI (female) connector. Retractors can be steam sterilized.

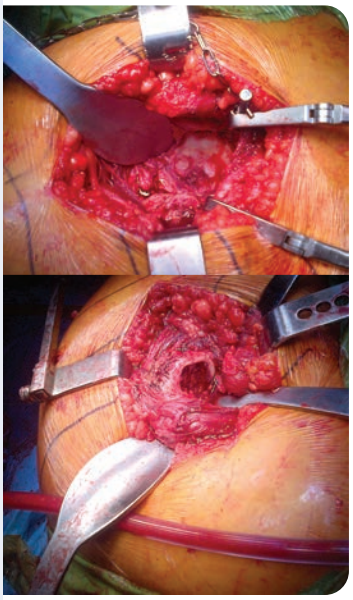
PRODUCT NO'S:
6120-L-01 [Lighted Narrow Cobra] *Overall Length: 11.75" (29,8 cm)* *Handle Length: 6.5" (16,5 cm)* *Blade Width: 19 mm*
6130-L-01 [Lighted Standard Cobra] *Overall Length: 12" (30,5 cm)* *Handle Length: 7" (17,8 cm)* *Blade Width at Widest: 33 mm*
6135-L-01 [Lighted Deep Cobra] *Overall Length: 14.5" (36,9 cm)* *Handle Length: 7" (17,8 cm)* *Blade Width at Widest: 33 mm*

USA MADE

Light Source Cable Adapters

USA MADE

PRODUCT NO'S:
8009-S [ACMI to Storz Adapter]
8009-W [ACMI to Wolf Adapter]



Harwin Modified Cobra Retractor

Designed for use during total hip and knee surgery

The long handle and obtuse angle provide ergonomic leverage—especially helpful for use with obese patients.

In total hip surgery, the wide, concave blade design allows for enhanced exposure—especially useful in anterior hip surgery with the placement of reamers, and to elevate and expose the proximal femur.

In total knee surgery, the wide blade of the large retractor spans the prepared box and helps bring the tibia forward. The small retractor helps with retraction of the medial and lateral structures, where the wide, concave blade provides added exposure over standard bent Hohmann retractors. The serrated tip helps improve stability.

Designed by Steven F. Harwin, MD, FACS

PRODUCT NO'S:
6143 [Large] *Overall Length: 14.75" (37,5 cm)* *Blade Width: 43.2 mm* *Tongue: 25 mm x 5 mm*
6143-01 [Small] *Overall Length: 12.5" (31,8 cm)* *Blade Width: 30 mm* *Tongue: 25 mm x 5 mm*

USA MADE

Infero-Posterior Acetabular Retractor with Modular Handle – Left and Right

Designed to be placed with the point at 6 o' clock and the retractor's axilla resting on the ischium, while the wing blade is used to retract the remaining capsule from the posterior lip of the acetabulum, and the optional screw-in modular handle can be used for additional leverage and maneuverability

PRODUCT NO'S:
C1007-H-00 [Left Set]
Set Includes/ Available Separately:
C1007 [Left Retractor Only] *Overall Length: 14" (35,6 cm)* *Depth from Bend: 4.5" (11,4 cm)* *Fixed Handle Width: 5.5" (14 cm)*
C1006 [Modular Handle] *Overall Length: 4.875" (12,4 cm)* *Handle Length: 4.5" (11,4 cm)*

USA MADE

PRODUCT NO'S:
C1008-H-00 [Right Set]
Set Includes/ Available Separately:
C1008 [Right Retractor Only] *Overall Length: 14" (35,6 cm)* *Depth from Bend: 4.5" (11,4 cm)* *Fixed Handle Width: 5.5" (14 cm)*
C1006 [Modular Handle] *Overall Length: 4.875" (12,4 cm)* *Handle Length: 4.5" (11,4 cm)*

USA MADE

Posterior-Inferior Retractors

Designed for Total Hip Surgery

The posterior-inferior retractor is placed with the point at 6 o' clock and the retractor's axilla resting on the ischium. The remaining blade of this retractor is used to retract the remaining capsule from the posterior lip of the acetabulum.

PRODUCT NO'S:
7625-01 [Small Right] *Overall Length: 10.75" (27,3 cm)* *Handle-to-Bend Length: 5.5" (14 cm)*
7625-02 [Small Left] *Overall Length: 10.75" (27,3 cm)* *Handle-to-Bend Length: 5.5" (14 cm)*
7925-01 [Medium Right] *Overall Length: 11" (27,9 cm)* *Handle-to-Bend Length: 7" (17,8 cm)*
7925-02 [Medium Left] *Overall Length: 11" (27,9 cm)* *Handle-to-Bend Length: 7" (17,8 cm)*
7620-01 [Large Right] *Overall Length: 12" (30,5 cm)* *Handle-to-Bend Length: 6" (15,2 cm)*
7620-02 [Large Left] *Overall Length: 12" (30,5 cm)* *Handle-to-Bend Length: 6" (15,2 cm)*

Designed by
Wayne M. Goldstein, MD

USA MADE

New!

Modular Handle

Small

Medium

Large

Moran Posterior-Inferior Retractor

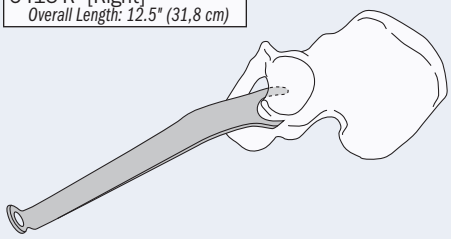
Designed to achieve a stable position on the pelvis and expose the posterior-inferior aspect of the acetabulum

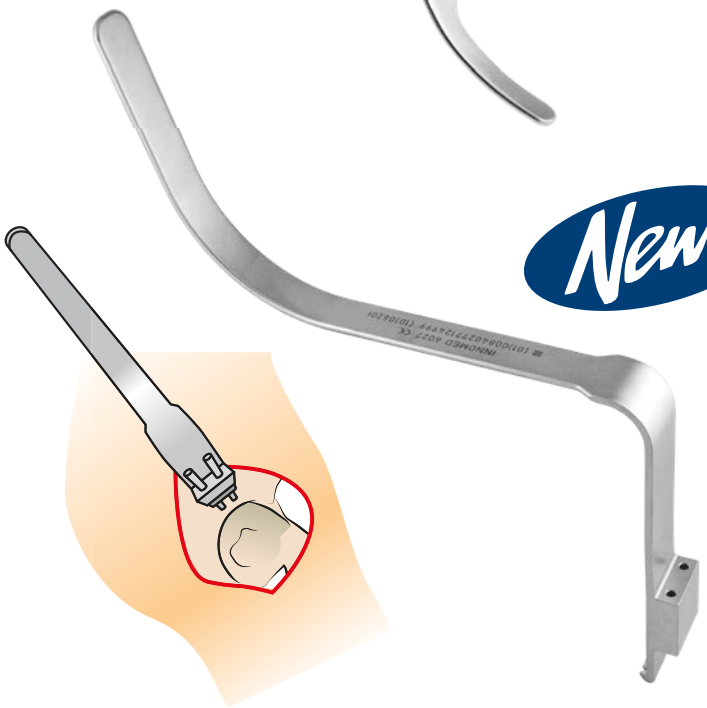
The short sharp tip is placed into the ischial sulcus behind the posterior acetabular rim. The long dull tip comes to rest behind the teardrop, while the retractor handle projects in a posterior-inferior direction.

PRODUCT NO'S:
6415-L [Left] *Overall Length: 12.5" (31,8 cm)*
6415-R [Right] *Overall Length: 12.5" (31,8 cm)*

Designed by Michael C. Moran, MD

USA MADE





New!

Superior Retractor

Used for retraction around the acetabulum, can be self retaining with the use of 1/8" (3.2 mm) pins

PRODUCT NO:
6027 *Overall Length: 12.75 (32,4 cm)* *Depth from Bend: 5.5" (14 cm)* *Blade Width: 1" (25,4 mm)* *Holes for Pins Up to: 1/8" (3,2 mm)*

USA MADE

Penenberg Gluteus Retractors

PRODUCT NO'S:
7108-01 [Right] *Overall Length: 8.25" (21 cm)* *Handle to Bend Length: 6.5" (16,5 cm)* *Depth from Bend: 4.25" (10,8 cm)*
7108-02 [Left] *Overall Length: 8.25" (21 cm)* *Handle to Bend Length: 6.5" (16,5 cm)* *Depth from Bend: 4.25" (10,8 cm)*

Designed by Brad Penenberg, MD

USA MADE

Minimal Incision Total Hip Retractors

Designed for Minimal Incision Total Hip Surgery using the standard posterior lateral approach

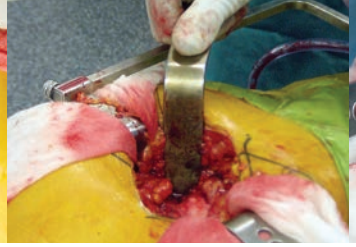
Used in conjunction with a frame and blade system (SEE PAGE 32).

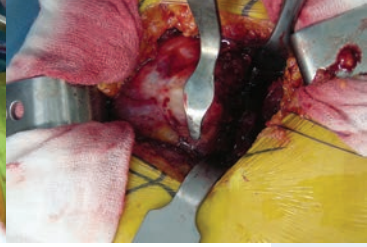
PRODUCT NO'S:	
1	7110 [Bent Hohmann Retractor for Gluteus Medius – Standard] *Overall Length: 9.75" (24,8 cm)* *Blade Width: 19 mm* *Depth from Bend: 4.25" (10,8 cm)*
1e	7111 [Bent Hohmann Retractor for Gluteus Medius – With Extra Grip Tip] *Overall Length: 9.75" (23,8 cm)* *Handle Length: 7" (17,8 cm)* *Blade Width: 19 mm* *Depth from Bend: 4.25" (10,8 cm)*
2	7110-01 [Bent Hohmann Retractor for Gluteus Medius – Extra Long Handle] *Overall Length: 11.5" (29,2 cm)* *Blade Width: 19 mm* *Depth from Bend: 4.25" (10,8 cm)*
3	7120 [Blunt Right Angle Posterior Capsular Retractor] *Overall Length: 8" (20,3 cm)* *Blade Width: 32 mm* *Blade Depth: 3.25" (8,9 cm)*
4	7130 [Cobra Retractor with Hand Rest] *Overall Length: 10.25" (26 cm)* *Blade Width at Widest: 32 mm*
5	7140 [Superior Capsular Retractor] *Overall Length: 9.375" (23,8 cm)* *Blade Width at Widest: 19 mm*
6	7180 [Right Angle Posterior Capsular Retractor] *Overall Length: 8" (20,3 cm)* *Blade Width: 32 mm* *Blade Depth: 3.5" (8,9 cm)*
7	7180-01 [Right Angle Posterior Capsular Retractor without Teeth] *Overall Length: 8" (20,3 cm)* *Blade Width: 32 mm* *Blade Depth: 3.5" (8,9 cm)"*

Designed By Wayne M. Goldstein, MD

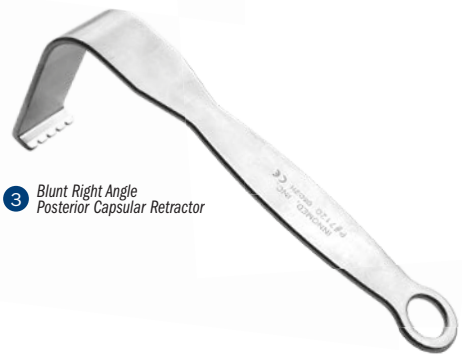
Surgical technique available on our website.

USA MADE





1 1e 2 *Bent Hohmann Retractor for Gluteus Medius*



3 *Blunt Right Angle Posterior Capsular Retractor*

4 *Cobra Retractor with Hand Rest*

5 *Superior Capsular Retractor*

6 7 *Right Angle Posterior Capsular Retractor*

Narrow Right Angle Retractor

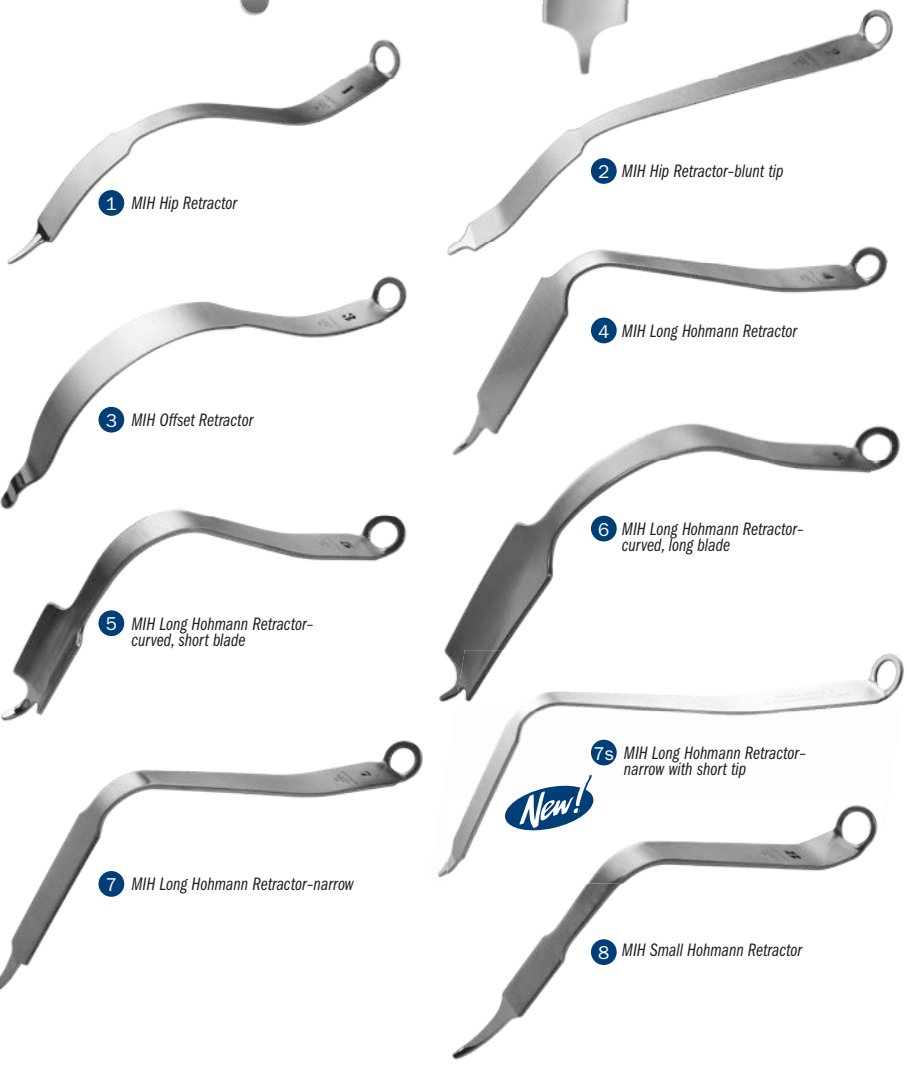
Designed for soft tissue retraction

PRODUCT NO:
C1011 *Overall Length: 8.5" (21,6 cm)* *Handle Length: 6.75" (17,1 cm)* *Blade Depth: 4.5" (11,4 cm)* *Blade Width: .375" (1 cm)*

USA MADE

New!

INNOMED



Minimally Invasive Hip Surgery Retractors

Designed to be used in various minimally invasive hip exposures

USA MADE

PRODUCT NO'S:	
1	S3023 [MIH Hip Retractor] *Overall Length: 13" (33 cm)* *Blade Width: 25 mm*
2	S3024 [MIH Hip Retractor–blunt tip] *Overall Length: 14.5" (36,9 cm)* *Blade Width: 25 mm*
3	S3025 [MIH Offset Retractor] *Overall Length: 14" (35,6 cm)* *Blade Width: 32 mm*
4	S3026 [MIH Long Hohmann Retractor] *Overall Length: 14.75" (37,5 cm)* *Blade Width: 40 mm*
5	S3027 [MIH Long Hohmann Retractor] –curved, short blade *Overall Length: 12.25" (31,1 cm)* *Blade Width: 34 mm*
6	S3028 [MIH Long Hohmann Retractor] –curved, long blade *Overall Length: 14" (35,6 cm)* *Blade Width: 39 mm*
7	S3029 [MIH Long Hohmann Retractor–narrow] *Overall Length: 14.75" (37,5 cm)* *Blade Width: 22 mm*
7s	S3029-01 [MIH Long Hohmann Retractor – narrow with short tip] *Overall Length: 14.5" (36,9 cm)* *Blade Width: 22 mm* New!
8	S3030 [MIH Small Hohmann Retractor] *Overall Length: 11.5" (29,2 cm)* *Blade Width: 19 mm*

Modular Weights

Used to help hold retractors in place

PRODUCT NO'S:	
3430-01	*1.5 lbs. (.68 kg)*
3430-02	*2.0 lbs. (.91 kg)*
3430-03	*2.5 lbs. (1.13 kg) with attaching hook*

USA MADE

Extra Grip Tip
Helps to stabilize the retractor around the bone

Retractors with Extra Grip Tip

Helps to stabilize the retractor around the bone

PRODUCT NO'S:	
6211	[Single Prong Acetabular] *Overall Length: 12.5" (31,8 cm)* *Blade + Tip Length: 3" (76 mm)* *Blade Width: 15 mm*
7111	[Bent Hohmann Narrow] *Overall Length: 9.75" (23,8 cm)* *Handle Length: 7" (17,8 cm)* *Blade Width: 19 mm* *Depth from Bend: 4.25" (10,8 cm)*

USA MADE

Extra Grip Tip design modification by Alfred A. Durham, MD

Bent Hohmann Retractors–Narrow

Helps retract tissues at the margins of the joint

Useful for retracting tissues at the margins of the joint. Can be passed over the margins of the joint and held in place with weights or by hand.

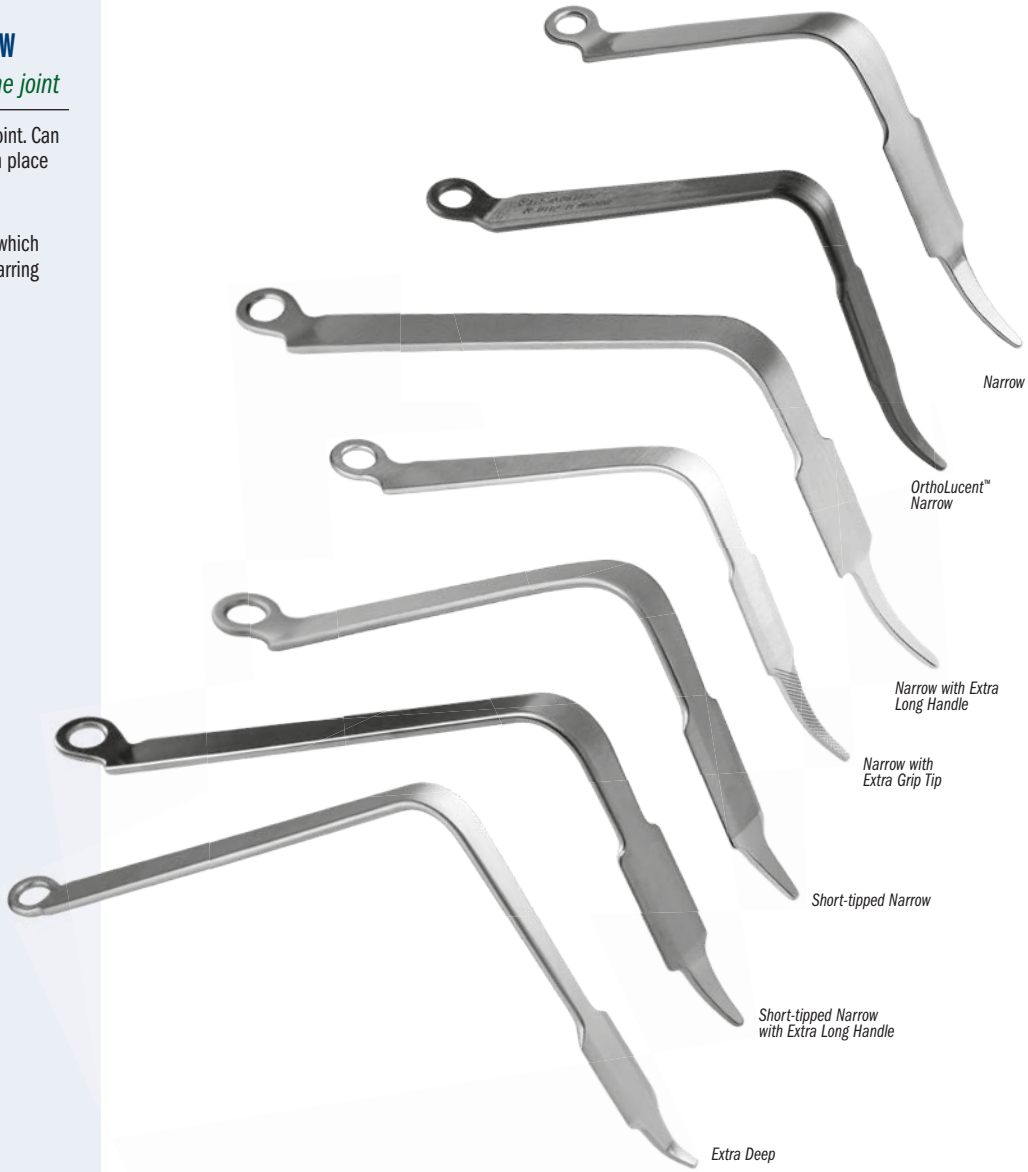
The OrthoLucent™ version is made of a strong, lightweight carbon fiber PEEK composite material, which is completely radiolucent, helps to prevent from marring component surfaces, and can be steam sterilized.

PRODUCT NO'S:
7110 [Standard] *Overall Length: 9.75" (23,8 cm)* *Handle Length: 7" (17,8 cm)* *Blade Width: 19 mm* *Depth from Bend: 4.75" (12,1 cm)*
7110-R* [OrthoLucent™ Narrow] *Overall Length: 9.75" (23,8 cm)* *Handle Length: 7" (17,8 cm)* *Blade Width: 19 mm* *Depth from Bend: 4.75" (12,1 cm)*
7110-01 [Extra Long Handle] *Overall Length: 11.5" (29,2 cm)* *Handle Length: 10" (25,4 cm)* *Blade Width: 19 mm* *Depth from Bend: 4.75" (12,1 cm)*
7111 [With Extra Grip Tip] *Overall Length: 9.75" (23,8 cm)* *Handle Length: 7" (17,8 cm)* *Blade Width: 19 mm* *Depth from Bend: 4.25" (10,8 cm)*
7115 [Short-tipped Narrow] *Overall Length: 8.625" (21,9 cm)* *Handle Length: 7" (17,8 cm)* *Blade Width: 19 mm* *Depth from Bend: 4.4" (11,2 cm)*
7115-01 [Short-tipped Extra Long Handle] *Overall Length: 11" (27,9 cm)* *Handle Length: 10" (25,4 cm)* *Blade Width: 19 mm* *Depth from Bend: 4.25" (10,8 cm)*
7115-03 [Extra Deep] *Overall Length: 12.125" (31,1 cm)* *Handle Length: 9.75" (24,8 cm)* *Depth from Bend: 6.25" (15,9 cm)* *Blade Width: 19 mm*

Short-tipped designed by Carl DiRaimondo, MD
Extra Grip Tip design modification by Alfred A. Durham, MD

USA MADE

* MADE EXCLUSIVELY FOR INNOMED IN SWITZERLAND

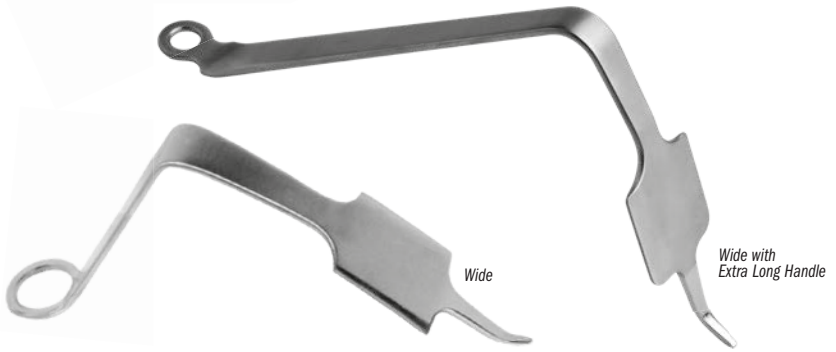


Bent Hohmann Retractors–Wide

Helps retract tissues at the margins of the joint

PRODUCT NO'S:
6590 [Standard] *Overall Length: 9.375" (23,8 cm)* *Handle Length: 7" (17,8 cm)* *Blade Width: 41 mm* *Depth from Bend: 4.75" (12,1 cm)*
6590-01 [Extra Long Handle] *Overall Length: 11" (27,9 cm)* *Handle Length: 9" (22,9 cm)* *Blade Width: 41 mm* *Depth from Bend: 5.5" (14 cm)*

USA MADE



Long Narrow Hohmann Retractor–Blunt

PRODUCT NO'S:
4540 [Standard] *Blade Width: 22 mm* *Blade Width at End: 16 mm* *Overall Length: 11.375" (28,9 cm)*
4540-01 [Extra Deep] *Blade Width: 22 mm* *Blade Width at End: 16 mm* *Overall Length: 13.25" (33,7 cm)*

USA MADE

INNOMED

Modified Hohmann Retractors

Handle is contoured to allow better leverage and visualization

Useful for retracting tissues around the bone. Can be held in place with weights or by hand.

The OrthoLucent™ version is made of a strong, lightweight carbon fiber PEEK composite material, which is completely radiolucent, helps to prevent from marring component surfaces, and can be steam sterilized.

PRODUCT NO'S:	
4535 [Narrow] *Overall Length: 10" (25,4 cm)* *Blade Width: 14 mm*	USA MADE
4535-R* [OrthoLucent™ Narrow] *Overall Length: 10" (25,4 cm)* *Blade Width: 18 mm*	
4535-01 [Extra Deep Narrow] *Overall Length: 11.625" (29,5 cm)* *Blade Width: 16.4 mm*	
4545 [Short-tipped Narrow] Designed by Carl DiRaimondo, MD *Overall Length: 9.5" (24,1 cm)* *Blade Width: 14 mm*	
6595 [Wide] *Overall Length: 10" (25,4 cm)* *Blade Width: 42.5 mm*	
6595-01 [Extra Deep Wide] *Overall Length: 11.5" (29,2 cm)* *Blade Width: 42.5 mm*	* MADE EXCLUSIVELY FOR INNOMED IN SWITZERLAND

Hohmann Retractor

Designed like the original Hohmann-style retractor – made in the U.S.A.

The OrthoLucent™ version is made of a strong, lightweight carbon fiber PEEK composite material, which is completely radiolucent, helps to prevent from marring component surfaces, and can be steam sterilized.

PRODUCT NO'S:	
4558 [Standard] *Blade Width: 16 mm* *Overall Length: 9.46" (24 cm)*	USA MADE
4558-R* [OrthoLucent™] *Blade Width: 16 mm* *Overall Length: 9.46" (24 cm)*	
4558-01 [Extra Deep] *Blade Width: 16.7 mm* *Overall Length: 11.5" (29,2 cm)*	* MADE EXCLUSIVELY FOR INNOMED IN SWITZERLAND

Modified Blunt Hohmann Retractor

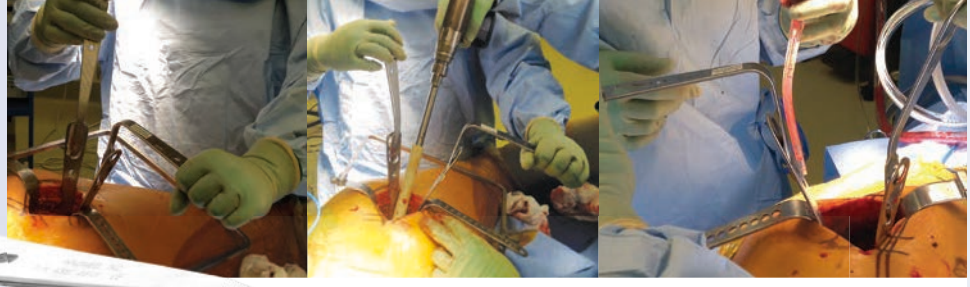
Used for soft tissue retraction

The OrthoLucent™ version is made of a strong, lightweight carbon fiber PEEK composite material, which is completely radiolucent, helps to prevent from marring component surfaces, and can be steam sterilized.

PRODUCT NO'S:	
4550 [Standard] *Blade Width at End: 11 mm* *Overall Length: 10.75" (27,3 cm)*	USA MADE
4550-R* [OrthoLucent™] *Blade Width at Widest: 24.5 mm* *Overall Length: 10.75" (27,3 cm)*	
4550-01 [Extra Deep] *Blade Width at End: 11 mm* *Overall Length: 13.25" (33,7 cm)*	* MADE EXCLUSIVELY FOR INNOMED IN SWITZERLAND

Goytia Stackable Hohmann Retractors

Interlocking design helps to increase depth and leverage in hip exposure, particularly of the anterior acetabulum—especially useful with large patients



- Custom fitted holes for interlocking retractors helps provide stabilty
- When "stacked", the increased lever arm of the retractor helps reduce fatigue
- Ideal for use with large patients where extra depth, leverage and force is needed

PRODUCT NO'S:
4551 [Standard] *Overall Length: 9.25" (23,5 cm)* *Blade Width: 19.5 mm*
4552 [Bent] *Overall Length: 8.25" (21 cm)* *Blade Width: 19.5 mm*
4553 [Wide] *Overall Length: 9.25" (23,5 cm)* *Blade Width: 43 mm*

Designed by Robin N. Goytia, MD

USA MADE

Lombardi Femoral/Gluteus Medius Minimus Retractor

Designed for acetabular exposure, and to retract the gluteus medius minimus during femoral reaming

Placed at the level of the ischium and driven into the ischium to retract the femur posteriorly when using an anterolateral approach. Also using an anterolateral or a modified Harding approach, the retractor can be placed in the tip of the greater trochanter and can effectively retract the abductor mechanism, namely the gluteus medius minimus so that reaming of the femur can be performed.

PRODUCT NO:
4235 *Overall Length: 11.75" (29,8 cm)* *Blade Width: 20 mm*

Designed by Adolph V. Lombardi Jr., MD

USA MADE

Wetzel Modified Hohmann Retractor

The long point is designed to be placed around, on, or through a bony structure and then levered back to retract tissue

The handle is contoured to allow better leverage and visualization. Can be held in place with weights or by hand.

PRODUCT NO:
4539 *Overall Length: 10" (25,4 cm)* *Blade Width: .85" (21,5 mm)*

USA MADE

Designed by Robert Wetzel, MD and Todd McKinley, MD

Amstutz Femoral Retractor

Used for acetabular exposure

PRODUCT NO:
6410 *Overall Length: 10.75" (27,3 cm)* *Blade Width: 18 mm*

Designed by Harlan C. Amstutz, MD

USA MADE

INNOMED

Deep Hohmann-style Retractors with Large Handle

Designed for retraction around the femur and acetabulum

PRODUCT NO:
C1009 [Standard] *Overall Length: 15.75" (40 cm)* *Handle Legth: 6.125" (15,6 cm)* *Blade Depth: 4.5" (11,4 cm)* *Blade Width: 1.1" (28 mm)*
C1010 [90°] *Overall Length: 14.25" (36,2 cm)* *Handle Legth: 6.125" (15,6 cm)* *Blade Depth: 5.25" (13,3 cm)* *Blade Width: 1.1" (28 mm)*

USA MADE

Whelan Narrow Hohmann Retractor

Retractor has gentle right angle curve with sharp tip, making it ideal for retraction of structures anterior to the acetabulum in the anterior approach to total hip

The large gentle curve allows visibility without undue pressure or traction on the femoral nerve or vessels.

PRODUCT NO:
7116 *Overall Length: 13.25" (33,7 cm)* *Depth from Bend: 4.5" (11,4 cm)* *Blade Width: 2,4 cm*

Designed by E. J. Whelan, III, MD

USA MADE

Curved Hohmann Retractor–Wide

PRODUCT NO:
6215 *Overall Length: 13" (33 cm)* *Handle Length: 12' (30,5 cm)* *Blade Width: 43 mm*

USA MADE

Long Curved Hohmann Retractors–Narrow

PRODUCT NO'S:
6204 [Short Blade] *Overall Length: 16" (40,7 cm)* *Handle Length: 13" (33 cm)* *Blade Width: 22 mm*
6205 [Long Blade] *Overall Length: 15.25" (38,8 cm)* *Handle Length: 13" (33 cm)* *Blade Width: 22 mm*

USA MADE

Proximal Femoral Elevators

Help provide better access to the intramedullary canal

Designed to elevate the proximal femur during total hip surgery while providing better access to the intramedullary canal. The handles are contoured to allow the surgeon a clear field of view of the operating area.

PRODUCT NO'S:
3420-01 [Standard Prongs] *Overall Length: 11.5" (29,2 cm)* *Handle Length: 6.5" (16,5 cm)* *Blade Width at Widest: 63 mm*
3420-05 [Narrow w/Standard Prongs] *Overall Length: 11.5" (29,2 cm)* *Handle Length: 6.5" (16,5 cm)* *Blade Width at Widest: 45 mm*
3420-06 *Overall Length: 11.5" (29,2 cm)* *Handle Length: 6.5" (16,5 cm)* *Blade Width at Widest: 45 mm*
7640 [Extra Leverage] *Overall Length: 17.5" (44,5 cm)* *Handle Length: 13" (33 cm)* *Blade Width at Widest: 63 mm*

USA MADE

New!

Narrow with Coating design modification by Lalit Puri, MD

Amstutz Femoral Head-Neck Elevator

Designed to elevate the proximal femur

PRODUCT NO'S:
3410 [Wide] *Overall Length: 12.25" (31,1 cm)* *Blade Width at Widest: 67 mm*
3410-01 [Narrow] *Overall Length: 12.25" (31,1 cm)* *Blade Width at Widest: 50 mm*

Designed by Harlan C. Amstutz, MD

USA MADE

APC Proximal Femoral Elevator

Elevates the proximal femur during total hip or hemi-arthroplasty surgery

Designed to elevate the proximal femur during total hip or hemi-arthroplasty surgery. Its unique design provides excellent access to the intramedullary canal. The elevator's geometry incorporates serrated edges to grip and elevate the proximal femur.

PRODUCT NO'S:
3421-00 [Standard] *Overall Length: 10.75" (27,3 cm)* *Blade Width at Widest: 63 mm*
3421-01 [Small] *Overall Length: 10.75" (27,3 cm)* *Blade Width at Widest: 50 mm*

Designed by APC, Inc.

USA MADE

INNOMED

Extra Leverage Femoral Neck Elevator

PRODUCT NO'S:
7650 [Standard] *Overall Length: 18.25" (46,4 cm)* *Handle Length: 9.25" (23,5 cm)* *Blade Width: 38 mm*
7650-02 [Short Handle] *Overall Length: 15.25" (38,8 cm)* *Handle Length: 6.25" (15,9 cm)* *Blade Width: 38 mm*

Designed by Wayne M. Goldstein, MD

USA MADE

Mueller-type Femoral Neck Elevator

Designed to elevate the proximal femur

PRODUCT NO'S:
3415 [Standard] *Overall Length: 13.5" (34,3 cm)* *Handle Length: 6.5" (16,5 cm)* *Blade Width at Widest: 25 mm*
3418 [Extra Deep] *Overall Length: 15.25" (38,8 cm)* *Handle Length: 6.5" (16,5 cm)* *Blade Width at Widest: 25 mm*

Extra Deep modified by Tom Eickmann, MD

USA MADE

Hur Modified Mueller-type Femoral Neck Elevator

Designed for the anterior approach to help expose the femoral calcar during broaching

The modified Mueller-type design non-forked end helps reduce stress risers and fractures.

PRODUCT NO:
3416 *Overall Length: 13" (33 cm)* *Handle Length: 6.5" (16,5 cm)* *Blade Width at Widest: 1.25" (31,7 mm)*

USA MADE

Wide blade design modification by John Hur, MD

Whelan Femoral Neck Elevator

Elevator has long tines to rest on the stronger bone at the base of the neck and calcar, and also fits well over the lesser trochanter and iliopsoas tendon to give excellent exposure for femoral broaching

PRODUCT NO:
3414 *Overall Length: 13.75" (34,9 cm)* *Depth from Bend: 1.5" (3,8 cm)* *Blade Width: 2,4 cm*

Designed by E. J. Whelan, III, MD

USA MADE

Stulberg Proximal Femoral Elevator

PRODUCT NO:
3420-09 *Overall Length: 14" (35,6 cm)* *Handle Length: 10" (25,4 cm)* *Blade Width at Widest: 48 mm* *Blade Width at Prongs: 24 mm*

Designed by S. David Stulberg, MD

USA MADE

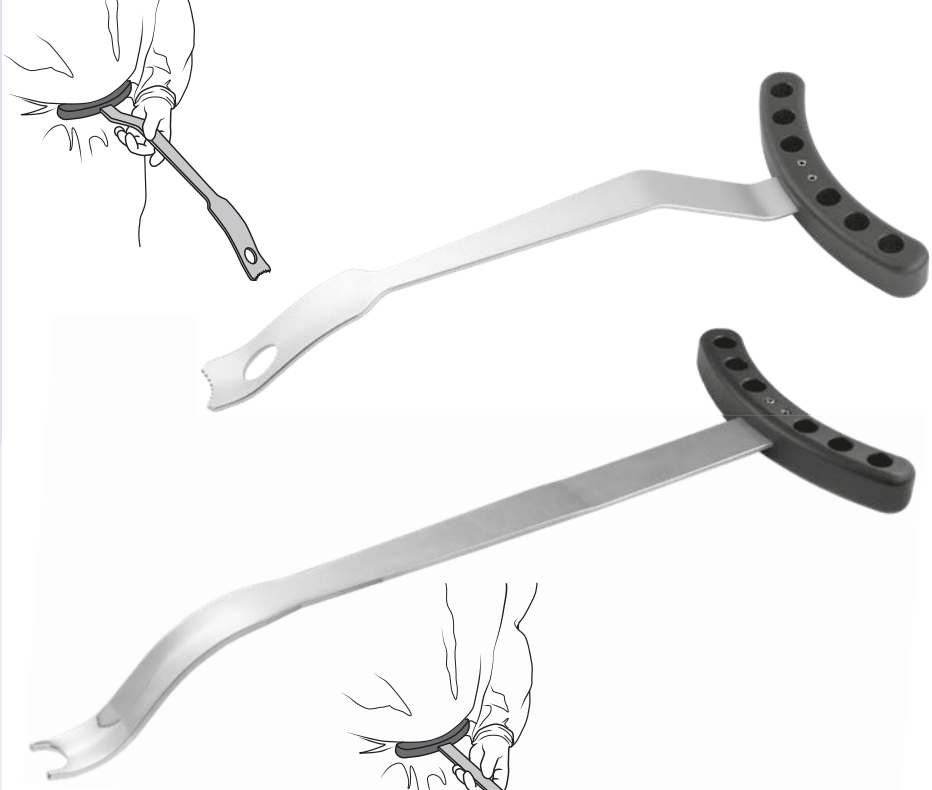
Hip Retractor with Waist Pad

Designed to help eliminate the use of another hand by resting the waist pad against the body for use during posterior THA

PRODUCT NO:
7557 *Overall Length: 14.25" (36,2 cm)* *Blade Width: 34 mm* *Blade Length: 4" (10,2 cm)* *Blade Hole: 23,6 mm x 15,4 mm*

USA MADE

Elevator designed by Luis Ulloa
Waist Pad designed by Christopher Blair, DO



Femoral Neck Elevator with Waist Pad

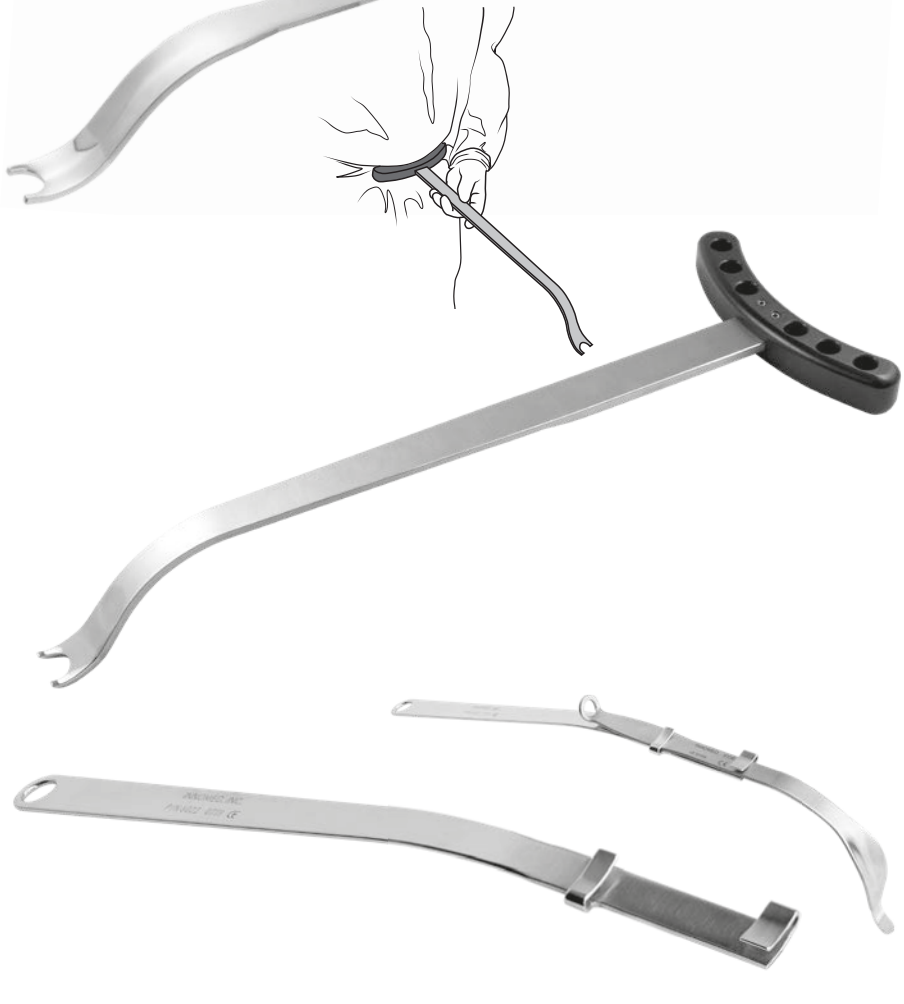
Designed to elevate the femoral neck for broaching

The waist pad allows the retractor to be wedged into the surgeons waistline to help control the elevator and maintain elevation of the femoral neck for broaching.

PRODUCT NO:
7556 *Overall Length: 18" (45,7 cm)* *Neck Width: 25 mm* *Blade Width: 25 mm*

Elevator designed by Luis Ulloa
Waist Pad designed by Christopher Blair, DO

USA MADE



Blair Narrow Femoral Neck Elevator with Waist Pad

Designed to elevate the femoral neck for broaching

The waist pad allows the retractor to be wedged into the surgeons waistline to help control the elevator and maintain elevation of the femoral neck for broaching.

PRODUCT NO:
3409 *Overall Length: 18" (45,7 cm)* *Neck Width: 19 mm* *Width at End: 25 mm*

Designed by Christopher Blair, DO

USA MADE

McPherson Retractor Extender

Designed to extend a standard retractor

Fits most retractors, providing additional retraction leverage.

PRODUCT NO:
6022 *Overall Length: 15.625" (39,7 cm)*

Designed by Ed McPherson, MD

USA MADE

Hand/Waist Rest Adapter

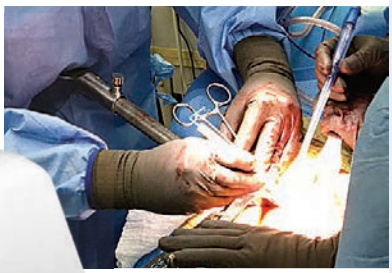
Allows for hands-free use of a femoral elevator during posterior approach hip arthroplasty

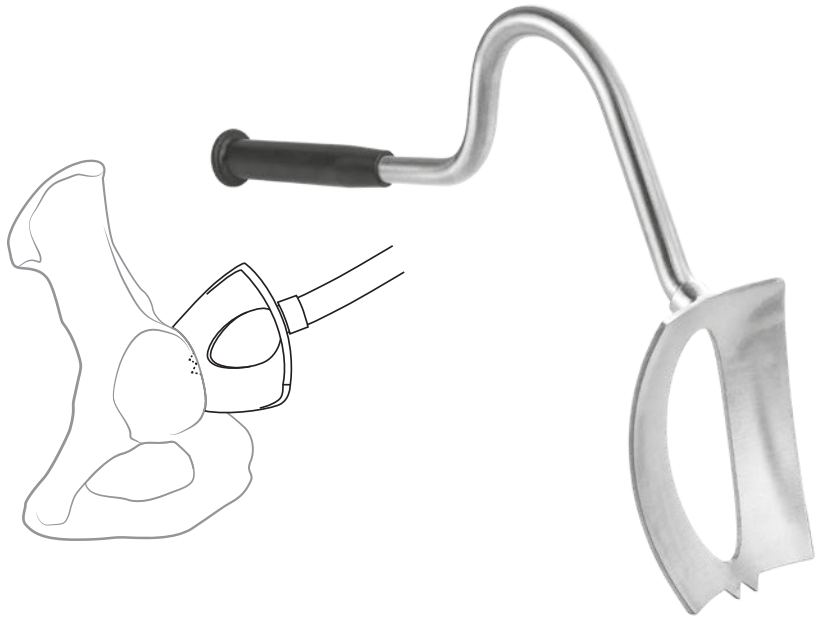
Locking screw tightens onto the handle of many retractors/ elevators to add a large surface for holding either by hand or by pressing into the waist.

PRODUCT NO:
8206 *Overall Length: 8" (20,3 cm)* *Handle Insert Depth: 2.5" (6,4 cm)* *Handle Insert Internal Diameter: 1" (2,5 cm)* *Rest Pad Dimensions: 4" x 4" (10,2 x 10,2 cm)*

USA MADE

Designed by Matthew Clayton, MD





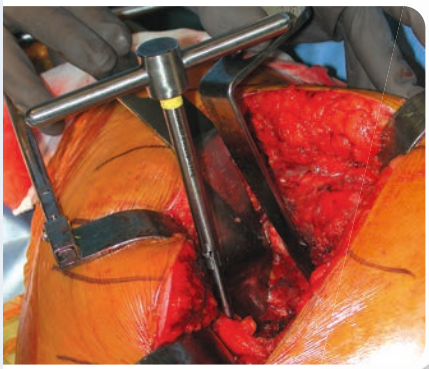
Stowell Modified Posterior Acetabular Retractor

Designed to be placed along the posterior rim of the acetabulum to facilitate exposure and acetabular preparation

PRODUCT NO:
7330 *Overall Length: 14.5" (36,9 cm)* *Handle Length: 5.25" (13,3 cm)* *Blade Depth: 4" (10,4 cm)* *Blade Width: 2.75" (7 cm)* *Prongs: 8 mm Wide x 6 mm Long*

Designed by R.L. Stowell, MD

USA MADE



Amstutz Acetabular Exposure Pin System

USA MADE

PRODUCT NO'S:
1200-00 [Set: Ins/Ext & Two Pins]
1200-0A [Set: Ins/Ext & Two Pins w/Stop]
Also sold Individually:
1200-01 [Inserter/Extractor]
1200-02 [Pin] *Overall Length: 4.5" (11,4 cm)* *Pin Depth: 2" (5,1 cm)* *Pin Diam.: 3.9 mm*
1200-03 [Pin with Stop] *Overall Length: 4.5" (11,4 cm)* *Pin Tip-to-Stop Depth: .75" (1,9 cm)* *Pin Diameter: 3.2 mm*
1200-04 [Deep Pin] *Overall Length: 7" (17,8 cm)* *Pin Depth: 4.5" (11,4 cm)* *Pin Diameter: 3.9 mm*

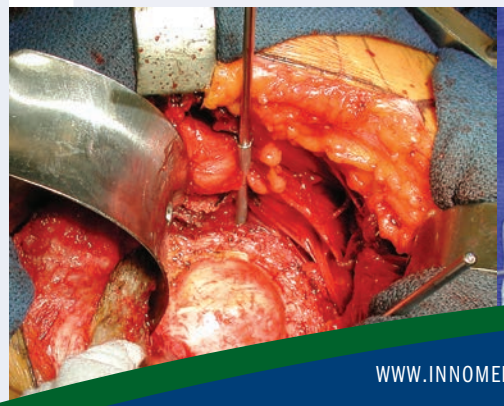
Designed by Harlan C. Amstutz, MD

Helpful tools for inserting/removing pins.

PRODUCT NO'S:
4020 [Pin Inserter]
3030 [Pin Inserter/Extractor]

Pin Inserter

Pin Inserter/Extractor



Tube and Extender Pins

Designed to help achieve wide exposure of the acetabulum during total hip arthroplasty

Tube pins with depth stops are inserted under direct visualization into the thick bone of the posterior column and illiac wing. Extender pins placed in the tube pins help keep the soft tissues from obstructing the view of the acetabulum. The low profile of the tube pins helps keep them out of the way of the surgeon. The extender pin can be removed or left in the tube pin depending on the size of the patient.

PRODUCT NO'S:
Packages of 10
1230 [Tube Pin] *Pin Diameter at End: 1/8" (3,2 mm)* *Overall Length: 70 mm* *Length to Stop: 20 mm*
1250 [Extender Pin] *Pin Diameter: 1/8" (3,2 mm)* *Overall Length: 100 mm*

USA MADE

Self-Retaining Hip Surgery Retractor System

Designed by S. David Stulberg, MD

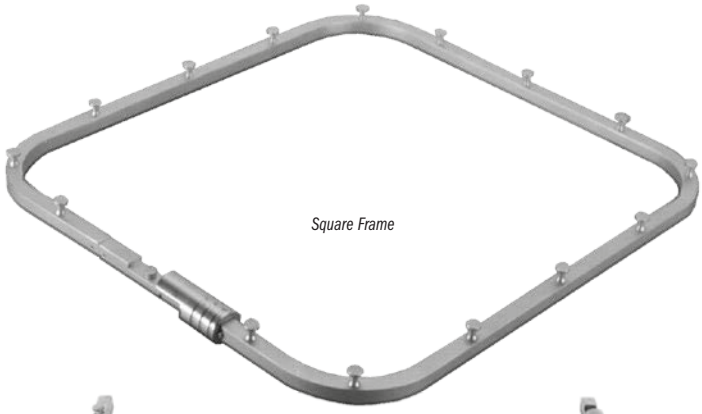


Helps to free assisting personnel while providing excellent exposure during hip arthroplasty and hip fracture surgery

Square Frame

PRODUCT NO:
7450-01D *12.75" x 11.25" (32,4 cm x 28,6 cm)*

USA MADE

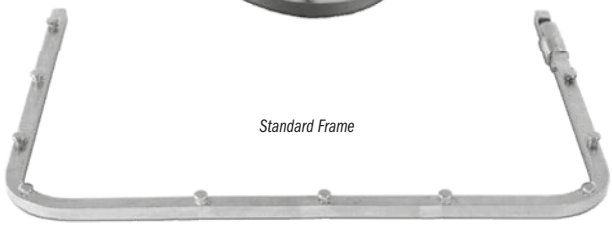


Square Frame

Standard Frame

PRODUCT NO'S:
7450-01A [Standard] *12.75" x 9.5" (32,4 cm x 24,1 cm)*
7450-01B [Medium] *9.75" x 9.5" (32,4 cm x 24,1 cm)*

USA MADE



Standard Frame

Double Locking Standard Frame

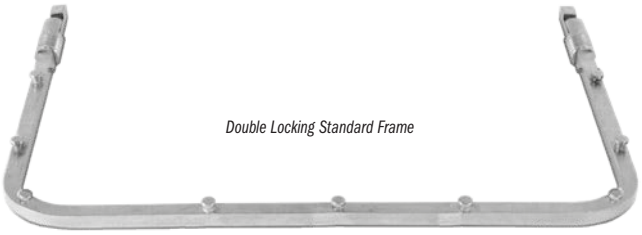
Designed with a second sliding blade lock for enhanced stability, especially in obese patients

Allows both locked blades to be fully adjustable, yet with the ability to be securely fixed, diminishing the chance for shifting, and allowing for more secure self-retaining exposure.

PRODUCT NO'S:
7430 [Standard] *12.75" x 9.5" (32,4 cm x 24,1 cm)*

USA MADE

Designed by Matthew P. Lorei, MD



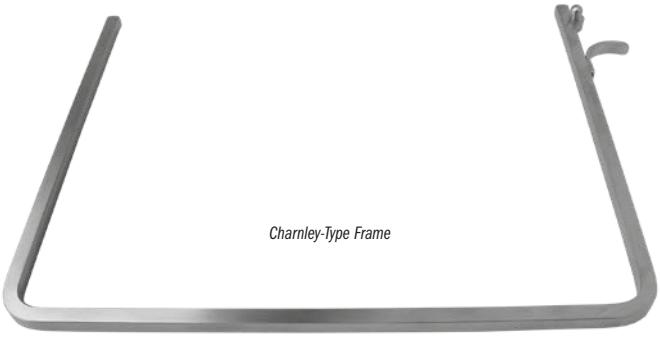
Double Locking Standard Frame

Charnley-Type Frame

Can be used with any blade

USA MADE

PRODUCT NO'S:
7445 [Standard] *12" x 9.5" (30,5 cm x 24,1 cm)*
7445-01B [Narrow] *10" x 9.5" (25,4 cm x 24,1 cm)*
Charnley-type frames come standard with 1 each:
7445-02 *Rounded 2" (5,1 cm) Charnley Blade*
7450-02 *2" (5,1 cm) Standard Blade*
7455-02 *2" (5,1 cm) Charnley Blade*
Frames also sold individually:
7445-01 [Standard]
7445-01B-01 [Narrow]



Charnley-Type Frame

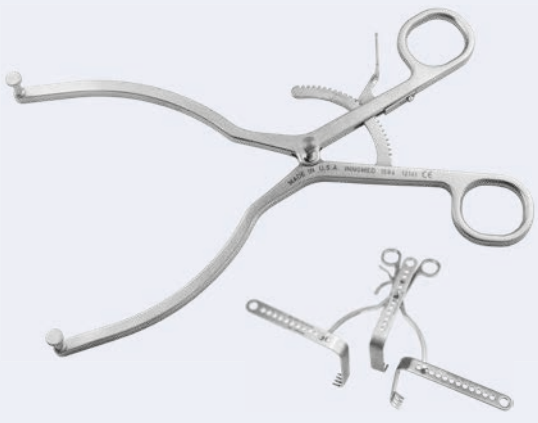
Self-Retaining Tension Retractor

The expandable design allows for a wide variety of charnley-style blades to be used for exposure in total joint and trauma procedures

Retractor handle only – blades not included.

PRODUCT NO:
1586 [Tension Retractor] *Overall Length: 8.875" (22,5 cm)* *Maximum Width at Pegs: 8" (20,3 cm)*

USA MADE

INNOMED

Standard Blades

PRODUCT NO'S:	
Handle Length: 6" (15,2 cm)	
7450-02	*2" (5,1 cm) blade depth*
7450-03	*3" (7,6 cm) blade depth*
7450-04	*4" (10,2 cm) blade depth*
7450-05	*5" (12,7 cm) blade depth*
7450-06	*6" (15,2 cm) blade depth*

Standard Blades with T-Handle

T-bar handles help prevent the hand from slipping

PRODUCT NO'S:	
7450-02T	*2" (5,1 cm) blade depth*
7450-03T	*3" (7,6 cm) blade depth*
7450-04T	*4" (10,2 cm) blade depth*
7450-05T	*5" (12,7 cm) blade depth*
7450-06T	*6" (15,2 cm) blade depth*

Long Standard Blades

PRODUCT NO'S:	
Handle Length: 8" (20,3 cm)	
7451-02	*2" (5,1 cm) blade depth*
7451-03	*3" (7,6 cm) blade depth*
7451-04	*4" (10,2 cm) blade depth*
7451-05	*5" (12,7 cm) blade depth*
7451-06	*6" (15,2 cm) blade depth*

2.5" Blade with Teeth

New!

PRODUCT NO:	
C1013	
Overall Length: 6.75" (17,1 cm) *Handle Length: 6.375" (16,2 cm)* *Blade Depth: 2.5" (6,4 cm)* *Blade Width: 1" (2,54 cm)*	

Mobile Body Assemblies

PRODUCT NO:	
7447	[One Body Assembly]

Position retractors exactly where you want them!

Moveable-peg system allows for precise interoperative retractor positioning adjustments

Works with any existing frame system

3-Prong Rake Blade

PRODUCT NO:	
7450-10A	*1" (2,5 cm) blade depth*

5-Prong Rake Blade

PRODUCT NO:	
7450-10B	*1" (2,5 cm) blade depth*

Toy Anterior Modified Hibbs Blades

Designed by Patrick Toy, MD

Designed to separate/protect the medial (rectus femoris) and lateral (tensor fascia lata) soft tissues without an assistant holding an additional instrument when used in conjunction with a self-retaining frame system. The modifications of the blade help maintain its position while helping to minimizing risk to neurovascular structures.

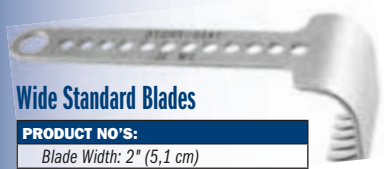
PRODUCT NO'S:	
7453	[Standard] *3.875" (9,8 cm) blade depth*
7454	[Shallow] *2.75" (7 cm) blade depth*

Extra Large Standard Blades

Designed by Andrew D. Bunta, MD

Help retract soft tissue in larger patients

PRODUCT NO'S:	
7470-02	*2" (5,1 cm) blade depth*
7470-03	*3" (7,6 cm) blade depth*
7470-04	*4" (10,2 cm) blade depth*



Wide Standard Blades

PRODUCT NO'S:	
Blade Width: 2" (5,1 cm)	
7450-W-02	*2" (5,1 cm) blade depth*
7450-W-03	*3" (7,6 cm) blade depth*
7450-W-04	*4" (10,2 cm) blade depth*
7450-W-05	*5" (12,7 cm) blade depth*
7450-W-06	*6" (15,2 cm) blade depth*

Extra Wide Blades

Designed by Andrew D. Bunta, MD

PRODUCT NO'S:	
Blade Width: 2.75" (7 cm)	
7460-01	*2.5" (5,1 cm) blade depth*
7460-02	*3.25" (8,3 cm) blade depth*

Soft Tissue Blades

PRODUCT NO'S:	
7450-09A	[Standard] *2" (5,1 cm) blade depth*
7450-09B	[Deep] *2.5" (6,4 cm) blade depth*

Hohmann Style Blades

PRODUCT NO'S:	
7450-08A	[Standard] *4" (10,2 cm) blade depth*
7450-08B	[Deep] *6" (15,2 cm) blade depth*

Bennett Style Blade

PRODUCT NO'S:	
7450-07A	[Standard] *4" (10,2 cm) blade depth*

Retractor Blades for Charnley-type Frame

PRODUCT NO'S:	
7445-02	*Rounded 2" (5,1 cm) blade depth*
7445-03	*Rounded 2.5" (6,4 cm) blade depth*
7445-04	*Rounded 3.5" (8,9 cm) blade depth*
7455-02	*2" (5,1 cm) blade depth*
7455-03	*3" (7,6 cm) blade depth*
7455-04	*4" (10,2 cm) blade depth*
7455-06	*6" (15,2 cm) blade depth*

Wedges for Frames

Help stabilize retractor blades

PRODUCT NO'S:	
7450-89	[Thin Wedge] *Overall Length: 1.75" (4,4 cm)* *Wedge Thickness: 4 mm*
7450-99	[Thick Wedge] *Overall Length: 1.75" (4,4 cm)* *Wedge Thickness: 8 mm*

Rosen "V" Deep Soft Tissue Retractor

Designed for soft tissue retraction with an ergonomic handle

PRODUCT NO:
6239 *Overall Length: 12" (30,5 cm)* *Blade Depth: (3.5" (8,9 cm)* *Blade Width: 1.75" (4,4 cm)*

Designed by Adam Rosen, MD

USA MADE

Alvi Small Charnley Style Locking Frame Set

Self-retaining frame and retractor system designed for anterior total hip arthroplasty

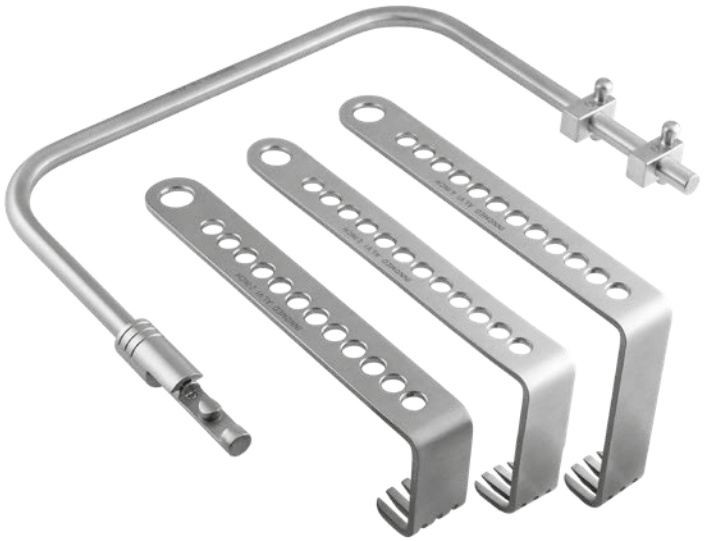
The blades help retract the hip capsule and musculature, permitting an unobstructed view of the acetabulum while freeing an assistant.

PRODUCT NO'S:
7425-00 [Set]
Also available individually:
7425-01 [Small Locking Frame] *Dimensions: 9" x 7" (22,9 cm x 17,8 cm)*
7425-02 [2" Tapered Blade] *Blade Depth: 2" (5,1 cm)* *Handle Length: 7" (17,8 cm)* *Blade Width: 1" (2,54 cm)*
7425-03 [3" Tapered Blade] *Blade Depth: 3" (7,6 cm)* *Handle Length: 7" (17,8 cm)* *Blade Width: 1" (2,54 cm)*
7425-04 [4" Tapered Blade] *Blade Depth: 4" (10,2 cm)* *Handle Length: 7" (17,8 cm)* *Blade Width: 1" (2,54 cm)*

Set comes with locking frame (7425-01) and one each of the three blade sizes: 2" (7425-02), 3" (7425-03), and 4" (7425-04)

Designed by Hasham Alvi, MD

USA MADE



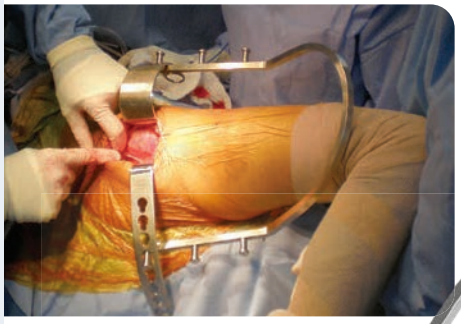
Charnley/Sorrells Low-Profile Hip Arthroplasty Retractor System

Conforms to the thigh, providing low-profile self-retaining exposure of the femur and acetabulum in Total Hip Arthroplasty

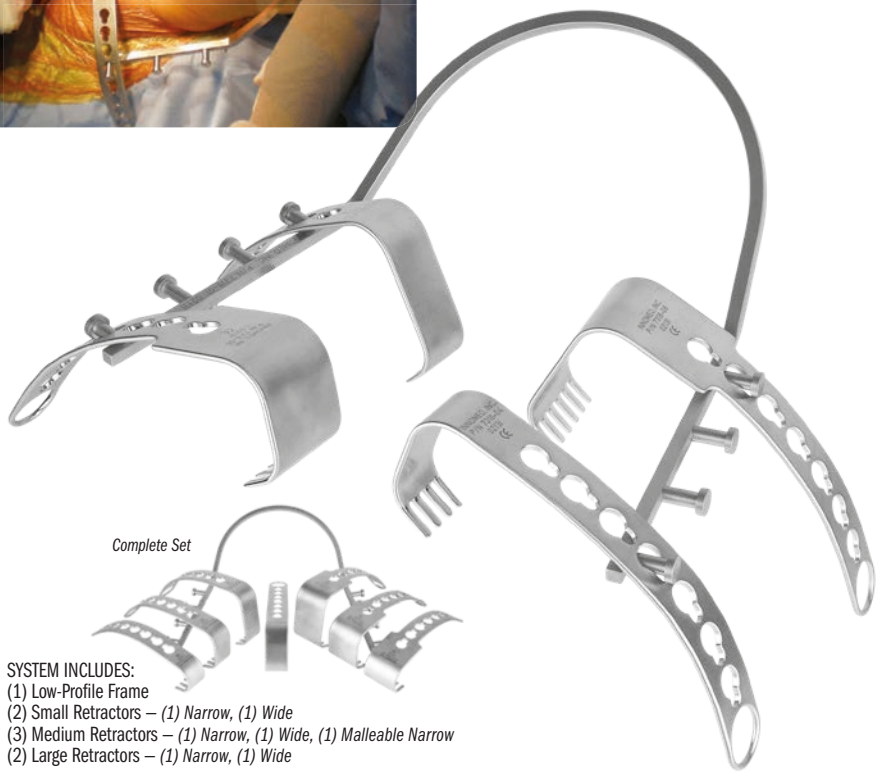
USA MADE

PRODUCT NO'S:
7318-00 [Complete System]
7318-01 [Low-Profile Frame] *Length: 14.5" (36,9 cm)* *Maximum Width: 12" (30,5 cm)*
7318-02 [Small Narrow Blade] *Blade Width: 1.25" (3,2 cm)* *Blade Depth: 1.25" (3,2 cm)* *Overall Length: 8.5" (21,6 cm)*
7318-03 [Small Wide Blade] *Blade Width: 2" (5,1 cm)* *Blade Depth: 1.25" (3,2 cm)* *Overall Length: 8.5" (21,6 cm)*
7318-04 [Medium Narrow Blade] *Blade Width: 1.25" (3,2 cm)* *Blade Depth: 2.25" (5,7 cm)* *Overall Length: 8.5" (21,6 cm)*
7318-05 [Medium Wide Blade] *Blade Width: 2" (5,1 cm)* *Blade Depth: 2.25" (5,7 cm)* *Overall Length: 8.5" (21,6 cm)*
7318-06 [Medium Malleable Blade] *Blade Width: 1.25" (3,2 cm)* *Blade Depth: 2.25" (5,7 cm)* *Overall Length: 8.5" (21,6 cm)*
7318-07 [Large Narrow Blade] *Blade Width: 1.25" (3,2 cm)* *Blade Depth: 3.25" (8,3 cm)* *Overall Length: 8.5" (21,6 cm)*
7318-08 [Large Wide Blade] *Blade Width: 2" (5,1 cm)* *Blade Depth: 3.25" (8,3 cm)* *Overall Length: 8.5" (21,6 cm)*

Designed by R. Barry Sorrells, MD

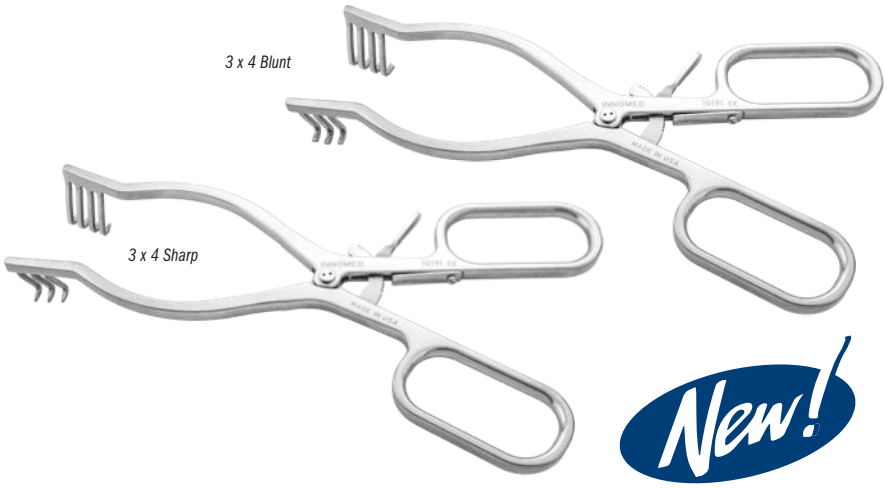


- Provides a varied selection of blades, both pre-shaped and malleable, for both superficial and deep retraction
- Curved blades conform with the thigh
- Self-retaining and easily adjustable



Complete Set

SYSTEM INCLUDES:
(1) Low-Profile Frame
(2) Small Retractors – *(1) Narrow, (1) Wide*
(3) Medium Retractors – *(1) Narrow, (1) Wide, (1) Malleable Narrow*
(2) Large Retractors – *(1) Narrow, (1) Wide*



New!

Whelan Large Anterior Hip Weitlaner Retractor

Designed for self-retaining exposure during anterior approach THA

PRODUCT NO'S:
1576-B [Blunt] *Overall Length: 9" (22,9 cm)* *Blade Depth: 1" (2,54 cm)*
1576-S [Sharp] *Overall Length: 9" (22,9 cm)* *Blade Depth: 1" (2,54 cm)*

USA MADE

Designed by Edward J. Whelan III, MD

Double Bent Extended Deep Tissue Retractor

Designed to help maximize exposure with 90° arms and deep tissue blades

PRODUCT NO:
1859 *Overall Length: 8" (20,3 cm)* *Handle-to-Bend Length: 6" (15,2 cm)* *Drop Depth: 3" (7,6 cm)* *Prongs: 1.375" Deep x 1.375" Wide (3,5 x 3,5 cm)*

USA MADE

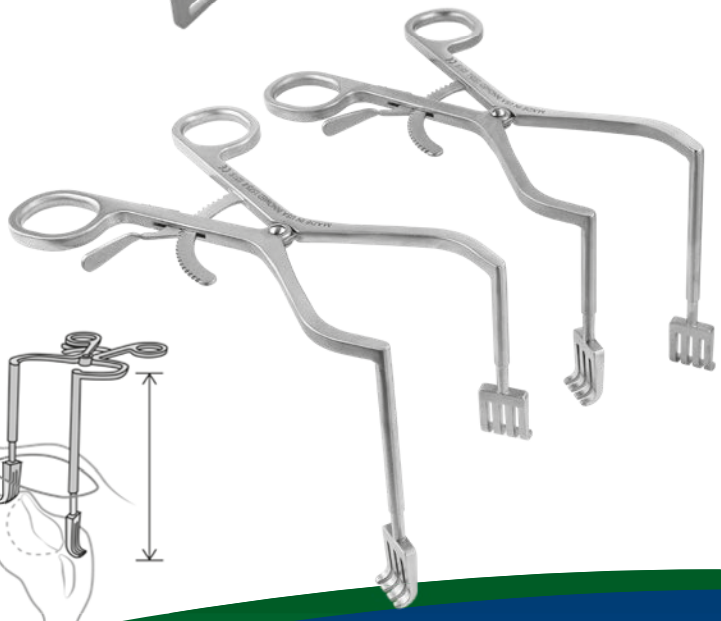
Alvi Beckman Self-Retaining Retractor

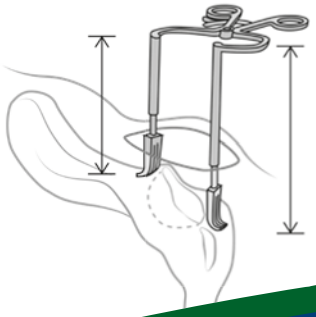
Designed for direct anterior approach hip arthroplasty, the wide, blunt and curved teeth help provide for better self-retaining retraction during dissection through the superficial and deep tissue planes to expose the hip joint

PRODUCT NO:
1577 *Overall Length: 13" (33 cm)* *Length to Bend: 9.625" (24,4 cm)* *Depth when Full Bent: 3.125" (7,9 cm)*

Designed by Hasham Alvi, MD

USA MADE





Durham Offset Zelpi Retractor

Staggered depth retractor designed for exposure during total hip and total shoulder surgery

- In hip surgery, with the handle towards the surgeon, the longer leg is on the inside.
- In shoulder surgery, with the handle downward, the longer leg is on the ouside.
- The longer leg extends 1.1" (2,8 cm) deeper.

PRODUCT NO'S:
1573-L [Left] *Overall Length: 8.5" (21,6 cm)* *Leg Depths: 3.1" & 4.2" (7,9 cm & 10,7 cm)*
1573-R [Right] *Overall Length: 8.5" (21,6 cm)* *Leg Depths: 3.1" & 4.2" (7,9 cm & 10,7 cm)*

Designed by Alfred Durham, MD

USA MADE

Flat Gelpi Retractors

Designed to help retract a broader area of soft tissue or muscle

The two largest sizes feature double ergonomic handles for increased comfort and control.

PRODUCT NO'S:
4191 [Small] *Overall Length: 6.5" (16,5 cm)* *Prong Depth: 1.25" (3,2 cm)*
4192 [Medium] *Overall Length: 7.25" (18,4 cm)* *Prong Depth: 1.75" (4,4 cm)*
4193 [Large] *Overall Length: 9" (22,9 cm)* *Prong Depth: 3" (7,6 cm)*
4194 [Deep] *Overall Length: 10" (24,4 cm)* *Prong Depth: 5" (12,7 cm)*

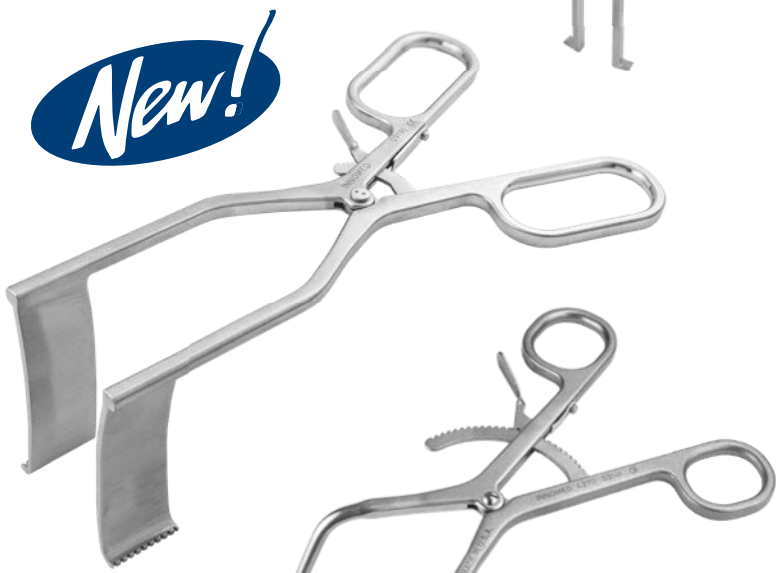
USA MADE

Meyerding Spreader

A self-retaining soft tissue retractor for use in hip, knee, and shoulder surgery

PRODUCT NO:
6244 *Overall Length: 8.5" (21,6 cm)* *Blade Depth: 3.5" (8,9 cm)* *Blade Width: 1" (2,54 cm)*

MADE EXCLUSIVELY FOR INNOMED IN GERMANY



Romanelli Deep Gelpi Retractor

Offers the versatility and ability to be used in minimally invasive total hip replacements

Can be used to hold the hip capsule out of the way for easy visualization, and to allow reaming of the acetabulum without catching the capsule in the reamer. The ends of the retractor have dull tips to help avoid soft tissue damage. Wider separation occurs at the deep capsule level. Holds the muscle out of the way while retracting the capsule.

PRODUCT NO:
4270 *Overall Length: 7.45" (18,9 cm)* *Depth from Bend: 5.125" (13 cm)* *Prong Length: .5" (13 mm)*

Designed by Ron Romanelli, MD

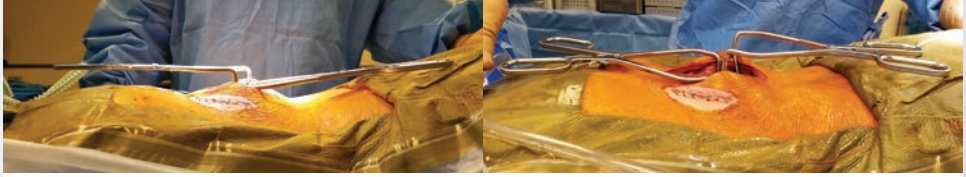
USA MADE

Gelpi Retractors

PRODUCT NO'S:
4180 [Standard] *Overall Length: 7.5" (19,1 cm)*
4181 [With Ergonomic Handle] *Overall Length: 7.5" (19,1 cm)*

USA MADE

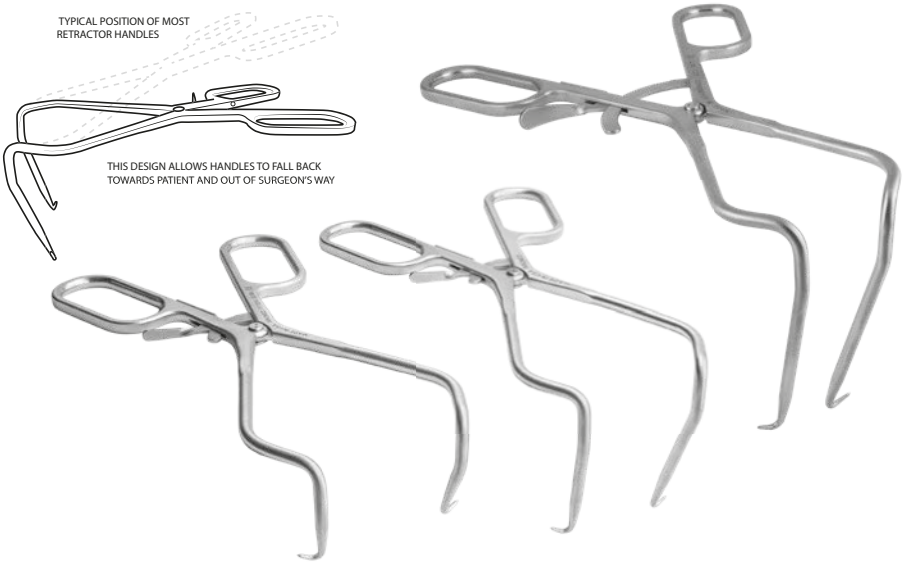
INNOMED



Rogozinski Reverse Angle Retractors

Designed to be self-leveling, helping to maintain the body of the retractor on the patient for soft tissue retraction and out of the surgeons field, with finger loops designed for use with either hand

Designed for spine but can be used for other surgeries as well.



PRODUCT NO'S:
4272 [Large] *Overall Length: 9" (22,9 cm)* *Length to Bend: 8.5" (21,6 cm)* *Depth: 4.25" (10,8 cm)*
4273 [Medium] *Overall Length: 8" (20,3 cm)* *Length to Bend: 8" (20,3 cm)* *Depth: 3" (7,6 cm)*
4274 [Small] *Overall Length: 8" (20,3 cm)* *Length to Bend: 8" (20,3 cm)* *Depth: 1.75" (4,4 cm)*

USA MADE

Designed by Chaim Rogozinski, MD

Namba Bone Graft Slide

Helps to efficiently guide allograft material into the acetabulum

Helps reduce waste of expensive allograft material by providing a holding trough and slide for effective, directed delivery.

PRODUCT NO'S:
6888 *Overall Length: 7.75" (19,7 cm)*

USA MADE

Designed by Robert S. Namba, MD

Double Ended Grater Cleaning Tool

Designed for right or left handed use to easily remove bone fragments from acetabular graters

PRODUCT NO:
8007 *Overall Length: 7" (17,8 cm)*

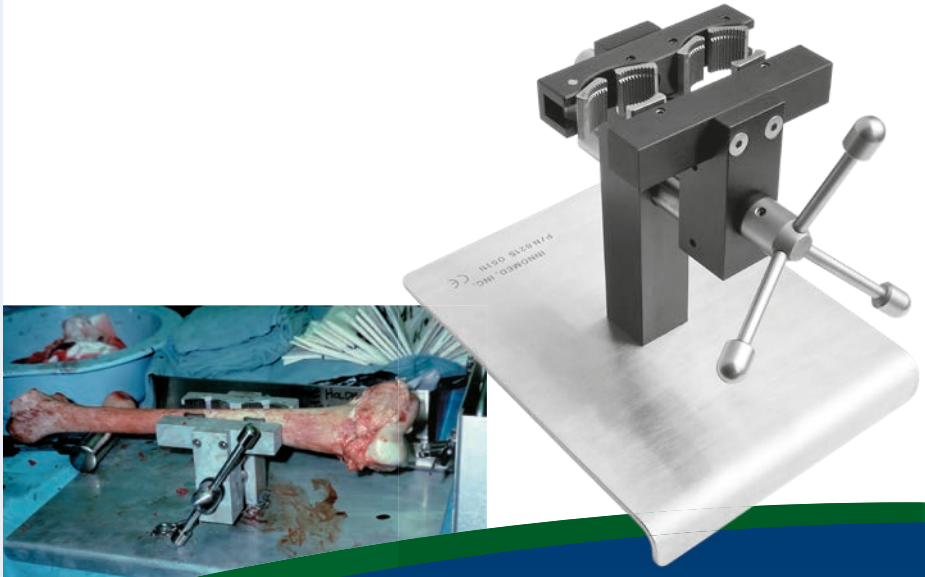
USA MADE

Designed by Brandon Thompson, CST/CFA

Allograft Bone Vise

Holds allograft bone for reaming, shaping or cutting

The vise is designed with two sets of vise jaws for reaming of two femoral heads and also for holding a long bone horizontally and vertically. The base plate is designed with a table flange for stabilization during use. The vise is completely autoclavable.



PRODUCT NO:
8215 *Base Dimensions: 8.25" x 11" (21 cm x 27,9 cm)*

USA MADE

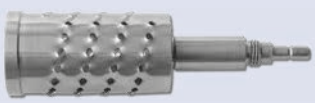
Bone Mill

Used to produce allograft material

MADE FOR INNOMED IN GERMANY

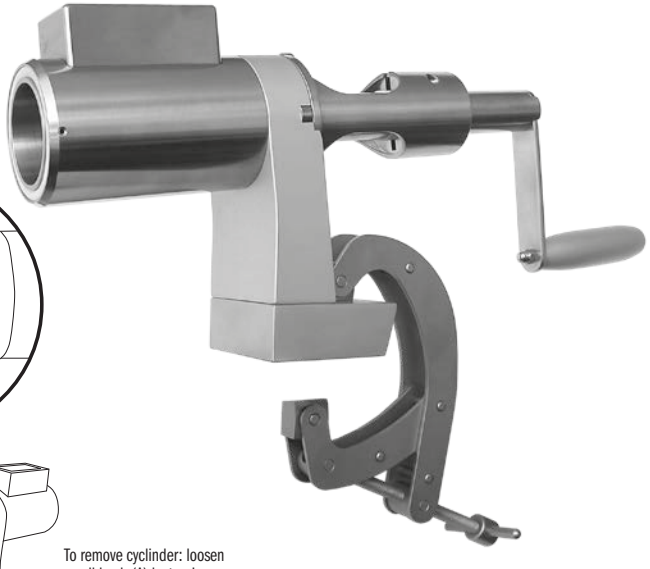
- Grinds bone of various densities
- Produces bone graft of excellent quality for impaction
- 2 cutting cylinders are included for variable size bone graft
- Attaches securely with table clamp
- Fully auto-clavable and easy to dismantle for cleaning
- Includes housing, two cutting cylinders, handle, push block and table clamp

PRODUCT NO'S:
8205 [Compete Unit including 2 Cylinders and Clamp] *Overall Length (without crank): 12" (30,5 cm)*
Replacement Cutting Cylinders:
8205-01 [3.2 mm Hole Diameter/ 5 Cutting Rows]
8205-02 [4.2 mm Hole Diameter/ 4 Cutting Rows]



Cutting Cylinder

Push Block



To remove cyclinder: loosen small knob (A) by turning counter-clockwise, then loosen the large knob (B) by turning clockwise. Reverse these instructions to install new cyclinder.

Rib Periosteal Rasp

PRODUCT NO:
C1004 *Overall Length: 17" (43,2 cm)* *Handle Length: 5" (12,7 cm)* *Rasp Pad: 7,5 x 12 mm*

USA MADE

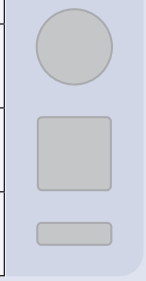
Bone Graft Impactors

Tap bone graft or bone parts into place with minimal bone trauma

Designed with serrated, stainless steel tips and available in three shapes: round, square and rectangular.

PRODUCT NO'S:
5310 [Round] *Head Diameter: 12.5 mm* *Overall Length: 9.5" (24,1 cm)* *Handle Length: 4.25" (10,5 cm)*
5320 [Square] *Head Dimensions: 10 mm x 10 mm* *Overall Length: 9.5" (24,1 cm)* *Handle Length: 4.25" (10,5 cm)*
5325 [Square with Delrin Tip] *Head Dimensions: 10 mm x 10 mm* *Overall Length: 9.5" (24,1 cm)* *Handle Length: 4.25" (10,5 cm)*
5330 [Rectangular] *Head Dimensions: 10 mm x 3 mm* *Overall Length: 9.5" (24,1 cm)* *Handle Length: 4.25" (10,5 cm)*

USA MADE



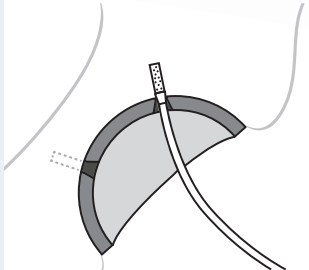
Malleable Bone Tamp – Extra Small

Designed to help impact bone into acetabular cup holes

PRODUCT NO:
5296-02 [Extra Small] *Overall Length: 11.4" (29 cm)* *Shaft Length: 5.9" (15 cm)* *Impactor Diameter: 6.5 mm*

Modified by Serge Kaska, MD & Amal Das, MD

USA MADE

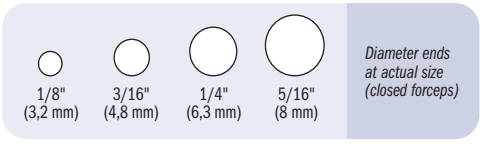


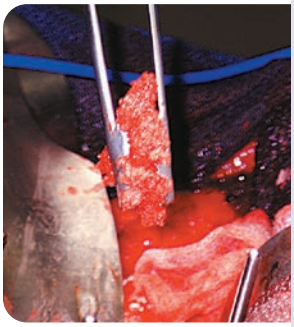
Malleable shaft can be contoured for different angles

Ortho Impactors

PRODUCT NO'S:
Overall Length: 9" (22,9 cm) *Shaft Diameter: 9 mm*
5331 [11 x 4 mm Rectangle]
5332 [12 x 7 mm Rectangle]
5333 [12 mm Tapered]
5334 [9 mm Square]
5335 [15 mm Round]
5336 [12 mm Round]
5337 [9 mm Round]

USA MADE





Universal Bone Grafting/ Impacting Forceps

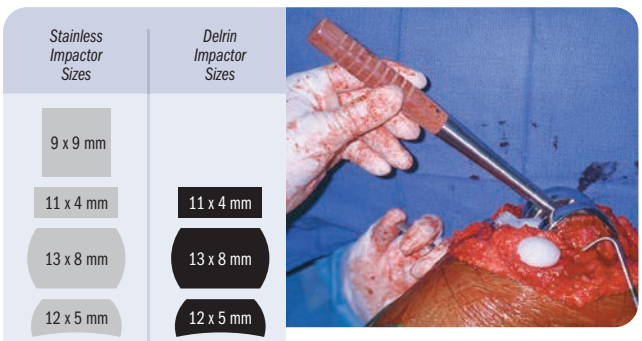
Bone graft can be grasped, placed & impacted without changing hands or instruments

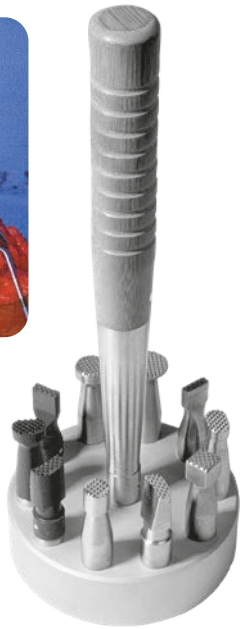
Designed with grasping ends for delivery of bone graft. When the graft is in place, the forceps are closed, which forms the ends into an impacting punch. A striking platform forms the end of the forceps for tapping and tamping the graft. Four end diameters are available in two lengths.

PRODUCT NO'S:	
Short: 6" (15,2 cm) Length	
5010-01	*1/8" (3,2 mm) Diameter End*
5010-02	*3/16" (4,8 mm) Diameter End*
5010-03	*1/4" (6,3 mm) Diameter End*
5010-04	*5/16" (8 mm) Diameter End*
Long: 10" (25,4 cm) Length	
5050-01	*1/8" (3,2 mm) Diameter End*
5050-02	*3/16" (4,8 mm) Diameter End*
5050-03	*1/4" (6,3 mm) Diameter End*
5050-04	*5/16" (8 mm) Diameter End*

Designed by J.A. Amis, MD

MADE EXCLUSIVELY FOR INNOMED IN GERMANY





Modular Impactor Set

Makes multiple impactor heads easily visible and available

Designed to have available to the operating surgeon multiple types of impactors utilizing one handle. The rack uses less space and allows the surgeon to quickly see the designs available. The impactors are supplied with stainless steel tips for bone and delrin tips which can be used against an implant for slight placement adjustments.

PRODUCT NO:
5370 [Complete Set] *Overall Handle Length: 8" (20,3 cm)* *Grip Length: 4.5" (11,4 cm)* *Impactor Head Lengths: 1.45" (3,7 cm)* *Base Diameter: 3.5" (8,9 cm)*

USA MADE

IHS Inclinometer

Helps to accurately predetermine angles for acetabular cup positioning and insertion—calibrated from 0 to 45°, the indicator may be used on the reamer shaft, the trial cup shaft and the cup impactor shaft

Designed to allow the surgeon to consistently and quickly achieve the desired component position during each step of acetabular preparation and component positioning: acetabular reaming, trial component positioning, and actual component insertion. Steam sterilizable.

PRODUCT NO:
1326 *Dimensions: 4" x 2" (10,2 cm x 5,1 cm)*

USA MADE

Designed by Craig J. Della Valle, MD

Bottom Profile with Magnets

AccuAngle Indicator

Helps to accurately predetermine angles for acetabular cup positioning and insertion

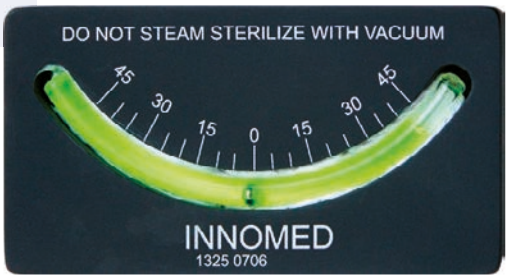
Calibrated from 0 to 45°, the indicator may be used on the reamer shaft, the trial cup shaft and the cup impactor shaft.

Designed to allow the surgeon to consistently and quickly achieve the desired component position during each step of acetabular preparation and component positioning: acetabular reaming, trial component positioning, and actual component insertion. Steam sterilizable without vacuum.

PRODUCT NO:
1325 *Dimensions: 4" x 2" (10,2 cm x 5,1 cm)*

USA MADE

Designed by S. David Stulberg, MD, A. Llinas, MD and J. Navas, MD



Ruler with 45° Angle Handle

Useful for measuring distances in small deep incisions

Ideal for measuring the distance from the lesser trochanter to the center of the trial femoral head during femoral sizing.

PRODUCT NO:
1430 *Handle Length: 5" (12,7 cm)* *Ruler Dimensions: 2.5" x .5" (6,4 cm x 1,3 cm)*

USA MADE

Designed by Richard A. Sanders, MD

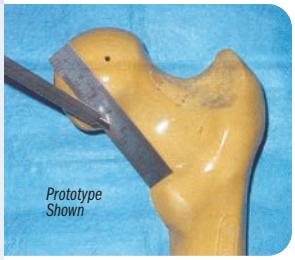
Ruler with Right Angle Handle

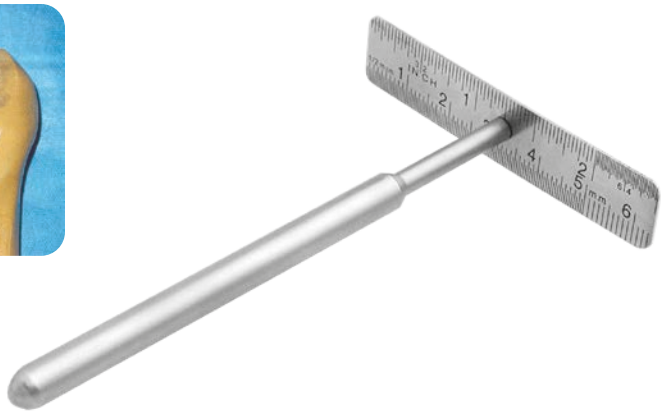
Designed to be used to measure the femoral head/neck length

Very helpful in minimally invasive surgery.

PRODUCT NO:
1450 *Handle Length: 4.25" (10,8 cm)* *Ruler Dimensions: 2.5" x .5" (6,4 cm x 1,3 cm)*

USA MADE





INNOMED

Lombardi Self-holding X-ray Magnification Marker

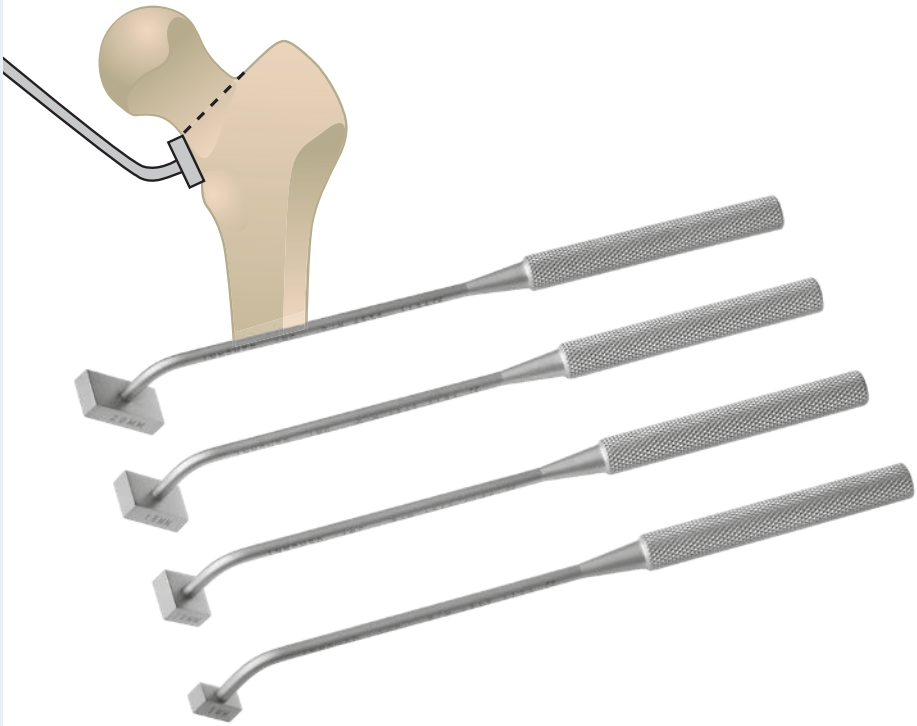
Helps to remove the variable of X-Ray magnification factor from the process of Orthopedic templating. The flexible, adjustable arm can help reduce patient (and technologist) embarrassment or discomfort when it is required to be positioned in a sensitive area such as the inner thigh.

Fully positionable, this orthopedic X-Ray calibration and marking device features a 1" (2,54 cm) stainless steel ball which, when properly positioned at bone level on a precise anatomical plane, will be this exact size when viewed from all angles, allowing it be used as a calibration marker in surgical planning software applications, helping to gauge the size of other components on that plane. This helps establish precise anatomical measurement.

PRODUCT NO:
2672 *Base Dimensions: 11" x 5.25" (27,9 cm x 13,3 cm)* *Post Height: 7" (17,8 cm)* *Arm Maximum Length: 13" (33 cm)*

USA MADE

Designed by Adolph Lombardi, MD



Sanders Femoral Neck Cutting Blocks

Designed to help with accurate placement of the femoral neck osteotomy in total hip surgery

Used to measure the distance from the proximal end of the lesser trochanter to the level of the femoral neck osteotomy. The desired level of the femoral neck osteotomy is determined by preoperative planning. The exact level of the femoral osteotomy helps with leg length, either maintaining equal leg length or correcting leg length discrepancies.

PRODUCT NO'S:	
Overall Length: 6.5" (16,5 cm)	
4555 *Block: 5 x 10 mm*	4565 *Block: 10 x 15 mm*
4560 *Block: 10 x 10 mm*	4570 *Block: 10 x 20 mm*

Designed by Richard A. Sanders, MD

USA MADE

Level has magnets on the bottom

Sterilizable Level

Steam sterilizable without vacuum for use in surgery

Helpful in hip surgery to ensure the leg is in the same position when checking leg length.

PRODUCT NO:
1180 *Dimensions: 2" x .5" x .75" (5,1 cm x 1,3 cm x 1,9 cm)*

USA MADE

Leg Length Caliper

Designed to help measure and evaluate pre- and post-THR leg length in conjunction with X-ray calibration and clinical judgement

The caliper utilizes a 5/32" (4 mm) pin in the iliac crest and a 1/8" (3,2 mm) pin in the greater trochanter. (The soft tissue is cleared away and a single drill hole is drilled in the trochanter to accomodate the distal pin, and the hole is marked with methyline blue so it can be easily found.)

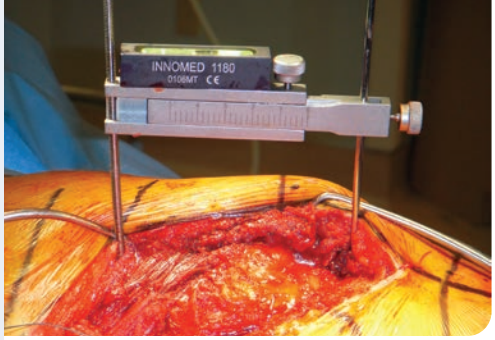
Alternatively, a 7.3 mm cannulated screw that accepts a 3.2 mm pin may be used in the greater trochanter. Using the sliding caliper, the difference in leg length measurement before hip dislocation and after the THR procedure helps show the change in leg length.

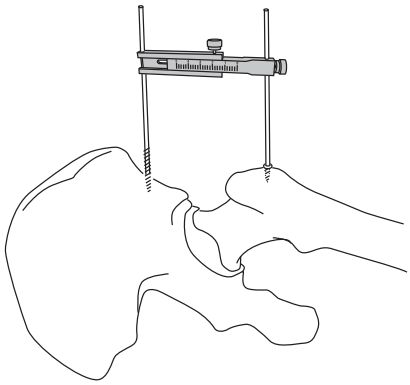
A Sterilizable Level is included in the set, which helps to ensure the leg is in the same plane when initially putting the leg length caliper on and when reattaching the caliper.

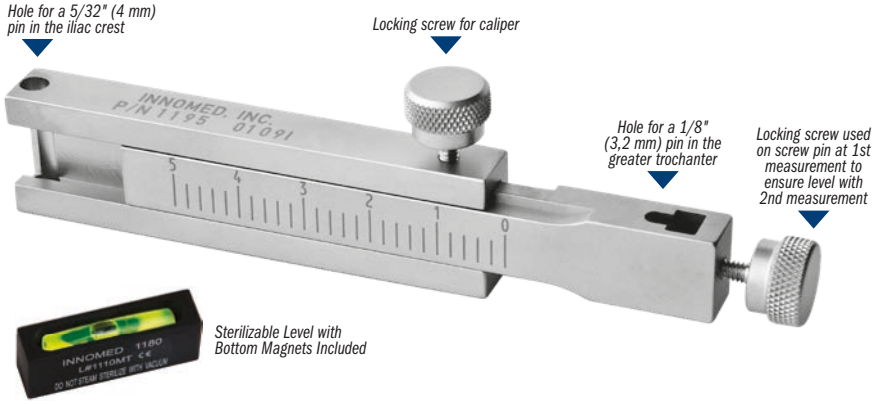
PRODUCT NO'S:
1195 [Complete Set] *Includes: Caliper, Sterilizable Level, and Sterilization Case*
Individual/Replacement Parts:
1195-01 [Caliper Only] *Overall Length: 4.5"-6.5" (11,4 cm-16,5 cm)*
1180 [Sterilizable Level Only] *Dimensions: 2" x .5" x .75" (5,1 cm x 1,3 cm x 1,9 cm)*
1025 [Sterilization Case]

Designed by Michael Koonin, MD

USA MADE







Sterilizable Level with Bottom Magnets Included

Koonin Leg Length Caliper - Small

Designed for use in small incisions to help measure and evaluate pre- and post-THR leg length in conjunction with X-ray calibration and clinical judgement

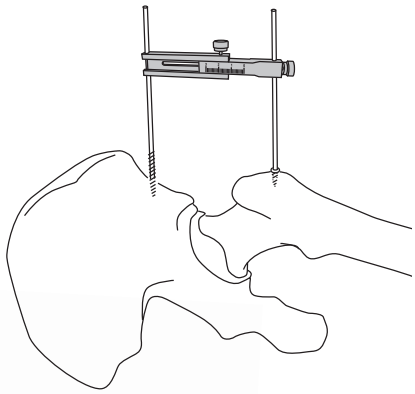
Utilizes a 5/32" (4 mm) threaded pin (dull on the outer end) in the iliac crest and a 1/8" (3,2 mm) pin in the greater trochanter. (The soft tissue is cleared away and a single drill hole is drilled in the trochanter to accomodate the distal pin, and the hole is marked with methyline blue so it can be easily found.)

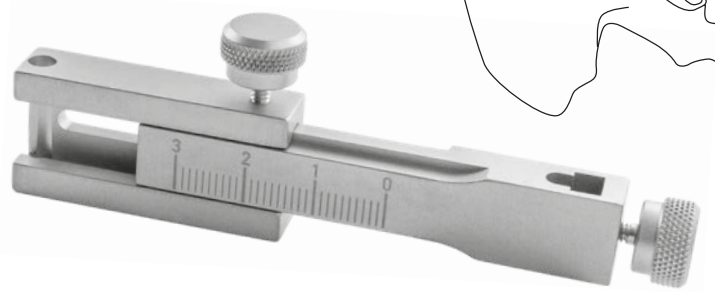
Alternatively, a 7.3 mm cannulated screw that accepts a 3.2 mm pin may be used in the greater trochanter. Using the sliding caliper, the difference in leg length measurement before hip dislocation and after the THR procedure helps show the change in leg length.

PRODUCT NO:
1196 *Overall Length: 3.25-4.5" (8,3 cm-11,4 cm)*

USA MADE

Designed by Michael Koonin, MD





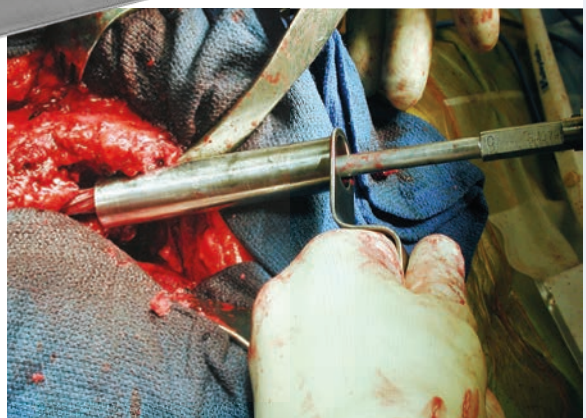
Tissue Protector

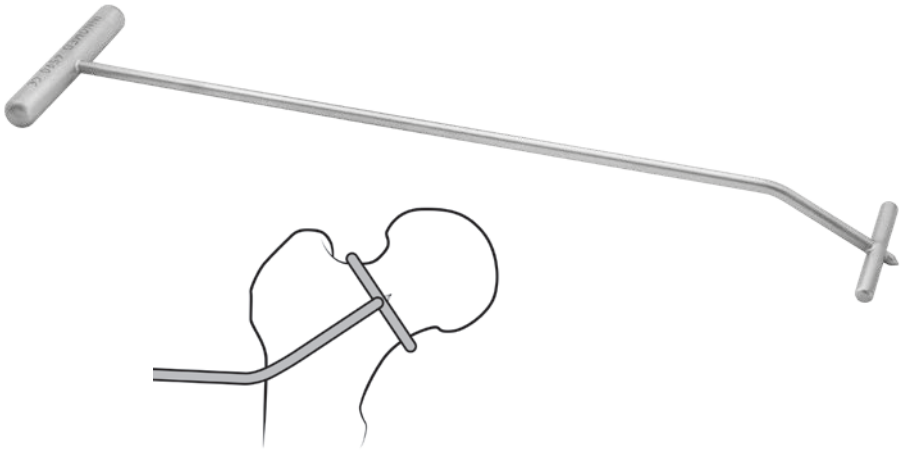
Helps protect tissue when a straight reamer is being used

Designed to be used when a straight reamer is being used in a bone canal. Very useful in minimally invasive total hip arthroplasty.

USA MADE

PRODUCT NO'S:	
5480-01 *Inside Diameter: 1,9 cm* *Overall Length: 6.5" (16,5 cm)* *Tube Depth: 3.875" (9,8 cm)*	5480-02 *Inside Diameter: 2,4 cm* *Overall Length: 6.5" (16,5 cm)* *Tube Depth: 3.875" (9,8 cm)*





Kenerly Femoral Neck Cutting Guide

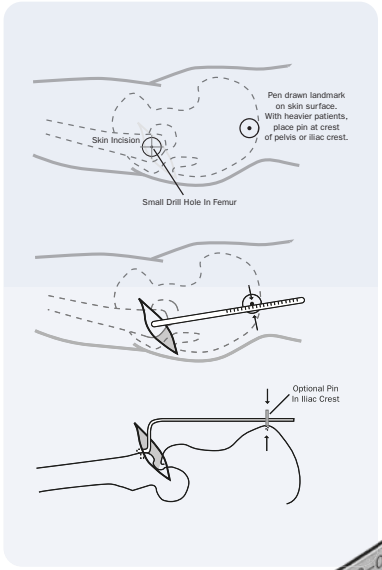
Designed for use during the anterior approach for THA to help determine the femoral neck osteotomy location

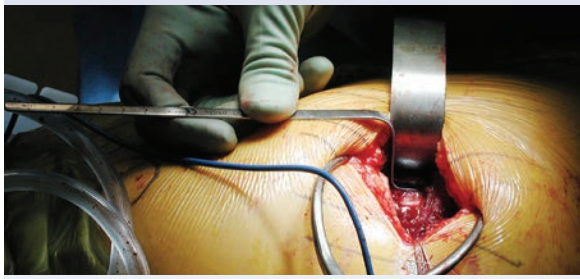
The guide is placed on the femoral neck and adjusted using the intraoperative C-arm image to visualize and compare to the pre-op templating, providing an excellent location for the initial femoral neck osteotomy

PRODUCT NO:
4590 *Overall Length: 8.25" (21 cm)* *Handle Length: 1.9" (4,8 cm)* *Cutting Guide Bar Length: 1.22" (3,1 cm)* *End of Bar to Tip Length: 3.5 mm* *Shaft Angle at End: 30°* *Shaft Diamter .125" (3,2 mm)*

Designed by
J. Lex Kenerly, III, MD

USA MADE





Wixson Leg Length Gauge

Used for interoperative leg length measurement during minimally invasive total hip arthroplasty

Fits in 5/64 drill hole in trochanter underneath fascia and skin incision. Measures to a skin mark over the iliac crest with the leg supported in a standardized position (e.g. resting on a Mayo stand).

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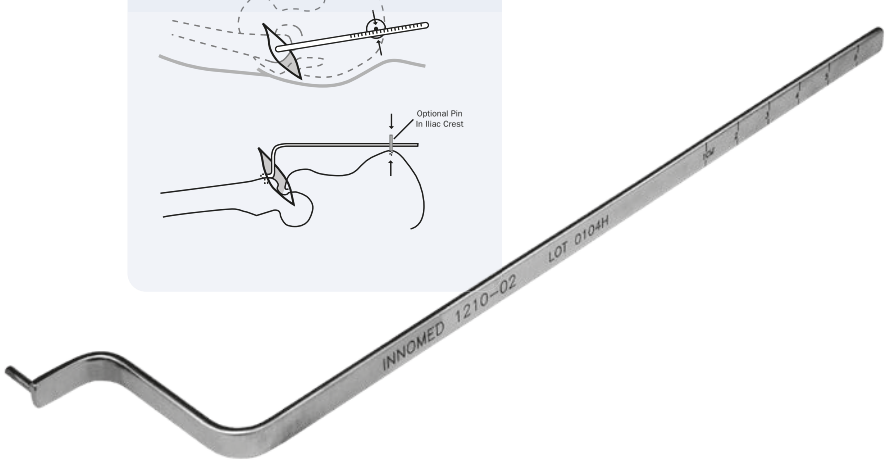
PRODUCT NO'S:	
1210-02 *Depth: 2" (5,1 cm)* *Overall Length: 8" (20,3 cm)* *Length-to-bend: 7" (17,8 cm)* *Pin Length: 10 mm*	1210-03 *Depth: 2.75" (7 cm)* *Overall Length: 8" (20,3 cm)* *Length-to-bend: 7" (17,8 cm)* *Pin Length: 10 mm*

Designed by R.L. Wixson, MD



Cannestra Hip Length Gauge

Helps determine leg length and hip offset in total hip arthroplasty, including minimally invasive techniques

Set consists of one Ruler, one Pin Inserter/Extractor Handle, one 100 mm Pin, one 130 mm Pin, and a case.

PRODUCT NO'S:
1327-00 [Set with Case]
Replacement Parts:
1327-01 [Pin – 100 mm]
1327-02 [T-Handle] *Dimensions: 8" x 5" (20,3 cm x 12,7 cm)*
1327-03 [Ruler]
1327-04 [Pin – 130 mm]
1025 [Sterilization Case]

Designed by
Vince Cannestra, MD

A detailed instruction brochure is available on our website.

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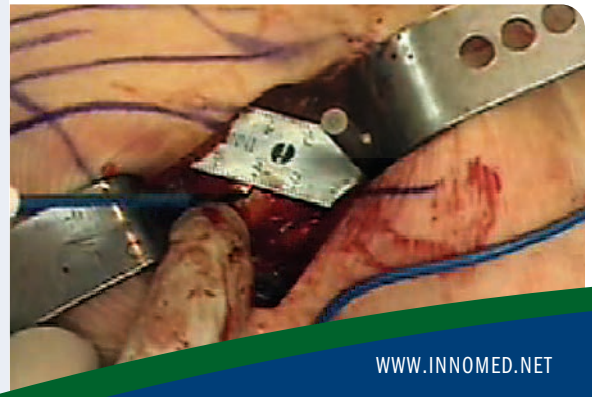


Extended Cup Positioner

Designed to help reposition an acetabular cup during total hip arthroplasty

Ultra hard titanium nitride coating helps to extend life by increasing surface hardness, prolonging sharpness, and resisting chemicals and corrosion.

PRODUCT NO:
5475-10 *Diameter: 8 mm* *Overall Length: 12.75" (32,4 cm)* *Handle Length: 4.75" (12,1 cm)* *Shaft Length: 8" (20,3 cm)*

Designed modification by James F. Kayvanfar, MD of an original design by Thomas Eickmann, MD

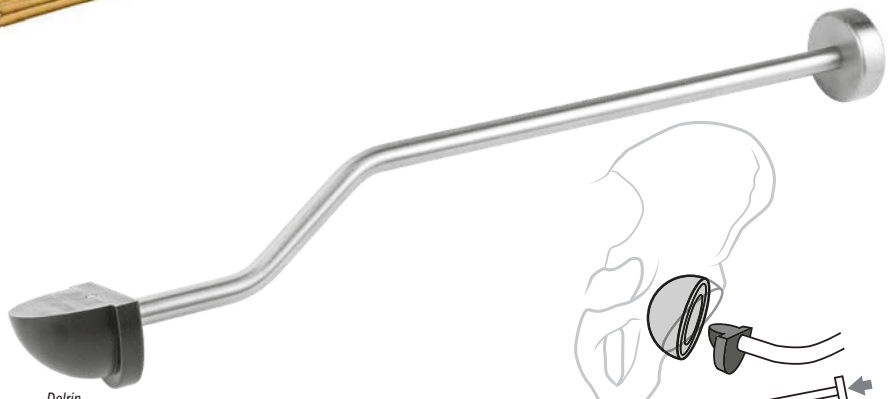
USA MADE

Blair Acetabular Cup Positioner

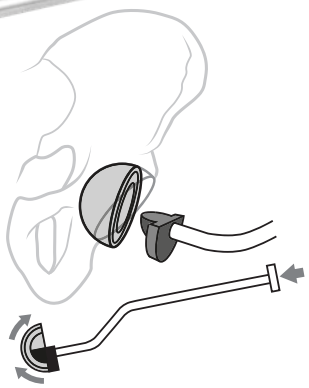
Designed to help adjust the position of an acetabular cup

USA MADE

PRODUCT NO:
4159 *Overall Length: 11.5" (29,2 cm)* *Shaft Offset: 1" (2,54 cm)* *Head Diameter: 1.18" Inside (30 mm / 1.5" Outside (38 mm)*



Delrin



Namba Hip Slide

Safely glides femoral heads into the acetabulum – essential for ceramic heads

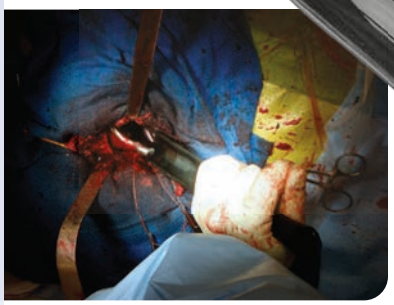
Helps reduce a femoral head trial and implant into the acetabulum during total hip surgery. Manufactured of delrin to help eliminate damage to the implant. Can be steam or gas sterilized and is radiolucent. Three sizes to accommodate different diameter heads.

PRODUCT NO'S:	
Overall Length: 12" (30,5 cm)	
6890	*For 22-40 mm heads*
6891	*For 40-48 mm heads*
6892	*For 50-60 mm heads*

Designed by Robert S. Namba, MD

USA MADE

Smallest size now accommodates up to 40 mm



Facilitates MIS hip replacement procedures

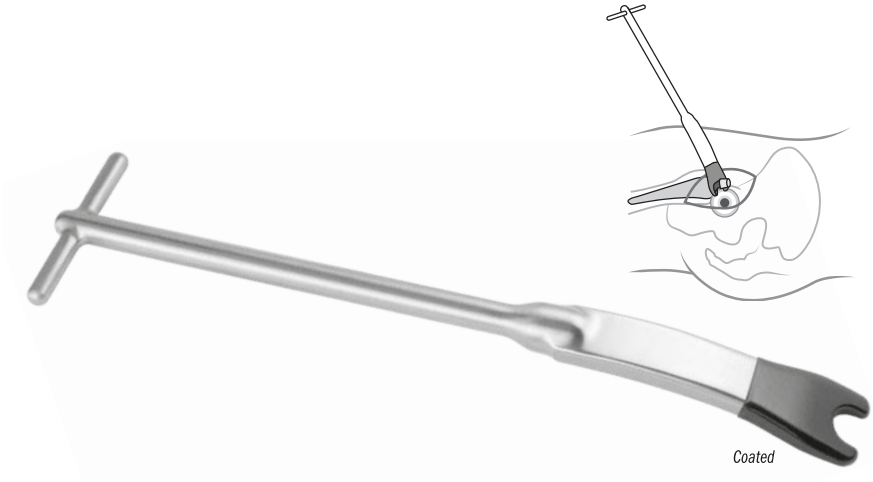
Doroodchi Coated Femoral Neck Mating Guide

Designed for controlled manipulation of femoral head/neck mating in SuperPATH THA approach

PRODUCT NO:
3419 *Overall Length: 11.75 (29,8 cm)* *Blade Width: 1.125" (29 mm)*

USA MADE

Designed by Hamidreza Doroodchi, MD



Coated

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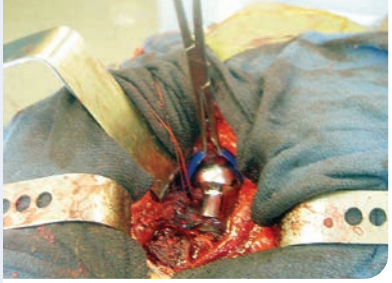


Modular Head Holder

Designed to hold 22 mm to 36 mm heads for ease of insertion in minimally invasive THR

Head holding ends are plastic coated to help eliminate any damage to the implant. Available in two lengths. Steam and gas sterilizable.

PRODUCT NO'S:
8290-01 *Overall Length: 7" (17,8 cm)*
8290-02 *Overall Length: 9" (22,9 cm)*

Designed by Byron E. Dunaway, MD & Wayne Goldstein, MD

USA MADE

Taper Head Impactor

Designed to impact a modular head during minimally invasive THR

The impactor has a protective coating to interface against the implant to help prevent damage while seating the implant. Can be used with 22 mm to 36 mm heads. Steam and gas sterilizable.

PRODUCT NO:
7840 *Overall Length: 12" (30,5 cm)*

USA MADE

Designed by Byron E. Dunaway, MD & Wayne Goldstein, MD

Offset Cup Liner Inserter

Offset to improve visualization and for mis hip surgery

PRODUCT NO'S:
5032 [32 mm] *Head Diameter: 32 mm* *Overall Length: 16.25" (41,3 cm)*
5036 [36 mm] *Head Diameter: 36 mm* *Overall Length: 16.25" (41,3 cm)*

USA MADE

Curved Femoral Head Impactor

Allows for in-line femoral head impaction during minimally invasive THR

The curved offset handle allows the head impactor to be slid under the skin of a small incision, and helps provide hand-held stability and maneuverability within the wound, while the impaction platform is easily accessible outside the wound. The impaction disc is made of delrin, which helps prevent marring and scratching of components.

PRODUCT NO:
3644 *Overall Length: 7.25" (18,4 cm)*

USA MADE

Designed by Amiee Zirpel

O'Reilly Femoral Head Extractor

Designed to help remove the femoral head– during THA, MIS Direct Anterior THA, and hip fracture surgery/hemiarthroplasty

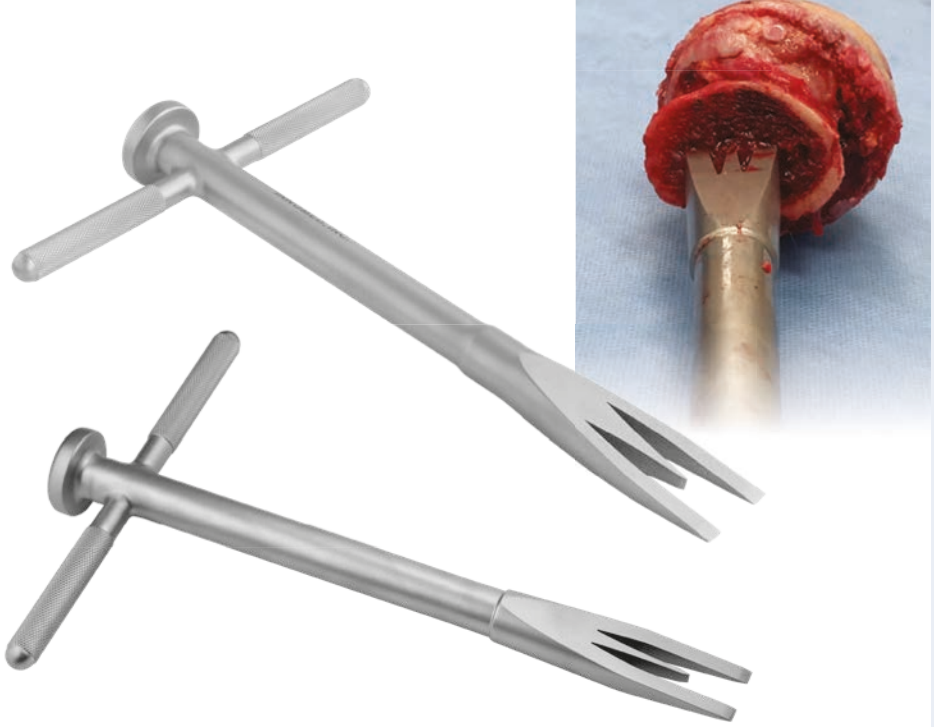
The perpendicular osteotome blades help provide purchase in osteoporotic bone, while the central osteotome provides a visual estimate of the instrument's depth of penetration to avoid acetabular injury with use during hemiarthroplasty.

The handle helps obtain rotational torque needed to rotate and dislocate the femoral head in direct anterior hip arthroplasty.

PRODUCT NO'S:
3675 [Large] *Overall Length: 9.5" (24,1 cm)* *Hammer Platform Diameter: 1.125" (2,9 cm)* *Width at End: 1.1" (2,8 cm)*
3674 [Small] *Overall Length: 9.5" (24,1 cm)* *Hammer Platform Diameter: 1.125" (2,9 cm)* *Width at End: .75" (1,9 cm)*

USA MADE

Designed by Michael P. O'Reilly, MD
Small version designed modification by Tarum Bhargava, MD



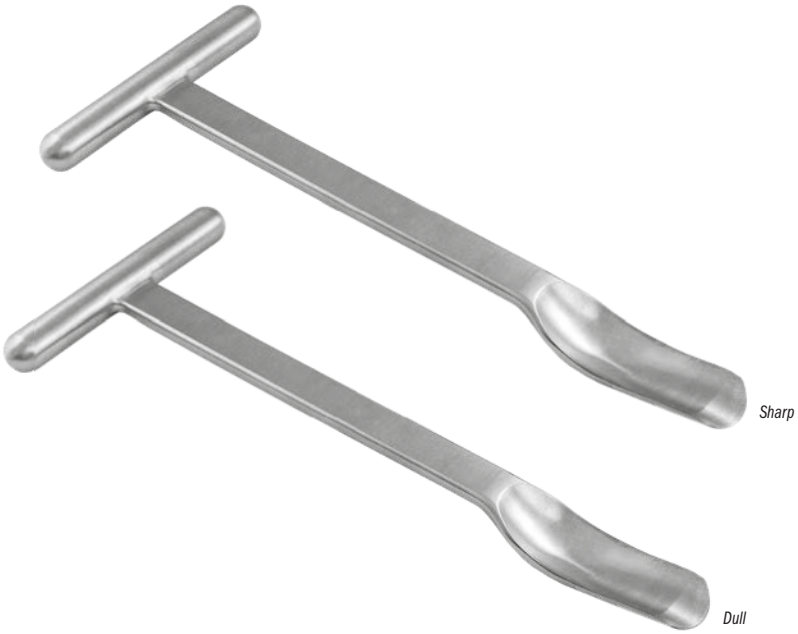
Huddleston Femoral Head Removers

Designed to help lever a femoral head out of the acetabulum in standard and anterior approach total hip replacement

PRODUCT NO'S:
3608 [Sharp] *Overall Length: 10.5" (26,7 cm)* *Scoop Length: 3" (7,6 cm)* *Scoop Width: 29 mm*
3609 [Dull] *Overall Length: 10.5" (26,7 cm)* *Scoop Length: 3" (7,6 cm)* *Scoop Width: 29 mm*

Designed by H. Dennis Huddleston, MD

USA MADE



Sharp

Dull

Rivero Anti-Rotation Corkscrew Femoral Head Remover

Designed to help prevent rotation while engaging a femoral head for removal

The sharp-toothed sleeve can be tapped in to help provide purchase of the femoral head, then held to help prevent rotation as the super-threaded corkscrew is turned to engage the head for removal.

PRODUCT NO'S:
3705 [Corkscrew & Sleeve Set] *Overall Length: 10" (25,4 cm)*
Individual Instruments:
3705-01 [Corkscrew Only] *Overall Length: 10" (25,4 cm)*
3705-02 [Sleeve Only] *Overall Length: 8" (20,3 cm)*

Designed by Dennis Rivero, MD

USA MADE

INNOMED

Rivero Extra Grip Femoral Head Removers

Used to remove the femoral head during total hip arthroplasty or fracture surgery

Quick-connect version for use with a driver.

PRODUCT NO'S:
3706 [Zimmer Hall Quick-connect] *Overall Length: 8.5" (21,6 cm)*
3707 [T-Handle] *Overall Length: 8.75" (22,2 cm)*

USA MADE

Modified by Dennis Rivero, MD

Femoral Head Removers

Used to remove the femoral head during total hip arthroplasty or fracture surgery

Quick-connect version for use with a driver.

PRODUCT NO'S:
3688 [Zimmer Hall Quick-connect] *Overall Length: 8.5" (21,6 cm)*
3690 [T-Handle] *Overall Length: 8.75" (22,2 cm)*

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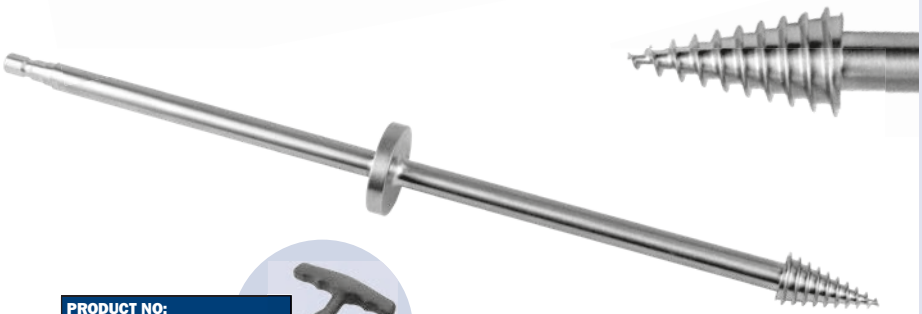


PRODUCT NO:
8248 [Fixed Driver] *with Zimmer Hall Quick-connect*

Verner Corkscrew Femoral Head Remover

Used to remove the femoral head during total hip arthroplasty or fracture surgery

Designed so the threads engage the head under power and draws the corkscrew in until the head begins to turn.

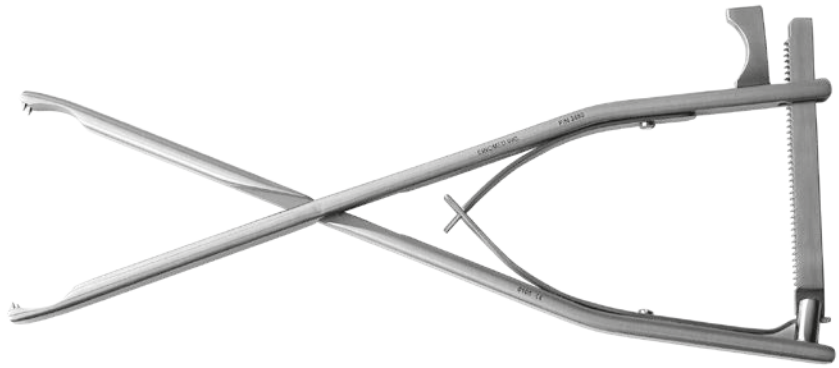
The extra long shaft keeps the power reamer out of the operative site for better visualization and improves the lever arm when pivoting the head out of the acetabulum. The grip ring allows the surgeon to pull head out of acetabulum and soft tissue envelope when disengaged from the driver.

Features a Zimmer Hall Quick-connect for use with a driver.

PRODUCT NO:
3698 *Overall Length: 12.25" (31,1 cm)*

USA MADE

Designed by James J. Verner, MD & Andy Lytle



Femoral Head Removal Clamp

Firmly locks onto a resected femoral head during total hip, hip fracture, and MIS total hip surgery

Designed to firmly lock onto a resected femoral head during total hip surgery or hip fracture. Narrow design is also useful in minimally invasive total hip surgery with limited access to the femoral head.

PRODUCT NO:
3680 *Overall Length: 10.75" (27,3 cm)*

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Schanz Pin with Zimmer Hall Quick-connect

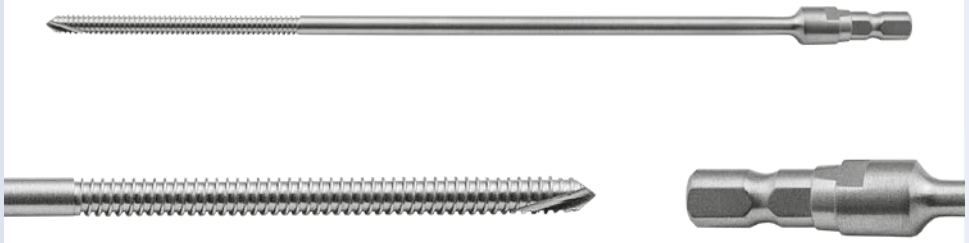
Used to help remove a femoral head during total hip surgery

Partial threaded pin can be used to help remove a femoral head during total hip surgery. Especially helpful in minimally invasive total hip surgery where access to the femoral head is limited. Connects with a Zimmer Hall Quick-connect.

PRODUCT NO:
3687 *Overall Length: 8.625" (21,9 cm)* *Shaft Length: 7.375" (18,7 cm)* *Thread Length: 2.5" (6,4 cm)* *Diameter: 4.5 mm*

Designed by Keith Berend, MD

USA MADE



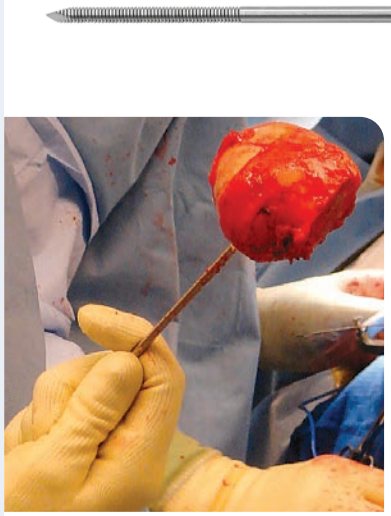
Femoral Head Removal Pin

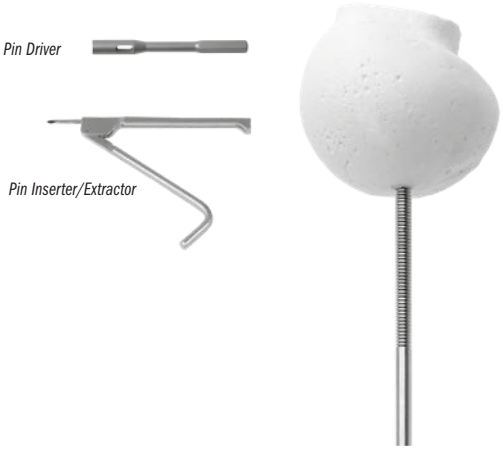
Used to help remove a femoral head during total hip surgery

Partial threaded pin can be used to help remove a femoral head during total hip surgery. The pin is especially helpful in minimally invasive total hip surgery where access to the femoral head is limited. The pin is attached to a pin driver which clamps onto a Jacob chuck. When the pin is drilled in place, the driver is easily removed from the pin, as the pin is held by a friction ring. The head can be removed by gripping the pin by hand or by using a large pin inserter/extractor.

PRODUCT NO'S:
1310 [Pin] *Overall Length: 9" (22,9 cm)* *Diameter: 5/32" (4 mm)*
Optional Inserters/Extractors:
1205 [Pin Driver]
3030 [Pin Inserter/Extractor]

USA MADE





Angled Capsule Scissors

Angled scissors allow a greater range of capsular access

PRODUCT NO'S:
3079 [45°] *Overall Length: 9.5" (24,1 cm)* *Scissor Angle: 45°*
3082 [20°] *Overall Length: 10" (25,4 cm)* *Scissor Angle: 20°*

45° Scissors designed by James B. Stiehl, MD

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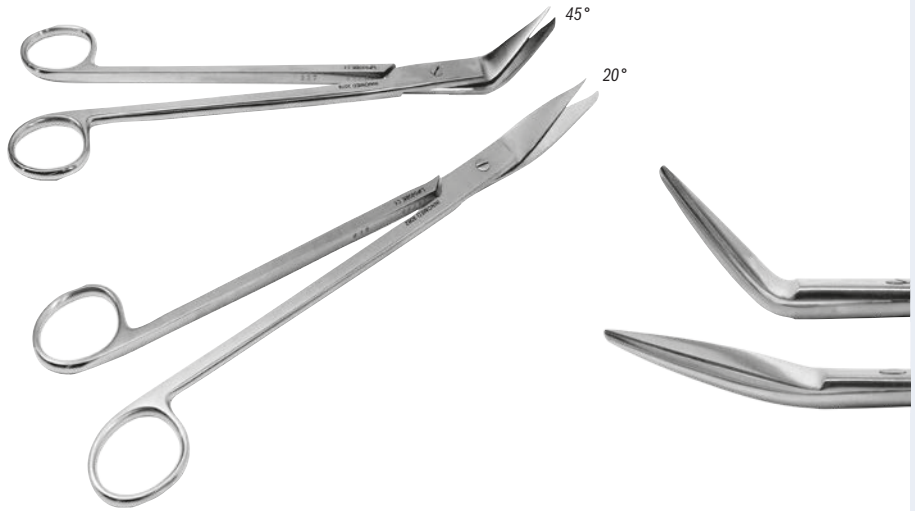

Long Bonney Tissue Forceps

Extra length—3" more than standard—allows for use in deep wound areas

PRODUCT NO:
5040 *Overall Length: 10" (25,4 cm)*

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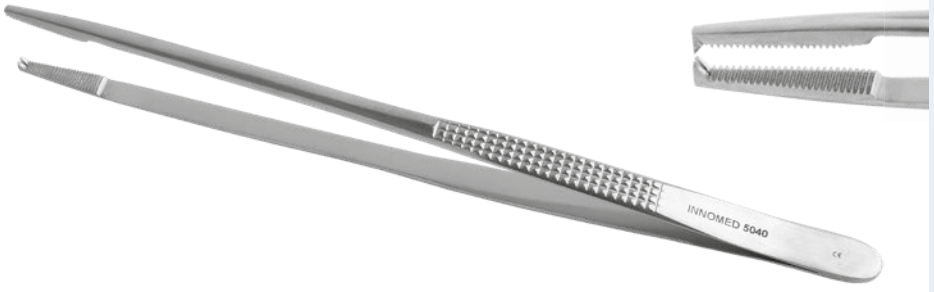

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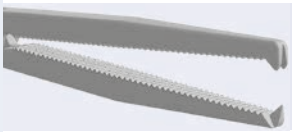
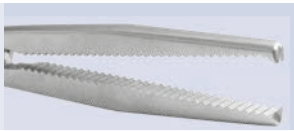
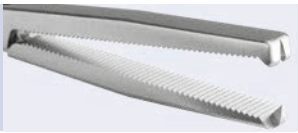
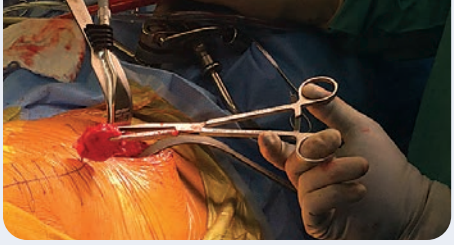

Tapered Jaw


Tapered Narrow Jaw


Square Jaw



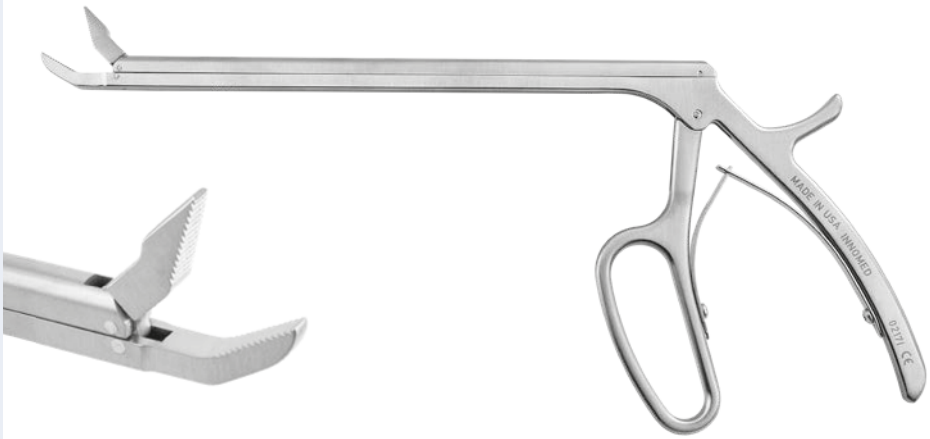
Powers Modified Kocher Clamps

Heavier design allows for a firmer grasping of bone and soft tissues

PRODUCT NO'S:
1813 [Tapered Jaw] *Overall Length: 8.25" (21 cm)* *Jaw Length: 2.5" (6,4 cm)* *Jaw at End: 5.2 mm x 4.1 mm*
1813-01 [Tapered Narrow Jaw] *Overall Length: 8.25" (21 cm)* *Jaw Length: 2.5" (6,4 cm)* *Jaw at End: 5.2 mm x 3 mm*
1814 [Square Jaw] *Overall Length: 8.25" (21 cm)* *Jaw Length: 2.5" (6,4 cm)* *Jaw at End: 6.5 mm x 5 mm*

Designed by Mark Powers, MD

USA MADE



Bhargava Anterior Hip Labral Grasper

Designed to help remove the labrum and soft tissues in anterior total hip surgery, and very useful in helping to remove posterior osteophytes in knee surgery

PRODUCT NO:
1776 *Overall Length: 12.5" (31,8 cm)* *Shaft Length: 9" (22,9 cm)* *Shaft Width: 7 mm* *Jaw Width at End: 4 mm* *Toothed Jaw Length: 14 mm*

USA MADE

Designed by Tarun Bhargava, MD

Clear Vision Debris Shield

Provides a degree of restriction from flying debris or liquid during surgery

Held between the surgical site and the operating personnel, the shield provides a clear undistorted view, while helping to protect the patient and personnel from possible contamination. The reamer-slotted version allows the shield to straddle a reamer shaft or drill bit, allowing the shield to be closer to the incision. The shield is autoclavable and gas sterilizable in a flat position.

PRODUCT NO'S:
Shield Dimensions: 8" x 10.25" (20,3 cm x 26 cm) (not incl. handle)
8031-01 [Without Reamer Slot]
8033-01 [With Reamer Slot]

Designed by R. Barry Sorrells, MD

USA MADE

Extra Long Ronguer

Helpful in minimally invasive total hip surgery by keeping hands out of the field of view

PRODUCT NO'S:
1771-01 *Jaw Bite: 5 x 16 mm* *Overall Length: 14" (35,6 cm)*
1771-02 *Jaw Bite: 8 x 16 mm* *Overall Length: 14" (35,6 cm)*
1771-03 *Jaw Bite: 12 x 16 mm* *Overall Length: 14" (35,6 cm)*

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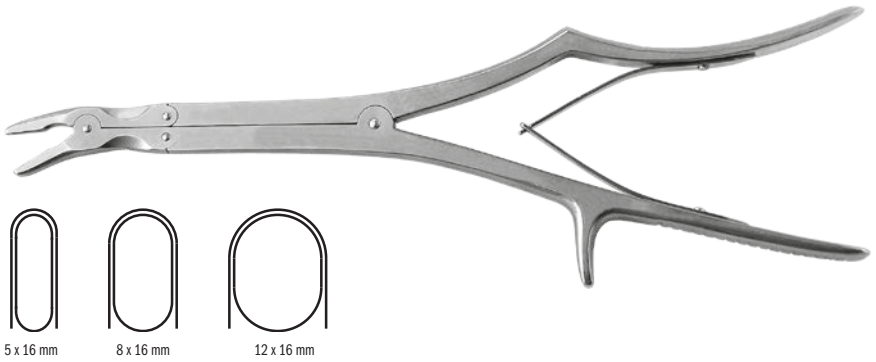


5 x 16 mm 8 x 16 mm 12 x 16 mm

Mazzara Pistol Grip Extra Long Rongeur

Pistol Grip handle lessens hand fatigue and slippage, and allows for better visualization

PRODUCT NO:
1768-02 *Jaw Bite: 8 x 16 mm* *Overall Length: 12.5" (31,8 cm)* *Shaft-to-End Length: 6" (15,2 cm)*

Designed by James T. Mazzara, MD

USA MADE

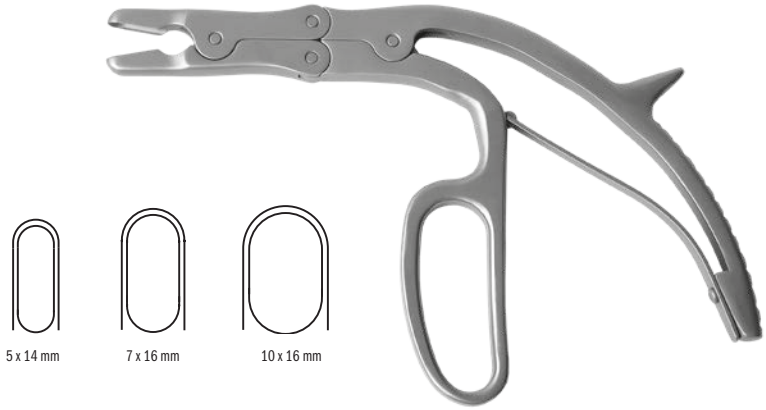
Mazzara Rongeur with Pistol Grip Handle

Pistol Grip handle lessens hand fatigue and slippage, and allows for better visualization

PRODUCT NO'S:
1765-01 *Jaw Bite: 5 x 14 mm* *Overall Length: 10" (25,4 cm)*
1765-02 *Jaw Bite: 7 x 16 mm* *Overall Length: 10" (25,4 cm)*
1765-03 *Jaw Bite: 10 x 16 mm* *Overall Length: 10" (25,4 cm)*

Designed by James T. Mazzara, MD

USA MADE



5 x 14 mm 7 x 16 mm 10 x 16 mm

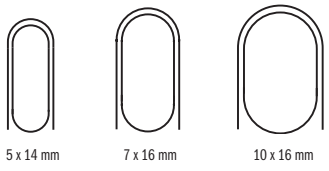
Ortho Rongeur with Easy Grip Handle

Offset handle lessens hand fatigue and slippage, and allows for better visualization

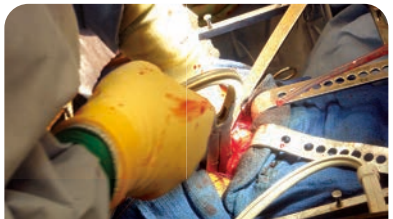
Offset handle gives better gripping power and helps reduce hand fatigue. Finger grooves help to prevent hand slippage. The offset handle also allows for better visualization. Available in three jaw bite sizes.

PRODUCT NO'S:
1780-01 *Jaw Bite: 5 x 14 mm* *Overall Length: 8.75" (22,2 cm)*
1780-02 *Jaw Bite: 7 x 16 mm* *Overall Length: 8.75" (22,2 cm)*
1780-03 *Jaw Bite: 10 x 16 mm* *Overall Length: 8.75" (22,2 cm)*

USA MADE



5 x 14 mm 7 x 16 mm 10 x 16 mm



INNOMED

New!
NARROW, TAPERED JAW VERSION

Modified Rongeur with Pistol Grip Handle

A thin top cutter and deep lower cutter, with edges that are rounded off, allows the top cutter to slide into a tight space– specifically the acetabulum or the patella–while the pistol grip helps lessen hand fatigue and slippage, and allows for better visualization

PRODUCT NO:
1765 *Jaw Bite Length: 18 mm* *Jaw Bite Width: Tapered from 7 to 4.5 mm* *Overall Length: 10" (25,4 cm)*

USA MADE

Design modification by Morteza Meftah, MD and Ira Kirschenbaum, MD, of an original design by James T. Mazzara, MD.

Hannum Modified Angled Grasper

Heavy duty large bone grasper designed to help trim acetabular osteophytes – angled to ergonomically fit around the rim via the direct anterior approach

PRODUCT NO:
1775-04 *Overall Length: 8.5" (21,6 cm)* *Jaw Width: 11 mm* *Jaw Bite Internal: 9 mm x 21 mm*

USA MADE

Designed by Scott Hannum, MD

Long Jaw Ronguer Shown

Hannum Grasper

Teeth in jaw firmly holds bone and tissue

Non-locking design can be easily gripped while allowing greater pressure to be applied.

Used for dissection(to preserve)/or removal of the anterior capsule, removal of the labrum, or other soft tissue around the acetabulum prior to cup implantation. Also used to release the capsule to expose the femur for placement of the femoral stem. Long, low profile helps facilitate working through a small incision without disrupting vision.

Available in three jaw sizes: short jaw for holding bone, medium jaw for smaller bones, and long jaw for tissue.

PRODUCT NO'S:
1775-01 [Short Jaw] *Jaw Width: 8 mm* *Overall Length: 9.25" (23,5 cm)*
1775-02 [Medium Jaw] *Jaw Width: 5 mm* *Overall Length: 9.25" (23,5 cm)*
1775-03 [Long Jaw] *Jaw Width: 3 mm* *Overall Length: 9.25" (23,5 cm)*

Designed by Scott Hannum, MD

MADE EXCLUSIVELY FOR INNOMED IN GERMANY

Mongold Capsule Knife

Designed to reach behind the femoral head to release the capsule ligament

PRODUCT NO:
4115 *Overall Length: 7.75" (19,7 cm)* *Blade Diameter: 2" (5,1 cm)* *Blade Width: .5" (1,3 cm)*

USA MADE

Designed by Evie Mongold, MD

Wagner Osteotome Handle

Handle is designed for easier gripping, rotational control, and use with a mallet with a standard 1/4" Lambotte osteotome

Osteotome not included.

PRODUCT NO'S:
5348 [Handle Only] *Overall Length: 5.5" (14 cm)*
5348-01 [1/4" Osteotome Only] *Overall Length: 8.875" (22,5 cm)*

Handle designed by Russell Wagner, MD

USA MADE

Modified Lambotte Osteotomes

Designed with a striking platform, plus a cross-bar hole to help control rotational stability and assist with removal

Six sizes from 1/4" to 1-1/2" in 1/4" increments. Cross-bar and case included in set. Two smallest sizes have an 1/8" hole in which an 1/8" pin can be used as a cross bar (not included).

PRODUCT NO'S:
5350-00 [Set w/Case]
Also Available Individually:
5350-25 [1/4"] *Overall Length: 9" (22,9 cm)* *Osteotome Width: .25" (6,4 mm)*
5350-50 [1/2"] *Overall Length: 9" (22,9 cm)* *Osteotome Width: .5" (12,7 mm)*
5350-75 [3/4"] *Overall Length: 9" (22,9 cm)* *Osteotome Width: .75" (19 mm)*
5350-100 [1"] *Overall Length: 9" (22,9 cm)* *Osteotome Width: 1" (25,4 mm)*
5350-125 [1-1/4"] *Overall Length: 9" (22,9 cm)* *Osteotome Width: 1.25" (31,8 mm)*
5350-150 [1-1/2"] *Overall Length: 9" (22,9 cm)* *Osteotome Width: 1.5" (38,1 mm)*
5350-CASE [Case] *Dimensions: 12.25" x 11.25" x 1" (31,1 x 28,6 x 2,5 cm)*
5350-CB [Cross Bar] *Overall Length: 4.375" (11,1 cm)*

USA MADE

Cement Packer & Trimmer

PRODUCT NO:
4995 *Overall Length: 9.75" (24,8 cm)*

Designed by Harlan C. Amstutz, MD

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INNOMED

Chandran Bent Serrated Curette

Serrated design allows for easier removal of cancellous bone in the proximal femur in total joint arthroplasty

PRODUCT NO:
5171 *Overall Length: 11.75" (29,8 cm)* *Handle Length: 5.5" (14 cm)* *Cup Size: 7 mm X 12 mm*

Designed by Rama E. Chandran, MD

USA MADE

Mueller Style Hip Instruments

PRODUCT NO'S:
6865-01 [Flat Blade Osteotome] *Overall Length: 11.125" (28,3 cm)* *Osteotome Width: 20 mm*
6865-02 [Femoral Head Dislocation Lever] *Overall Length: 11.375" (23,8 cm)* *Scoop Dimensions: 25 mm x 57 mm*
6865-03 [Narrow Curved Osteotome] *Overall Length: 12" (30,5 cm)* *Osteotome Width: 9 mm*
6865-04 [Wide Curved Osteotome] *Overall Length: 12" (30,5 cm)* *Osteotome Width: 16 mm*
6865-05 [Swan Neck Curved Gouge] *Overall Length: 12" (30,5 cm)* *Gouge Width: 23 mm*
5350-CB [Cross Bar]

USA MADE

Lambotte Osteotomes with Handle

Handle allows for better control, reducing rotation during use

USA MADE

The handle also provides a larger striking area for use with a mallet. Stainless steel shafts available both straight and curved.

PRODUCT NO'S:	Designed by John Cherf, MD
5250-01 [Straight] *Blade Width: .25" (6,3 mm)* *Overall Length: 13" (32,8 cm)* *Handle Length: 4.5" (11,4 cm)*	5260-01 [Curved] *Blade Width: .25" (6,3 mm)* *Overall Length: 13" (32,8 cm)* *Handle Length: 4.5" (11,4 cm)*

Curette Ends at Actual Size

Large Bone Curettes

Designed with a 8 mm diameter shaft allowing better visualization into the medullary canal

The contoured handle is designed to keep the curette from slipping in the surgeon's hand and for better control. The Angled Large Curette is designed for use in the acetabulum or exposed bone. The 10.5" (26,7 cm) shaft is 5/16" (8 mm) in diameter and has a contoured handle.

PRODUCT NO'S:
5160 [Set with Case]
Individual Instrument Dimensions: *Overall Length: 15" (38,1 cm)* *Handle Length: 4.5" (11,4 cm)*
5160-01 [Angled Small] *Curette End: 10 mm X 18 mm*
5160-02 [Straight Small] *Curette End: 10 mm X 18 mm*
5160-03 [Angled Medium] *Curette End: 10 mm X 24 mm*
5160-04 [Angled Large] *Curette End: 24 mm X 24 mm*
5160-05 [Straight Medium] *Curette End: 10 mm X 24 mm*
9004 [Case]

USA MADE

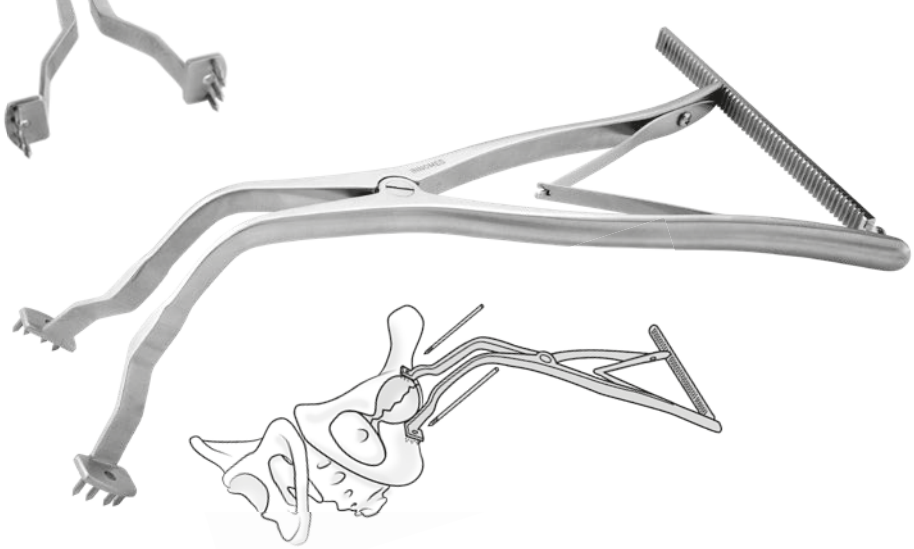
Paprosky Acetabular Spreader

Designed to distract an acetabular discontinuity

PRODUCT NO:
1879 *Overall Length: 12" (30,5 cm)* *Pads: 14 mm x 22 mm*

USA MADE

Designed by Wayne Paprosky, MD



Offset Punches

Helps in the removal of hip stems

Used to help remove a hip prosthesis stem via a window in the shaft of the femur. Two sizes of offsets allow the punches to be used to tap on a distal portion of the hip stem, after a window has been made in the femur below the tip of the stem.

PRODUCT NO'S:
5125-02 [Large Offset] *Overall Length: 11" (27,9 cm)* *Punch End Offset: 32 mm* *Punch End Diameter: 7 mm*
5125-01 [Small Offset] *Overall Length: 11" (27,9 cm)* *Punch End Offset: 13 mm* *Punch End Diameter: 7 mm*

USA MADE

Browner Wire Tightener

Wire is passed through the distal arm hole and into the separate drum holes, and can then be tightened and rotated before being cut with a wire cutter

PRODUCT NO:
8251 *Overall Length: 6" (15,2 cm)* *Width: 3.75" (9,5 cm)* *Wire Hole Diameters: .125" (3,2 mm)*

USA MADE

Designed by Bruce D. Browner, MD

DMP Wire Tightener

Used to hand tighten a cerclage wire around a bone

Now with four wire holes – two for up to 20 gauge wires, and two for up to 18 gauge wires. T-Handle end is used to hand tighten a wire.

PRODUCT NO:
8729 *Overall Length: 4.5" (11,4 cm)* *Handle Width: 2.625" (6,7 cm)* *End Diameter: 15 mm*

USA MADE

Designed by DMP

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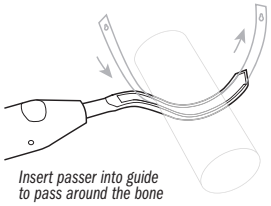
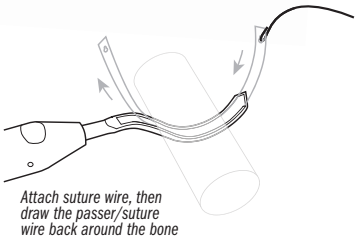


Insert passer into guide to pass around the bone



Attach suture wire, then draw the passer/suture wire back around the bone

Whelan Double-Ended Suture Wire Passer

Passer guide and malleable passer designed to pass suture wires around a bone

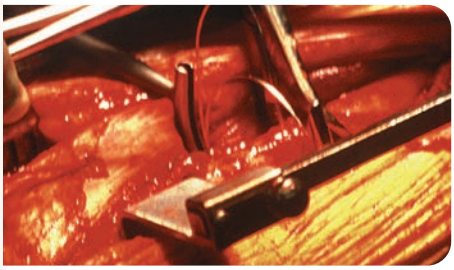
The passer guide is placed around the bone, and the thin malleable passer is inserted at the handle end and follows the grooved passer around. The suture wire (up to 18 gauge) is attached to the keyholed end of the passer, which can then be reversed out of the passer, drawing the suture wire around the bone.

PRODUCT NO'S:
8300-00 [Set]
Also available individually:
8300-01 [Passer Guide] *Overall Length: 8.125" (20,6 cm)* *Oustide Width: 9 mm* *Inside Groove Width: 6.5 mm*
8300-02 [Passer] *Overall Length: 7.5" (19,1 cm)* *Width: 4.6 mm*
1025 [Sterilization Case]

Designed by E. J. Whelan, III, MD

USA MADE

Set includes Passer Guide, two Passers, and a sterilization case.



Incavo Wire Passer

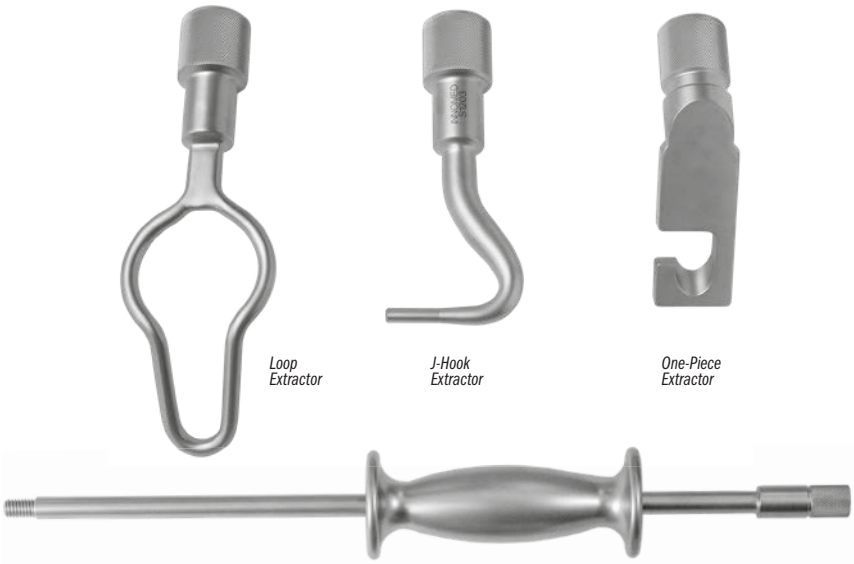
Used for passing multiple cerclage wires around bone

Designed to pass multiple cerclage wires around a bone during a multiple wire wrap procedure.

PRODUCT NO'S:
8610-01 [Small] *Overall Length: 7.5" (19,1 cm)* *Accepts Wire Up To: 4 mm (5/32")*
8610-02 [Large] *Overall Length: 8.675" (21,3 cm)* *Accepts Wire Up To: 4 mm (5/32")*

USA MADE

Designed by Stephen J. Incavo, MD



Loop Extractor

J-Hook Extractor

One-Piece Extractor

Femoral Extraction Instruments

Designed to help in the removal of various types of femoral implants

USA MADE

PRODUCT NO'S:
S1202 [Loop Extractor with Standard Slap Hammer #3925]
S1202-01 [Loop Extractor Only] *Overall Length: 6.5" (16,5 cm)*
S1203 [J-Hook Extractor with Standard Slap Hammer #3925]
S1203-01 [J-Hook Extractor Only] *Overall Length: 4.75" (12,1 cm)*
S1204 [One-Piece Extractor with Standard Slap Hammer #3925]
S1204-01 [One-Piece Extractor Only] *Overall Length: 4.125" (10,5 cm)*
3925 [Standard Slap Hammer] *3/8"-16 Thread Gauge*
Optional:
3935 [Extra Large Slap Hammer] *3/8"-16 Thread Gauge*

Whelan Hip Stem Extractor

Designed to lock onto and remove a femoral hip stem after the modular head has been removed

Extraction normally requires two bolts to be used to clamp onto, tighten, and extract the component. Four bolt holes, distributed evenly around the stem extractor, allow the surgeon to choose which holes will offer optimal access for placing and tightening the bolts.

PRODUCT NO'S:
4175-00 [Complete Set]
Individual/Replacement Parts:
4175-01 [Stem Extractor 13.5 mm]
4175-W [Stem Extractor Wrench]
4175-03 [Replacement Bolts] *Pair*
3925 [Std. Slap Hammer] *3/8"-16 Thread Gauge*

USA MADE

Designed by E. J. Whelan, III, MD

Extractor Set Includes:
Stem Extractor, Wrench, (4) Bolts, Standard Slap Hammer

Easy Grip Slap Hammer

Designed to help cushion the surgeon's hand

PRODUCT NO'S:
3926 [Slap hammer with 16" Rod]
Also available individually:
3925-HS [Slap hammer only]
3925-A [16" Rod only]

USA MADE

Whelan Extractor Strike Plate Attachment

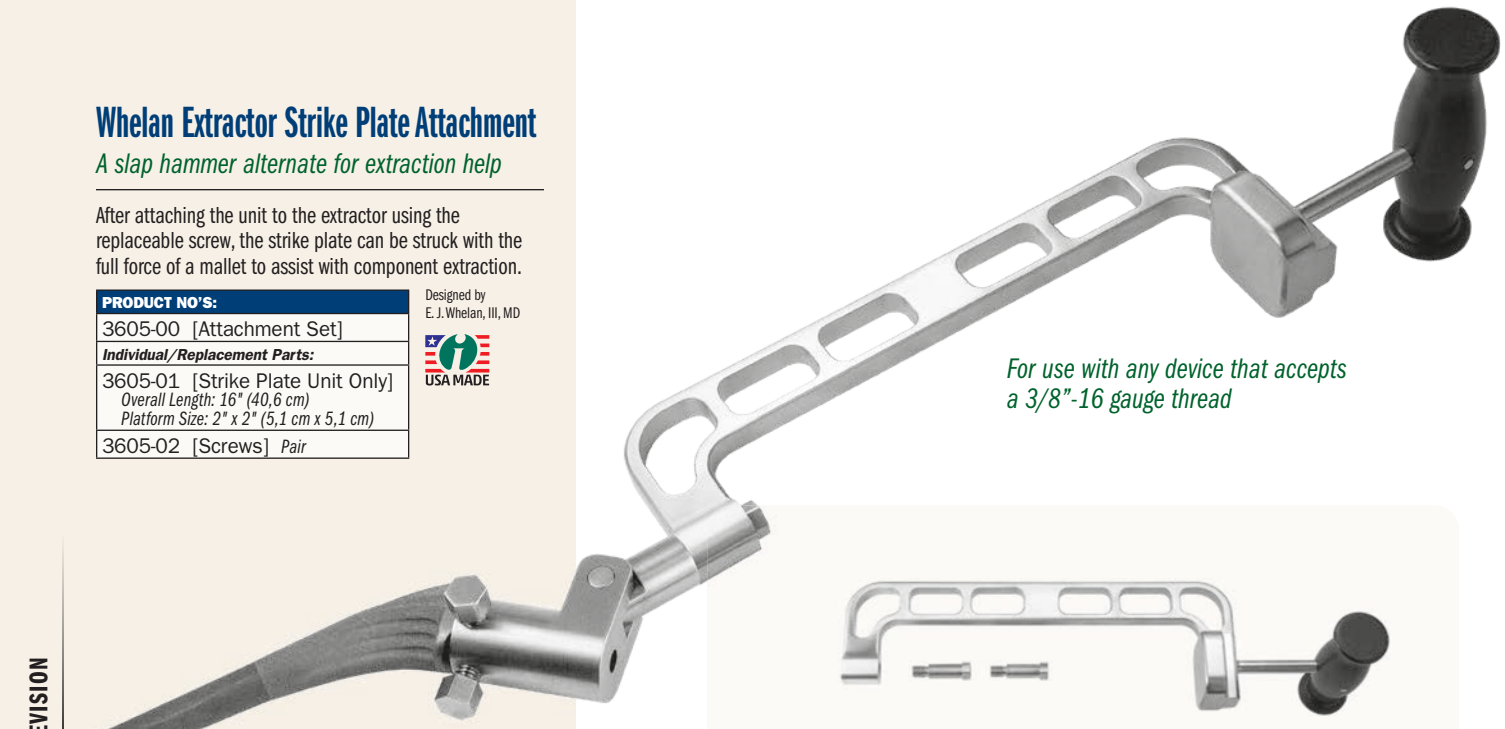
A slap hammer alternate for extraction help

After attaching the unit to the extractor using the replaceable screw, the strike plate can be struck with the full force of a mallet to assist with component extraction.

PRODUCT NO'S:
3605-00 [Attachment Set]
Individual/Replacement Parts:
3605-01 [Strike Plate Unit Only] *Overall Length: 16" (40,6 cm)* *Platform Size: 2" x 2" (5,1 cm x 5,1 cm)*
3605-02 [Screws] *Pair*

Designed by E. J. Whelan, III, MD

USA MADE



For use with any device that accepts a 3/8"-16 gauge thread

Attachment Set Includes: Strike plate unit and two (2) screws.

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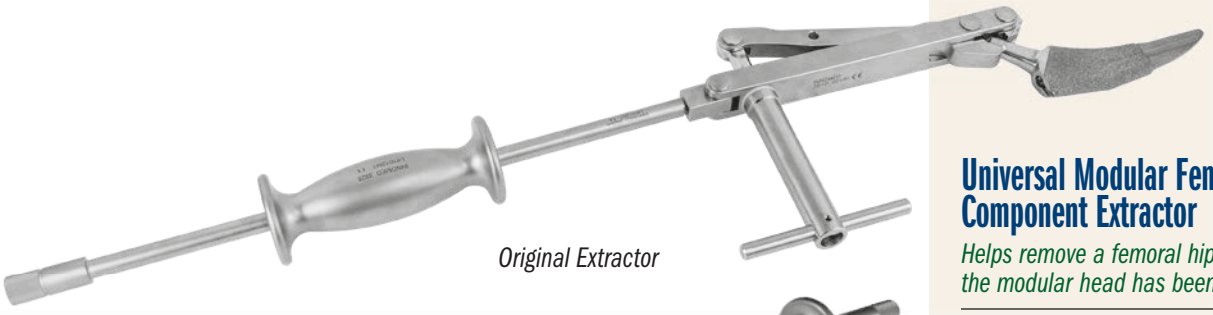


Original Extractor

Anterior Approach Extractor
Extractor with the handle reversed designed primarily for anterior approach

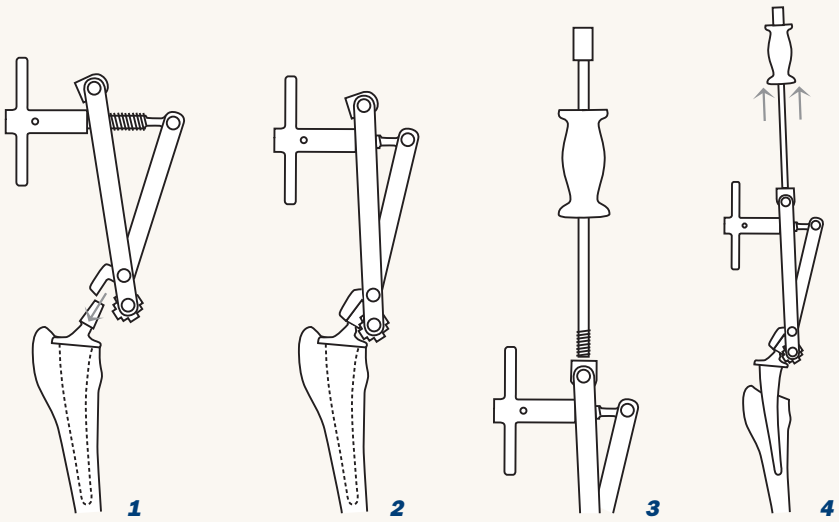
Universal Modular Femoral Hip Component Extractor

Helps remove a femoral hip stem after the modular head has been removed

USA MADE

Designed to clamp onto the taper of a femoral hip stem after the modular head has been removed. The extractor is equipped with a swivel block for attachment of a slap hammer. The swivel block helps keep the slap hammer in line with the angle of the femoral stem. Includes standard slap hammer, #3925.

PRODUCT NO'S:	
3610	[Original Extractor with Standard Slap Hammer #3925]
3610-R	[Anterior Approach Extractor with Standard Slap Hammer #3925]
Optional/Individual Parts:	
3610-01	[Original Extractor Only]
3610-R-01	[Anterior Approach Extractor Only]
3925	[Standard Slap Hammer] *3/8"-16 Thread Gauge*
3935	[Extra Large Slap Hammer] *3/8"-16 Thread Gauge*

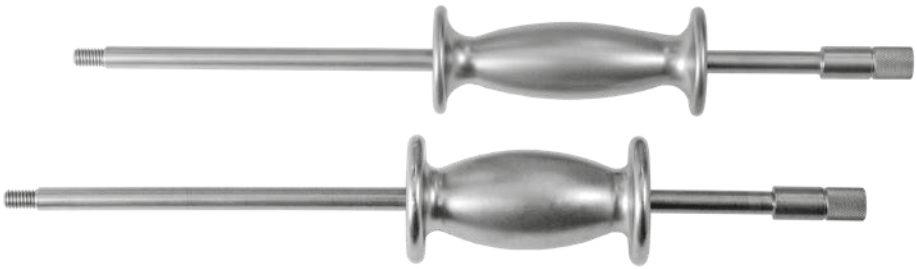


1 *Open Extractor Jaws*
The extractor is opened to accommodate any size taper on a modular head total hip stem.

2 *Use T-Handle To Clamp Onto Taper*
The taper is clamped between the rotating block and the taper anvil. Tightening the "T" handle holds a stem taper in place.

3 *Attach Slap Hammer*
The slap hammer is screwed into the swivel block. The slap hammer can be aligned with the stem utilizing the swivel block.

4 *Use Slap Hammer To Remove Component*
Extraction is carried out by the slap hammer or by utilizing a mallet on the hammer flares of the slap hammer.



Standard and Extra Large Slap Hammers

For use with any device that accepts a 3/8"-16 gauge thread

PRODUCT NO'S:	
3925	[Standard Slap Hammer] *3/8"-16 Thread Gauge*
3935	[Extra Large Slap Hammer] *3/8"-16 Thread Gauge*

USA MADE

Heck Anterior Modular Hip Component Extractor with Strikeplate

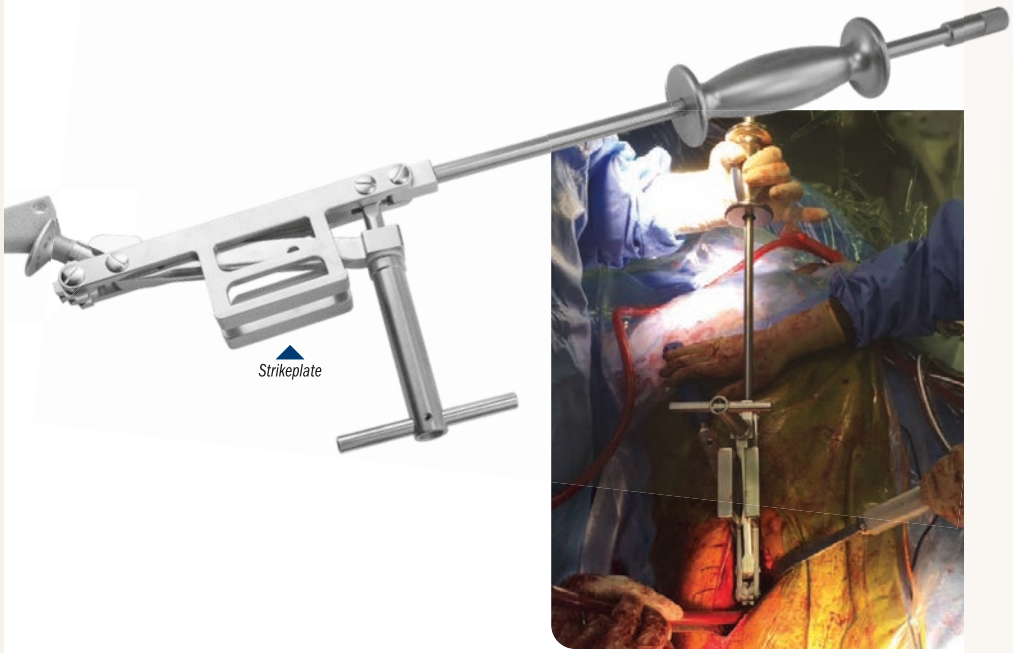
Strikeplate provides additional help to remove a femoral hip stem

In this process of placing the extractor over the neck and tightening the locking screw, the upper flange surface of the strikeplate can be hit to help engagement. The inferior flange surface of the strikeplate can be hit in a vertical fashion when the femoral component is particularly well engaged. The extractor is equipped with a swivel block for attachment of a slap hammer. The swivel block helps keep the slap hammer in line with the angle of the femoral stem. Includes standard slap hammer, #3925.

PRODUCT NO'S:
3611 [Extractor w/Std. Slap Hammer #3925]
Optional/Individual Parts:
3611-01 [Extractor Only]
3925 [Standard Slap Hammer] *3/8"-16 Thread Gauge*
3935 [Extra Large Slap Hammer] *3/8"-16 Thread Gauge*

Designed by David Heck, MD

USA MADE



Anterior Femoral Punches

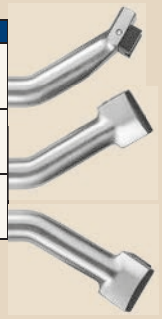
Designed with a delrin pad to help protect the femoral stem trunion while removing the femoral head during anterior approach total hip revision arthroplasty

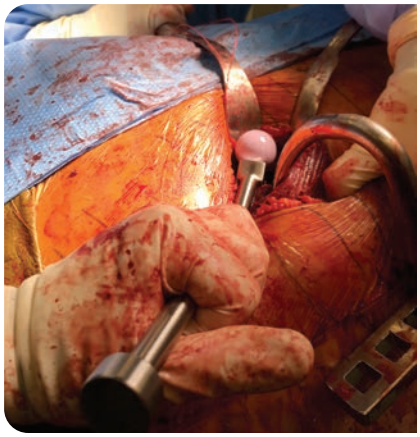
- Three stem angles allow choice of optimal approach
- Angled punches allow for better striking force to help break the taper of the head and stem
- The delrin pad helps prevent scratching of the femoral stem trunion

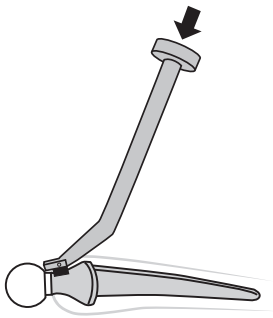
USA MADE

PRODUCT NO'S:
8626-A [Angled Up] *Overall Length: 8.75" (22,2 cm)* *Up Angle: 40°*
8626-L [Left] *Overall Length: 9" (22,9 cm)* *Left Angle: 40°*
8626-R [Right] *Overall Length: 9" (22,9 cm)* *Right Angle: 40°*

Designed by Brandon Thompson, CST/CFA







Femoral Head Disengaging Punch

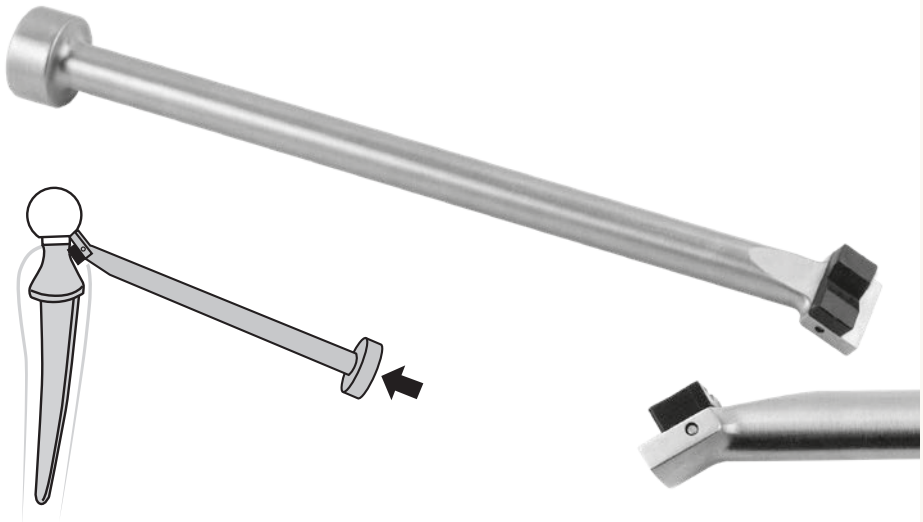
Designed to help protect the femoral stem trunion while removing the femoral head

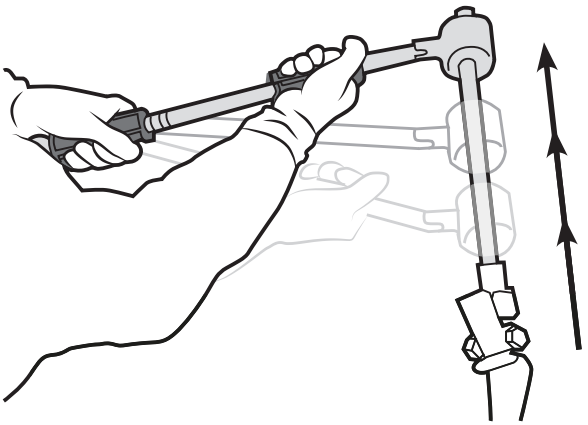
The delrin pad helps prevent scratching of the femoral stem trunion. The punch angle allows for better striking force to help break the taper of the head and stem.

PRODUCT NO:
8626 *Overall Length: 9" (22,9 cm)* *Shaft Diameter: .5" (12,7 mm)* *Punch Platform Offset Angle: 30°* *Punch Platform Delrin End: 10 mm x 20 mm*

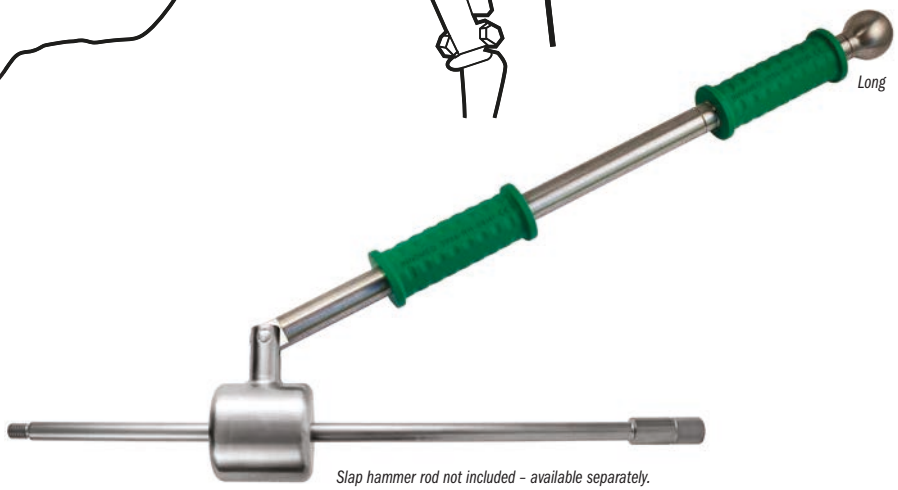
USA MADE

Designed by Brandon Thompson, CST/CFA



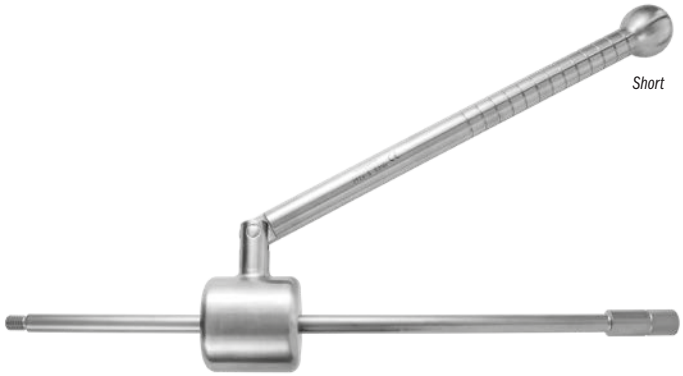


With the long Super Slap Hammer, two handed force can be used to power the drive weight from bottom to top along the entire length of the slap hammer rod



Long

Slap hammer rod not included – available separately.



Short

Atlatl Super Slap Hammer

Designed for when extra powerful slap hammer force is needed

Repositionable silicone grip handles are available for use with the long version of the Atlatl, and are removable for sterilization.

USA MADE

PRODUCT NO'S:
3924-L-00 [Long with Silicone Handles] *Overall Length: 22" (55,8 cm)* ***Includes (2) 3924-RH Silicone Grip Handles.*** ***Slap hammer rod not included.***
3924-L [Long without Handles] *Overall Length: 22" (55,8 cm)* ***Slap hammer rod not included.***
3924-S [Short] *Overall Length: 16" (40,7 cm)* ***Slap hammer rod not included.***
3924-RH [Silicone Grip Handle] *Overall Length: 4" (10,2 cm)* ***(One handle only with this product number)***
3925-A [16" Slap Hammer Rod only] ***(Rod only with this product number)***

Slap hammer rod not included – available separately.

For use with a 3/8" diameter slap hammer rod, including the Innomed #3925 & #3935 slap hammers on the following extraction instruments:

Hip – Femoral Component

3610	Universal Modular Hip Component Extractor – Standard
3610-R	Universal Modular Hip Component Extractor – Anterior
3611	Heck Anterior Modular Hip Component Extractor
4175-00	Whelan Hip Stem Extractor
S1202	Femoral Extraction Instrument – Loop
S1203	Femoral Extraction Instrument – J-Hook
S1204	Femoral Extraction Instrument – One-Piece

Hip – Acetabular Cup/Shell/Liner

3638-00	Lombardi Hip Cup Liner/Shell Extractor
3665	Gorski Hip Cup Extraction Hook – 5.0 mm

Knee

3630	Tibial Knee Component Extractor
3920	Femoral Knee Component Extractor
3650	4 mm Tibia Tray Removal Hook
3655	8 mm Tibia Tray Removal Hook

Shoulder

3670	Nicholson Universal Humeral Prosthesis Extractor

General

3966	Large Bent Jaw OrthoVise

Easy Grip Slap Hammer

Textured silicone hammer designed to help cushion the surgeon's hand and maintain a solid grip

The textured silicone hammer helps to reduce the shock forces on the surgeon's hand during extraction procedures, and helps the surgeon to maintain a solid grip and prevent the hand from slipping.

USA MADE

PRODUCT NO'S:
3926 [Slap hammer with 16" Rod]
Also available individually:
3925-HS [Slap hammer only]
3925-A [16" Rod only]

REVISION

REVISION

Lombardi Hip Cup Liner/Shell Extractor

Used for removal of a total hip cup or liner

Expandable flanges are designed to bite into the polyethylene of a total hip cup. When the flanges have been expanded, a slap hammer is screwed into the extractor for removal. The extractor can also be used for removal of a metal hip cup shell if the shell has a groove around the rim for the flanges to lock into. Also very helpful for cemented cup extraction. Set includes standard slap hammer #3925.

PRODUCT NO:
3638-00 [Set]
Also Available Individually
3638-01 [Remover Only] *Overall Length: 9.5" (24,1 cm)*
3925 [Standard Slap Hammer] *3/8"-16 Thread Gauge*

Designed by Adolph V. Lombardi, MD

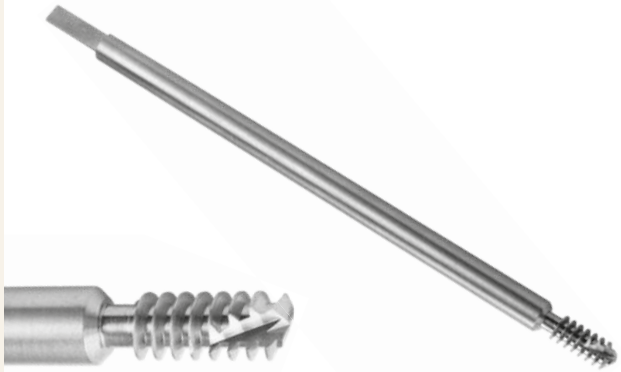
USA MADE

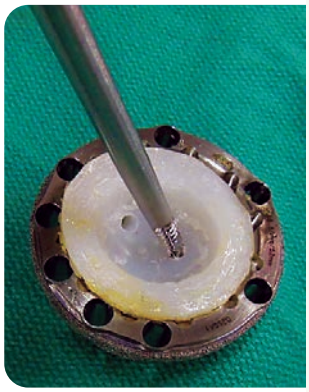
Easy Grip Slap Hammer

Designed to help cushion the surgeon's hand

PRODUCT NO'S:
3926 [Slap hammer with 16" Rod]
Also available individually:
3925-HS [Slap hammer only]
3925-A [16" Rod only]

USA MADE





Poly Cup Liner Removal Drill

Threaded, aggressive, drill tipped tool designed to facilitate removal of an acetabular liner

When the flat-ended drill end reaches the metal of the acetabular cup, continue drilling and the liner will become engaged in the drill flutes and back off for removal.

PRODUCT NO:
4052 *Overall Length: 6" (15,2 cm)*

USA MADE

Designed by Keith R. Berend, MD

Gorski Hip Cup Extraction Hook

Helps in the removal of a hip cup

Fits into a screw hole of a hip cup after the screws have been removed and the cup loosened. The slap hammer helps to remove the cup in the angle it was inserted.

PRODUCT NO'S:
Hook for 5.0 mm Screw Holes
3665 [Hook w/Standard Slap Hammer]
3665-01 [Hook w/o Slap Hammer]
Optional:
3935 [XL Slap Hammer] *3/8"-16 Thread Gauge*

Designed by Jerrold Gorski, MD

USA MADE

INNOMED

Star Metal Cup Liner Removal Impactor

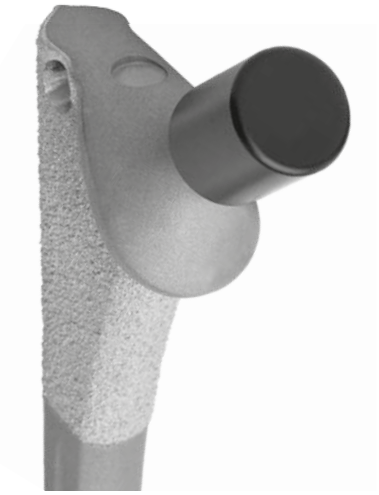
Designed to help disengage the rim of a metal cup for removal

Low profile design can be used through a limited incision. Vibration from tapping the edge of the shell helps cause the liner to become disengaged for removal.

PRODUCT NO:
5014 *Overall Length: 8" (20,3 cm)*

USA MADE

Designed by Andrew M. Star, MD



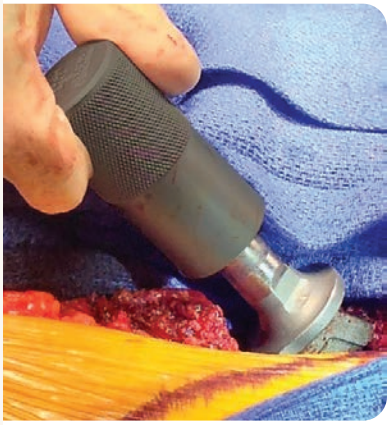
Kudrna Hip Stem Taper Protectors

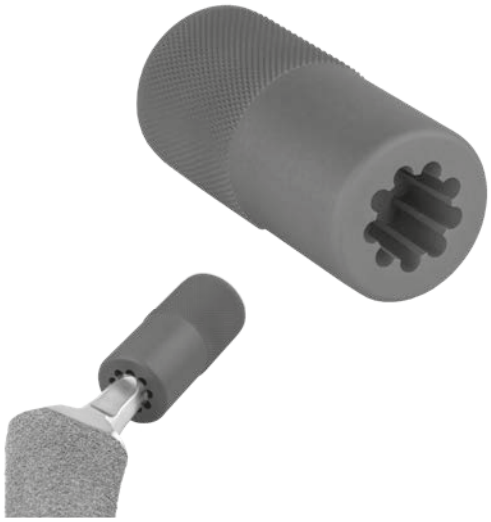
Used to cover and protect the hip stem taper of a femoral component – especially helpful in cup revision surgery

PRODUCT NO'S:
1151 [11/13]
1152 [12/14]
1153 [14/16]

Designed by James Kudrna, MD

USA MADE





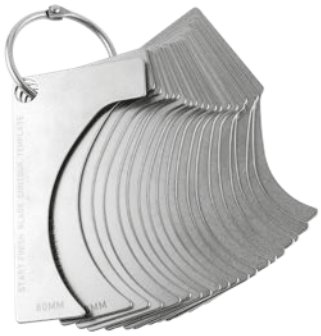
Lombardi Taper Cleaner

Designed to help clean a hip stem taper of corrosive byproducts prior to placement of the new femoral head

PRODUCT NO'S:
Overall Length: 2.125" (5,4 cm) *Outside Diameter: 1" (2,54 cm)*
8034 *Short Taper 11/12 mm*
8034-01 *Long Taper 11/13 mm*
8035-01 *11/13 mm*
8035-02 *12/14 mm*
8035-03 *14/16 mm*

Designed by Adolph V. Lombardi Jr., MD

USA MADE



CupX Blade Contour Checking Templates

Designed for checking the contour of a CupX blade after use to evaluate arc accuracy

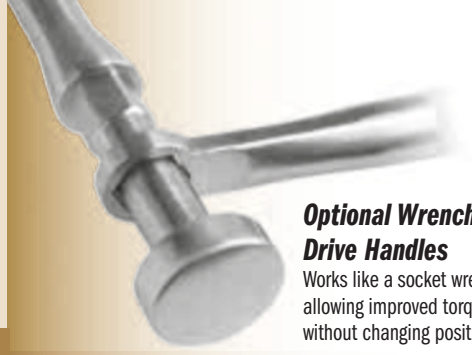
INDIVIDUAL CONTOUR TEMPLATES			
5200-T [Complete Set]			
5200-42G	***42 mm***	5200-62G	***62 mm***
5200-44G	***44 mm***	5200-64G	***64 mm***
5200-46G	***46 mm***	5200-66G	***66 mm***
5200-48G	***48 mm***	5200-68G	***68 mm***
5200-50G	***50 mm***	5200-70G	***70 mm***
5200-52G	***52 mm***	5200-72G	***72 mm***
5200-54G	***54 mm***	5200-74G	***74 mm***
5200-56G	***56 mm***	5200-76G	***76 mm***
5200-58G	***58 mm***	5200-78G	***78 mm***
5200-60G	***60 mm***	5200-80G	***80 mm***
		5200-GR	***Ring***

USA MADE

CupX

acetabular cup extraction system

Helps to quickly and precisely remove an acetabular cup with minimal loss of bone



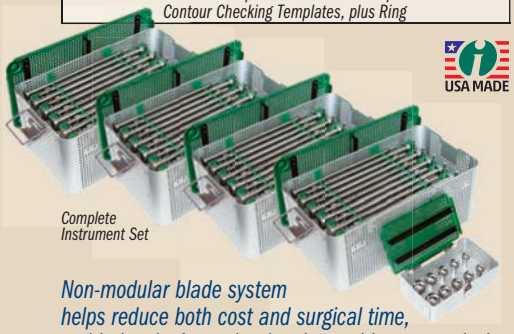
Optional Wrench Drive Handles

Works like a socket wrench, allowing improved torque without changing positions.

*Optional Large Delrin Heads**

Designed to provide tight, secure surface contact when removing larger size acetabular cups, and can also be used if the cup liner of a standard size cup is worn and must be removed. Available in diameters from 39 to 60 mm in 1 mm increments.

COMPLETE INSTRUMENT SETS	
5200 5208	***Complete Set – Fixed Handle*** ***Complete Set – Wrench Handle***
	20 Starter & 20 Finish Instruments 3 each of 5 Head sizes *(22mm–36mm)* 5 cases — *4 for Instruments, 1 for Heads* *Includes complete set of 5200-T CupX Blade Contour Checking Templates, plus Ring*



USA MADE

Complete Instrument Set

Non-modular blade system helps reduce both cost and surgical time, as blades don't need to be changed interoperatively

CUSTOM AND RANGED INSTRUMENT SETS	
5200-01 5208-01	***Choice of sizes – Fixed Handle*** ***Choice of Sizes – Wrench Handle***
	5 Starter and 5 Finish Instruments 2 each of 5 Head sizes *(22mm–36mm)* 2 cases — *1 for Instruments, 1 for Heads* *Includes CupX Blade Contour Checking Templates for corresponding Blade Sizes Chosen, plus Ring*
5200-02 5208-02	***42mm–50mm – Fixed Handle*** ***42mm–50mm – Wrench Handle***
	5 Starter and 5 Finish Instruments 2 each of 5 Head sizes *(22mm–36mm)* 2 cases — *1 for Instruments, 1 for Heads* *Includes CupX Blade Contour Checking Templates for 42 mm – 50 mm Blades, plus Ring*
5200-03 5208-03	***52mm–60mm – Fixed Handle*** ***52mm–60mm – Wrench Handle***
	5 Starter and 5 Finish Instruments 2 each of 5 Head sizes *(22mm–36mm)* 2 cases — *1 for Instruments, 1 for Heads* *Includes CupX Blade Contour Checking Templates for 52 mm – 60 mm Blades, plus Ring*
5200-04 5208-04	***62mm–70mm – Fixed Handle*** ***62mm–70mm – Wrench Handle***
	5 Starter and 5 Finish Instruments 2 each of 5 Head sizes *(22mm–36mm)* 2 cases — *1 for Instruments, 1 for Heads* *Includes CupX Blade Contour Checking Templates for 62 mm – 70 mm Blades, plus Ring*
5200-05 5208-05	***72mm–80mm – Fixed Handle*** ***72mm–80mm – Wrench Handle***
	5 Starter and 5 Finish Instruments 2 each of 5 Head sizes *(22mm–36mm)* 2 cases — *1 for Instruments, 1 for Heads* *Includes CupX Blade Contour Checking Templates for 72 mm – 80 mm Blades, plus Ring*

1 *Stainless Steel Heads*
In standard diameters of 22, 26, 28, 32 and 36 mm (38 mm optional).

2 *Non-modular Blade System*
Helps to decrease costs while increasing surgical efficiency as blades don't need to be changed interoperatively.

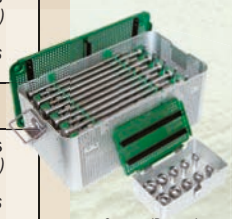
3 *Fixed Blades in Two Lengths*
Can typically be used for several procedures, then can be returned to Innomed for nominal replacement charge.

4 *Shaft Alignment*
The shaft is aligned directly over the head, which helps prevent the head from riding out of the cup while keeping the instrument properly centered. With proper centering, the curvature of the blades will more closely match the hemispherically-shaped outer surface of the acetabular cup when rotating, thus minimizing bone loss and creating a relatively intact acetabular recess for fitting of a new cup.

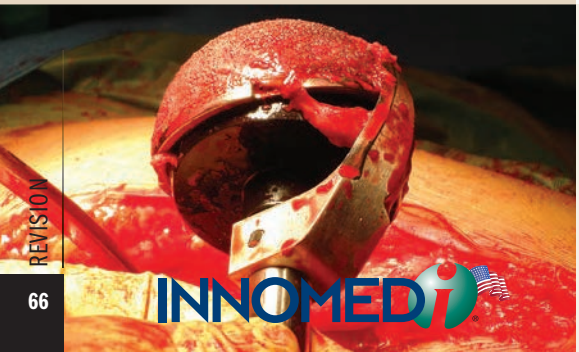
5 *Handle Styles*
Two handle styles to choose from– Wrench Drive or Fixed.

6 *Impaction Platform*
Strike with a mallet to help drive in the blade.

7 *Handle Placement*
Near the end of the shaft allows for better leverage and easier rotation.



Custom/Ranged Instrument Set



System Rental Available On A Single Procedure Basis

Rental Details

Rental is available in several configurations:

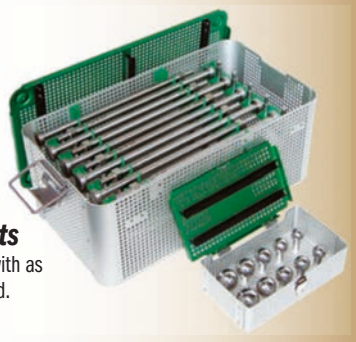
- 4 cases with all sizes, including 2 sets of heads
- 3 cases, including 2 sets of heads
- 2 cases, including 2 sets of heads
- 1 case, including 2 sets of heads
- 1 size (starter & finish), including 2 sets of heads

Each case includes 5 Starter and 5 Finish Instruments

Rental Charges

In addition to a rental fee, there is a charge for each instrument used (not heads). Also, an additional charge applies if the used instruments are kept instead of returned. ***Rental is for one surgical procedure only, and must be returned within 5 days following the procedure.***

*US Patent #7,998,146 B2



Fully Customizable Sets

Rent or purchase – configure with as few or as many options required.

ultra hard titanium nitride coating for extended blade life

Benefits of Our Titanium Nitride Coated Blades

- **Extends Blade Life**... *by increasing surface hardness*
- **Prolongs Sharpness**... *with an ultra hard, heat resistant coating*
- **More Wear Resistant**... *due to high lubricity of titanium nitride coating*
- **Prevents Galling**... *won't chip, peel, or flake*
- **Reduces Friction**... *eliminates seizing in metal-on-metal contact*
- **Chemical and Corrosion Resistant**
- **Non-toxic**... *medically approved and proven*

Extended blade life leads to long term savings

Instrument Exchange

Used Instruments can be returned for exchange at a nominal charge. Please call for details.

System Designed by James Kudrna, MD and Stephen Incavo, MD
Wrench Drive Handle Designed by Guido Grappiolo, MD
Delrin Heads Designed by Adolph Lombardi, MD

INDIVIDUAL *FIXED HANDLE* SHAFTS WITH FIXED BLADES

New Instrument		Exchange Instrument		Blade Arc Diameter
Starter	Finish	Starter	Finish	
5200-42	5201-42	5205-42	5206-42	42 mm
5200-44	5201-44	5205-44	5206-44	44 mm
5200-46	5201-46	5205-46	5206-46	46 mm
5200-48	5201-48	5205-48	5206-48	48 mm
5200-50	5201-50	5205-50	5206-50	50 mm
5200-52	5201-52	5205-52	5206-52	52 mm
5200-54	5201-54	5205-54	5206-54	54 mm
5200-56	5201-56	5205-56	5206-56	56 mm
5200-58	5201-58	5205-58	5206-58	58 mm
5200-60	5201-60	5205-60	5206-60	60 mm
5200-62	5201-62	5205-62	5206-62	62 mm
5200-64	5201-64	5205-64	5206-64	64 mm
5200-66	5201-66	5205-66	5206-66	66 mm
5200-68	5201-68	5205-68	5206-68	68 mm
5200-70	5201-70	5205-70	5206-70	70 mm
5200-72	5201-72	5205-72	5206-72	72 mm
5200-74	5201-74	5205-74	5206-74	74 mm
5200-76	5201-76	5205-76	5206-76	76 mm
5200-78	5201-78	5205-78	5206-78	78 mm
5200-80	5201-80	5205-80	5206-80	80 mm

INDIVIDUAL *WRENCH HANDLE* SHAFTS WITH FIXED BLADES

New Instrument		Exchange Instrument		Blade Arc Diameter
Starter	Finish	Starter	Finish	
5208-42	5209-42	5205W-42	5206W-42	42 mm
5208-44	5209-44	5205W-44	5206W-44	44 mm
5208-46	5209-46	5205W-46	5206W-46	46 mm
5208-48	5209-48	5205W-48	5206W-48	48 mm
5208-50	5209-50	5205W-50	5206W-50	50 mm
5208-52	5209-52	5205W-52	5206W-52	52 mm
5208-54	5209-54	5205W-54	5206W-54	54 mm
5208-56	5209-56	5205W-56	5206W-56	56 mm
5208-58	5209-58	5205W-58	5206W-58	58 mm
5208-60	5209-60	5205W-60	5206W-60	60 mm
5208-62	5209-62	5205W-62	5206W-62	62 mm
5208-64	5209-64	5205W-64	5206W-64	64 mm
5208-66	5209-66	5205W-66	5206W-66	66 mm
5208-68	5209-68	5205W-68	5206W-68	68 mm
5208-70	5209-70	5205W-70	5206W-70	70 mm
5208-72	5209-72	5205W-72	5206W-72	72 mm
5208-74	5209-74	5205W-74	5206W-74	74 mm
5208-76	5209-76	5205W-76	5206W-76	76 mm
5208-78	5209-78	5205W-78	5206W-78	78 mm
5208-80	5209-80	5205W-80	5206W-80	80 mm

INDIVIDUAL INTERCHANGEABLE DELRIN HEADS*

5202-00	Complete Set with Case		
5202-39	39 mm	5202-50	50 mm
5202-40	40 mm	5202-51	51 mm
5202-41	41 mm	5202-52	52 mm
5202-42	42 mm	5202-53	53 mm
5202-43	43 mm	5202-54	54 mm
5202-44	44 mm	5202-55	55 mm
5202-45	45 mm	5202-56	56 mm
5202-46	46 mm	5202-57	57 mm
5202-47	47 mm	5202-58	58 mm
5202-48	48 mm	5202-59	59 mm
5202-49	49 mm	5202-60	60 mm

INDIVIDUAL INTERCHANGEABLE STEEL HEADS

5202-22	22 mm
5202-26	26 mm
5202-28	28 mm
5202-32	32 mm
5202-36	36 mm
Optional Size:	
5202-38	38 mm

*US Patent #7,998,146 B2

INSTRUMENT AND HEAD CASES ONLY

9014	Case for 22 Delrin Heads
9015	Case for 5 Starter and 5 Finish Blades, plus 5 Heads
9016	Case for 10 Steel Heads

Any component may be purchased individually

REVISION

REVISION

Flexible Ball Nose Reamer

Designed for safe and effective use in removing pedestal formation in the femoral and tibial canals

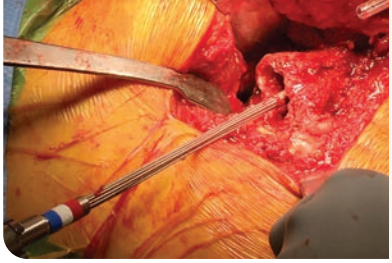
Recommended for use with a guide wire. Cannulated to allow guide wire use. Features a quick-connect end for use with a driver.

PRODUCT NO:
2628 *Overall Length: 10" (25,4 cm)* *Reamer Diameter: 7,5 mm*

USA MADE

Designed by Stu Allen

PRODUCT NO:
8248 [Fixed Driver] *with Zimmer Hall Quick-connect*



Modified Lambotte Cup Removal Osteotomes

Designed with different hemisphere of curves to match cups of different sizes

Four osteotomes with different hemispherical radii allow the osteotomes to fit next to the outer surface of different size acetabular hip cups. The handle allows for better control and provides a hammering platform.

PRODUCT NO'S:	
Overall Length: 12.75" (32,4 cm) *Handle Length: 4.75" (12,1 cm)*	USA MADE
5240-44 *Curve Radius: 44 mm*	5240-52 *Curve Radius: 52 mm*
5240-48 *Curve Radius: 48 mm*	5240-56 *Curve Radius: 56 mm*

Modified Smith-Peterson Style Osteotomes for Acetabular Cup Removal

Multi-arch osteotomes help in removal of total hip cups

Four styles of osteotomes offer a selection for removal of total hip cups. The different curvatures help to fit next to a cups outer surface. The osteotomes have a handle for better control, plus a hammering platform end.

PRODUCT NO'S:
5280-02 [Medium] *Blade Dimensions: 20 mm x 35 mm* *Overall Length: 11.675" (29,6 cm)* *Handle Length: 5" (12,7 cm)*
5280-03 [Long] *Blade Dimensions: 20 mm x 50 mm* *Overall Length: 12.25" (31,1 cm)* *Handle Length: 5" (12,7 cm)*

Designed by Merrill Ritter, MD

USA MADE

INNOMED

Mueller-Type Cement Removal Instruments

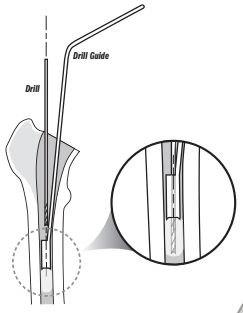
Used for cement removal in the knee, hip, and shoulder

USA MADE

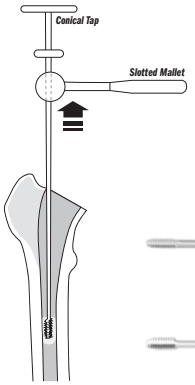
PRODUCT NO'S:		
S7500-00	[Complete Set with Case]	
S7500-01	[Complete Set with Case and T-Handle Chuck & Key]	
Individual Instruments:		
S7505	[Narrow Cement Removal Gouge, Short] *Shaft Length: 15 cm* *Gouge: 9 mm, negative*	1
S7507	[Narrow Cement Removal Gouge, Long] *Shaft Length: 24 cm* *Gouge: 9 mm, negative*	2
S7510	[Narrow Offset Cement Removal Gouge] *Shaft Length: 24 cm* *Gouge: 9 mm, negative*	3
S7515	[Acetabular Chisel] *Shaft Length: 24 cm* *Chisel: 7.5 mm*	4
S7520	[Offset Chisel] *Shaft Length: 15 cm* *Chisel: 9 mm*	5
S7525	[Flared Angle Gouge] *Shaft Length: 24 cm* *Gouge: 9 mm, positive, angle 15° down*	6
S7530	[Wide Gouge] *Shaft Length: 24 cm* *Gouge: 11.5 mm, negative*	7
S7535	[“V” Splitter] *V-Shaped Chisel: 7 mm*	8
S7587	[Saddle Punch] *Shaft Length: 24 cm* *Punch: 16.5 mm x 6.5 mm*	9
S7590	[Cement Splitting Osteotome] *Shaft Length: 24 cm*	10
S7595	[Cement Removal Osteotome, Short] *Shaft Length: 15 cm* *Osteotome: 8 mm*	11
S7597	[Cement Removal Osteotome, Long] *Shaft Length: 24 cm* *Osteotome: 8 mm*	12
S7540	[4.4 mm Drill]	13
S7545	[4.4 mm Drill Guide]	14
S7550	[6.4 mm Drill]	15
S7555	[6.4 mm Drill Guide]	16
S7560	[Straight Cement Removal Hook] *Hook Curette: 10 mm*	17
S7565	[Curved Cement Removal Hook] *Hook Curette: 10 mm*	18
S7570	[Cross Bar]	19
S7575	[7 mm T-Handle Conical Tap]	20
S7580	[9 mm T-Handle Conical Tap]	21
S7585	[Slotted Mallet]	22
9075	[Case Only]	

Set in Case

Drill & Grill Guide



Conical Tap & Mallet



T-Handle Chuck for use with Drills

PRODUCT NO'S:	
8247-00	[T-Handle Chuck & Key]
8247-01	[T-Handle Chuck]
8247-02	[Chuck Key]

Lombardi Cement/Antibiotic Sifter

PRODUCT NO:
5215 *Overall Length: 14" (35,6 cm)* *Sifter Diameter: 5" (12,7 cm)*

Designed by Adolph V. Lombardi Jr., MD

USA MADE

Desai Surgical Funnel

Helps with control and placement of bone graft or antibiotic beads

Made from surgical grade stainless steel (for sterilization).

PRODUCT NO:
8989 *Overall Length: 6.25" (15,9 cm)* *Handle Length: 3.25" (8,3 cm)* *Funnel Diameter at Top: 3" (7,6 cm)* *Funnel Flow-thru Diameter: 11 mm*

Designed by Sarang Desai, DO

USA MADE

Profile View

Surgical Spoon

Very useful for the application of methylmethacrylate bone cement

Made from surgical grade stainless steel (for sterilization purposes).

PRODUCT NO:
8209 *Overall Length: 5.875" (14,9 cm)*

Designed by David Scott, MD

USA MADE

Universal Bone Grafting/ Impacting Forceps

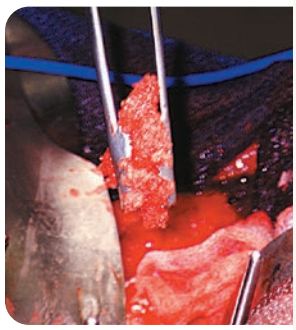
Bone graft can be grasped, placed & impacted without changing hands or instruments

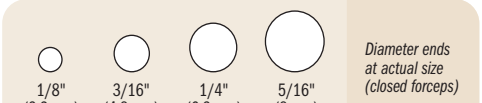
Designed with grasping ends for delivery of bone graft. When the graft is in place, the forceps are closed, which forms the ends into an impacting punch. A striking platform forms the end of the forceps for tapping and tamping the graft. Four end diameters are available in two lengths.

PRODUCT NO'S:	
Short: 6" (15,2 cm) Length	
5010-01	*1/8" (3,2 mm) Diameter End*
5010-02	*3/16" (4,8 mm) Diameter End*
5010-03	*1/4" (6,3 mm) Diameter End*
5010-04	*5/16" (8 mm) Diameter End*
Long: 10" (25,4 cm) Length	
5050-01	*1/8" (3,2 mm) Diameter End*
5050-02	*3/16" (4,8 mm) Diameter End*
5050-03	*1/4" (6,3 mm) Diameter End*
5050-04	*5/16" (8 mm) Diameter End*

Designed by J.A. Amis, MD

MADE EXCLUSIVELY FOR INNOMED IN GERMANY





Diameter ends at actual size (closed forceps)

INNOMED

Set in Storage Case

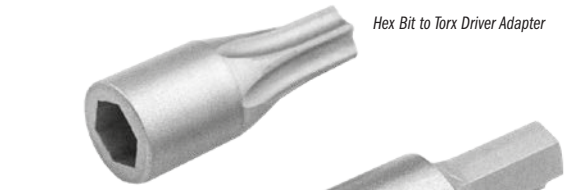
Universal Screwdriver Set

Helps eliminate the opening of multiple sterile packs when a specific size or style of screwdriver is needed

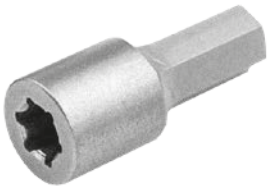
Helpful during revision total joint surgery where screws have been used, removal of bone plates, fracture fixation screws or bone graft screws. Set consists of: 7 (seven) double ended screwdriver bits – small & large single slot, cross & cruciate, 3.5 mm & 4.5 mm hex, small & large phillips, small, medium, & large star – a handle which accommodates any of the above bits, and a sterilization case.

PRODUCT NO'S:
5195 [Complete Set with Case] *Also sold individually*
5195-01 [Handle]
5195-02 [Straight (single slot)] *Large: 7 x 1.5 mm, Small: 5 x 1 mm*
5195-03 [Cross/Cruciate] *Large: 7 mm, Small: 6 mm*
5195-04 [Hex] *Large: 4.5 mm, Small: 3.5 mm*
5195-05 [Phillips] *Large: 4 mm, Small: 3.5 mm*
5195-08 [Small Star: #6 & #8]
5195-06 [Medium Star: #10 & #15]
5195-07 [Large Star: #20 & #25]

USA MADE



Hex Bit to Torx Driver Adapter



Torx Bit to Hex Driver Adapter

New!

Torx/Hex Adapter Set

Designed for conversion of a 3.5 mm screwdriver

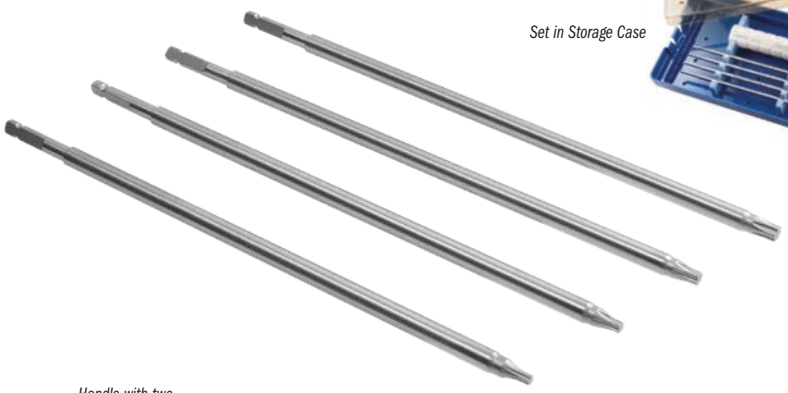
Especially helpful when an articulated, universal joint driver is needed (i.e. acetabular screws)

PRODUCT NO'S:
8003-00 [Set – One Each]
Set Includes/Available Separately:
8003-01 [Torx Bit to Hex Driver Adapter] *Overall Length: .6" (1,54 cm)*
8003-02 [Hex Bit to Torx Driver Adapter] *Overall Length: .6" (1,54 cm)*

USA MADE

Designed by Stephen M. Walsh, MD

Set in Storage Case



Handle with two connection points

Star Bit Driver Set

Helps eliminate the opening of multiple sterile packs when a specific size or style of star bit is needed

Helpful during revision total joint surgery. Set consists of four star bits – T10, T15, T20, & T25, a handle which accommodates any of the above bits, and a sterilization case. The drive end (A/O) is designed for easy and quick engagement with the universal instrument handle. The ergonomic, modular handle has two connection points, allowing for both straight and T-handle orientations.

PRODUCT NO'S:
5194-00 [4 Star Bits w/Handle & Case]
5194-01 [4 Star Bits w/Case only]
Also sold individually:
S0113 [Universal 4" (10,2 cm) Handle]
5194-10 [T10 with A/O End]
5194-15 [T15 with A/O End]
5194-20 [T20 with A/O End]
5194-25 [T25 with A/O End]
9003 [Case]

USA MADE

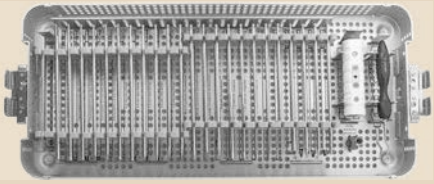
Universal Screw Removal Instrument System

Designed to remove solid and cannulated screws

The drive end (A/O) is designed for easy and quick engagement with the universal instrument handle.

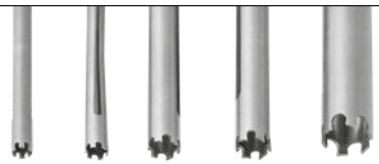
USA MADE

PRODUCT NO'S:
S0010-00 [Complete System with Case]
Individual/Replacement Parts
S0113 [Universal 4" (10,2 cm) Handle]
S0128 [1.5 mm Screw Extractor]
S0116 [2.5 mm Screw Extractor]
S0130 [3.5 mm Screw Extractor]
S0117 [1.5 mm Hex Driver]
S0114 [2.5 mm Hex Driver]
S0115 [3.5 mm Hex Driver]
S0132 [4.0 mm Hex Driver]
S0133 [5.0 mm Hex Driver]
S0136 [2.5 mm Cannulated Hex Driver]
S0137 [3.5 mm Cannulated Hex Driver]
S0138 [4.0 mm Cannulated Hex Driver]
S0139 [5.0 mm Cannulated Hex Driver]
S0118 [Large Cruciform Screwdriver]
S0119 [Small Cruciform Screwdriver]
S0141 [Mini Cruciform Screwdriver]
S0120 [Single Slot Screwdriver]
S0121 [2.2 mm Trephine]
S0122 [3.2 mm Trephine]
S0123 [4.2 mm Trephine]
S0124 [4.7 mm Trephine]
S0125 [7.2 mm Trephine]
S0127 [Universal Extractor – Shaft Only]
S0127-01 [Large Extraction Bolt Body]
S0127-03 [Small Extraction Bolt Body]
S0127-04 [Extractor Wrench]
S0129 [Pick]
S0140 [Cannulated Drive Extension]
9017 [Screw Removal Case Only] *Case Dimensions: 21" x 9.5" x 2.25 (53,4 x 24,1 x 5,7 cm)*



Used for removal of stripped hex screws, buried screws, partial screws with broken screw heads

Screw Extractors
Unique thread design accommodates removal of stripped screws. The instrument "locks" into the screw head and allows removal once engaged. Designed to be used in a counter-clockwise direction.



Trephines
Designed to fit over submerged screws for extraction with minimal bone loss. Extraction is enhanced by the unique tooth design. Designed to be used in a counter-clockwise direction.

Hex Drivers
Solid shaft in all standard hex sizes.

Hex Drivers
Four sizes with a cannulated shaft for easier removal of buried screws.

Universal Extractor
Designed to remove screws with heads partially or completely missing. The cone shaped head fully engages the remaining screw and optimizes the force needed for removal. The bolt is disposable and locks into place using a unique thread design. Designed to be used in a counter-clockwise direction.

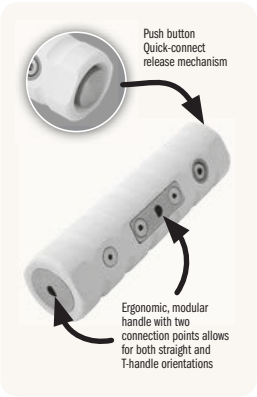
Screwdrivers
Standard cruciform screwdrivers in large, small, and mini, and single slot.

Cannulated Drive Extension
Used when a longer instrument shaft is desired.

Extractor Wrench

Pick
Used to remove fragments and bone or tissue from screw head.

Universal Instrument Handle
The single handle allows the surgeon to decide which direction is most efficient and comfortable. The quick-connect release mechanism allows for quick interoperative exchange.



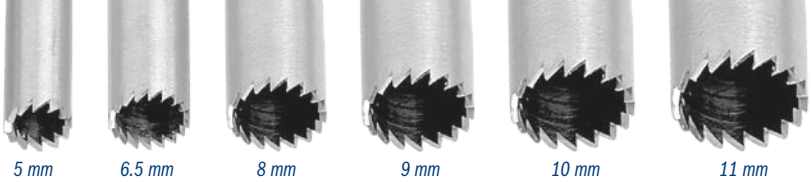
Screw/Pin Removal Locking Pliers

Unique jaw designed to solidly grip and clamp onto a screw head, broken screw, or pin for removal

PRODUCT NO:
S0142 *Overall Length: 8" (20,3 cm)* *Jaw Width: 4.5 mm*

USA MADE

INNOMED



5 mm | 6.5 mm | 8 mm | 9 mm | 10 mm | 11 mm

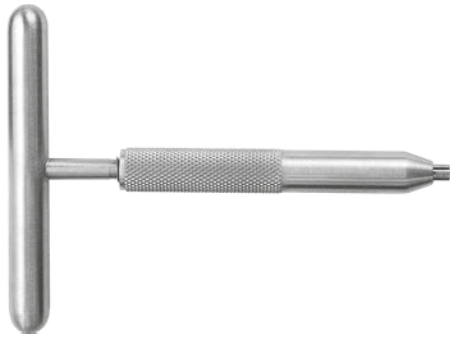
Trephine Sizes

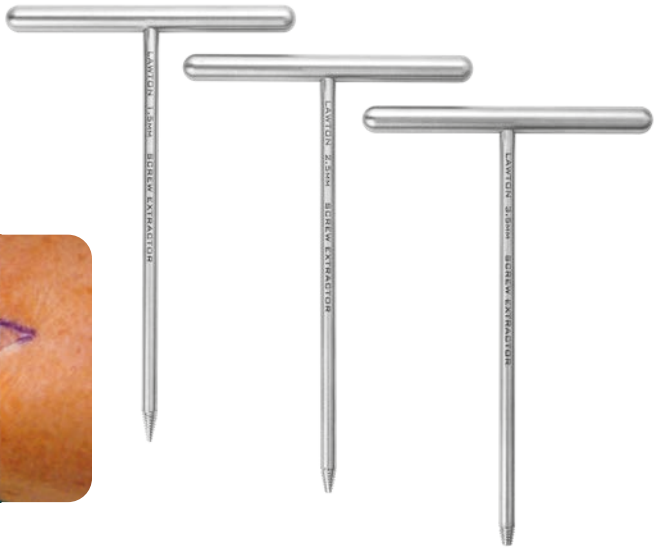
For Screw Removal

The trephine ends are designed to fit over embedded screws for extraction with minimal bone loss. Six sizes available – internal diameters of 5 mm, 6.5 mm, 8 mm, 9 mm, 10 mm, and 11 mm. The T-handle allows for precise, controlled use.

For Core Bone Sampling

Cannulated T-handle and trephines allow use of a standard 1.6 mm (.062") threaded K-wire to help facilitate grasping and removal of a core bone sample for biopsy or core decompression. Variety of core diameters yields bone samples of sufficient size for pathology. K-wire not included.





Cheng Screw Removal and Bone Trephine Set

USA MADE

Six trephine sizes with reverse thread teeth designed to help with removal of screws with minimal bone loss, as well as gathering of core bone samples for biopsy or core decompression

Can be used with the T-handle or with power.

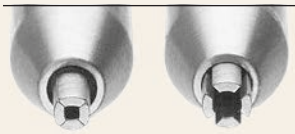
PRODUCT NO'S:
1426-00 [Complete Set with Case]
Set Includes/Available Separately:
1426-01 [5 mm Internal Diameter] *Overall Length: 7.125" (18,1 cm)*
1426-02 [6.5 mm Internal Diameter] *Overall Length: 7.125" (18,1 cm)*
1426-03 [8 mm Internal Diameter] *Overall Length: 7.125" (18,1 cm)*
1426-05 [9 mm Internal Diameter] *Overall Length: 7.125" (18,1 cm)*
1426-06 [10 mm Internal Diameter] *Overall Length: 7.125" (18,1 cm)*
1426-07 [11 mm Internal Diameter] *Overall Length: 7.125" (18,1 cm)*
1426-04 [Cannulated T-handle Assembly] *Dimensions: 4" x 2" (10,2 cm x 5,1 cm)*
1025 [Sterilization Case]
Replacement Part:
1425-14-B-COMP [Handle Retaining Screw]

USA MADE Designed by Edward Cheng, MD

K-wire not included.

Lawton Broken Screw Extractor

Designed to help remove broken or stripped screws (1 mm-2 mm)



PRODUCT NO:
7653-04 *Overall Length: 4" (10,2 cm)* *Handle Width: 3" (7,6 cm)*

Designed by Jeffrey Lawton, MD

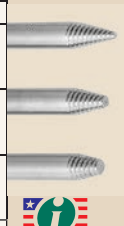
USA MADE

Lawton Screw Extractors

Designed to help extract mini and micro fragment screws; small cannulated screws; or headless screws

PRODUCT NO'S:
7653-00 [Set of Three with Case]
Individual Parts:
7653-01 [1.5 mm Screw Extractor] *Overall Length: 6" (15,2 cm)* *Handle Width: 4" (10,2 cm)*
7653-02 [2.5 mm Screw Extractor] *Overall Length: 6" (15,2 cm)* *Handle Width: 4" (10,2 cm)*
7653-03 [3.5 mm Screw Extractor] *Overall Length: 6" (15,2 cm)* *Handle Width: 4" (10,2 cm)*
1025 [Sterilization Case]

Designed by Jeffrey Lawton, MD



USA MADE

OrthoVise™

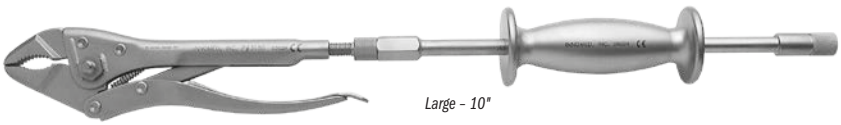
U.S. Patent #D398,208

Made of stainless steel and designed with the option of using a slap hammer for greater adaptability.

On models equipped with attachment bolts, a slap hammer can be attached to the end of the OrthoVise™, as well as to either side of the large OrthoVise™ (except the bent jaw model).

A different size slap hammer is used for the large and small sizes of OrthoVise™, and all slap hammers are designed with a hammer plate if the additional use of a mallet is desired.

PRODUCT NO'S:	
Standard	
3980	[Large] *Overall Length: 10" (25,4 cm) with Attachment Bolts with Large OrthoVise™ Slap Hammer (#3950)*
3980-01	[Large] *Overall Length: 10" (25,4 cm) with Attachment Bolts without Slap Hammer*
3981	[Large] *Overall Length: 10" (25,4 cm) without Attachment Bolts without Slap Hammer*
3985	[Small] *Overall Length: 8" (20,3 cm) without Attachment Bolt without Slap Hammer*
3985-01	[Small] *Overall Length: 8" (20,3 cm) with Attachment Bolt with Small OrthoVise™ Slap Hammer (#3955)*
3985-T	[Small] *Overall Length: 8" (20,3 cm) with Attachment Bolt without Slap Hammer*
Long Nose	
3965	[Large] *Overall Length: 12" (30,5 cm) with Attachment Bolts with Large OrthoVise™ Slap Hammer (#3950)*
3965-01	[Large] *Overall Length: 12" (30,5 cm) with Attachment Bolts without Slap Hammer*
3966	[Large Bent Jaw] *with Attachment Bolt with Standard Slap Hammer (#3925)*
3966-01	[Large Bent Jaw] *without Attachment Bolt without Slap Hammer*
3975	[Small] *Overall Length: 9.5" (24,1 cm) without Attachment Bolt without Slap Hammer*
3975-01	[Small] *Overall Length: 9.5" (24,1 cm) with Attachment Bolt with Small OrthoVise™ Slap Hammer (#3955)*
3975-T	[Small] *Overall Length: 9.5" (24,1 cm) with Attachment Bolt without Slap Hammer*
Threaded Adapters	
3980-02	[Small Adapter] *Changes Male End of a Slap Hammer to Female*
3980-03	[Threaded Adapting Screw – Large] *For use with 3965's, 3966's, 3980's, 3981*
3985-03	[Threaded Adapting Screw – Small] *For use with: 3975's, 3985's*
Slap Hammers	
3950	[Slap Hammer for Large OrthoVise] *For use with 3965's, 3980's, 3981*
3955	[Slap Hammer for Small OrthoVise] *For use with: 3975's, 3985's*
3925	[Standard Slap Hammer] *For use with: 3966's*



Large - 10"

Standard

Small - 8"

Large - 12"

Long Nose

Large Bent Jaw

Small - 9.5"

MADE EXCLUSIVELY FOR INNOMED IN GERMANY

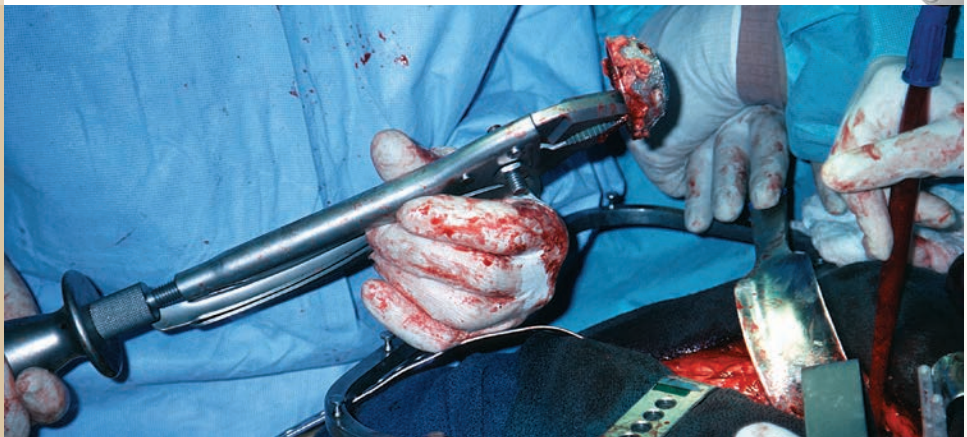
Easy Grip Slap Hammer

Designed to help cushion the surgeon's hand

PRODUCT NO'S:	
3926	[Slap hammer with 16" Rod]
Also available individually:	
3925-HS	[Slap hammer only]
3925-A	[16" Rod only]

CANNOT be used with the 3950 & 3955 Slap Hammers

USA MADE



INNOMED

Extra Long Grasper

Designed for reaching deep into the medullary canal

PRODUCT NO:
1782 *Overall Length: 15" (38,1 cm)*

USA MADE

Long Jaw Needle Nose Pliers

PRODUCT NO:
1833 *Overall Length: 7" (17,8 cm)* *Jaw Length: 2.25" (5,7 cm)* *Jaw Width Tapered from: 8 mm to 1.5 mm* *Jaw Height Tapered from: 12 mm to 2.5 mm*

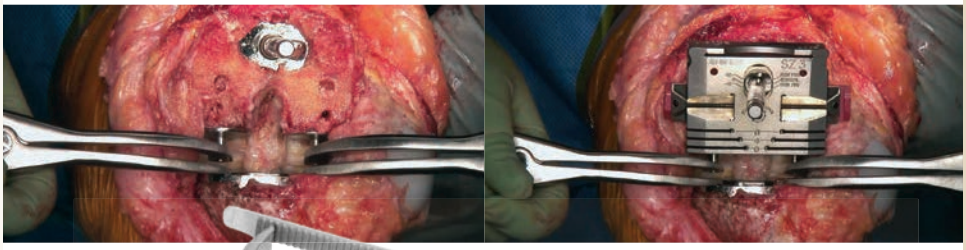
MADE FOR INNOMED IN GERMANY

Screw Removal Pliers

Jaw designed to grasp onto a screw or screw head to help in removal

PRODUCT NO:
2020 *Overall Length: 8 (20,3 cm)*

USA MADE



Lawrence Revision Knee Gap Balancing Tensioner Set

Designed to help tense the medial and lateral ligaments during total knee surgery, and can help prevent impingement of a 4-in-1 block

PRODUCT NO'S:
1896-01 [Set – Left & Right]
Also available individually:
1896-01L [Left] *Overall Length: 9.25" (23,5 cm)* *Pad Diameter: 1" (2,5 cm)*
1896-01R [Right] *Overall Length: 9.25" (23,5 cm)* *Pad Diameter: 1" (2,5 cm)*

Designed by Jeffrey M. Lawrence, MD

USA MADE

REVISION

Flexible Osteotome System

Provides an assortment of osteotome blades for various orthopedic surgery procedures

- Sharp, flexible blades are well suited for loosening implants from cement or bony ingrowth fixation
- Various blade widths and profiles allow great flexibility to follow the implant contours
- Modular handle is made of high impact surgical stainless steel and has a quick-coupling positive locking mechanism for ease of use and quick blade changes
- Slap hammer threads into the handle and is designed to facilitate blade removal
- Optional Strike Plate can be attached to the Handle for direct striking with a mallet
- Optional Curved Chisel Blades are designed to help loosen the cement/prosthesis interval in TKA tibial tray and femoral component revisions. The curved design is useful in working around pegs & fins to get posterior cement access. Also helpful in revision of a total ankle prosthesis.

PRODUCT NO'S:	
S0011-00	[Set w/Quick-Coupling Handle and Case]
S0012-00	[Set with Locking Nut Handle and Case]
Individual Instruments Included in Sets:	
S1002	[Thin Osteotome Blade] *2.5" (6,3 cm) x 8 mm*
S1003	[Thin Osteotome Blade] *2.5" (6,3 cm) x 10 mm*
S1004	[Thin Osteotome Blade] *2.5" (6,3 cm) x 12 mm*
S1005	[Thin Osteotome Blade] *2.5" (6,3 cm) x 20 mm*
S1006	[Curved Thin Osteotome Blade] *2.5" (6,3 cm) x 12 mm*
S1007	[Curved Thin Osteotome Blade] *5" (12,7 cm) x 20 mm*
S1008	[Thin Osteotome Blade] *5" (12,7 cm) x 10 mm*
S1009	[Thin Osteotome Blade] *5" (12,7 cm) x 8 mm*
S1020 **or** S1021	[Handle with Quick-Coupling End] *5" (12,7 cm)* [Handle with Locking Nut] *5" (12,7 cm)*
S1133	[Radial Osteotome] *5" (12,7 cm) x 10 mm*
S1120	[Radial Osteotome] *5" (12,7 cm) x 12 mm*
S1134	[Radial Osteotome] *5" (12,7 cm) x 14 mm*
S1121	[Radial Osteotome] *5" (12,7 cm) x 16 mm*
S1122	[Radial Osteotome] *5" (12,7 cm) x 20 mm*
S2007	[Slap Hammer] *12" (30,5 cm)*
9018	[Case]

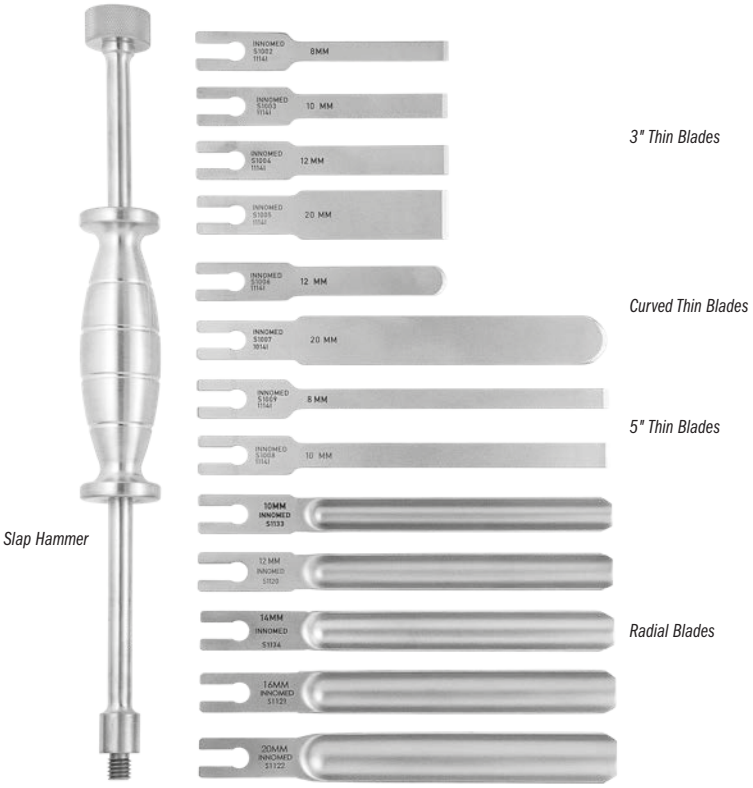
Optional Parts and Blades

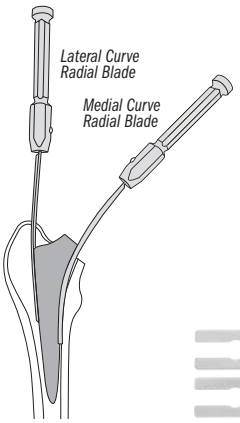
USA MADE

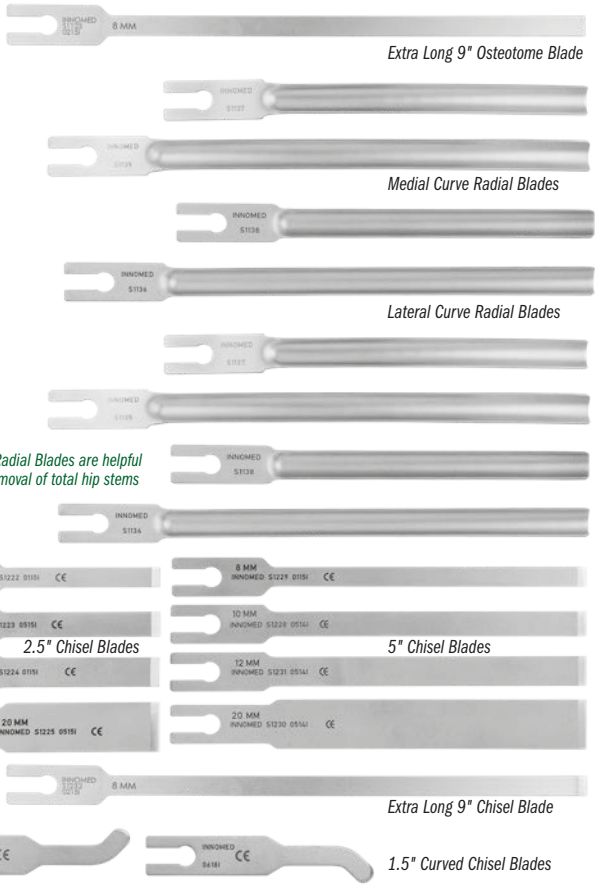
PRODUCT NO'S:	
S1020-SP	[Strike Plate for Handle] *Diameter 1.625" (4,1 cm)*
Optional Blades (Not Included In Complete Set)	
S1123	[Extra Long Osteotome Blade] *7.5" (19,1 cm) x 8 mm*
S1135	[Radial Osteo. Medial Curve] *6.75" (17,1 cm) x 11 mm*
S1136	[Radial Osteo. Lateral Curve] *6.75" (17,1 cm) x 11 mm*
S1137	[Radial Osteo. Medial Curve] *5" (12,7 cm) x 11 mm*
S1138	[Radial Osteo. Lateral Curve] *5" (12,7 cm) x 11 mm*
S1222	[Chisel Blade] *2.5" (6,4 cm) x 8 mm*
S1223	[Chisel Blade] *2.5" (6,4 cm) x 10 mm*
S1224	[Chisel Blade] *2.5" (6,4 cm) x 12 mm*
S1225	[Chisel Blade] *2.5" (6,4 cm) x 20 mm*
S1228	[Chisel Blade] *5" (12,7 cm) x 10 mm*
S1229	[Chisel Blade] *5" (12,7 cm) x 8 mm*
S1230	[Chisel Blade] *5" (12,7 cm) x 20 mm*
S1231	[Chisel Blade] *5" (12,7 cm) x 12 mm*
S1232	[Extra Long Chisel Blade] *7.5" (19,1 cm) x 8 mm*
S1233-L	[Flexible Left Curved Chisel] *2" (5,1 cm) x 8 mm*
S1233-R	[Flexible Right Curved Chisel] *2" (5,1 cm) x 8 mm*

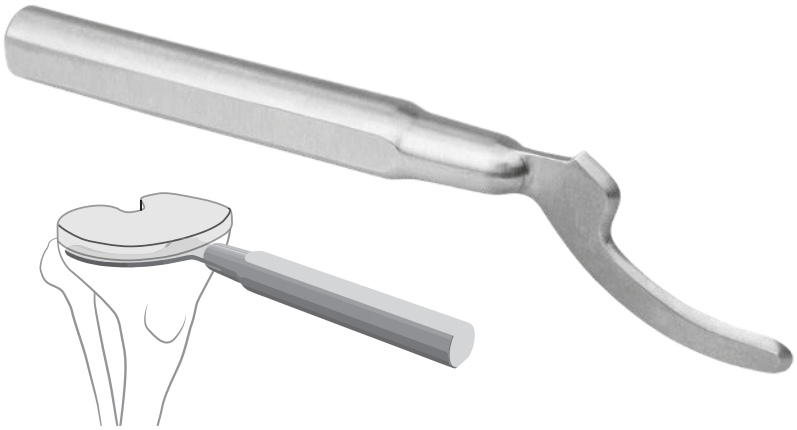
Medial and Lateral Curve Radial Blades designed by Henry Boucher, MD
Curved Chisel Blades designed by William McMaster, MD

INNOMED









Whang Tibial Osteotome

Designed to disrupt the interface of a well fixed tibial base, specifically the lateral portion

PRODUCT NO:
5338 *Overall Length: 8" (20,3 cm)* *Handle Length: 4.5" (11,4 cm)* *Blade Thickness: 2,5 mm*

Designed by William Whang, MD

USA MADE

Complete Set

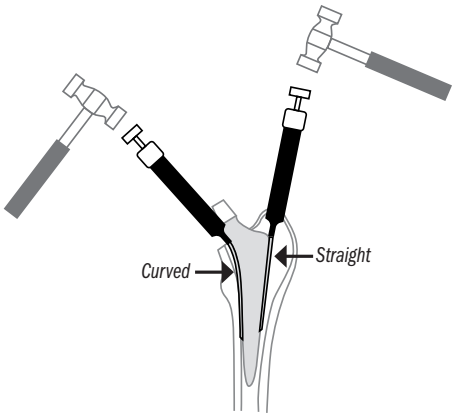
Two blades included in Set

Whelan Curved Chisel Guide

Designed to help stabilize a thin curved chisel blade until it's within the bone prosthesis interface

Guide with sliding handle helps to stabilize a curved, thin flexible chisel blade until it's within the bone prosthesis interface. Chisel tip lets it hug prosthesis to help prevent perforation. Slap hammer threads into the handle and is designed to facilitate blade removal. Easily changeable disposable blades help assure sharpness.

PRODUCT NO'S:
5302-00 [Complete Set]
Included In Set / Replacement Parts:
5302-01 [Guide Only] *Overall Length: 5" to 8.75" (12,7 cm to 22,2 cm)*
5302-02 [10 mm Curved Chisel Blade Only] *Overall Length: 4.25" (10,8 cm)* *Blade Thickness: .020" (.51 mm)*
3040 [Slap Hammer]
1015 [Sterilization Case]



Chisel blade features an ultra hard titanium nitride coating to help extend life by increasing surface hardness, prolonging sharpness, and resisting chemicals and corrosion.

USA MADE

Designed by E. J. Whelan, III, MD

Whelan Flexible Chisel Guide

Designed to help stabilize a chisel blade until it's within the bone prosthesis interface

Guide with sliding handle helps to stabilize a thin flexible chisel blade until it's within the bone prosthesis interface. Chisel tip lets it hug the prosthesis to help prevent perforation. Slap hammer threads into the handle and is designed to facilitate blade removal. Easily changeable disposable blades help assure sharpness.

PRODUCT NO'S:
5301-00 [Complete Set]
Individual Instruments:
5301-01 [Guide Only] *Overall Length: 5.5" to 8.5" (14 cm to 21,6 cm) w/o blade*
5301-02 [Chisel Blade] *Single 10 mm Blade* *Overall Length: 4.625" (11,7 cm)* *Blade Thickness: .020" (.51 mm)*
3040 [Slap Hammer]
1015 [Sterilization Case]

Complete Set

Two blades included in Set

Chisel blade features an ultra hard titanium nitride coating to help extend life by increasing surface hardness, prolonging sharpness, and resisting chemicals and corrosion.

USA MADE

Designed by E. J. Whelan, III, MD

REVISION

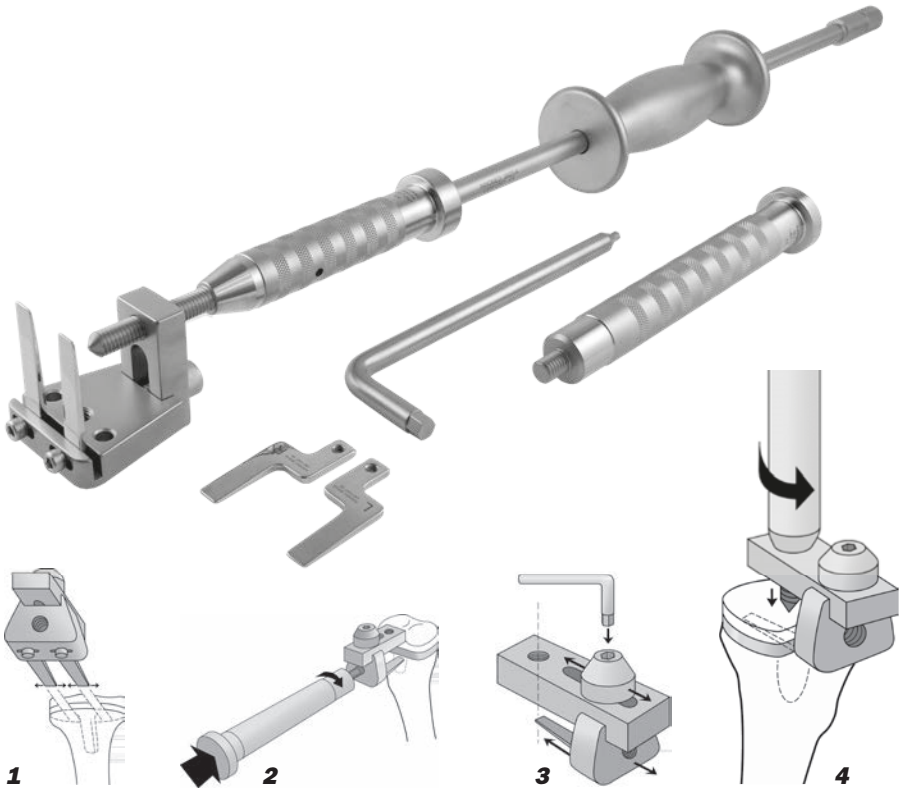
Tibial Component Extractor

Universal extraction instrument clamps onto a tibial knee component for extraction

The Tibial Component Extractor is designed to lock onto a tibial component and extract in line with the stem or pegs. Two adjustable osteotomes are inserted on the underside of the component. A locking screw clamps on to the top of the extractor to secure the component. Includes standard slap hammer.

PRODUCT NO'S:
3630 [Extractor with Standard Slap Hammer]
Optional/Individual/Replacement Parts:
3630-01 [Pair of Standard Blades] *10 mm x 50 mm*
3630-02 [Pair of Offset Blades] *10 mm x 50 mm, Offset 15 mm*
3630-HS [Hex Screws] *Pkg of 6*
3925 [Standard Slap Hammer] *Thread Gauge: 3/8"-16*
3935 [Extra Large Slap Hammer] *Thread Gauge: 3/8"-16*

USA MADE



Easy Grip Slap Hammer

Designed to help cushion the surgeon's hand

PRODUCT NO'S:
3926 [Slap hammer with 16" Rod]
Also available individually:
3925-HS [Slap hammer only]
3925-A [16" Rod only]

USA MADE

1 *Adjust Blades To Fit Component*
The straight or angled blades are adjusted by loosening the attached screws and sliding the blades into the desired position.

2 *Drive Blades Under Component*
The blades are driven under the tibial base.

3 *Tighten Threaded Rod Onto Component*
The site hole for the pointed, threaded rod can be aligned with the proximal surface of the tibial component by using the included hex wrench system. The pointed, threaded rod is tightened onto either a polyethylene or metal tibial component.

4 *Attach Slap Hammer Assembly & Remove Component*
The slap hammer assembly is threaded into the threaded rod handle for removal of the component.

Incavo Tibial Component Revision Osteotomes

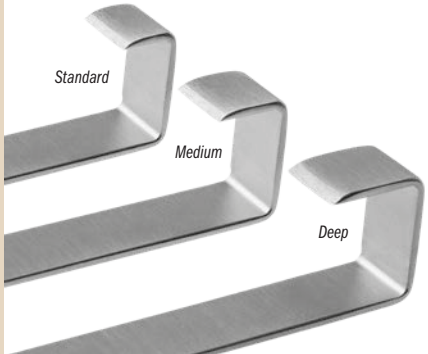
Designed to help break the posterior cement-bone interface when removing a cemented tibial TKA component

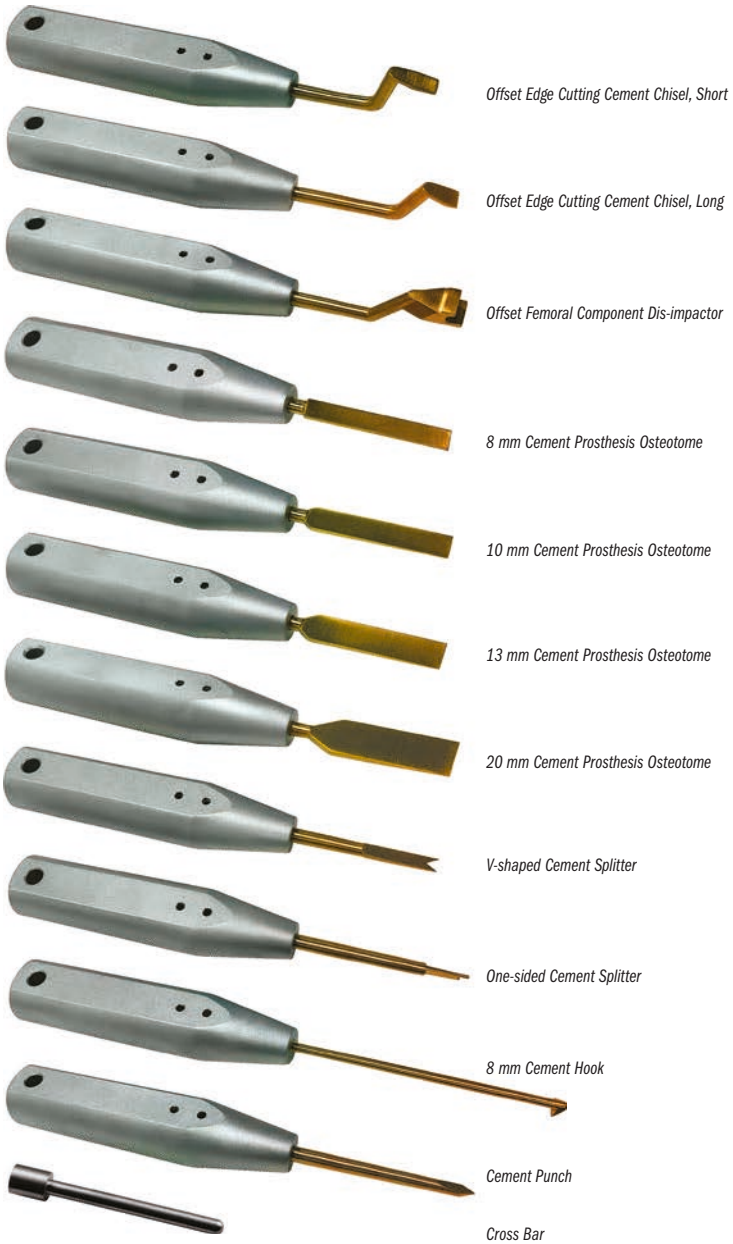
Also used to help break the posterior implant-bone interface when removing a cementless tibial TKA component.

PRODUCT NO'S:
3621-00 [Complete Set]
Set Includes:
3621-01 [Standard Osteotome] *Blade Length: 10 mm* *Blade Width: 1/2" (12,7 mm)* *Blade Offset: 3/4" (19,1 mm)* *Overall Length: 8.5" (21,6 cm)*
3621-02 [Medium Osteotome] *Blade Length: 14 mm* *Blade Width: 1/2" (12,7 mm)* *Blade Offset: 3/4" (19,1 mm)* *Overall Length: 8.5" (21,6 cm)*
3621-03 [Deep Osteotome] *Blade Length: 18 mm* *Blade Width: 1/2" (12,7 mm)* *Blade Offset: 3/4" (19,1 mm)* *Overall Length: 8.5" (21,6 cm)*
3040 [Slap Hammer]
1015 [Sterilization Case]

Designed by Stephen J. Incavo, MD

USA MADE





Offset Edge Cutting Cement Chisel, Short

Offset Edge Cutting Cement Chisel, Long

Offset Femoral Component Dis-impactor

8 mm Cement Prosthesis Osteotome

10 mm Cement Prosthesis Osteotome

13 mm Cement Prosthesis Osteotome

20 mm Cement Prosthesis Osteotome

V-shaped Cement Splitter

One-sided Cement Splitter

8 mm Cement Hook

Cement Punch

Cross Bar

Lachiewicz Total Knee Revision Set

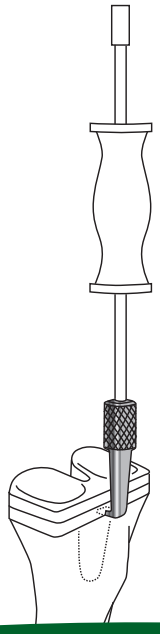
Used for total knee revision

PRODUCT NO'S:	
3700-00	[Complete Set]
Individual Instruments:	
3700-01	[10 mm Offset Edge Cutting Cement Chisel, Short] *Overall Length: 8" (20,3 cm)*
3700-02	[15 mm Offset Edge Cutting Cement Chisel, Long] *Overall Length: 8.125" (21 cm)*
3700-03	[Offset Femoral Comp. Disimpactor] *Overall Length: 8.75" (22,2 cm)*
3700-04	[8 mm Cement Osteotome] *Overall Length: 8" (20,3 cm)*
3700-05	[10 mm Cement Osteotome] *Overall Length: 8" (20,3 cm)*
3700-06	[13 mm Cement Osteotome] *Overall Length: 8" (20,3 cm)*
3700-07	[20 mm Cement Osteotome] *Overall Length: 8" (20,3 cm)*
3700-08	[V-shaped Cement Splitter] *Overall Length: 7.5" (19,1 cm)*
3700-09	[One-sided Cement Splitter] *Overall Length: 8.5" (21,6 cm)*
3700-10	[8 mm Cement Hook] *Overall Length: 11" (27,9 cm)*
3700-11	[Cement Punch] *Overall Length: 8.75" (22,2 cm)*
3700-12	[Removal Cross Bar] *Overall Length: 4.375" (11,1 cm)*
3700-CASE	[Case for Set] *Dimensions: 16.25" x 13" x 1.75" (41,3 x 33 x 4,4 cm)*

Designed by Paul F. Lachiewicz, MD

USA MADE

4 mm Gorski Hook *8 mm Brown Gorski Hook*



Tibia Tray Removal Hooks

Designed to be used with a slap hammer to remove a tibia tray during revision knee surgery

PRODUCT NO'S:	
3650	[4 mm Gorski Hook with Standard Slap Hammer #3925]
3650-01	[4 mm Gorski Hook Only]
3655	[8 mm Brown Gorski Hook with Standard Slap Hammer #3925]
3655-01	[8 mm Brown Gorski Hook Only]
Optional Items:	
3935	[Extra Large Slap Hammer] *Thread Gauge: 3/8"-16*

Designed by Jerrold Gorski, MD
Modified 8 mm version designed by Dennis Brown, MD

USA MADE

Foster Cement Osteotome

Designed to help remove a UKA/TKA component

Features a large handle and striking platform.

PRODUCT NO:
5232 *Osteotome Width: 6.7 mm* *Overall Length: 8.5" (21,6 cm)* *Handle Length: 5.75" (14,6 cm)*

Designed by Scott A. Foster, MD

USA MADE

Eickmann Knee Revision Set

Used for total knee revision

USA MADE

PRODUCT NO'S:
5470-00 [Complete Set]
Individual Instruments:
5470-08 [8 mm Chisel] *Osteotome Width: 8 mm* *Blade Length: 2.375" (6 cm)* *Overall Length: 7.375" (18,7 cm)*
5470-11 [11 mm Chisel] *Osteotome Width: 11 mm* *Blade Length: 2.375" (6 cm)* *Overall Length: 7.375" (18,7 cm)*
5470-20 [20 mm Chisel] *Osteotome Width: 20 mm* *Blade Length: 2.375" (6 cm)* *Overall Length: 7.375" (18,7 cm)*
5472-08 [8 mm Offset Cement Removal Chisel] *Osteotome Dimensions: 8 mm W x 12 mm L* *Blade Length: 2.375" (6 cm)* *Overall Length: 7.375" (18,7 cm)*
5474-06 [6 mm Notched Cement Removal Chisel] *Osteotome Width: 6 mm* *Blade Length: 2.625" (6 cm)* *Overall Length: 7.375" (18,7 cm)*
5475-08 [8 mm Implant Remover] *Diameter: 8 mm* *Blade Length: 2.625" (6 cm)* *Overall Length: 7.375" (18,7 cm)*
5470-CASE [Case Only]

Designed by Thomas Eickmann, MD

Bozeman Cement Trimmer

Combines the two most common cement trimming tools into one

The blunt blade tip end helps with separation of the trimmed cement. The angled curette end helps gather the trimmings. The thin shank and angled curette can reach into tight spaces such as the back of the implants to remove excess cement. The titanium nitrite coated ends help eliminate metal transfer.

PRODUCT NO:
5245 *Overall Length: 8.5" (21,6 cm)*

Designed by Daniel M. Gannon, MD

MADE EXCLUSIVELY FOR INNOMED IN GERMANY

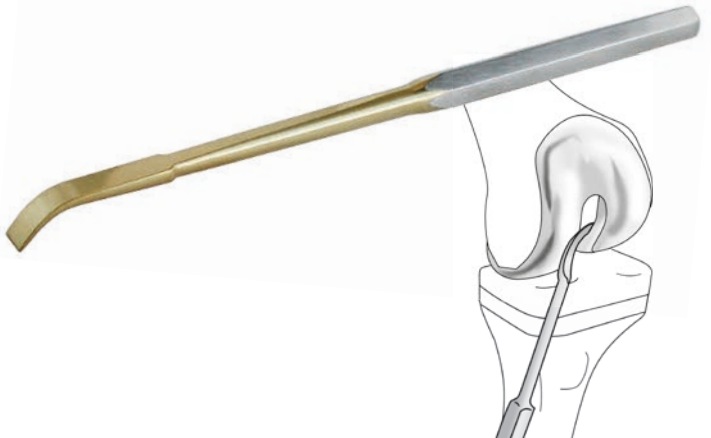
Curved Cement Osteotome

For use in the femoral notch during removal of a knee femoral component

Can be used to help separate the prosthesis/bone or prosthesis/cement interface. The curve of the osteotome allows it to be used in the femoral notch of a femoral component.

PRODUCT NO:
5220 *Overall Length: 6.75" (17,1 cm)* *Handle Length: 3" (7,6 cm)* *Blade Width: 6.8 mm*

USA MADE



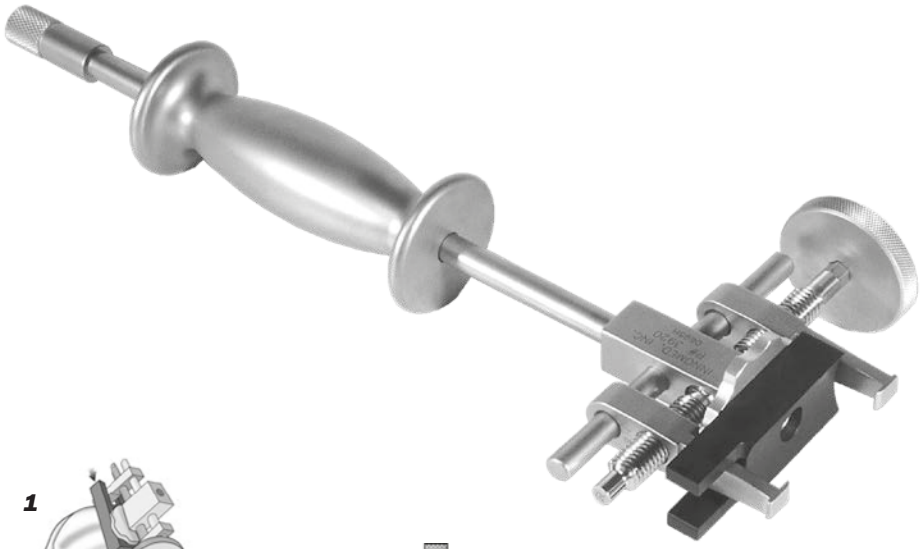
INNOMED

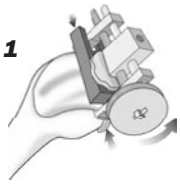
Femoral Component Extractor

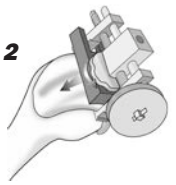
Universal extraction instrument clamps onto a femoral knee component for extraction

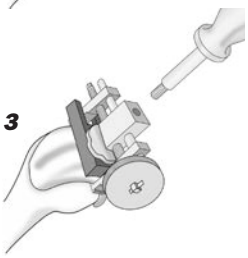
A standard set of jaws is used for slotted and unslotted femoral components. Features a round tightening wheel which allows the surgeon to easily tighten the jaws without using a separate socket wrench. The tightening wheel can be easily removed for replacing the jaws. The copolymer prosthesis stabilizing block allows access to the block tightening wheel. Includes standard slap hammer.

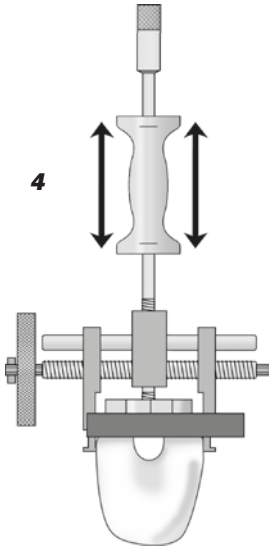
PRODUCT NO'S:
3920 [Extractor w/Std. Slap Hammer #3925]
Optional/Individual/Replacement Parts:
3920-SJ [Pair of Standard Jaws]
3925 [Standard Slap Hammer] *Thread Gauge: 3/8"-16*
3935 [Extra Large Slap Hammer] *Thread Gauge: 3/8"-16*









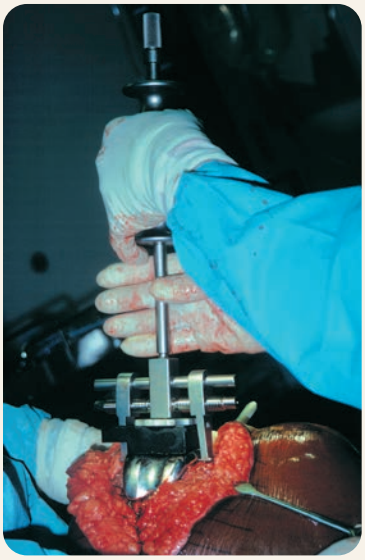


1 *Attach Jaws To Component*
The jaws are tightened against the femoral component with the socket wrench or tightening wheel.

2 *Stabilize The Component*
The delrin stabilizing insert is tightened against the femoral component by rotating the thumbwheel.

3 *Attach Slap Hammer Assembly*
The slap hammer assembly is threaded into the extractor body.

4 *Use Slap Hammer Assembly To Remove Component*
The slap hammer is also designed with a hammer flare for optional use with a mallet.



USA MADE

Easy Grip Slap Hammer

Designed to help cushion the surgeon's hand

PRODUCT NO'S:
3926 [Slap hammer with 16" Rod]
Also available individually:
3925-HS [Slap hammer only]
3925-A [16" Rod only]

USA MADE

Boynton Punch

Helpful in removing trial, femoral and revision total knee components

The flange end fits onto the flange of a femoral knee component or trial.

PRODUCT NO'S:
5120-01 [Standard] *Overall Length: 11.75" (29,8 cm)* *Shaft Diameter: 9.5 mm*
5120-02 [Offset] *Overall Length: 11.75" (29,8 cm)* *Shaft Diameter: 9.5 mm* *Punch End Offset: 6 cm*

Designed by L. Boynton, MD

USA MADE

Cherf Leg Holder

Supports the lower extremity for prepping before knee or hip surgery

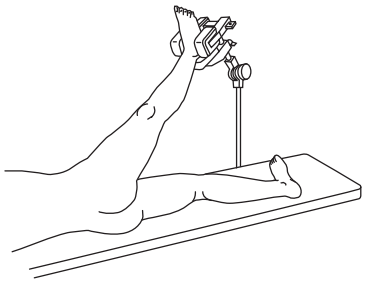
Useful for all lower extremity procedures and is particularly helpful for supporting the leg with the patient positioned in the lateral position. By holding the foot/ankle in an externally rotated position, the knee can be locked into extension which helps eliminate the need for manual support.

May also be used to support the limb for surgical patients in the supine position such as for knee and foot/ankle procedures.

PRODUCT NO'S:
2270
Replacement Parts:
4150-PD3 [Set of 3 Small Pads]

USA MADE

Designed by John Cherf, MD



Capello Patient Positioner

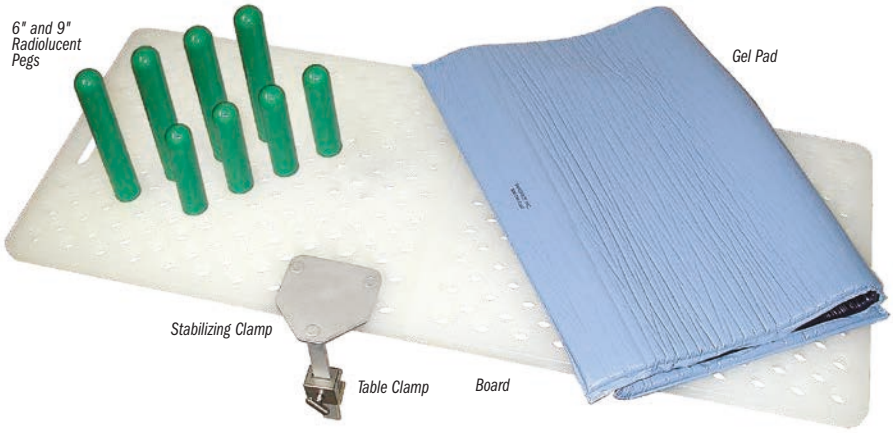
Provides stable positioning of a patient during hip procedures

Optional two-piece board construction allows for easier use and storage. Includes: Board, Gel Pad, (4) 6" Radiolucent Pegs, (4) 9" Radiolucent Pegs, (2) Stabilizing Clamps, (2) Table Clamps. All gel pads, pegs and peg height extensions can be used with existing peg boards. The board is also available in a one-piece design. The pegs are radiolucent.

PRODUCT NO'S:	
4090	[Set with 2-Piece Board]
4095	[Set with 1-Piece Board]
Optional & Replacement Parts:	
4090-PB	[2-Piece Positioning Board]
4095-PB	[1-Piece Positioning Board]
4090-06	[6" (15,2 cm) Radiolucent Peg]
4090-08	[9" (22,9 cm) Radiolucent Peg]
4090-SC	[Stabilizing Clamp]
4090-01	[Large Gel Pad]
4090-EXT	[Peg Extension]
4090-02	[Peg Gel Pad]
9120	[Table Clamp]

Designed by William Capello, MD

USA MADE



Board Dimensions: 47" x 18.75" (120 cm x 47,6 cm)

Two-piece board design with Interlocking board pieces for easy handling

Also available in a one-piece design

Optional Peg Pad

Optional Peg Extension

Large Patient Peg Board Positioner Post Assembly

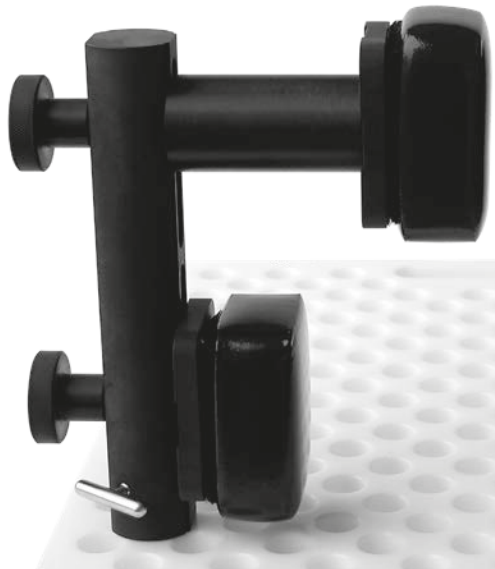
Especially helpful with large patients where reaching the a.s.i.s. is needed for stabilization

PRODUCT NO'S:	
4150-10P	[Complete Set]
Assembly Set Includes:	
4090-03	[Post Assembly Adapter]
4150-10B	[10" (25,4 cm) Post with 2 Pads]
4150-EXT	[2" (5,1 cm) Spacer with 4" (10,2 cm) Knob]
4150-EXT4	[4" (10,2 cm) Spacer with 6" (15,2 cm) Knob]

NOTE: The peg board positioner is available separately and is not included with this assembly set.

Designed by Paul Ramsey, MD

USA MADE



Post Assembly Adapter

INNOMED

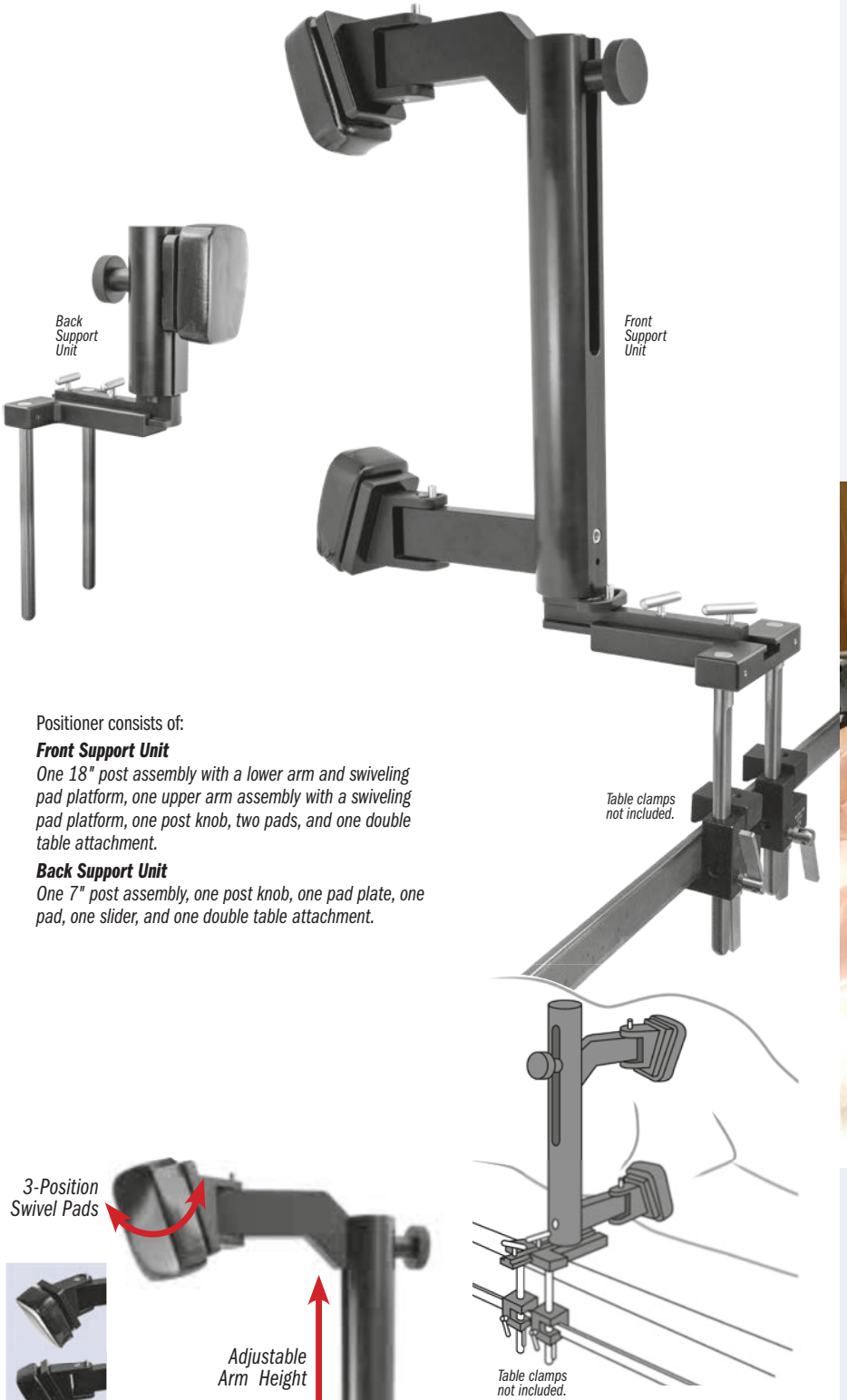
Thornberry Hip Positioner

Designed to be adjustable yet sturdy, and is especially helpful when stabilizing a large patient during total hip and revision surgery

The Thornberry Hip Positioner is designed to attach directly to the operating table utilizing existing table clamps, or the Innomed #2595 Table Clamps, which are not included.

The upper arm assembly can be adjusted for height. Both arms include a push-button to allow the pad platform to swivel and lock into any of three fixed positions. The tall 18" post also includes a push-button to allow the post/arms unit to swivel and lock into any of three fixed positions.

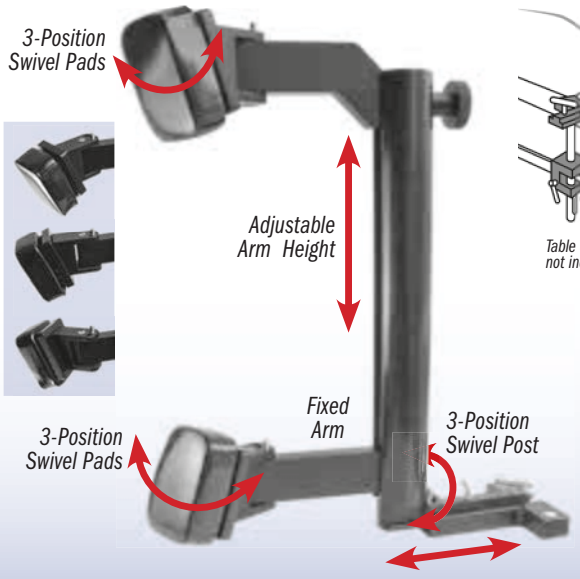
The complete unit is autoclavable except for the foam pads. The pads are made of semi-dense foam to help prevent pressure points and are sealed with a washable coating. The coating also helps to lessen the possibility of skin breakdown.



Positioner consists of:

Front Support Unit
One 18" post assembly with a lower arm and swiveling pad platform, one upper arm assembly with a swiveling pad platform, one post knob, two pads, and one double table attachment.

Back Support Unit
One 7" post assembly, one post knob, one pad plate, one pad, one slider, and one double table attachment.



Distance Between Arms (Centered):
8.5" (21,6 cm) Minimum,
17.25"(43,8 cm) Maximum

It may be necessary to place the Double Table Attachment(s) 180°—sticking out from the table—to accommodate the large patient, as shown at above.

PRODUCT NO'S:
4160-00 [Complete Set]
Items Included in Set:
4160-07 [7" (17,8 cm) Back Support Post]
4160-18 [18" (45,7 cm) Post w/Fixed Lower Arm]
4160-AA [Adjustable Upper Arm]
4160-DTA [Double Table Attachment] *Two (2) included with set; One (1) only with this number*
4160-PB [Post Knob] *Two (2) included with set; One (1) only with this number*
4150-P [Pad Plate for Back Support]
4150-PD3 [Set of Three (3) Pads]
4150-S [Back Support Slider]
Optional Items:
2595 [Table Clamp] *One only with this number*

Designed by Robert L. Thornberry, MD

USA MADE

Wixson Hip Positioner

Provides stable positioning of a patient during hip surgery

USA MADE

The Wixson Hip Positioner is used for stable positioning of a patient during total hip and revision surgery. It is designed to be placed on top of the operating table.

The base plate is rubber-backed to reduce slipping on the table. The uprights can easily be slid in and out of the multiple slots in the plate for desired positioning and locked into position with the locking bolt. The complete upright assembly is radiolucent.

The upright pads and the base plate pad are made of semi-dense foam to help prevent pressure points and are sealed with a washable coating. The coating also helps to lessen the possibility of skin breakdown.

The hip positioner consists of: One 10" post with double pads, one 6" post with a single pad, one 20" base plate, one base plate pad, two 2" spacers, one 4" knob, and one 6" knob.

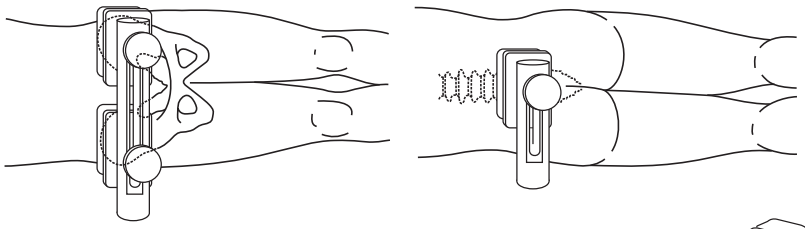
The spacers and longer knobs are supplied for use with larger patients: use one spacer with the 4" knob, or combine the two spacers to use with the 6" knob.

The pad assembly can be adjusted for additional height and width. The upright posts are modular. The complete unit is radiolucent and autoclavable except for the foam pads.

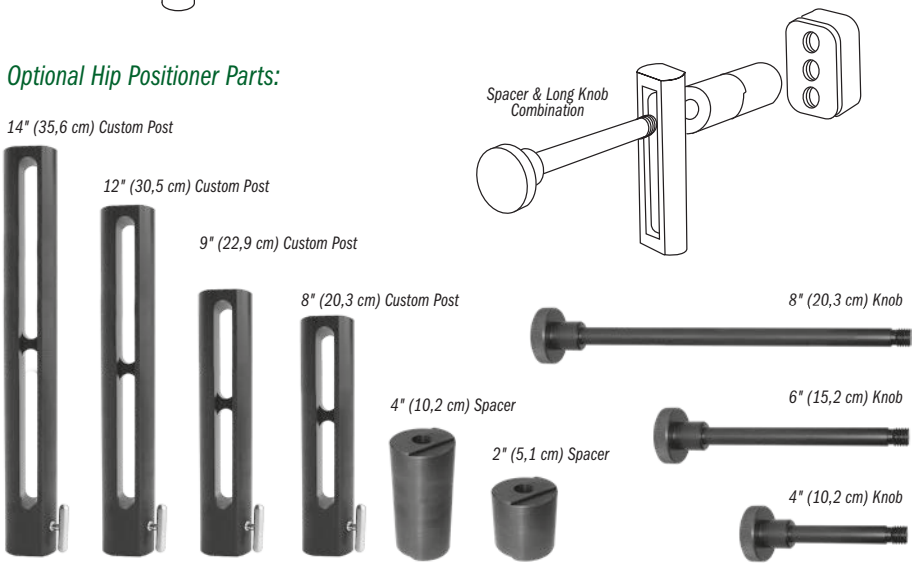
PRODUCT NO'S:	
4050	
Optional & Replacement Parts:	
4150-C	[2" (5,1 cm) Spacer]
4150-C4	[4" (10,2 cm) Spacer]
4150-EK	[4" (10,2 cm) Knob] *For use with 2" Spacer*
4150-EK4	[6" (15,2 cm) Long Knob] *For use with two 2" Spacers or one 4" Spacer*
4150-EK6	[8" (20,3 cm) Long Knob] *For use with one 2" Spacer and one 4" Spacer*
4150-EXT	[2" Spacer with 4" Knob]
4150-EXT4	[4" Spacer with 6" Knob]
4150-EXT6	[4" and 2" Spacer with 8" Knob]
4150-06	[6" (15,2 cm) Post]
4150-08	[8" (20,3 cm) Custom Post]
4150-09	[9" (22,9 cm) Custom Post]
4150-10	[10" (25,4 cm) Post]
4150-12	[12" (30,5 cm) Custom Post]
4150-14	[14" (35,6 cm) Custom Post]
4150-PD3	[Set of 3 Small Pads]
4050-LPD	[Large Pad]
4050-BP	[20" (50,8 cm) Wide Baseplate]
4050-BP24	[24" (61 cm) Custom Wide Baseplate]

Designed by R.L. Wixson, MD

Baseplate Dimensions: 20" x 11.25" (50.8 cm x 28,6 cm)



Optional Hip Positioner Parts:



Multi-Adjustment Hip Positioner

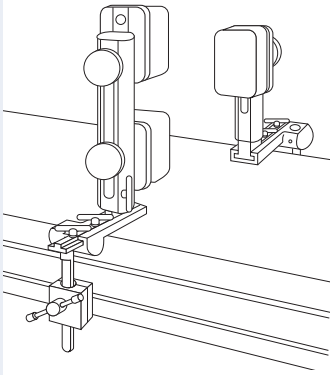
Provides stable positioning of a patient during hip surgery

Multi-adjustment arms allow the positioner to be adjusted to fit all sizes of patients. Extra attachment allows for more versatility of placement. Especially helpful with large patients where reaching the a.s.i.s. is needed for stabilization.

PRODUCT NO'S:	
4030	
Replacement Parts:	
4150-PD2	[Set of 2 Small Pads]

USA MADE

INNOMED



Stulberg Hip Positioner

Provides stable positioning of a patient during hip surgery

USA MADE

The Stulberg Hip Positioner is used for stable positioning of a patient during total hip and revision surgery. It is designed to attach directly to the operating table utilizing the existing table adapters.

The upright pads are made of semi-dense foam to help prevent pressure points and are sealed with a washable coating. The coating also helps to lessen the possibility of skin breakdown.

The hip positioner consists of: One 10" post assembly with double pads and one 6" post assembly with a single pad, two 2" spacers, one 4" knob, one 6" knob, and two table attachments.

The spacers and longer knobs are supplied for use with larger patients: use one spacer with the 4" knob, or combine the two spacers to use with the 6" knob.

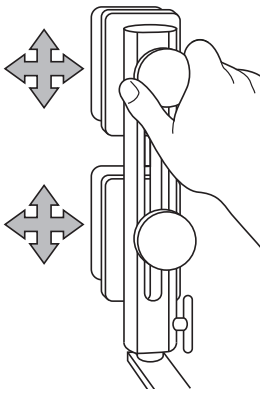
The pad assembly can be adjusted for additional height and width. The upright posts are modular. The complete unit is radiolucent and autoclavable except for the foam pads and the storage case.

PRODUCT NO'S:	
4150-00	
Optional & Replacement Parts:	
4150-C	[2" (5,1 cm) Spacer]
4150-C4	[4" (10,2 cm) Spacer]
4150-EK	[4" (10,2 cm) Knob] *For use with 2" Spacer*
4150-EK4	[6" (15,2 cm) Long Knob] *For use with two 2" Spacers or one 4" Spacer*
4150-EK6	[8" (20,3 cm) Long Knob] *For use with one 2" Spacer and one 4" Spacer*
4150-EXT	[2" Spacer with 4" Knob]
4150-EXT4	[4" Spacer with 6" Knob]
4150-EXT6	[4" and 2" Spacer with 8" Knob]
4150-06	[6" (15,2 cm) Post]
4150-08	[8" (20,3 cm) Custom Post]
4150-09	[9" (22,9 cm) Custom Post]
4150-10	[10" (25,4 cm) Post]
4150-12	[12" (30,5 cm) Custom Post]
4150-14	[14" (35,6 cm) Custom Post]
4150-PD3	[Set of 3 Small Pads]
4150-TA	[Table Attachment]
9002	[Storage Case]

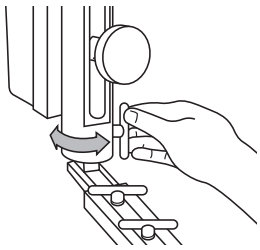
Designed by S. David Stulberg, MD

Storage Case Included

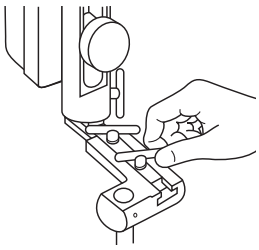
The pads can be adjusted for height and width.

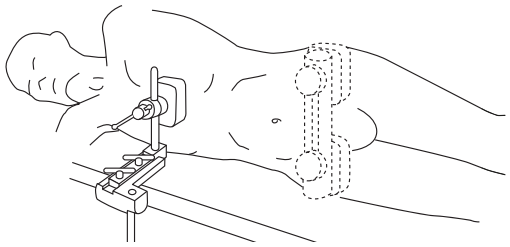


The upright assembly can be rotated and locked in place.



The upright assembly adjusts by a sliding track to accommodate various sized patients. It is locked in the sliding track by tightening one or two locking bolts.





Wixson/Stulberg Anterior Trunk Support

Helps protect the chest and shoulders from slumping forward during total hip surgery

PRODUCT NO:
4110

USA MADE

Designed by R.L. Wixson, MD and S. David Stulberg, MD

Berger Block Positioner

Designed for lower extremity positioning with dual height options

PRODUCT NO'S:
2750-00 [Berger Block Positioner Set] *Dimensions with Pads:* *4.75" x 6.75" x 8" (12,1 cm x 17,1 cm x 20,3 cm)*
Set Includes / Available Individually:
2750-01 [Block Positioner Only] *Dimensions: 4.125" x 6.125" x 8" (10,5 cm x 15,6 cm x 20,3 cm)*
2750-P [Block Positioner Pad Only]
[Block Positioner Brown Strap Only] *(2) Included in Set*
Optional Items:
2750-S [Block Positioner Brown Strap] ***Pkg of 10***

USA MADE

Designed by Richard Berger, MD

Use in Hip Surgery

Use in Knee Surgery

Sanders Extremity Positioning Tubes

Designed to support the knee and ankle during lower extremity surgery

The 6" tube lifts the knee off the operating table and allows for approximately 30° of knee flexion. Very useful for closure of total knee incisions, supporting fractures of the distal femur, and tibia plateau fractures. The 4" tube elevates the foot and ankle for ankle fracture surgery. The tubes are made of aluminum, allowing them to be autoclaved. They help eliminate the need for rolled sheet bolsters.

Designed by Richard A. Sanders, MD

PRODUCT NO'S:	
2740-01 [Small] *Diameter: 4" (10,2 cm)* *Width: 8" (20,3 cm)*	2740-02 [Large] *Diameter: 6" (15,2 cm)* *Width: 8" (20,3 cm)*

USA MADE

Sanders Tube Holder

Designed to help stabilize the Sanders Extremity Positioning Tubes (#2740-01 & -02)

The tube holder will help stabilize the tubes when used for lower extremity positioning for lower extremity surgery. Also, by using the tubes with the Stulberg Sliding Bolster (#2730 – see page 82), the knee can be placed in less flexion during the initial incision and wound closure.

PRODUCT NO:
2740-03 *Dimensions: 8" x 4" x 1.625" (20,3 x 10,2 x 4,1 cm)*

USA MADE

Designed by Richard Sanders, MD

Stulberg Sliding Bolster

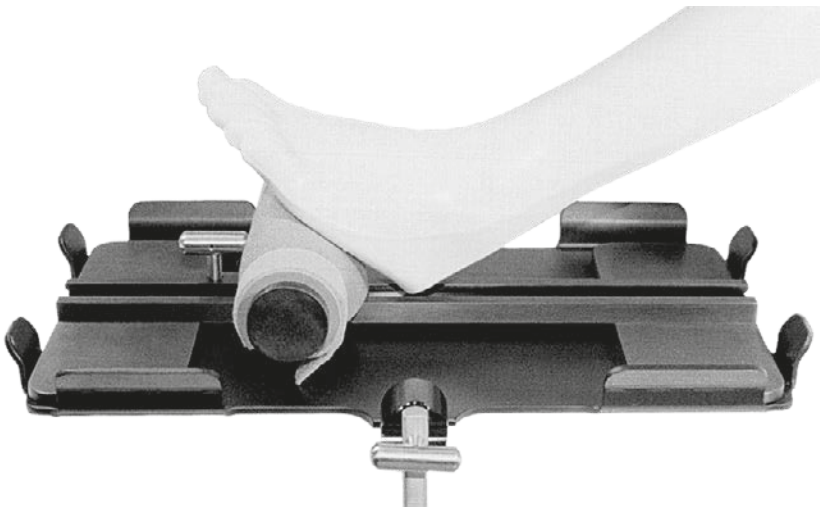
Helps eliminate the need for a sand bag during total knee surgery

The base plate is attached to the table and the sterile sliding bolster is placed on top of the sterile drape. The bolster can be adjusted for different angles of knee flexion during surgery.

PRODUCT NO:
2730 *Base Dimensions:* *20" x 10.5" (50,8 cm x 26,7 cm)*

Designed by S. David Stulberg, MD

USA MADE



INNOMED

Adjustable Knee & Tibial Positioner

Adjustable design allows for use in procedures around the knee such as tibial nailing, tibial condyle plating, patella fracture fixation, supracondylar fracture plating, supracondylar fracture nailing, and total knee replacement

Radiolucent. Steam sterilizable.

PRODUCT NO'S:
2770-00 [Set] *Includes Positioner, Pad, and Two Short Straps*
Individual / Replacement Parts
2770-01 [Positioner] *Overall Length (Folded): 28" (71,1 cm)* *Overall Length (Flat): 54.75" (139 cm)* *Maximum Triangle Height: 14" (35,6 cm)* *Width: 5.5" (14 cm)* *Thickness (Folded): 1.8" (4,6 cm)* *Thickness (Flat): .75" (1,9 cm)*
2770-P [Silicone Pad] *Dimensions: 12" x 5.5" (30,5 cm X 14 cm)*
2590-S [Short Straps] *Pkg of 10*

USA MADE

Designed by Ashutosh Chaudhari, MD

Fromm Femur & Tibia Triangles

Used for femur and tibia positioning during nailing, repairs and fractures

Designed to position and hold the femur and tibia during intramedullary nailing of the tibia, ligament repairs and extremity fractures. Allows knee to be flexed greater than 90° to allow reaming and nail insertion without displacing fracture. The triangles are available in four heights: 8.5", 11", 14", and 16". The three smaller triangles are designed to fit inside the larger triangle for storage. They are supplied with an autoclavable silicone cushioning pad and velcro* straps. The triangles are radiolucent and gas or steam sterilizable.

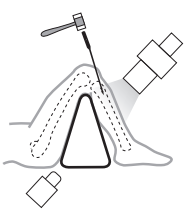
PRODUCT NO'S:
2760-00 [Set of 3] *Angles: Top 30°, Two Bottom 75°*
2760-01 [11"] *Base: 6" (15,2 cm), Height: 11" (27,9 cm)*
2760-02 [14"] *Base: 7" (17,8 cm), Height: 14" (35,6 cm)*
2760-03 [16"] *Base: 9" (22,9 cm), Height: 16" (40,7 cm)*
Sold Separately – Not In Set:
2760-XS [8.5"] *Base 5" (12,7 cm), Height: 8.5" (21,6 cm)*
Replacement Parts:
2760-P [Silicone Pad]
2760-S [Straps] *Package of 18*
8120-SP [Straps for XS] *Package of 10*

Designed by S.E. Fromm, MD.
Extra Small Triangle designed by S.E. Fromm, MD & Kenneth Merriman, MD.

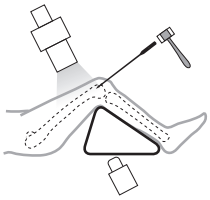
USA MADE

*Velcro® is a registered trademark of the Velcro Companies.

Tibial Nailing

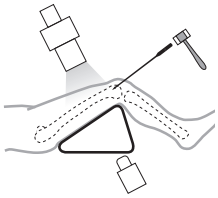


Retrograde Femoral Nailing



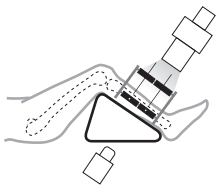
Retrograde Femoral Nailing

Triangle holds femur reduced (prevents sagging)



Tibia Reduced For:

- Open Reduction and Internal Fixation (ORIF)
- Application of uni- or multi-plane external fixator
- Knee ligament repairs and/or reconstruction



Robb Leg Positioner

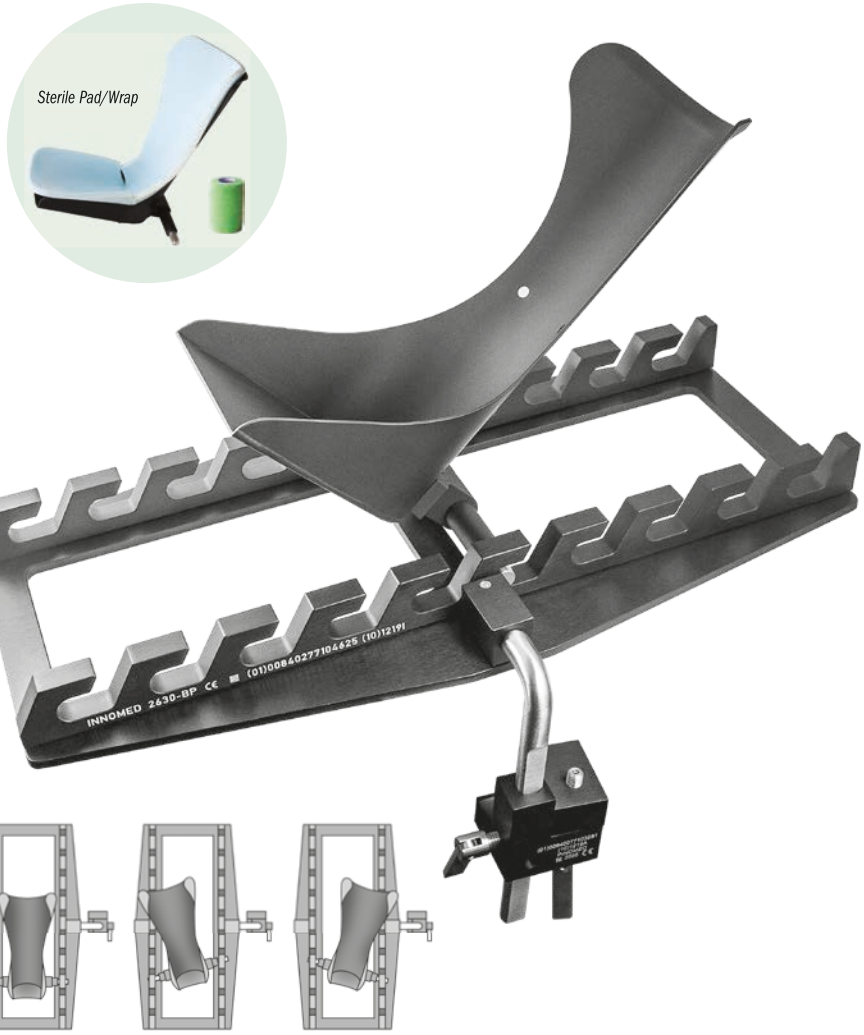
Provides stable positioning of the knee during surgery

Slotted base allows the leg to be easily flexed or extended during knee surgery. Slots are also designed to allow the foot piece to be rotated. The unit can be sterilized by either gas or steam sterilization. Supplied with sterilizable table clamp which can be clamped over the sterile drape to the O.R. table side bar. Three (3) Sterile Pads/Wraps are included with each new purchase.

PRODUCT NO'S:
Base Dimensions: 21" x 11" (53,4cm x 27,9cm)
2630-11 [Leg Positioner w/Aluminum Footpiece]
Optional & Replacement Parts:
2630-FP [Aluminum Footpiece Only]
2629-00 [Case of 10 Sterile Pads/Wraps]
2595 [Table Clamp]

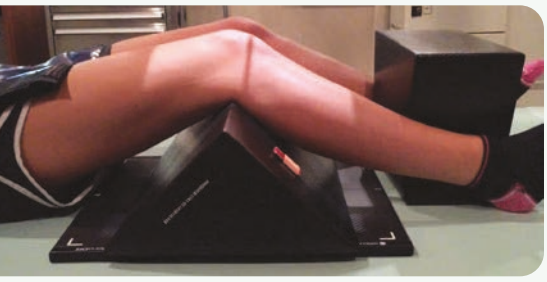
Designed by William Robb, MD

USA MADE



Patient Self Stress Assembly Set

Designed to help position a patient for X-ray evaluation to help determine candidacy for Unicompartmental Knee Arthroplasty

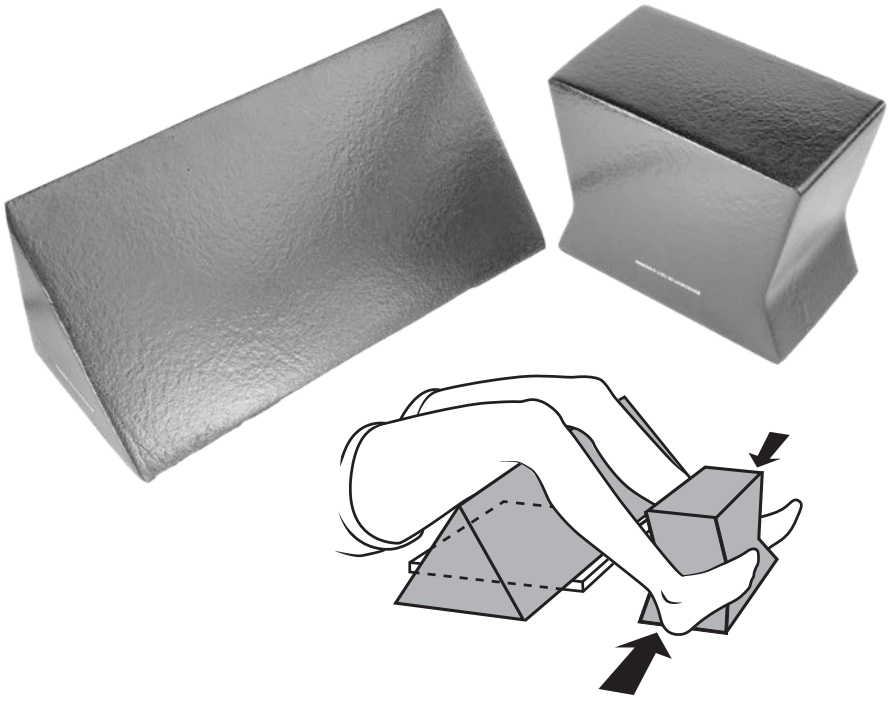


Used to help obtain a valgus stress view radiograph that will show a corrected medial compartment to test the functionality of the lateral compartment, with visualization of the patella in a true AP position and a flat tibial plateau.

PRODUCT NO'S:
2741-00 [Set]
Individual Positioners:
2741-01 [Triangle Positioner] *Dimensions: 24" x 9" x 9" (61 cm x 23 cm x 23 cm)*
2741-02 [Contoured Cube] *Dimensions: 11" x 9" x 6" (28 cm x 23 cm x 15,2 cm)*

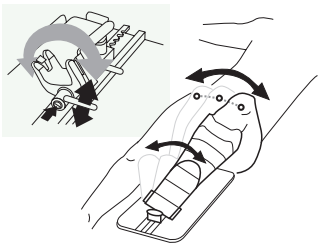
USA MADE

Designed by Kyle Cook, RTR and David Mauerhan, MD



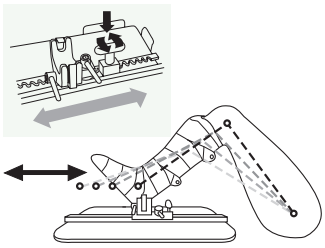
INNOMED

Tilt Bar



Loosening the Tilt Bar allows the knee to be tilted in either direction. Tightening the bar locks the Yoke System in the desired position.

Ratchet



The Ratchet allows the Yoke Assembly to be moved in a precise gradual manner, the length of the Track. For faster adjustments, downward pressure on the Ratchet Handle releases the Yoke Assembly which then can be easily slid the length of the Track.

Rotation Bar

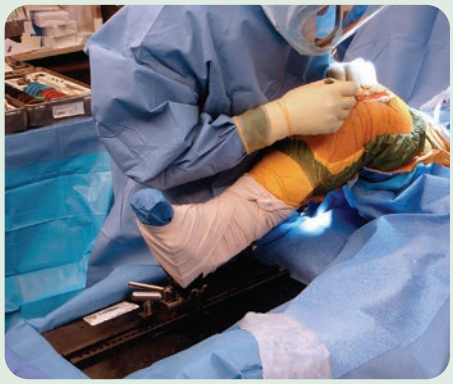
Loosening the Rotation Bar allows the knee to be rotated in either direction. Tightening the bar locks the Yoke System in the desired direction.

Compatible with the Innomed's Stulberg & Robb Leg Positioners

Stulberg Leg Positioner

Provides stable positioning of the knee during surgery

Allows the leg to be manipulated into the desired position and securely locked in place. It has the necessary adjustments to tilt, rotate, and flex or extend the knee. Extension/flexion adjustments can be made with quick release of the ratchet. In use, the base plate is clamped onto the operating table with the vertical side bar. The base plate is then draped and the sterile support plate lowered into the base plate. The patient's foot is wrapped into the foot support with a sterile bandage (additional padding may be used for thin tibias). The complete unit is steam and gas sterilizable. Three (3) Sterile Pads/Wraps are included with each new purchase.



PRODUCT NO'S:
Base Dimensions: 20" x 10.5" (50,8 cm x 26,7 cm)
2620-10 [Leg Positioner w/Aluminum Footpiece]
Optional & Replacement Parts:
2620-FP [Aluminum Footpiece Only]
2629-00 [Case of 10 Sterile Pads/Wraps]

Designed by S. David Stulberg, MD

USA MADE

Knee Positioner Sterile Protective Pad & Wrap

Disposable, latex-free sterile foam pad and cohesive wrap helps protect patient from pressure sores, abrasions and possible neurological impairment while securing foot into the boot

PRODUCT NO'S:
2629-00 [Case of 10 Sets - *1 Pad/Wrap per Set*]
2629-L [1 Set – *1 Pad & 1 Wrap*]

USA MADE

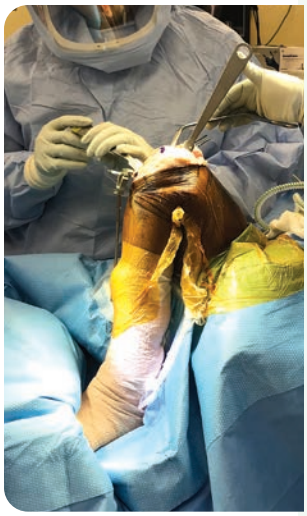
Hyperflex Foot Positioner Assembly

Designed to help secure the foot for positioning of the knee in the hyperflex position

PRODUCT NO'S:
2589-00 [Complete Assembly] *Overall Length: 19" (48,3 cm)*
Individual/Replacement Parts:
2589-01 [Foot Positioner] *Overall Length: 18" (45,7 cm)*
2590-B [Positioner Bar] *Overall Length: 19" (48,3 cm)*
2730-P [Pad & Two Straps]
4150-PS [Post Screw]
Optional Parts:
2590-S [Black Straps] *Pkg of 10*

USA MADE

Designed by Morteza Meftah, MD and Ira Kirschenbaum, MD



Stanton Arthroscopic Leg Holder

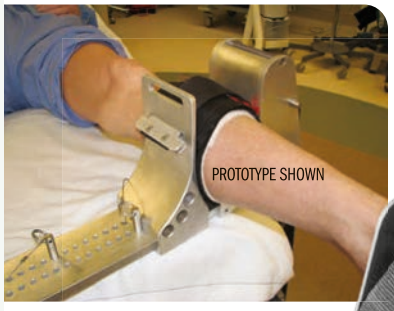
Designed to securely hold legs of various sizes for arthroscopic surgery

- Sliding leg holder can be adjusted for small calves or to accommodate large thighs
- Locking pin prevents sides from spreading apart
- Strap can be placed high or low through the slots in the side plates to accommodate large/small limbs
- Strap is strongly secured with a toothed clamp
- Support rod, when clamped into a standard table clamp, helps to prevent rotation

PRODUCT NO'S:
4045 *Dimensions: 16.5" L x 8.5" H x 3.5" W* *(42 cm L x 21,6 cm H x 8,9 cm W)* *Fits Legs: From 4" to 11" (10 cm to 28 cm)*
Replacement Parts
4045-S [Strap] *Overall Length: 28" (71,2 cm)*

Designed by John Stanton, MD

USA MADE



George Arthroscopic Knee Positioner

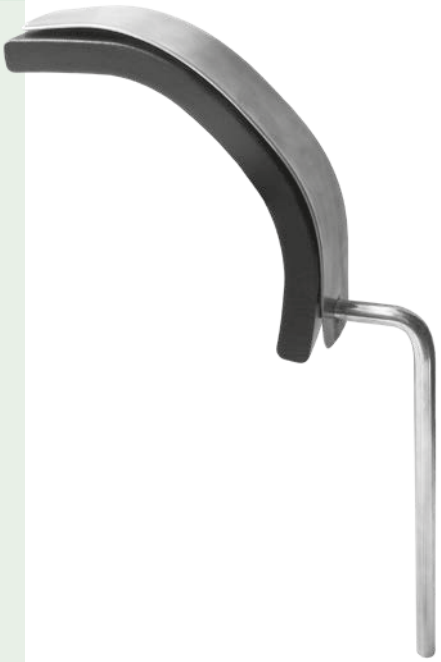
Provides lateral and superior support which allows valgus stress to open the medial compartment

Shape does not squeeze the thigh, making the need for a thigh tourniquet optional. If desired, the unit can easily be rotated out of the way without disrupting the sterile field. Using with a standard operating table clamp, the unit can easily be raised or lowered to accommodate all thigh sizes.

PRODUCT NO'S:
2735 *Overall Height: 22" (55,9 cm)* *Post Height: 12" (30,5 cm)* *Pad Width: 3" (7,6 cm)*
Replacement Parts
2735-P [Pad]

Designed by Michael S. George, MD

USA MADE



INNOMED

Kirschenbaum Foot Positioner

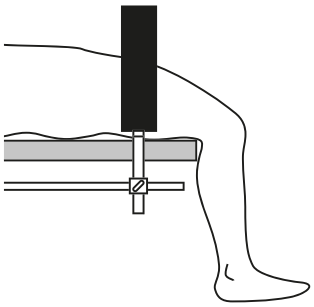
Helps eliminate the use of sand bags under the drape during total knee surgery

The foot rest is dome shaped for optimal foot contact and positioning the leg in flexion, and can be rotated. The unit can be used under the drape by attaching it to a standard table attachment or it can be sterilized for use on top of the drape. It can be attached to the table with the optional sterilizable table clamp. Supplied with a removable, sterilizable silicone foot pad.

PRODUCT NO'S:
2590 [Foot Positioner – Long] *15.5" x 6" (39,4 cm x 15,2 cm)*
2591 [Foot Positioner – Short] *9.5" x 6" (24,1 cm x 15,2 cm)*
Optional & Replacement Parts:
2590-P [Large Replacement Pad] *16" x 9" (40,7 cm x 22,9 cm)*
2591-P [Small Replacement Pad] *9.5" x 9.25" (24,1 cm x 23,5 cm)*
2595 [Optional Table Clamp]

USA MADE

Designed by Ira Kirschenbaum, MD



Leg Stabilizer

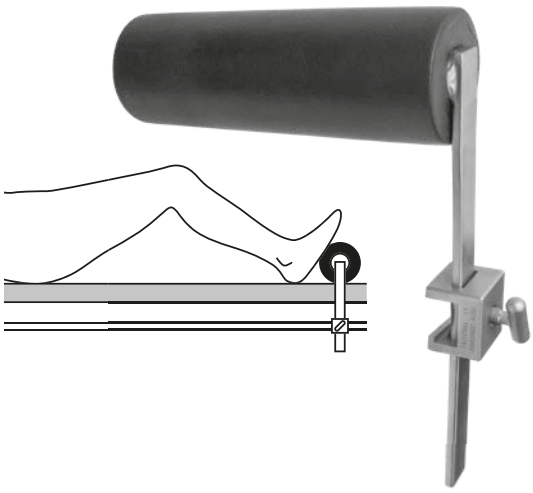
Useful in arthroscopic knee surgery to hold the leg in position

Helps to open up the knee joint when pressure is applied to the lower leg. Sterilizable table clamp included.

PRODUCT NO'S:
8840 *Overall Length: 18.5" (47 cm)* *Handle Length: 9.25" (23,5 cm)* *Pad Diameter: 3" (7,6 cm)*
Replacement Parts:
9120 [Table Clamp]
8840-P [Pad]

Designed by Gregory Fanelli, MD

USA MADE



Modified 90° Leg Stabilizer

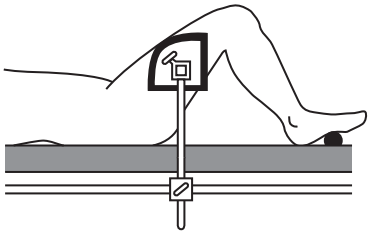
Useful in total knee surgery to hold the leg in position

PRODUCT NO'S:
2725 *Post Height: 11.375" (28,9 cm)* *Pad Length: 9" (22,9 cm)* *Pad Diameter: 3" (7,6 cm)*
Replacement Parts:
9120 [Table Clamp]
8840-P [Pad]

Sterilizable table clamp included.

Designed by Gregory Fanelli, MD

USA MADE



Durham Leg Positioner

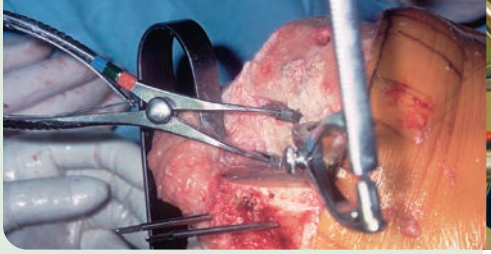
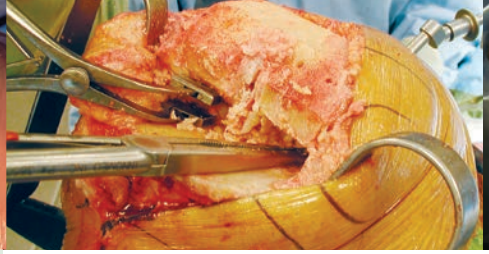
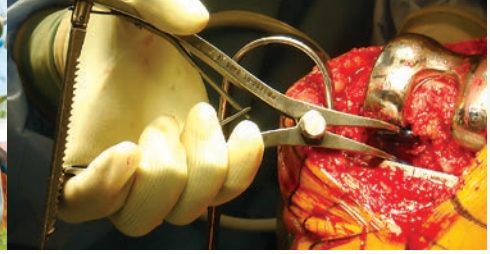
Placed against the thigh, helping to hold the leg upright in knee surgery

Supplied with a sterilizable table clamp. The pad is made of semi-dense foam to help prevent pressure points and is sealed with a washable coating.

PRODUCT NO'S:
4105
Replacement Parts:
9120 [Table Clamp]
4105-P [Pad]

Designed by Al Durham, MD

USA MADE

Calibrated Femoral Tibial Spreaders

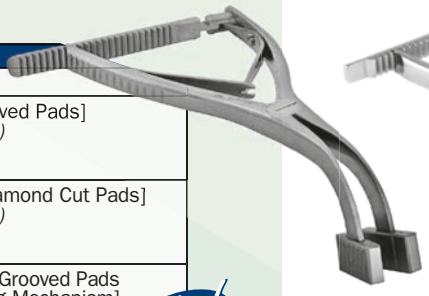
A wide unobstructed view of the posterior compartment is possible. Osteophytes on the posterior condyles of the femur and tibia can be seen and removed.

Designed to remain in position, with the femur and tibia separated, without the need of an assistant, and to minimize crushing the bone, even if osteoporotic

USA MADE

PRODUCT NO'S:
SMALL
1850 [Small w/Grooved Pads] *Overall Length: 7" (17,8 cm)* *Pads: 23 x 12 mm* *Opens to 39 mm*
1850-D [Small w/Diamond Cut Pads] *Overall Length: 7" (17,8 cm)* *Pads: 23 x 12 mm* *Opens to 39 mm*
1850-LR [Small with Grooved Pads and Locking Mechanism] New! *Overall Length: 7" (17,8 cm)* *Pads: 23 x 12 mm* *Opens to 39 mm*
1850-01 [Small w/Coated Pads] *Overall Length: 7" (17,8 cm)* *Pads: 18 x 15 mm* *Opens to 39 mm*
1865 [Small w/Round Pads] *Overall Length: 7" (17,8 cm)* *Pads: 25 x 25 mm* *Opens to 39 mm*
1865-LR [Small with Round Pads & Locking Mechanism] New! *Overall Length: 7" (17,8 cm)* *Pads: 25 x 25 mm* *Opens to 39 mm*

Small - 7"


Small with Grooved Pads


Small with Coated Pads


Small with Round Pads

Locking ratchet mechanism helps prevent accidental release, and provides for controlled adjustment and easy release

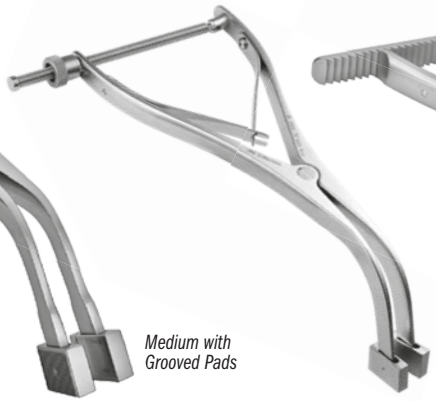

Small with Grooved Pads and Locking Mechanism

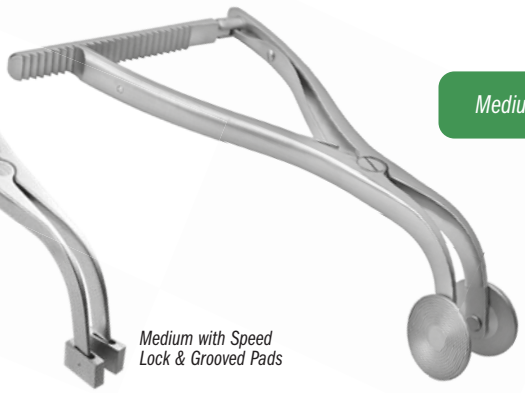

Small with Round Pads and Locking Mechanism

PRODUCT NO'S:
MEDIUM
1855 [Medium w/Grooved Pads] *Overall Length: 10" (25,4 cm)* *Pads: 23 x 14 mm* *Opens to 50 mm*
1855-D [Medium w/Diamond Cut Pads] *Overall Length: 10" (25,4 cm)* *Pads: 23 x 14 mm* *Opens to 50 mm*
1855-SL [Medium w/Speed Lock & Grooved Pads] *Overall Length: 10" (25,4 cm)* *Pads: 23 x 14 mm* *Opens to 50 mm*
1866 [Medium w/Round Pads] *Overall Length: 10" (25,4 cm)* *Pads: 25 x 25 mm* *Opens to 50 mm*

Speed lock modification designed by Nasim A. Rana, MD

Medium - 10"

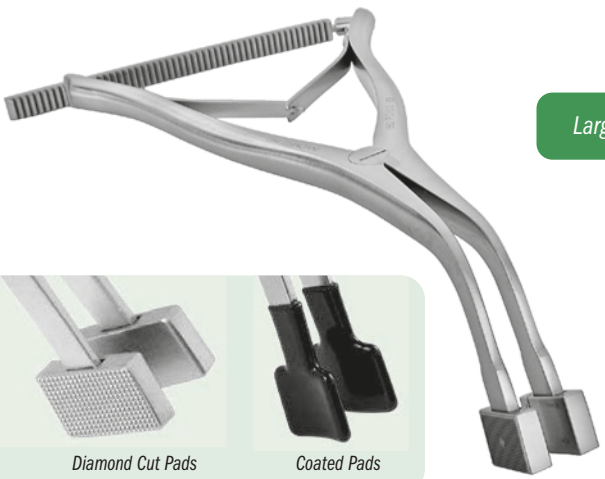

Medium with Grooved Pads


Medium with Speed Lock & Grooved Pads

Medium with Round Pads

PRODUCT NO:
LARGE
1860 [Large w/Grooved Pads] *Overall Length: 12" (30,5 cm)* *Pads: 25 x 16 mm* *Opens to 65 mm*

Large - 12"


Large with Grooved Pads


Grooved Pads

Diamond Cut Pads

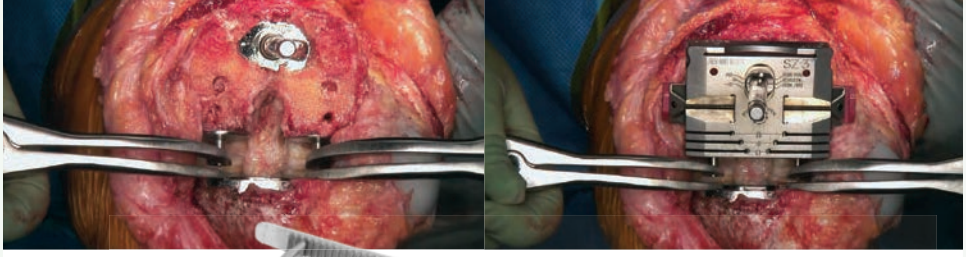
Coated Pads

Locking Ratchet Mechanism Version
Helps prevent accidental release, and provides for controlled adjustment and easy release.

Speed Lock Version
Helps allow precise control and prevent unintended release.

Coated Pad Version
Helps protect component surfaces when implants are in place, and are slightly contoured to add stability against the curved articulating implant surfaces.

INNOMED



Lawrence Revision Knee Gap Balancing Tensioner Set

Designed to help tense the medial and lateral ligaments during total knee surgery, and can help prevent impingement of a 4-in-1 block

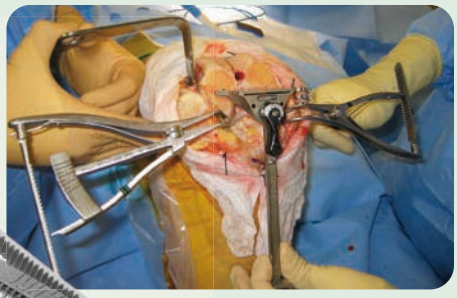
PRODUCT NO'S:
1896-01 [Set – Left & Right]
Also available individually:
1896-01L [Left] *Overall Length: 9.25" (23,5 cm)* *Pad Diameter: 1" (2,5 cm)*
1896-01R [Right] *Overall Length: 9.25" (23,5 cm)* *Pad Diameter: 1" (2,5 cm)*

USA MADE

Designed by Jeffrey M. Lawrence, MD

Scott Femoral Tibial Tensor/Spreader

Used before determining femoral component rotation to help properly tense the medial and lateral ligaments and help assure a stable, balanced flexion gap



An important part of surgical technique during total knee arthroplasty is the establishment of a symmetric balanced flexion gap. This can be achieved by tensing the medial and lateral ligaments with laminar spreaders and rotating the femoral component until a rectangular space is formed. The calibrated Tensor/Spreader allows the surgeon to choose a reproducible amount of tension across the medial or lateral flexion space.

In the varus knee, any medial release necessary to balance the knee in extension is performed first. In the valgus knee, the flexion gap can be balanced before the extension gap if the lateral retinaculum (not the lateral collateral ligament) is all that needs releasing to correct the deformity.

The spreader can be used before or after tibial preparation and also during revision surgery after a well-aligned tibial platform has been established.

PRODUCT NO'S:
1995 [Narrow Fixed Pads] *Overall Length: 7" (17,8 cm)* *Blade Width: 7 mm* *Opens to: 40 mm*
1996* [Wide Fixed Pads] *Overall Length: 7" (17,8 cm)* *Pads: 22 mm x 13 mm* *Opens to: 40 mm*
1997 [Wide Block Pads] *Overall Length: 7" (17,8 cm)* *Pads: 23 mm x 12 mm* *Opens to: 40 mm*
1998 [Round Pads] *Overall Length: 7" (17,8 cm)* *Pads: 25 mm x 25 mm* *Opens to: 40 mm*

Designed by Richard Scott, MD*

*Pad Modification for Wide Fixed Pad Designed by Raymond H. Kim, MD

Surgical technique available on our website.

US Patent #8,162,951 B2

USA MADE

Lombardi Gap Balancing Femoral Tibial Spreader with Easy Release Locking Mechanism

Designed to help separate the femur and tibia during total knee procedures, with the pads being parallel when measured at 20mm of separation

Locking ratchet mechanism helps prevent accidental release, and provides for controlled adjustment and easy release.

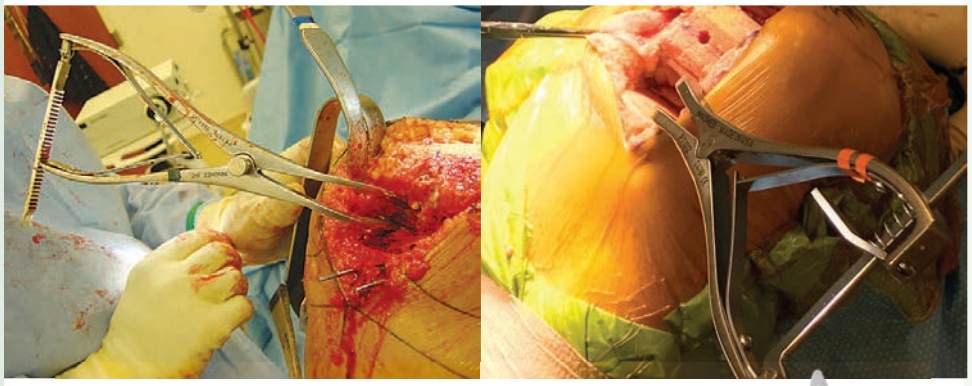
PRODUCT NO'S:
1878-LR [Large] *Overall Length: 9.625" (24,4 cm)* *Pads: 22 mm x 13 mm* *Opens to 45 mm*
1877-LR [Small] *Overall Length: 7" (17,8 cm)* *Pads: 22 mm x 13 mm* *Opens to 35 mm*

Spreader designed by Adolph V. Lombardi Jr., MD.

Locking mechanism designed by Munish C. Gupta, MD

USA MADE

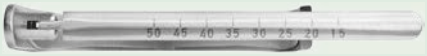
Parallel at 20 mm



Lombardi Gap Balancing Femoral Tibial Spreader

Designed to help separate the femur and tibia during total knee procedures, with the pads being parallel when measured at 20 mm of separation

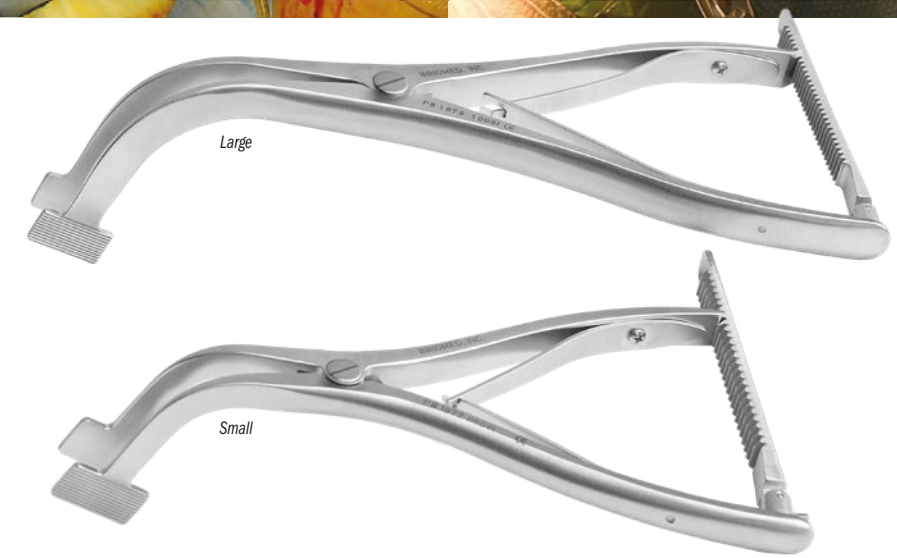
The calibrated handle of the spreader helps to accurately gauge the gap, and makes it possible for two spreaders to be used to assist in balancing ligaments.



PRODUCT NO'S:
Horizontal Grooved Pads
1878 [Large] *Overall Length: 9.25" (23,5 cm)* *Pads: 22 mm x 13 mm* *Opens to 50 mm*
1877 [Small] *Overall Length: 7" (17,8 cm)* *Pads: 22 mm x 13 mm* *Opens to 35 mm*
Diamond Cut Pads
1878-D [Large] *Overall Length: 9.25" (23,5 cm)* *Pads: 22 mm x 13 mm* *Opens to 50 mm*
1877-D [Small] *Overall Length: 7" (17,8 cm)* *Pads: 22 mm x 13 mm* *Opens to 35 mm*

USA MADE

Designed by Adolph V. Lombardi Jr., MD



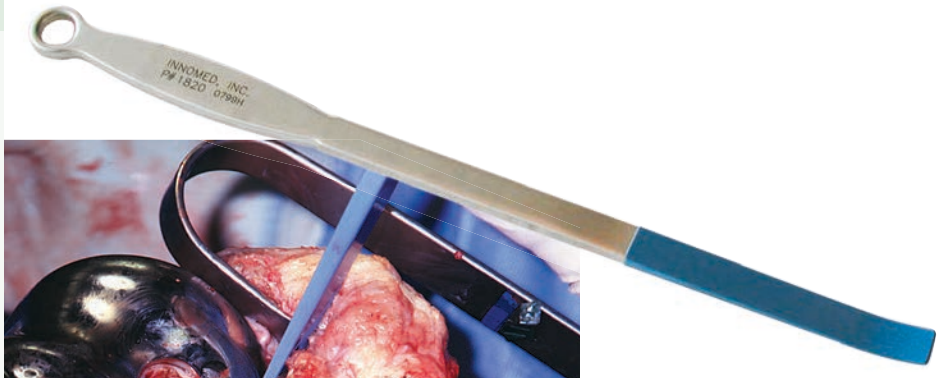
Femoral Tibial Coated Spreader Bar

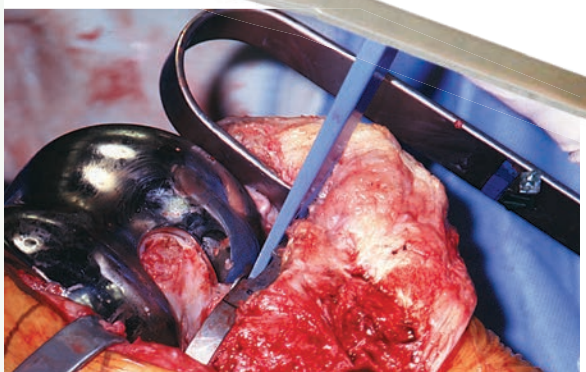
Designed to separate the femur and tibia when implant components are in place

The end is coated to help protect from scratching component surfaces.

PRODUCT NO:
1820 *Overall Length: 13" (33 cm)* *Coated Surface: 4" (10,2 cm)* *Blade Width: 13 mm*

USA MADE





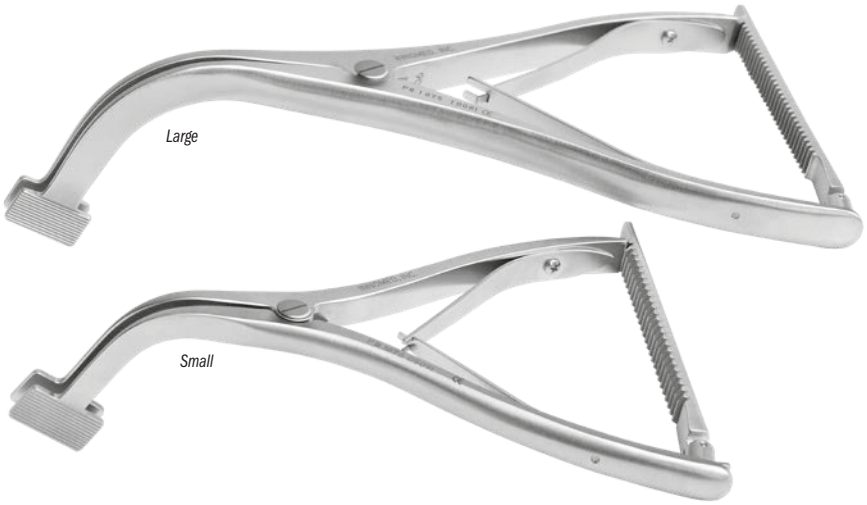
INNOMED

Lombardi Femoral Tibial Spreader with Easy Release Locking Mechanism

Locking ratchet mechanism helps prevent accidental release, and provides for controlled adjustment and easy release

Thin pads help to separate the femur and tibia during total knee procedures

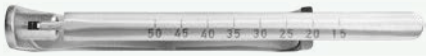
PRODUCT NO'S:
1875-LR [Large] *Overall Length: 9.625" (24,4 cm)* *Pads: 22 mm x 13 mm* *Opens to 45 mm*
1876-LR [Small] *Overall Length: 7" (17,8 cm)* *Pads: 22 mm x 13 mm* *Opens to 35 mm*



Lombardi Femoral Tibial Spreader

Thin pads help to separate the femur and tibia during total knee procedures

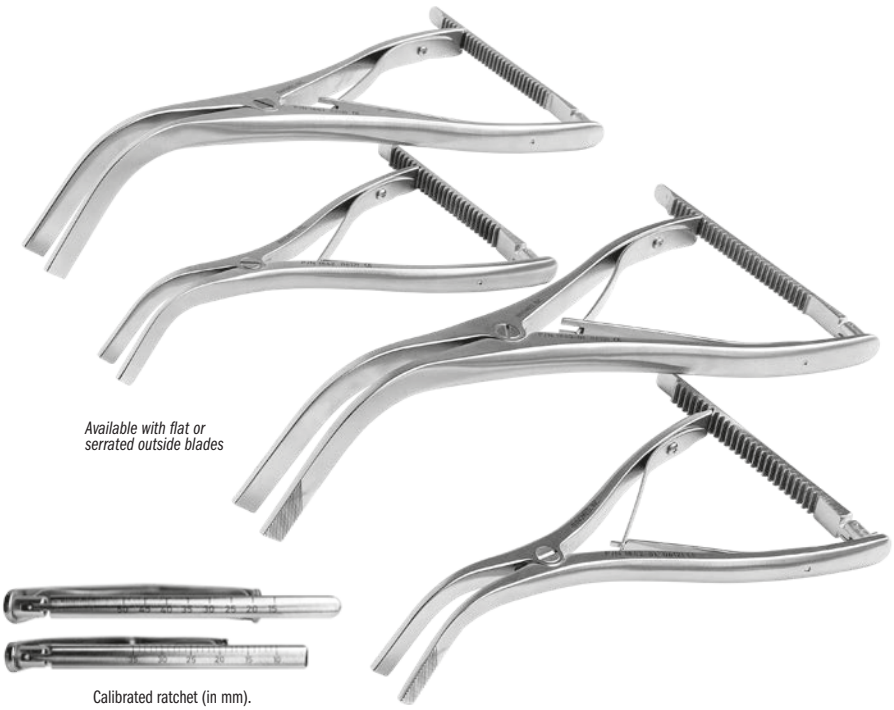
The calibrated handle of the spreader helps to accurately gauge the gap, and makes it possible for two spreaders to be used to assist in balancing ligaments.



PRODUCT NO'S:	
Horizontal Grooved Pads	***Diamond Cut Pads***
1875 [Large] *Overall Length: 9.25" (23,5 cm)* *Pads: 22 mm x 13 mm* *Opens to 50 mm*	1875-D [Large] *Overall Length: 9.25" (23,5 cm)* *Pads: 22 mm x 13 mm* *Opens to 50 mm*
1876 [Small] *Overall Length: 7" (17,8 cm)* *Pads: 22 mm x 13 mm* *Opens to 35 mm*	1876-D [Small] *Overall Length: 7" (17,8 cm)* *Pads: 22 mm x 13 mm* *Opens to 35 mm*

Designed by Adolph V. Lombardi Jr., MD

USA MADE



Calibrated ratchet (in mm).

Ortho Self-Retaining Retractors

Used to separate the femur and tibia during knee replacement procedures, where the calibrated design can help to balance ligaments

- Features a no-teeth design, available with flat or serrated outside blades
- Can also be used for spine surgery where the calibrated ratchet can be used to help accurately measure the size of an opening – useful in procedures to help assess bone graft needs.
- Also useful in foot & ankle surgery

USA MADE

PRODUCT NO'S:	
Flat Outside Pads	***Serrated Outside Pads***
1842 [Small Flat] *Overall Length: 6.5" (16,5 cm)* *Blade Width: 7 mm* *Blade Thickness: 1.68 mm*	1842-01 [Small Serr.] *Overall Length: 6.5" (16,5 cm)* *Blade Width: 7 mm* *Blade Thickness: 1.68 mm*
1843 [Medium Flat] *Overall Length: 9.25" (23,5 cm)* *Blade Width: 10 mm* *Blade Thickness: 1.68 mm*	1843-01 [Medium Serr.] *Overall Length: 9.25" (23,5 cm)* *Blade Width: 10 mm* *Blade Thickness: 1.68 mm*

Trans-sulcus Angle Guide

Helps establish the trans-sulcus line

A line is drawn down the deepest part of the trochlear sulcus (Whiteside line) with a marking pen or cautery. The post on the guide is inserted into the hole in the femur made for an intra-medullary alignment guide. The trans-sulcus angle guide is then rotated until the line on the guide lines up with the Whiteside line. A line is then drawn along the bottom of the guide.

PRODUCT NO:
1160 *Dimensions: 2.25" x .75" (5,7 cm x 1,9 cm)* *Post Depth: 1.5" (3,8 cm)*

Designed by Richard Scott, MD

USA MADE

Line is drawn along bottom of guide

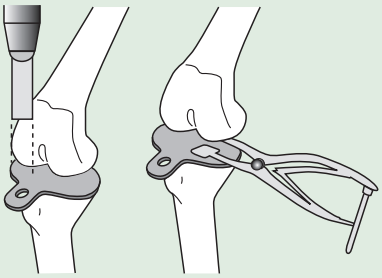
Sorrells Tibia Protector Plates

Designed to protect the surface of the tibia

PRODUCT NO'S:
1130 [Large] *7,5 cm x 4,5 cm*
1135 [Small] *6,5 cm x 4 cm*

USA MADE

Designed by R. Barry Sorrells, MD



Meftah PCL Protector

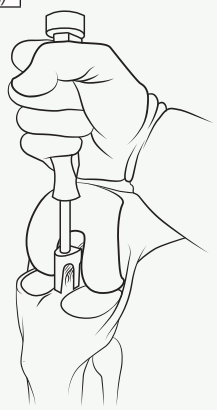
Designed to help protect the posterior cruciate ligament in cruciate retaining total knee surgery during the proximal tibial cut

The PCL Protector can be used efficiently right before the tibial cut. It is curved distally so that it can put over the PCL from the top/posterior side and with a few taps, the fanned blade can get around the PCL and into the bone (not more than 5 mm) and "cover" the PCL. The protector is left in place until the tibial cut is made with a saw, which would hit the protector instead of the PCL if it gets too close.

PRODUCT NO:
3221 *Overall Length: 8" (20,3 cm)*

USA MADE

Designed by Morteza Meftah, MD



INNOMED

Durham Curved Osteotome

Increased angle useful for posterior osteophytes of the femoral condyle and the humeral head, as well as anterior acetabular osteophytes

PRODUCT NO:
4950 *Overall Length: 9" (22,9 cm)* *Handle Length: 5" (12,7 cm)* *Osteotome Width: .625" (1,6 cm)*

USA MADE

Designed by Alfred A. Durham, MD

Wide Offset Osteotome

Designed to remove osteophytes from the posterior femoral condyles during knee arthroplasty

PRODUCT NO:
4920 *Blade Width: 18.5 mm* *Overall Length: 9" (22,9 cm)*

Designed by Paul Lotke, MD & Adam Rosen, DO

USA MADE

Lotke Offset Osteotome

Designed to remove osteophytes from the posterior femoral condyles during knee arthroplasty

PRODUCT NO:
4935 *Blade Width: 13 mm* *Overall Length: 9" (22,9 cm)*

Designed by Paul Lotke, MD

USA MADE

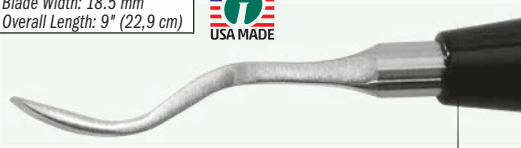
Dennis Offset Osteotome

Designed to remove osteophytes from the posterior femoral condyles during knee arthroplasty

PRODUCT NO:
4935-W *Blade Width: 18.5 mm* *Overall Length: 9" (22,9 cm)*

Designed by Douglas Dennis, MD & Paul Lotke, MD

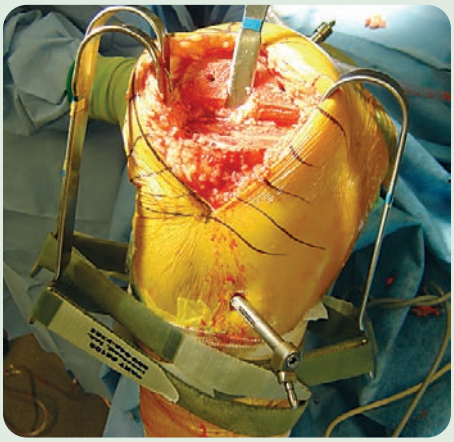
USA MADE



Self-Retaining Knee Retractor System

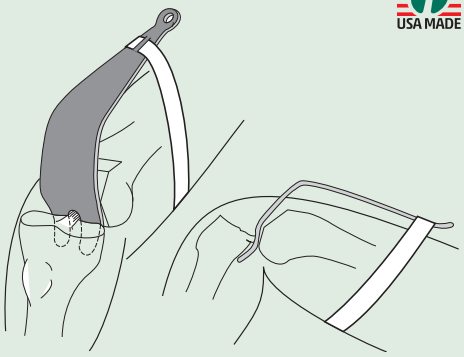
Helps free assisting personnel while providing excellent exposure

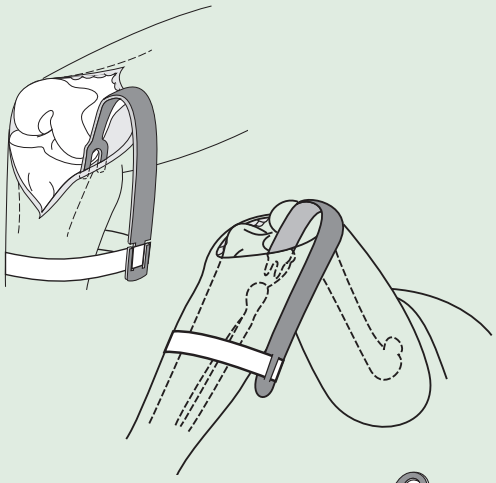
The Knee Retractor System holds retractors utilizing Velcro® straps. This helps eliminate obstruction of the surgeon's operative area and frees assisting personnel. Five retractor styles are available; straps are available in two lengths. Retractors and straps are autoclavable. The Retractors can be used singularly or in combination.

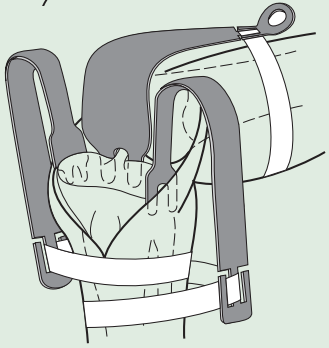


Designed by S. David Stulberg, MD

USA MADE





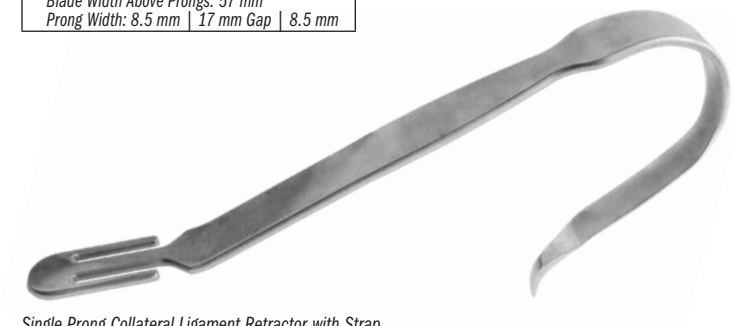


MIS Modified Wide PCL Retractor with Strap

PRODUCT NO:
3515 *Overall Length: 10" (25,4 cm)* *Blade Width Above Prongs: 34 mm* *Prong Width: 8.5 mm | 17 mm Gap | 8.5 mm*

Wide PCL Retractor with Strap

PRODUCT NO:
3525 *Overall Length: 10" (25,4 cm)* *Blade Width Above Prongs: 57 mm* *Prong Width: 8.5 mm | 17 mm Gap | 8.5 mm*

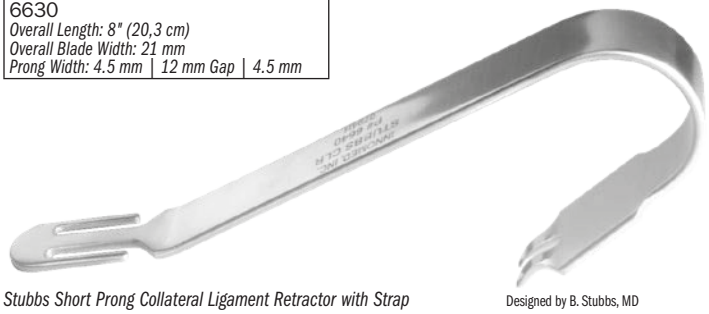


Single Prong Collateral Ligament Retractor with Strap

PRODUCT NO:
6650 *Overall Length: 8.25" (21 cm)* *Blade Width: 14 mm*

Long Prong Collateral Ligament Retractor with Strap

PRODUCT NO:
6630 *Overall Length: 8" (20,3 cm)* *Overall Blade Width: 21 mm* *Prong Width: 4.5 mm | 12 mm Gap | 4.5 mm*



Stubbs Short Prong Collateral Ligament Retractor with Strap

Designed by B. Stubbs, MD

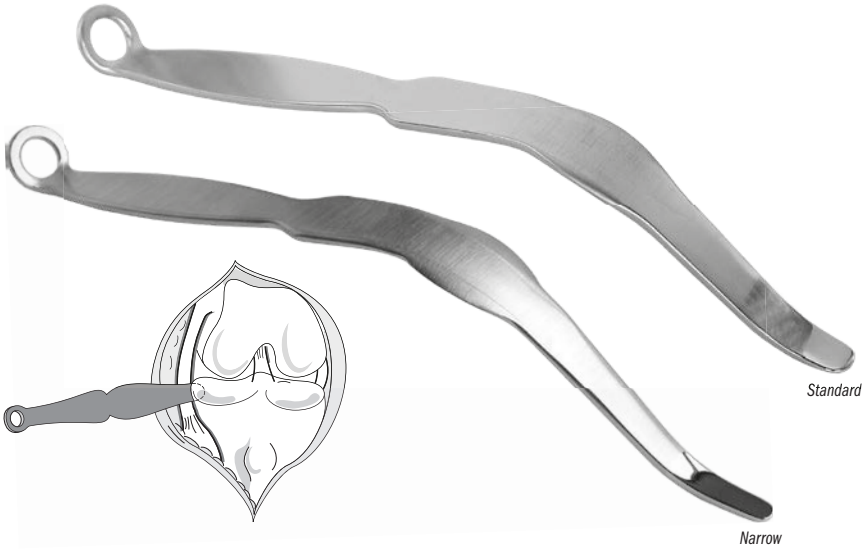
PRODUCT NO:
6640 *Overall Length: 8" (20,3 cm)* *Blade Width Above Prongs: 27 mm* *Prong Width: 4.8 mm | 3.4 mm Gap | 4.8 mm*

Strap

PRODUCT NO'S:
Packages of 10
8100-P [Long Strap–Femur]
8120-P [Short Strap–Tibia]

Velcro® is a registered trademark of Velcro U.S.A.

INNOMED®



Standard

Narrow

Concave Total Knee Retractor

Retracts soft tissue away from the femur and tibia

Used during total knee surgery to retract soft tissue away from the femur and tibia. The blade is designed to curve around the distal femur and tibia plateau.

PRODUCT NO'S:
6720 [Standard] *Overall Length: 9.625" (24,4 cm)* *Blade Width: 15 mm*
6720-01 [Narrow] *Overall Length: 9.625" (24,4 cm)* *Blade Width: 9 mm*

USA MADE

Bolanos Modified Chandler Retractor

Used for retracting tissue away from the bone

PRODUCT NO:
3222 *Overall Length: 7.5" (19,1 cm)* *Blade Width at Widest: 1" (2,54 cm)*

USA MADE

Designed by Alberto Bolanos, MD

3/4"

OrthoLucent™

Chandler Retractors

Used for retracting tissue away from the bone, and helpful for posterior exposure of the tibia in MIS surgery

Allows the surgeon to retract soft tissue away from bone, and can be used for hip and knee surgery. The handle is contoured away from the field of view and working area. Available in three blade sizes: 5/8", 3/4" and 1".

The OrthoLucent™ version is made of a strong, lightweight carbon fiber PEEK composite material, which is completely radiolucent, helps to prevent from marring component surfaces, and can be steam sterilized.

PRODUCT NO'S:
3220-01 [5/8" (15,9 mm)] *Overall Length: 9.125" (23,5 cm)* *Blade Width: 16 mm*
3220-02 [3/4" (19 mm)] *Overall Length: 9.125" (23,5 cm)* *Blade Width: 19 mm*
3220-04 [1" (25,4 mm)] *Overall Length: 9.125" (23,5 cm)* *Blade Width: 25.4 mm*
3220-02R* [OrthoLucent™] *3/4" (19 mm)* *Overall Length: 9.125" (23,5 cm)* *Blade Width: 19 mm*

USA MADE

*MADE EXCLUSIVELY FOR INNOMED IN SWITZERLAND

Modular Weights

Used to help hold retractors in place

PRODUCT NO'S:
3430-01 *1.5 lbs. (.68 kg)*
3430-02 *2.0 lbs. (.91 kg)*
3430-03 *2.5 lbs. (1.13 kg) with attaching hook*

USA MADE

MIS Utility Knee Retractor

Used interchangeably for medial exposure, lateral exposure and to assist in posterior exposure for the tibia

Helps to keep hands out of the field of view while providing retraction in minimally invasive knee surgery.

PRODUCT NO:
3220-03 *Overall Length: 9" (22,9 cm)* *Blade Width: 16 mm*

Designed by William Robb, MD

USA MADE

Rosen Knee Tibial Retractor

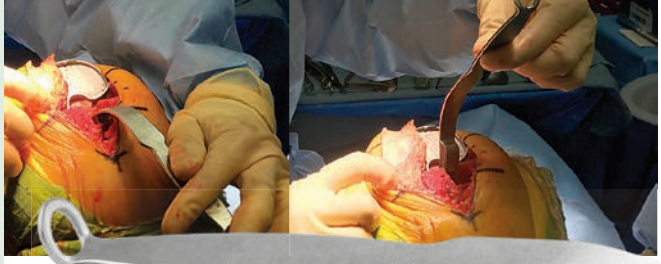
Designed for total knee and revision total knee replacements using posterior stabilized knee components

The posterior build-up on the retractor allows the surgeon to more easily translate the tibia forward for better visualization after femoral notch preparation.

PRODUCT NO:
2830 *Overall Length: 12.5" (31,8 cm)*

USA MADE

Designed modification by Adam Rosen, DO of original design by Christopher M. Meckel, MD



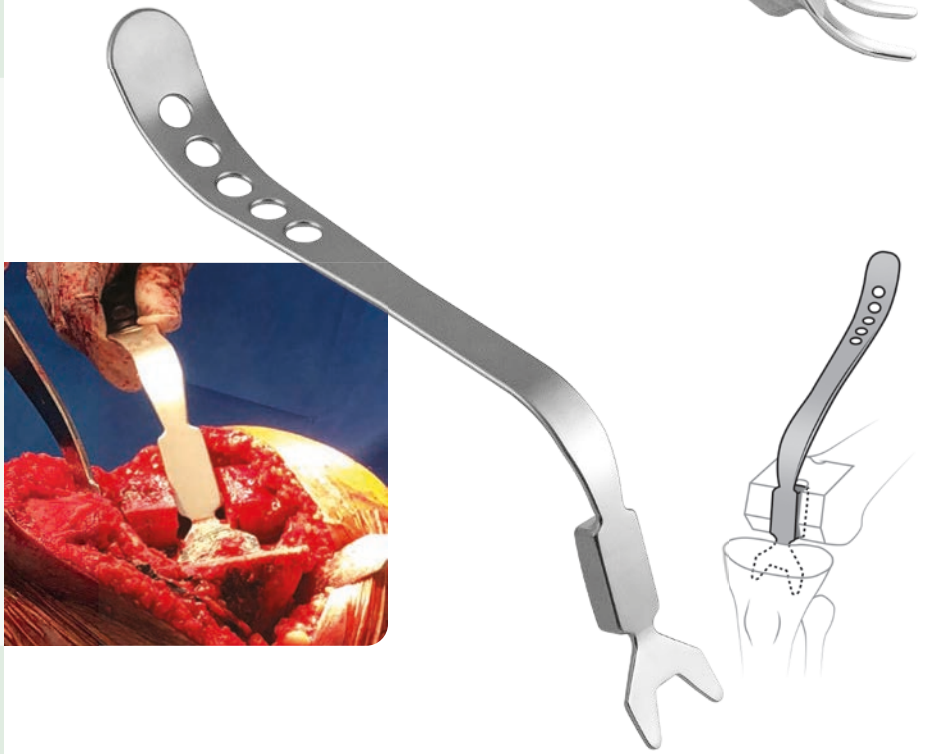
Manzary Proximal Tibial Stabilizing Knee Retractor

Designed to help subluxing the tibia anteriorly in posterior stabilizing total knee replacement, helping to expose the proximal surface for preparation

PRODUCT NO:
4531 *Overall Length: 12.75" (32,4 cm)* *Blade Width: 1.5" (3,8 cm)* *Block Dimensions: .8" x 1.5" x .5" (2 x 3.8 x 1.25 cm)*

USA MADE

Design modification by Mojieb Manzary, MD , FRCS of original design by D. Kevin Lester, MD, and Christopher M. Meckel, MD



Lester Proximal Tibial TKA Retractor

Helps expose the cut surface of the tibia to allow sizing, preparation and cleansing during TKA

Also helps protect the posterior knee soft tissue structures from injury.

PRODUCT NO:
4699 *Overall Length: 12" (30,5 cm)* *Depth from Bend: 5" (12,7 cm)* *Blade Width: 1.5" (38 mm)*

Designed by D. Kevin Lester, MD

USA MADE

Meckel Posterior Stabilizing Knee Retractor

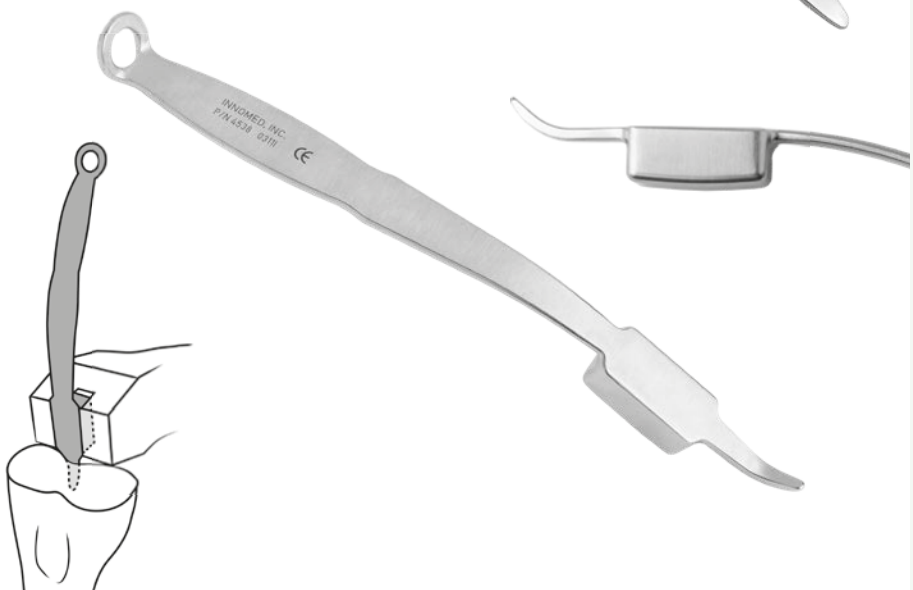
Designed to provide enhanced anterior translation of the tibia when doing posterior stabilized total knee replacement

The 15 mm deep blade section of the retractor is used to lever the tibia forward (by resting the tip on the posterior tibia and the middle blade section block levering off the distal femur) after the box cut has been made in the distal femur.

PRODUCT NO:
4538 *Overall Length: 10" (24,5 cm)* *Blade Width: 20 mm* *Blade Depth: 15 mm*

Designed by Christopher M. Meckel, MD

USA MADE

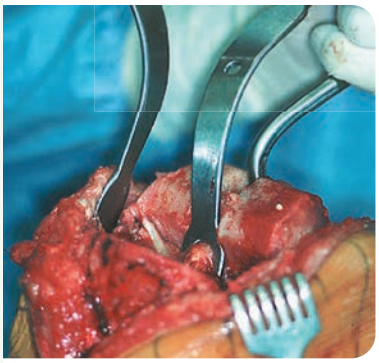


INNOMED

Standard

Coated Standard

OrthoLucent™ Standard



Wide Prong

Wider prongs offer better stability

New!

Mayo Wide Prong with Ergonomic Handle

PCL Retractors

Designed to straddle the cruciate ligament

Designed to straddle the cruciate ligament and lie in the femoral condylar notch, allowing the surgeon to retract the tibia away from the femur for better access. The handle is contoured away from the surgeon's field of view. Modular weights can be used to help hold the retractor in place.

The ***OrthoLucent***™ Standard PCL can be safely used to look behind the knee when the component(s) are in place without metal transfer or marring component surfaces when contact is made. It is made of a strong, lightweight carbon fiber PEEK composite material, which is completely radiolucent, and can be steam sterilized.

The ***Coated*** Standard PCL includes a special protective coating, applied to the areas of the instrument that may come into contact with component surfaces, to help prevent from marring the articulating surfaces.

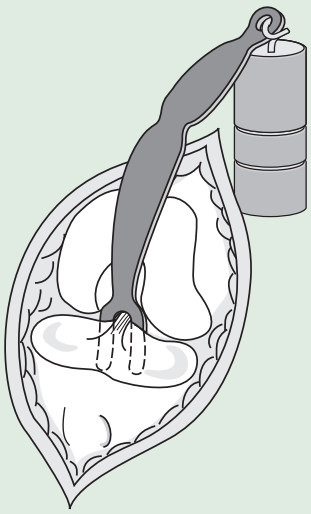
PRODUCT NO'S:
2820 [Standard] *Overall Length: 9.875" (25,1 cm)* *Prong Width: 5 mm | 10 mm Gap | 5 mm*
2820-C [Coated Standard] *Overall Length: 9.875" (25,1 cm)* *Prong Width: 5 mm | 10 mm Gap | 5 mm*
2820-R* [OrthoLucent™ Standard] *Overall Length: 9.875" (25,1 cm)* *Prong Width: 5 mm | 10 mm Gap | 5 mm*
2825 [Wide Prong] *Overall Length: 9.875" (25,1 cm)* *Prong Width: 8,5 mm | 11 mm Gap | 8,5 mm*
2825-01 [Mayo Wide Prong with Ergonomic Handle] *Overall Length: 11" (27,9 cm)* *Prong Width: 8,5 mm | 11 mm Gap | 8,5 mm*

USA MADE

New!

Mayo Wide Prong designed by Joseph Mayo, MD., handle designed by Munish C. Gupta, MD.

* MADE EXCLUSIVELY FOR INNOMED IN SWITZERLAND



MIS PCL Retractor

PRODUCT NO:
6203 *Overall Length: 12.5" (31,8 cm)* *Handle Length: 6" (15,2 cm)* *Blade Width: 15 mm*

USA MADE

Designed by S. David Stulberg, MD

Wide PCL Retractor

Helps expose the proximal tibia for better surface access

Designed to expose the proximal tibia during total knee surgery for better access to the articulating surfaces. The handle is contoured to allow the surgeon a clear field of view of the operating area. Modular weights can be used to help hold the retractor in place.

PRODUCT NO:
3520 [Standard] *Overall Length: 10" (25,4 cm)* *Blade Width Above Prongs: 57 mm* *Prong Width: 8.5 mm | 17 mm Gap | 8.5 mm*
3525 [With Velcro Strap Slots] *Overall Length: 10" (25,4 cm)* *Blade Width Above Prongs: 57 mm* *Prong Width: 8.5 mm | 17 mm Gap | 8.5 mm*

USA MADE

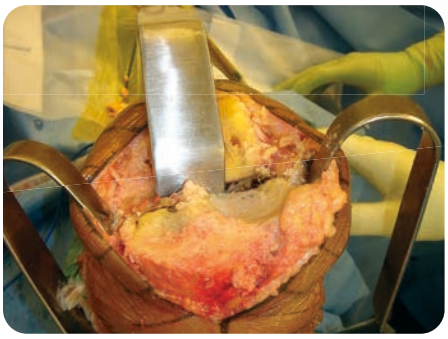
Designed by S. David Stulberg, MD

MIS Modified Wide PCL Retractor

PRODUCT NO'S:
3510 [Standard] *Overall Length: 10" (25,4 cm)* *Blade Width Above Prongs: 34 mm* *Prong Width: 8.5 mm | 17 mm Gap | 8.5 mm*
3515 [With Velcro Strap Slots] *Overall Length: 10" (25,4 cm)* *Blade Width Above Prongs: 34 mm* *Prong Width: 8.5 mm | 17 mm Gap | 8.5 mm*

USA MADE

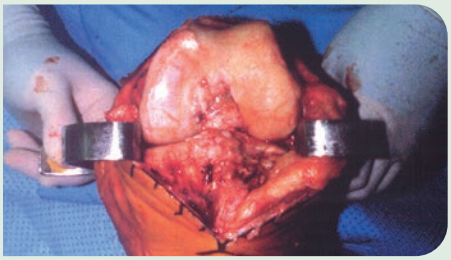
Designed by S. David Stulberg, MD



"S" Total Knee Retractors

Helps protect the collateral ligaments and popliteal structures while providing excellent visualization within the knee joint

The design is self-retaining and can be used singularly and in pairs. For cruciate sparing or sacrificing prosthetic designs.



PRODUCT NO'S:
3720-00 [Wide Blade] *Overall Length: 6" (15,2 cm)* *Blade Width: 20 mm*
3720-01 [Narrow Blade] *Overall Length: 6" (15,2 cm)* *Blade Width: 10 mm*

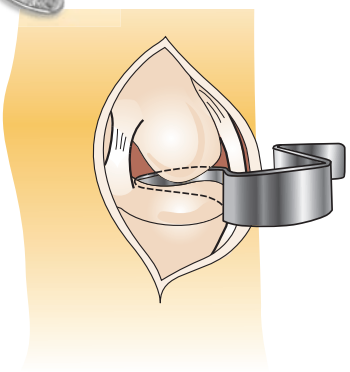
Designed by R. Barry Sorrells, MD

USA MADE

Wide Blade

Narrow Blade

Excellent for minimally invasive knee procedures



INNOMED

Posterior Condylar Osteophyte Retractor

Designed to provide exposure of the posterior condyle to gain access to posterior condylar osteophytes during unicompartmental and total knee arthroplasty

PRODUCT NO:
3730 *Overall Length: 11.75" (29,8 cm)* *Depth From 90° Bend: 3" (7,6 cm)* *Length from 45° Bend: 1" (2,54 cm)* *Blade Width: 1" (25,4 mm)*

Designed by Andrew Glassman, MD

USA MADE

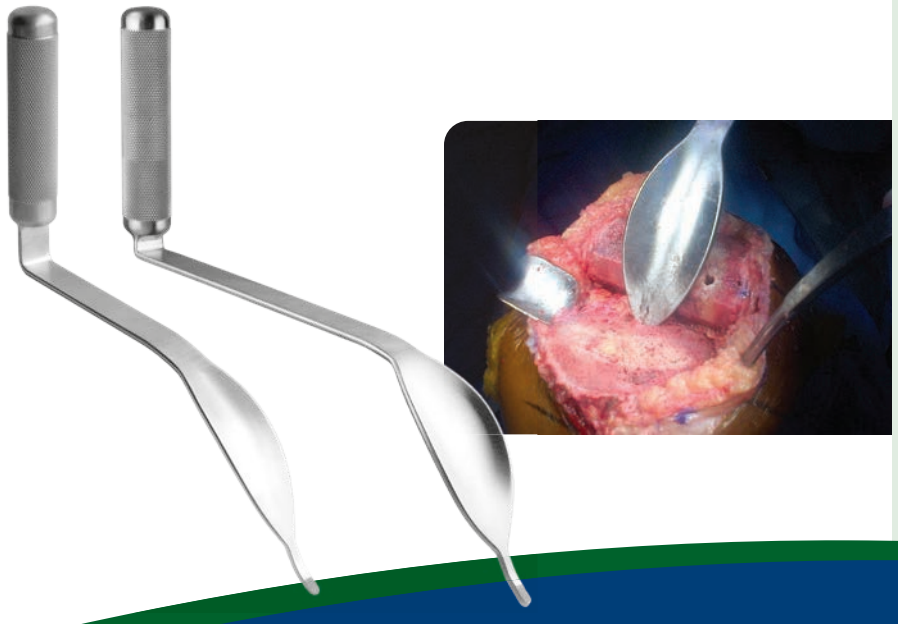
Booth Knee Retractor

Designed to help protect the tibial surface and to tighten the collateral ligaments and to help assess the rotation of the femur

PRODUCT NO:
6580 *Overall Length: 11.75" (29,8 cm)* *Handle Length: 10.5" (26,7 cm)* *Blade Depth: 2.75" (7 cm)* *Blade Width: 2" (5,1 cm)*

Designed by Robert E. Booth, Jr., MD

USA MADE



Harwin Modified Cobra Retractor

Designed for use during total hip and knee surgery

In total knee surgery, the wide blade of the large retractor spans the prepared box and helps bring the tibia forward. The small retractor helps with retraction of the medial and lateral structures, where the wide, concave blade provides added exposure over standard bent Hohmann retractors. The serrated tip helps improve stability.

PRODUCT NO'S:	
6143 [Large] *Overall Length: 14.75" (37,5 cm)* *Blade Width: 43.2 mm* *Tongue: 25 mm x 5 mm*	6143-01 [Small] *Overall Length: 12.5" (31,8 cm)* *Blade Width: 30 mm* *Tongue: 25 mm x 5 mm*

Designed by Steven F. Harwin, MD, FACS

USA MADE

Bargo Femoral Lift

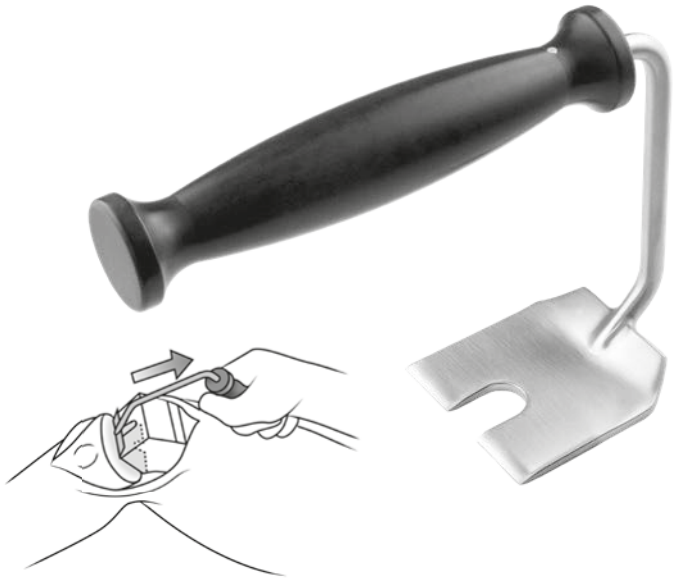
Designed to distract the distal femur up and away from the proximal tibia during TKR to help expose the popliteal fossa and access the soft tissues for meniscal excision

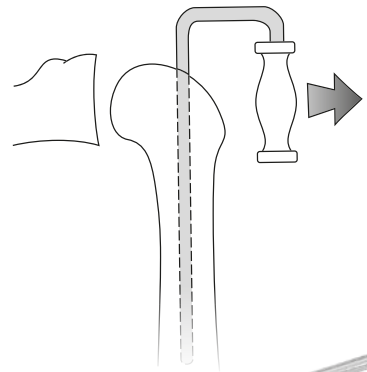
Particularly useful when using a 3D printed cutting block, where drilled access to the intramedullary canal (to help lift the femur) is unavailable.

PRODUCT NO:
3649 *Overall Length: 6.75" (17,1 cm)* *Handle Offset: 3.5" (8,9 cm)* *Handle Length: 5" (12,7 cm)* *Lift Pad: 2" x 1.675" (51 mm x 41 mm)*

Designed by Lonnie Bargo, CSFA

USA MADE





Distal Femur Distractor

Helps distract the distal femur away from the proximal tibia

Inserted into a predrilled hole in the distal femur. The bent handle allows the femur to be distracted away from the tibia. The intramedullary rod portion is fluted.

PRODUCT NO'S:
4220-00 [Standard Handle] *Overall Length: 12.75" (32,4 cm)* *Rod Offset from Handle: 4.5" (11,4 cm)*
4220-01 [Upward Bent Handle] *Overall Length: 17.5" (49,6 cm)* *Rod Length from Bend: 12.75" (32,4 cm)* *Rod Offset from Handle: 4.5" (11,4 cm)*

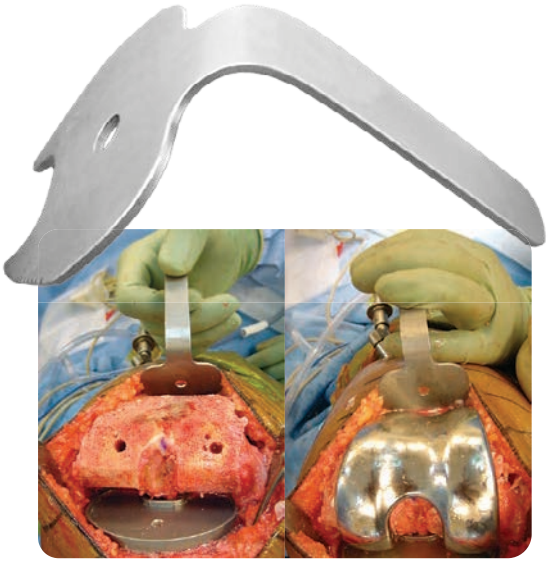
USA MADE

Anterior Femoral Condylar Retractor

PRODUCT NO:
3405 *Overall Length: 5" (12,7 cm)* *Blade Width at Widest: 45 mm*

Designed by S. David Stulberg, MD

USA MADE



INNOMED

Narrow Right Angle Retractor

Designed for soft tissue retraction

PRODUCT NO:
C1011 *Overall Length: 8.5" (21,6 cm)* *Handle Length: 6.75" (17,1 cm)* *Blade Depth: 4.5" (11,4 cm)* *Blade Width: .375" (1 cm)*

USA MADE

Chandran Tibial Knee Retractor

Designed for use in TKR, the hook on the front of the blade acts as a stop to help prevent the retractor from deep penetration behind the tibia

PRODUCT NO:
4533 *Overall Length: 10.5" (26,7 cm)* *Depth from Bend: 3" (7,6 cm)*

Designed by Rama E. Chandran, MD

USA MADE

Large

Medium

Medium Straight

Small

45° Knee Retractors

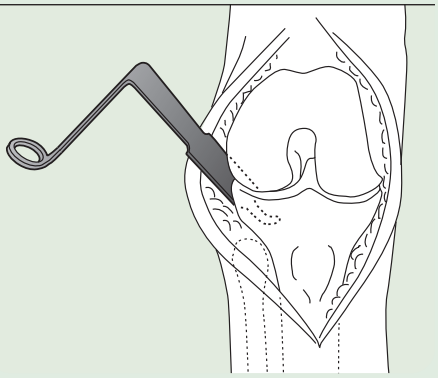
Designed for use around the knee

PRODUCT NO'S:
6290-00-075 [Large] *Overall Length: 9.125" (23,2 cm)*
6290-00-076 [Small] *Overall Length: 7.875" (20 cm)*
6290-00-077 [Medium] *Overall Length: 9.125" (23,2 cm)*
6290-00-078 [Medium Straight] *Overall Length: 9.125" (23,2 cm)*

USA MADE

Bent Hohmann Retractors–Narrow

Helps retract tissues at the margins of the joint



Useful for retracting tissues at the margins of the joint. Can be passed over the margins of the joint and held in place with weights or by hand.

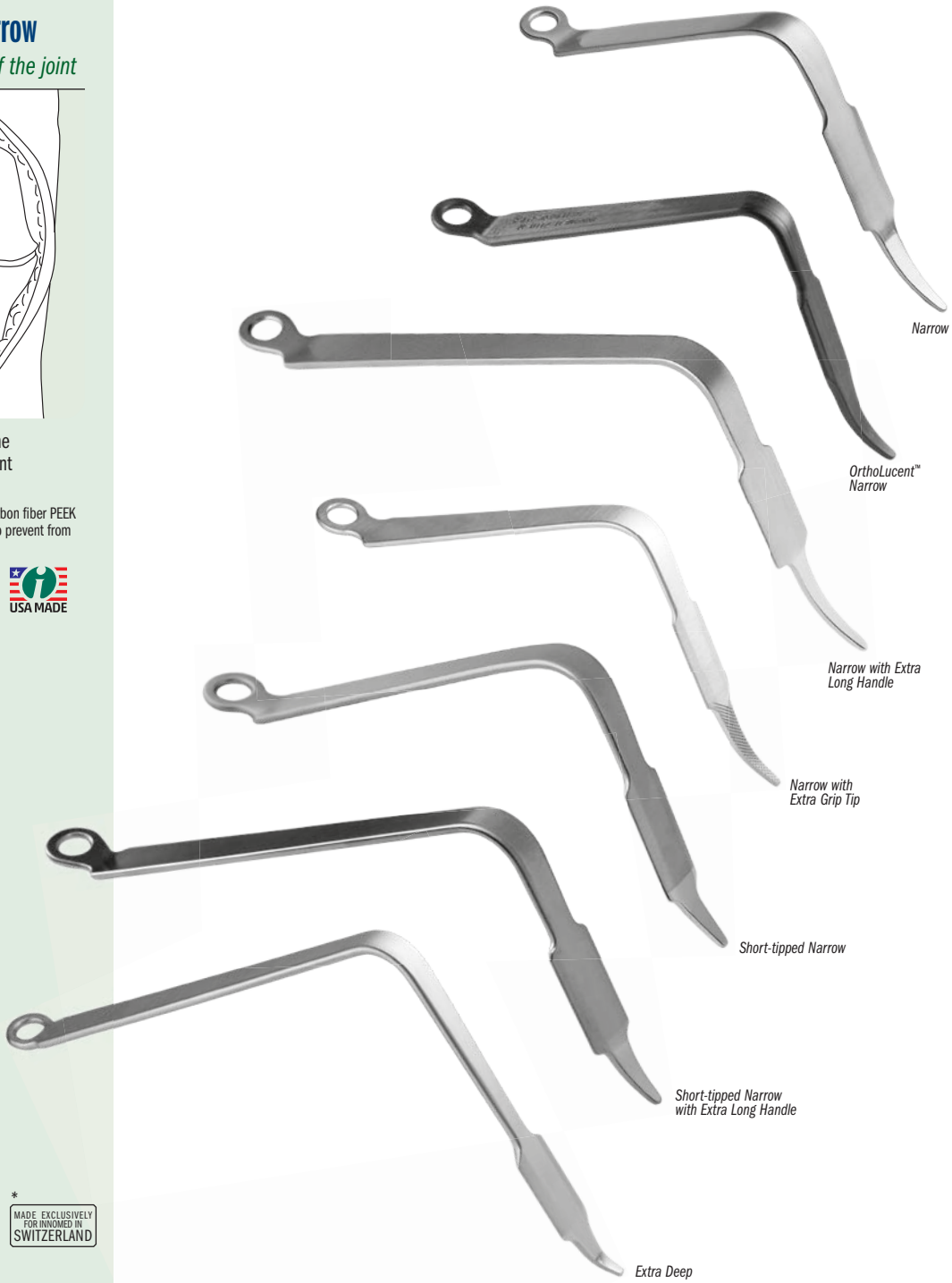
The OrthoLucent™ version is made of a strong, lightweight carbon fiber PEEK composite material, which is completely radiolucent, helps to prevent from marring component surfaces, and can be steam sterilized.

PRODUCT NO'S:
7110 *Overall Length: 9.75" (23,8 cm)* *Handle Length: 7" (17,8 cm)* *Blade Width: 19 mm* *Depth from Bend: 4.75" (12,1 cm)*
7110-R* [OrthoLucent™ Narrow] *Overall Length: 9.75" (23,8 cm)* *Handle Length: 7" (17,8 cm)* *Blade Width: 19 mm* *Depth from Bend: 4.75" (12,1 cm)*
7110-01 [Extra Long Handle] *Overall Length: 11.5" (29,2 cm)* *Handle Length: 10" (25,4 cm)* *Blade Width: 19 mm* *Depth from Bend: 4.75" (12,1 cm)*
7111 [With Extra Grip Tip] *Overall Length: 9.75" (23,8 cm)* *Handle Length: 7" (17,8 cm)* *Blade Width: 19 mm* *Depth from Bend: 4.25" (10,8 cm)*
7115 [Short-tipped Narrow] *Overall Length: 8.625" (21,9 cm)* *Handle Length: 7" (17,8 cm)* *Blade Width: 19 mm* *Depth from Bend: 4.4" (11,2 cm)*
7115-01 [Short-tipped Extra Long Handle] *Overall Length: 11" (27,9 cm)* *Handle Length: 10" (25,4 cm)* *Blade Width: 19 mm* *Depth from Bend: 4.25" (10,8 cm)*
7115-03 [Extra Deep] *Overall Length: 12.125" (31,1 cm)* *Handle Length: 9.75" (24,8 cm)* *Depth from Bend: 6.25" (15,9 cm)* *Blade Width: 19 mm*

USA MADE

* MADE EXCLUSIVELY FOR INNOMED IN SWITZERLAND

Short-tipped designed by Carl DiRaimondo, MD
Extra Grip Tip design modification by Alfred A. Durham, MD



Narrow

OrthoLucent™ Narrow

Narrow with Extra Long Handle

Narrow with Extra Grip Tip

Short-tipped Narrow

Short-tipped Narrow with Extra Long Handle

Extra Deep

Bent Hohmann Retractors–Wide

Helps retract tissues at the margins of the joint

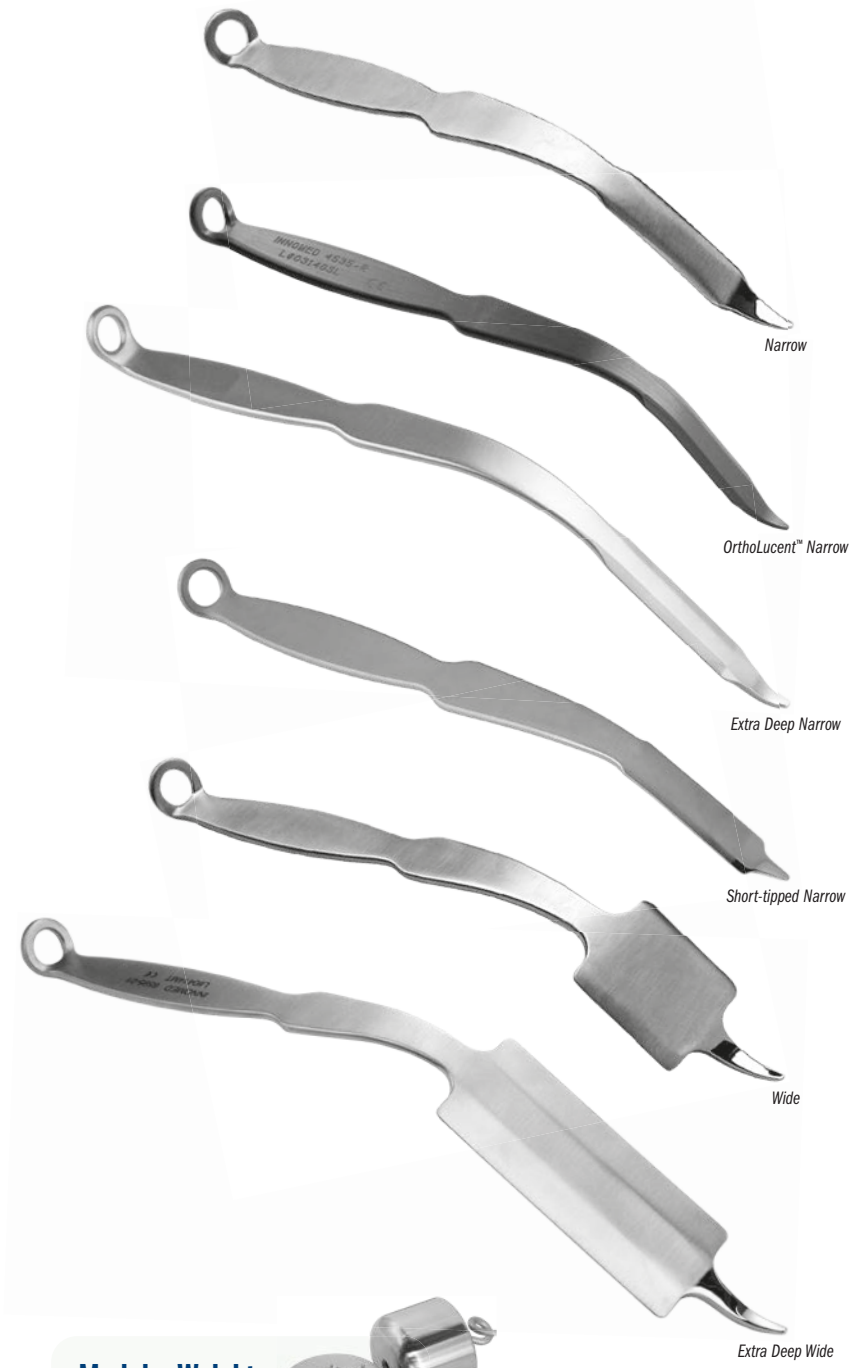
PRODUCT NO'S:
6590 *Overall Length: 9.375" (23,8 cm)* *Handle Length: 7" (17,8 cm)* *Blade Width: 41 mm* *Depth from Bend: 4.75" (12,1 cm)*
6590-01 [Extra Long Handle] *Overall Length: 11" (27,9 cm)* *Handle Length: 9" (22,9 cm)* *Blade Width: 41 mm* *Depth from Bend: 5.5" (14 cm)*

USA MADE

Wide

Wide with Extra Long Handle

INNOMED



Narrow

OrthoLucent™ Narrow

Extra Deep Narrow

Short-tipped Narrow

Wide

Extra Deep Wide

Modified Hohmann Retractors

Handle is contoured to allow better leverage and visualization

Useful for retracting tissues around the bone.
Can be held in place with weights or by hand.

The OrthoLucent™ version is made of a strong, lightweight carbon fiber PEEK composite material, which is completely radiolucent, helps to prevent from marring component surfaces, and can be steam sterilized.

PRODUCT NO'S:
4535 [Narrow] *Overall Length: 10" (25,4 cm)* *Blade Width: 14 mm*
4535-R* [OrthoLucent™ Narrow] *Overall Length: 10" (25,4 cm)* *Blade Width: 18 mm*
4535-01 [Extra Deep Narrow] *Overall Length: 11.625" (29,5 cm)* *Blade Width: 16.4 mm*
4545 [Short-tipped Narrow] Designed by Carl DiRaimondo, MD *Overall Length: 9.5" (24,1 cm)* *Blade Width: 14 mm*
6595 [Wide] *Overall Length: 10" (25,4 cm)* *Blade Width: 42.5 mm*
6595-01 [Extra Deep Wide] *Overall Length: 11.5" (29,2 cm)* *Blade Width: 42.5 mm*

USA MADE

* MADE EXCLUSIVELY FOR INNOMED IN SWITZERLAND

Modular Weights

Used to help hold retractors in place

PRODUCT NO'S:	
3430-01	*1.5 lbs. (.68 kg)*
3430-02	*2.0 lbs. (.91 kg)*
3430-03	*2.5 lbs. (1.13 kg) with attaching hook*

USA MADE

Wetzel Modified Hohmann Retractor

The long point is designed to be placed around, on, or through a bony structure and then levered back to retract tissue

The handle is contoured to allow better leverage and visualization. Can be held in place with weights or by hand.

PRODUCT NO:
4539 *Overall Length: 10" (25,4 cm)* *Blade Width: .85" (21,5 mm)*

USA MADE

Designed by Robert Wetzel, MD and Todd McKinley, MD

Roose Utility Knee Retractor

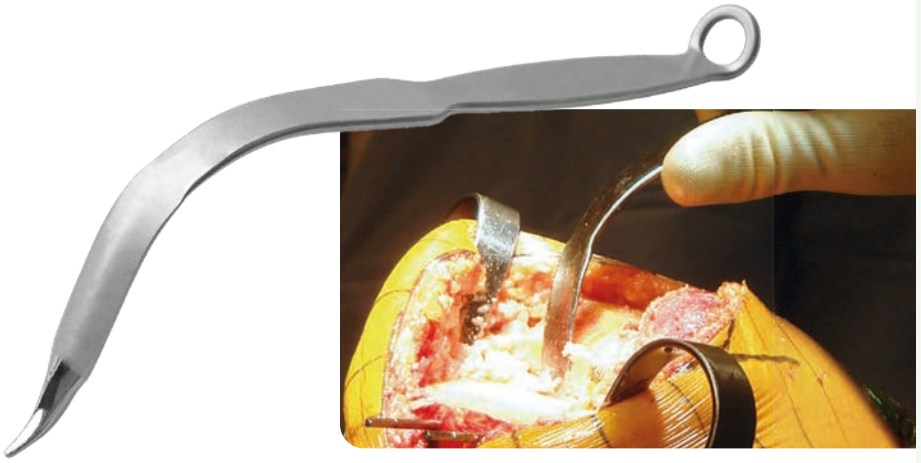
Used for retraction of the soft tissues laterally or medially and for anterior translation of the tibia during tibial prosthetic insertion

The curvature and width are designed for retraction of soft tissues and excellent visualization of bone structure.

PRODUCT NO:
4532 *Overall Length: 9" (22,9 cm)* *Blade Width (above tip): 14 mm*

Designed by Paul Roose, DO

USA MADE



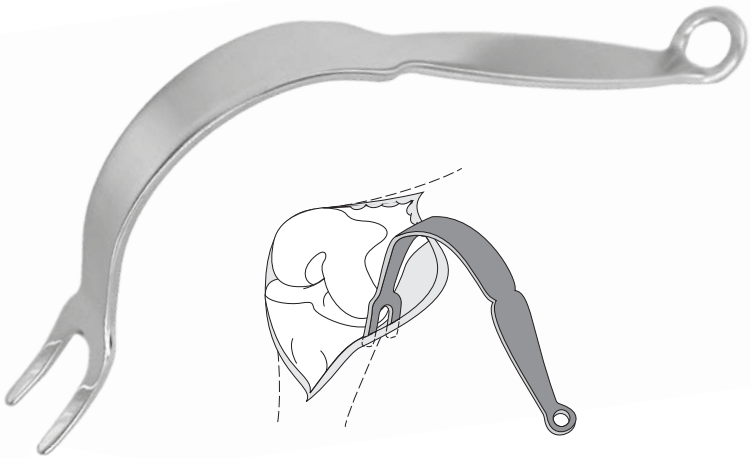
Collateral Ligament Retractor

Helps protect the lateral collateral ligament while exposing the proximal tibia

Used during total knee surgery and is inserted between the lateral collateral ligament and bone to protect the ligament and expose the proximal tibia. The dual prongs keep the retractor from rocking and assist in the insertion. The retractor is bent so that it is out of the way of the operating surgeon.

PRODUCT NO:
6620 *Overall Length: 8" (20,3 cm)* *Prong Width: 5 mm | 11 mm Gap | 5 mm*

USA MADE

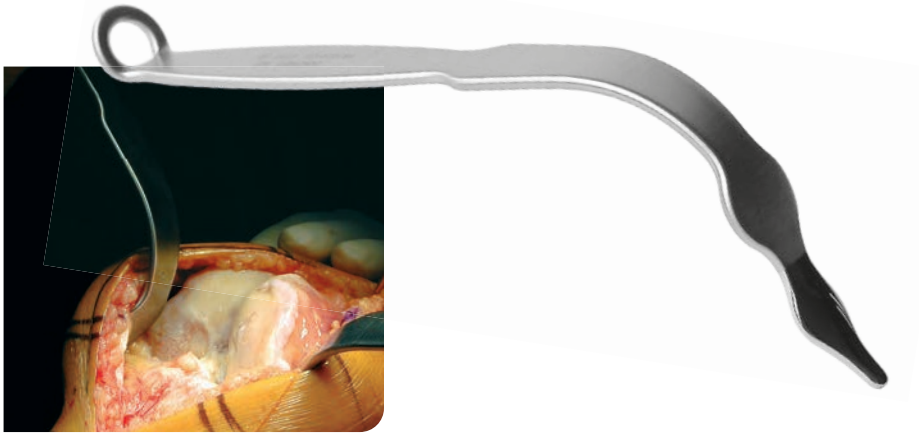


MIS Patella Retractor

PRODUCT NO:
3220-05 *Overall Length: 9" (22,9 cm)* *Patella Pad Width at Widest: 22 mm* *Lower Blade Width at Widest: 16 mm*

USA MADE

Designed by William Robb, MD



AORI Patellar Retractor

Designed to enhance total knee exposure

Has a deep basket and two rows of teeth to grab and hold to the lateral side of the patella. The curved handle provides a fulcrum so that the applied force will both displace and evert the patella from the femur. Retractor is placed after a routine midline, midvastus, or medial para patellar surgical approach to the knee. Once the patella is everted the retractor is applied to the lateral border of the patella.

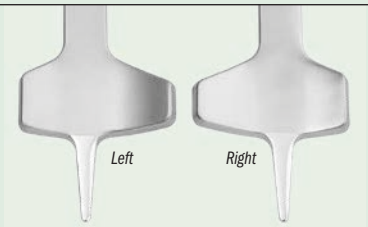
PRODUCT NO:
4690 *Overall Length: 7" (17,8 cm)* *Prong Width: 10 mm | 22 mm Gap | 10 mm*

Designed by Gerard A. Engh, MD

USA MADE

Modified TKA Retractor Set

Designed for soft tissue retraction, the reduced phalange allows for ease of placement in the lateral gutter, and helps avoid contact with the lateral condyle



PRODUCT NO'S:
3219-00 [Set]
Also available individually:
3219-L [Left] *Overall Length: 10" (25,4 cm)* *Prong Length: 20 mm*
3219-R [Right] *Overall Length: 10" (25,4 cm)* *Prong Length: 20 mm*

Designed by Robert Wubben, MD, with modification by David Ott, MD

USA MADE

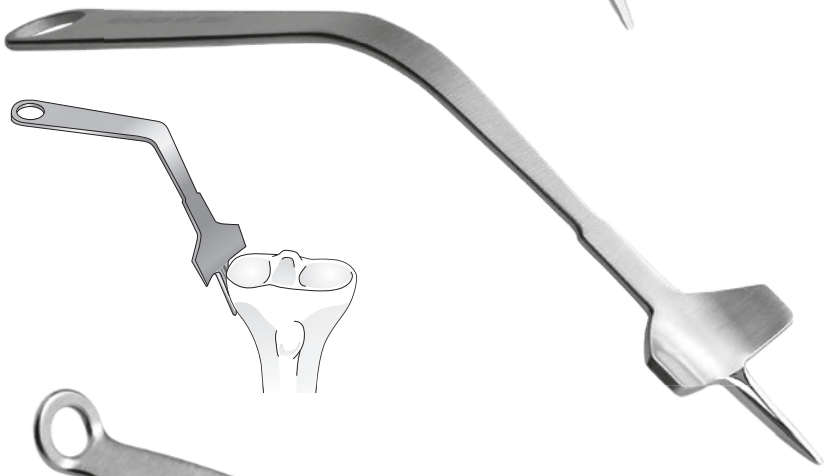
Wubben Lateral Fat Pad Retractor for TKR

Designed to hold soft tissues when inserting the TKR

PRODUCT NO:
3218 *Overall Length: 10" (25,4 cm)* *Blade Width: 41 mm*

Designed by Robert Wubben, MD

USA MADE



Baldwin Lateral Soft Tissue Retractors

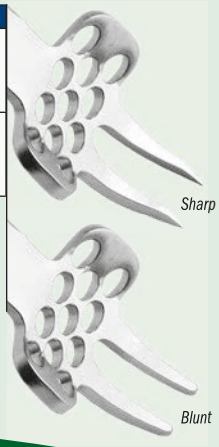
Designed to hold back the fat pad and soft tissues during total knee arthroplasty

The fenestrated paddle helps holds back the fad pad and soft tissues, while the two sharp-tipped prongs help penetrate the soft tissue, but have flat surfaces that rest against the side of the tibia and help prevent rotation of the instrument.

PRODUCT NO'S:
6312 [Sharp Prongs] *Overall Length: 9.875" (25,1 cm)* *Pad Dimensions: 38 mm x 15 mm* *Prong Depth: 22 mm*
6313 [Blunt Prongs] *Overall Length: 9.75" (24,8 cm)* *Pad Dimensions: 38 mm x 15 mm* *Prong Depth: 20 mm*

Designed by James L. Baldwin, MD

USA MADE



Blount Knee Retractor

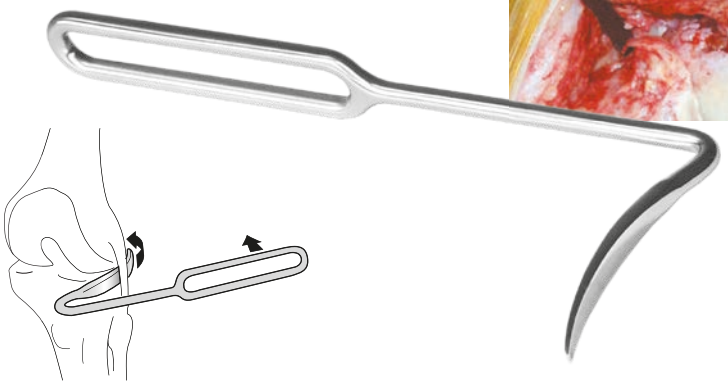
Helps create better access to the articulating surfaces

Designed for retraction in total knee arthroplasty, the long narrow blade easily fits above the capsular ligament at the joint line. Can also be used for knee revision, fitting easily around the implant.

PRODUCT NO:
4850 *Overall Length: 8.5" (21,6 cm)* *Prong Width: 9 mm*

Designed by James B. Stiehl, MD

USA MADE



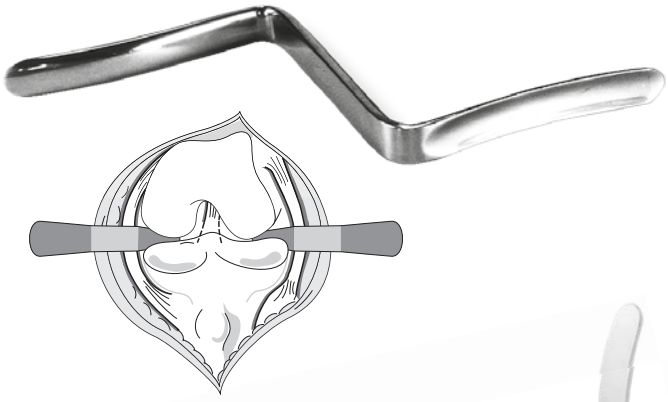
"Z" Knee Retractor

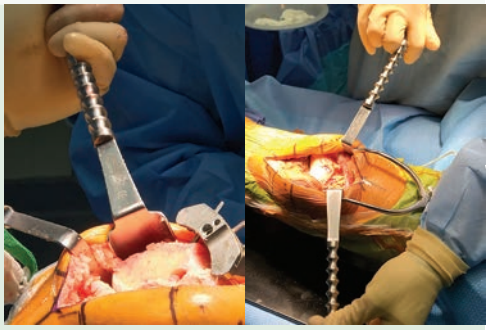
Helps create better access to the articulating surfaces

Designed to expose the femur and the tibia during knee surgery for better access to the articulating surfaces. The "Z" contouring of the retractor provides the surgeon with an open field of view and working area.

PRODUCT NO:
4420-00 *Overall Length: 7.25" (18,4 cm)* *Blades: 11 mm Wide, 3" Deep*

USA MADE





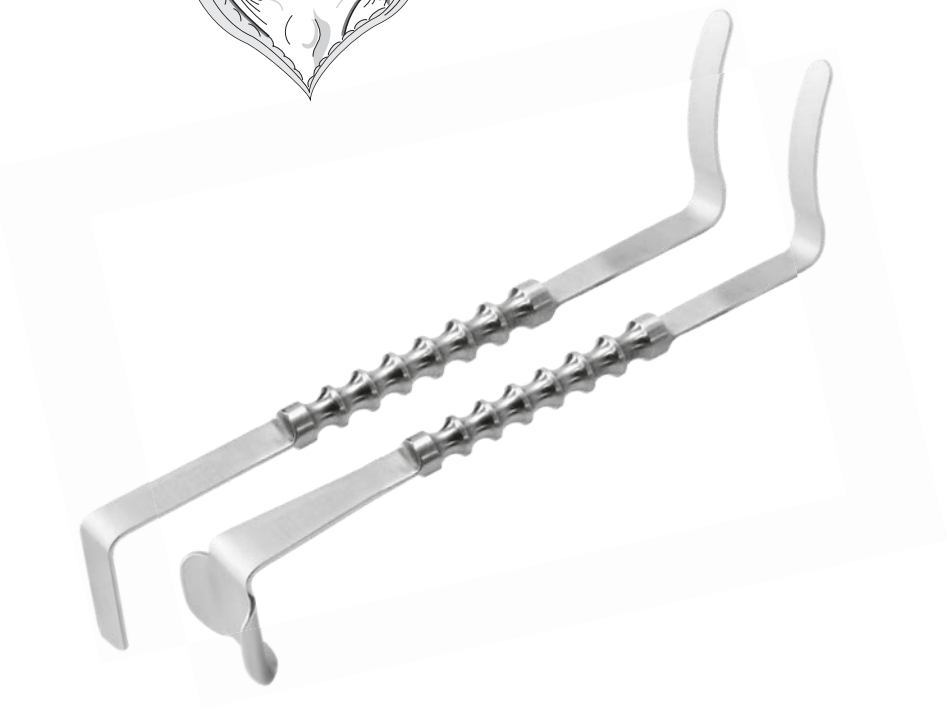
Rosen Double Ended Retractors

Helps to reduce the number of instruments on the field and to limit the need for passing instruments during the case

PRODUCT NO'S:
4005 [Army-Navy/Z] *Overall Length: 10" (25,4 cm)* *Z End: 70 mm Deep, 11 mm Wide* *Army Navy End: 40 mm Deep, 15 mm Wide*
4010 [Richardson/Z] *Overall Length: 10" (25,4 cm)* *Z End: 70 mm Deep, 11 mm Wide* *Richardson End: 40 mm Deep, 37 mm Wide*

Designed By Adam Rosen, DO

USA MADE



Stulberg Incision Close Gelpi & Blade Set

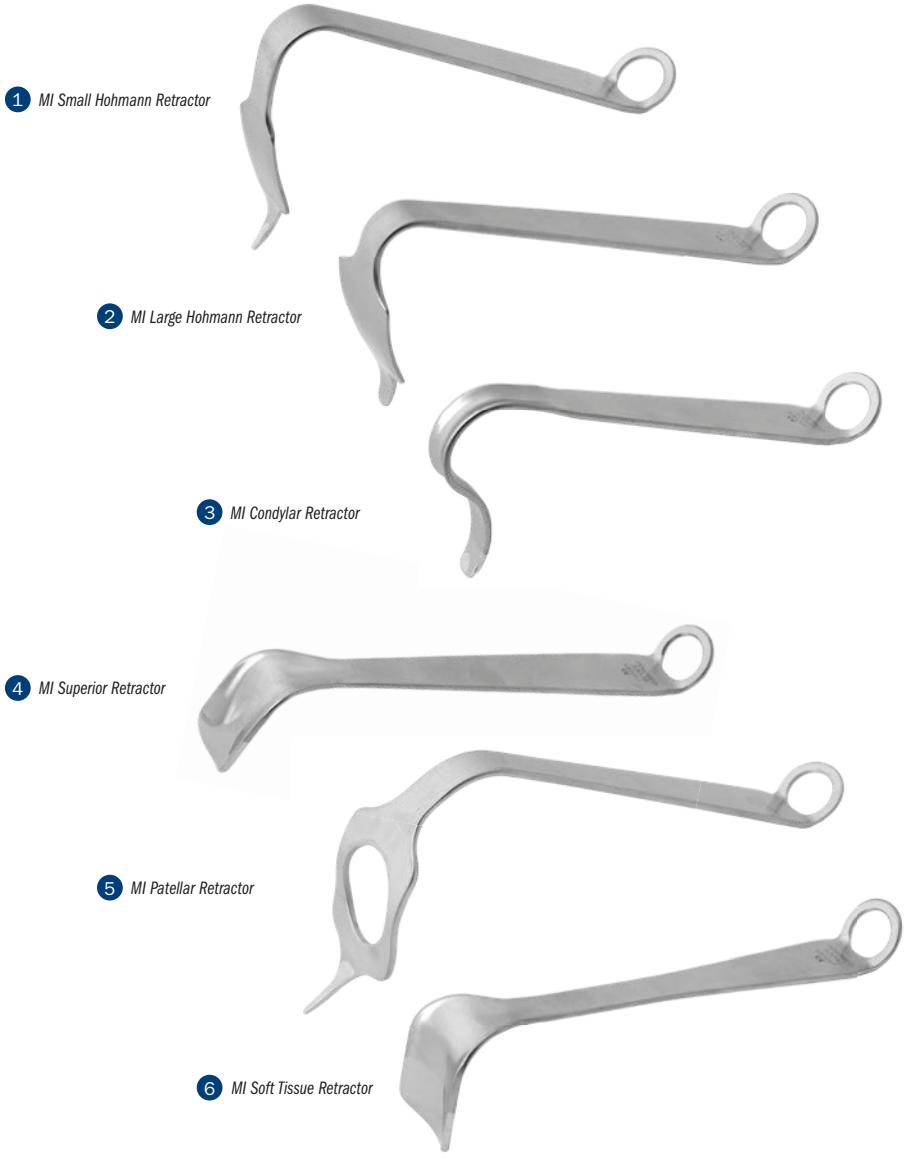
Designed to help expose difficult to visualize areas at the end of incisions

PRODUCT NO'S:
4269-00 [Set – 1 Gelpi & 1 Blade]
Also available Individually:
4269-01 [Gelpi] *Overall Length: 7.25" (18,4 cm)* *Maximum Spread Width: 3.5" (8,9 cm)*
4269-02 [Blade] *Overall Length: 5.5" (14 cm)* *Blade Width: 1" (2,54 cm)* *Blade Bend-Back Angle: 130°*

Designed by S. David Stulberg, MD

USA MADE

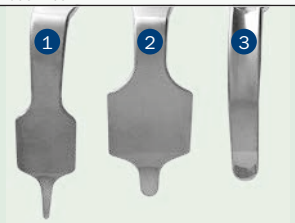
INNOMED



Minimally Invasive Knee Retractors

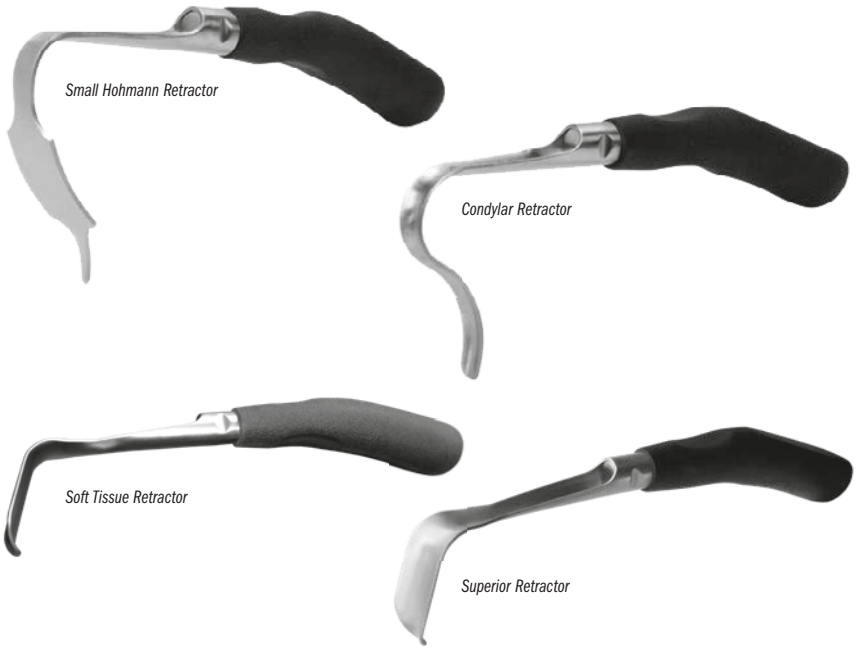
Helps provide excellent visibility and ligament protection during Total and Unicondylar Knee Replacement Surgery

PRODUCT NO'S:	
1	S3035 [Small Hohmann Retractor] *Overall Length: 7.5" (19,1 cm)* *Blade Width: 25 mm*
2	S3036 [Large Hohmann Retractor] *Overall Length: 8" (20,3 cm)* *Blade Width: 36 mm*
3	S3037 [Condylar Retractor] *Overall Length: 7.5" (19,1 cm)* *Blade Width: 12 mm*



USA MADE

4	S3038 [Superior Retractor] *Overall Length: 8.75" (22,2 cm)* *Blade Width: 31 mm*
5	S3039 [Patellar Retractor] *Overall Length: 10.25" (26 cm)* *Blade Width: 45 mm*
6	S3042 [Soft Tissue Retractor] *Overall Length: 8.75" (22,2 cm)* *Blade Width: 36 mm*



Knee Retractors with Easy Grip Handles

Helps provide excellent visibility and ligament protection during total and unicondylar knee replacement surgery

Silicone handle helps reduce holding fatigue.

PRODUCT NO'S:	
SS3035	[Small Hohmann Retractor] *Overall Length: 7" (17,8 cm)* *Blade Width: 25 mm*
SS3037	[Condylar Retractor] *Overall Length: 7" (17,8 cm)* *Blade Width: 12 mm*
SS3038	[Superior Retractor] *Overall Length: 8.25" (21 cm)* *Blade Width: 31 mm*
SS3042	[Soft Tissue Retractor] *Overall Length: 8.25" (21 cm)* *Blade Width: 36 mm*

USA MADE

Uni Medial/Lateral Ligament Retractor

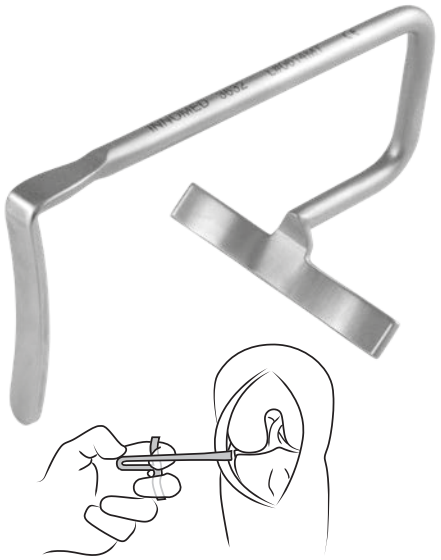
Designed to be placed in the medial/lateral tibial recess while making the horizontal tibial cut during unicompartmental knee arthroplasty—helping to retract and protect the medial and lateral collateral ligaments

Ambidextrous, ergonomic design allows for comfortable and natural hand positioning, helping to improve MCL/LCL protection and ease of use, especially in the obese patient.

PRODUCT NO:
3632 *Overall Length: 4.25" (10,8 cm)* *Blade Width: 8.8 mm* *Blade Depth: 2.375" (6 cm)*

Designed by Kurt Kramer, PA-C

USA MADE



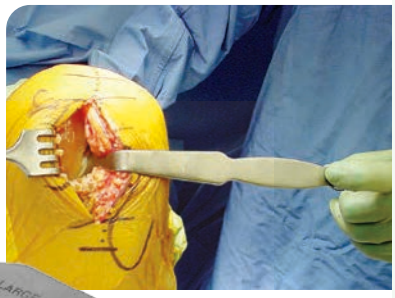
Engh Intercondylar Notch Retractors

Enhances minimally invasive exposure of the medial femoral condyle in unicondylar arthroplasty

PRODUCT NO'S:
3230-01 [Small] *Blade Width at Teeth: 9 mm* *Depth from Bend: 2.25" (5,7 cm)* *Overall Length: 8.125" (20,6 cm)*
3230-02 [Medium] *Blade Width at Teeth: 10 mm* *Depth from Bend: 2.25" (5,7 cm)* *Overall Length: 8.125" (20,6 cm)*
3230-03 [Large] *Blade Width at Teeth: 12 mm* *Depth from Bend: 2.25" (5,7 cm)* *Overall Length: 8.125" (20,6 cm)*

Designed by Gerard A. Engh, MD

USA MADE



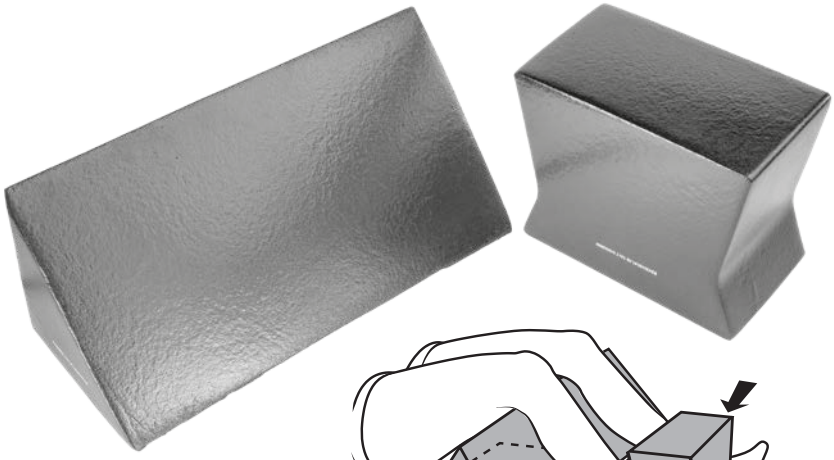
Patient Self Stress Assembly Set

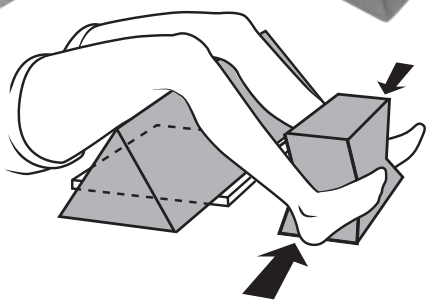
Designed to help position a patient for X-ray evaluation to help determine candidacy for Unicompartmental Knee Arthroplasty

PRODUCT NO'S:
2741-00 [Set]
Individual Positioners:
2741-01 [Triangle Positioner] *Dimensions: 24" x 9" x 9" (61 cm x 23 cm x 23 cm)*
2741-02 [Contoured Cube] *Dimensions: 11" x 9" x 6" (28 cm x 23 cm x 15,2 cm)*

Designed by Kyle Cook, RTR and David Mauerhan, MD

USA MADE





USA MADE

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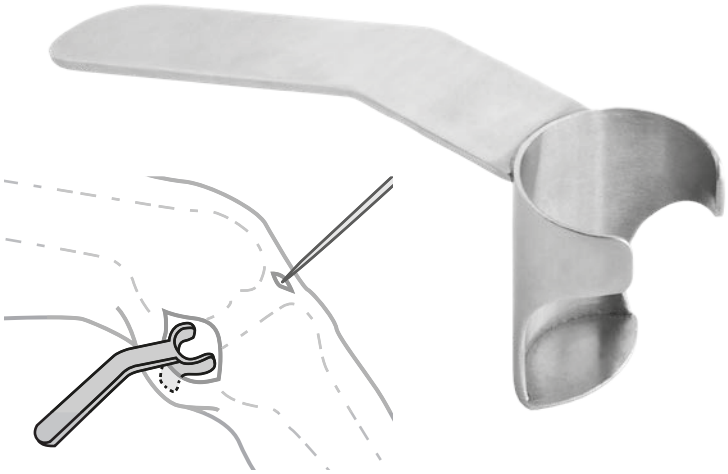


Bicos Meniscal Repair Retractor

A popliteal retractor specifically designed for meniscal repair or access to the posterior knee

Used when an inside out meniscal repair is indicated, the design facilitates retracting the posterior soft tissues of the popliteal fossa out of the way, allowing passage of meniscal repair needles.

The retractor's compact design facilitates a minimally invasive incision. The unique shape helps capture the meniscal repair needles and direct them out of the posterior incision for easy grasping and repair. Incorporates a shiny body to help reflect inside the posterior wound and aid in seeing and retrieving the needles.

PRODUCT NO:
2731 *Overall Length: 5" (12,7 cm)* *Depth: 1.625" (4,1 cm)* *Diameter: 28 mm*

Designed by James Bicos, MD

USA MADE

McMaster Medullary Canal Aspirator

Designed to aspirate the medullary canal prior to insertion of the solid instrumentation alignment rod to decrease the amount of semi-liquid material present

Helps evacuate excess fat and marrow content from the medullary canal of a long bone, helping to reduce the pressure and force created during insertion of a metal rod into the canal, which can possibly cause such materials to be emobilized into the circuclation system (and eventually into the lungs) through open venous structures.

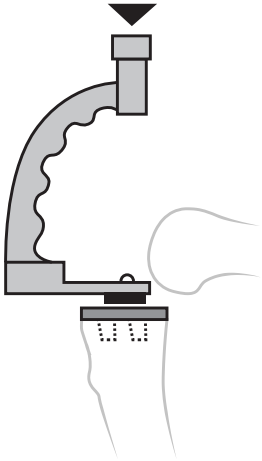
The guide wire serves a dual purpose: To help break up the medullary bone in the proximal metaphysis to facilitate the passage of the fenestrated rod, and after the procedure to assist in cleaning and clearing the cannulated portion of the rod.

Also can be used on the tibial side if an intramedullary guide system is used. Can also be used during femoral rodding procedures for fractures.

PRODUCT NO:
8075 *Overall Length: 19" (48,3 cm)*
Also Available Individually:
8075-01 [Canal Tube] *Overall Length: 18" (45,7 cm)*
8075-02 [Guide Wire] *Overall Length: 19" (48,3 cm)*

Designed by William McMaster, MD

USA MADE



Tibial Impactor

Assists in MIS unicompartmental cemented tibial tray impaction, and can also be helpful for impaction of other components such as ankle

PRODUCT NO'S:
1129 *Dimensions: 7" x 4" (17,8 cm x 10,2 cm)* *Delrin Impactor Pad: 1" x .625" (2,5 cm x 1,6 cm)*
Replacement Part:
1129-02 [Replacement Pad Only]

USA MADE

Design modified by Atul F. Kamath, MD

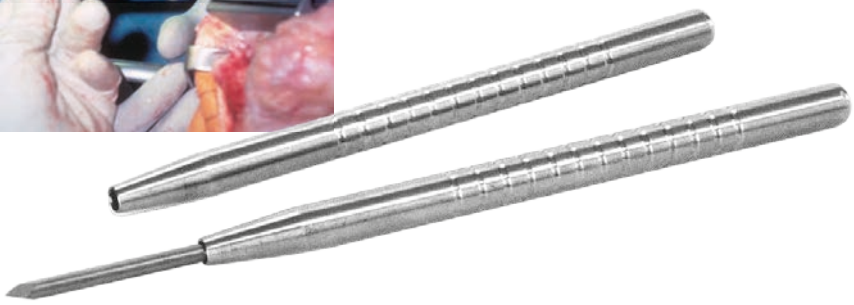
Pin Inserter

Used for 1/8" (3,2 mm) diameter pin insertion

Designed to hold onto a pin while it is being inserted into a cutting block during total knee surgery or other applications. Holds the pin tightly, yet releases it easily after insertion. May be used with round or triangular end pins.

PRODUCT NO:
4020 *Overall Length: 5" (12,7 cm)*

USA MADE



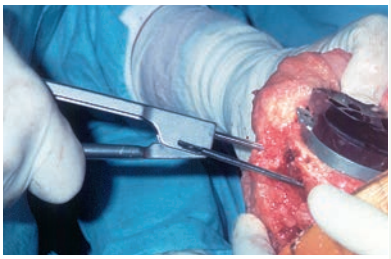
Pin Inserter/Extractor

Helps provide better leverage, stability and control when inserting/extracting pins

Completely cannulated allowing use on long pins where the instrument can be next to the bone or skin for stability and control. The grasping end is contoured to not block the surgeon's field of view. The handle is shaped so not to slide in the surgeon's hand and for better leverage. May also be used to pull a drain needle from the surgical site. The design helps to protect operating personnel from the sharp tip of the needle. A slap hammer may be screwed into a threaded pin inserter/extractor to help in removing pins in hard bone.

PRODUCT NO'S:
3020 [For 1/8" (3,2 mm) Pins]
3020-T-00 [For 1/8" (3,2 mm) Pins, w/Slaphammer and Sterilization Case]
3020-T [For 1/8" (3,2 mm) Pins, Threaded to Accept slap hammer]
3030 [For 3/16" (4,8 mm) Pins]
3040 [Slap Hammer] *Thread: 5/16"x 18*
1015 [Sterlization Case]

USA MADE



Pin Driver and Threaded Bone Pins

Quick-connect version for use with a driver.

USA MADE

PRODUCT NO'S:
1205 [Pin Driver] *Overall Length: 3.75" (9,5 cm)*
1206 [Pin Driver w/Zimmer Hall Quick-connect] *Overall Length: 5" (12,7 cm)*
1/8" (3,2 mm) Pins – Packages of 10:
1287 [85 mm Threaded Bone Pin]
1290 [65 mm Threaded Bone Pin]
1297 [55 mm Threaded Bone Pin with Collar]

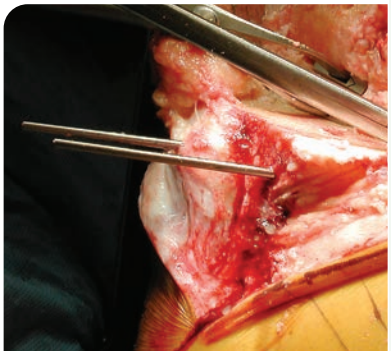
PRODUCT NO:
8248 [Fixed Driver] *with Zimmer Hall Quick-connect*

Shouldered Bone Pins

Pins feature a trocar point

PRODUCT NO'S:	
Packages of 10:	
1270 [1/8"] *Diameter: 3.2 mm (.125")* *Overall Length: 70 mm* *Shoulder-to-tip: 45 mm*	1271 [1/16"] *Diameter: 1.6 mm (.062")* *Overall Length: 70 mm* *Shoulder-to-tip: 45 mm*
1297 [Threaded] *Diameter: 3.2 mm (.125)* *Overall Length: 55 mm*	

USA MADE

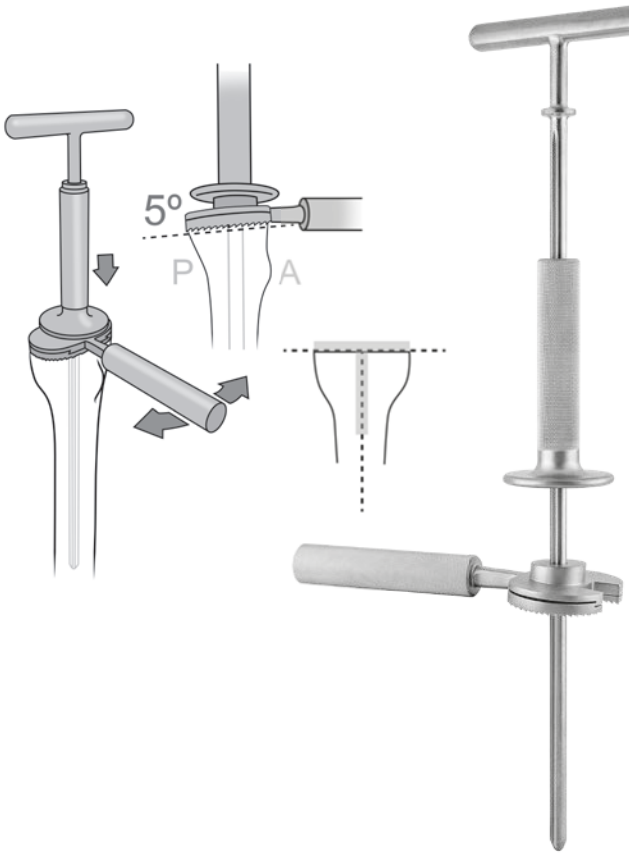


Stanton Straight Pin Removal Pliers

PRODUCT NO:
1893 *Overall Length: 6.375" (16,2 cm)* *Jaw Length: 1.62 (4,1 cm)* *Instrument Width: 1 cm*

Designed by John Stanton, MD

USA MADE



Colwell TKA 5° Tibial Rasp Assembly

A tibial planing tool with a universal design to help improve tibial cut alignment and flatness by smoothing out imperfections intraoperatively, helping to ensure the tibial bone surface is cut correctly in coronal and sagittal planes

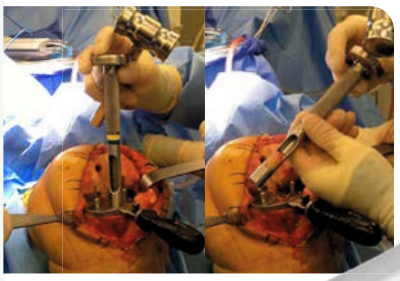
After the planer rasp handle/plate unit is threaded onto the intramedullary rod, the handle is moved back and forth through an arc while the cutting surface of the planer is held against the tibial bone, to realign the cut and to remove any imperfections.

For use with any primary or revision knee system when an intramedullary cutting guide is being used.

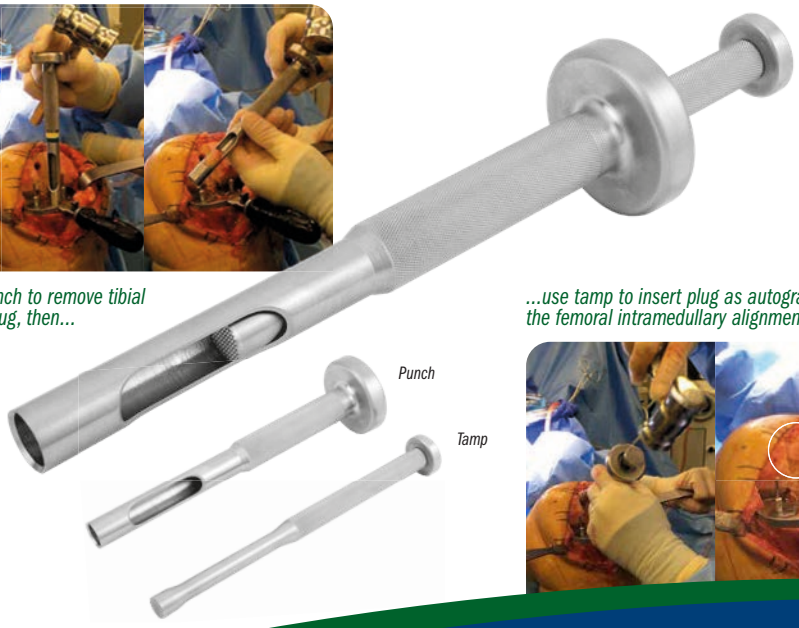
PRODUCT NO'S:
6900-00 [Complete Assembly] *Overall Length: 15" (38,1 cm)*
Set includes:
6901-01 [Rasp Handle] *Overall Length: 6.283" (16 cm)* *Handle Length: 3.625" (9,2 cm)*
6901-02 [Rasp Plate] *Plate Width: 2.65" (7,7 cm)* *Plate Depth: 1.75" (4,3 cm)*
6902 [T-Handle Canal Rod] *Overall Length: 15" (38,1 cm)* *T-Handle Width: 4" (10,1 cm)*
6903 [Handle Grip] *Overall Length: 4" (10,1 cm)*

Designed by Clifford W. Colwell Jr., MD

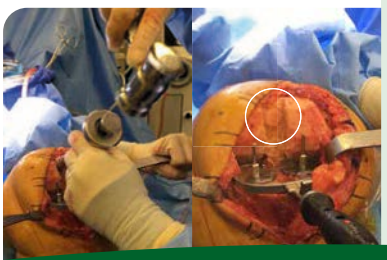
USA MADE



Use punch to remove tibial bone plug, then...



...use tamp to insert plug as autograft for the femoral intramedullary alignment hole



Goytia Osteotome Punch Tamp Assembly

Designed for removing a tibial bone plug to use as autograft for the femoral intramedullary alignment hole in total knee replacement

PRODUCT NO'S:
5339-00 [Punch & Tamp Set]
Set Includes / Available Individually:
5339-01 [Osteotome Punch] *Overall Length: 7.75" (19,7 cm)* *Outside Diameter: 16 mm* *Inside Diameter: 13.7 mm*
5339-02 [Tamp] *Overall Length: 7.75" (19,7 cm)* *Diameter: 12.3 mm*

Designed by Robin Goytia, MD

USA MADE

Patella Cover Plate

Protects the cut surface of the patella during minimally invasive knee surgery

Sharp spikes help hold the plates in place. Lessens the chance of weakening the patella, as pre-drilling is not necessary.

PRODUCT NO'S:	
4230-00	[Set of 4 Sizes]
4230-01	[Small] *35 mm x 31 mm*
4230-02	[Medium] *36 mm x 32 mm*
4230-03	[Large] *37 mm x 33 mm*
4230-04	[Extra Large] *38 mm x 34 mm*

Designed by S. David Stulberg, MD

USA MADE

Patella Grasping Forceps

Bent handle helps the surgeon to evert the patella during minimally invasive knee surgery

Normally two forceps are used. Sold individually.

PRODUCT NO:
4250 *Overall Length: 6.75" (17,1 cm)*

Designed by S. David Stulberg, MD

USA MADE

Lombardi Tibia Cement Preparation Drill

Designed to drill cancellous bone to help improve bone/cement interface

For drilling cancellous bone in the subchondral weight bearing region of the tibia, helping to improve the mechanical interlock in the cancellous bone/cement interface. Features a Zimmer Hall quick-connect end for use with a driver.

PRODUCT NO:
1112 *Drill Diameter: 2.7 mm* *Drill Length: 3 mm* *Overall Length: 4.75" (12,1)*

Designed by Adolph Lombardi, MD

USA MADE

PRODUCT NO:
8248 [Fixed Driver] *with Zimmer Hall Quick-connect*

Woolley Tibia Punch

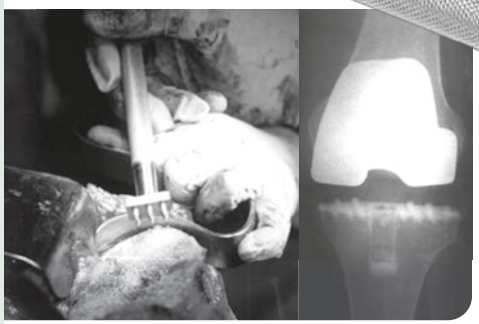
Designed to impact cancellous bone to help improve bone/cement interface

Designed to impact cancellous bone in the subchondral weight bearing region of the tibia. This helps to improve the mechanical interlock in the cancellous bone/cement interface. The sharp tips can be used on normal and dense cancellous bone, and they can also be used when a significant deformity has been encountered resulting in sclerotic bone.

PRODUCT NO:
5140 *Prong Depth: 5.5 mm* *Overall Length: 7" (17,8 cm)* *Shaft Diameter: 13 mm*

Designed by D. Woolley, MD

USA MADE



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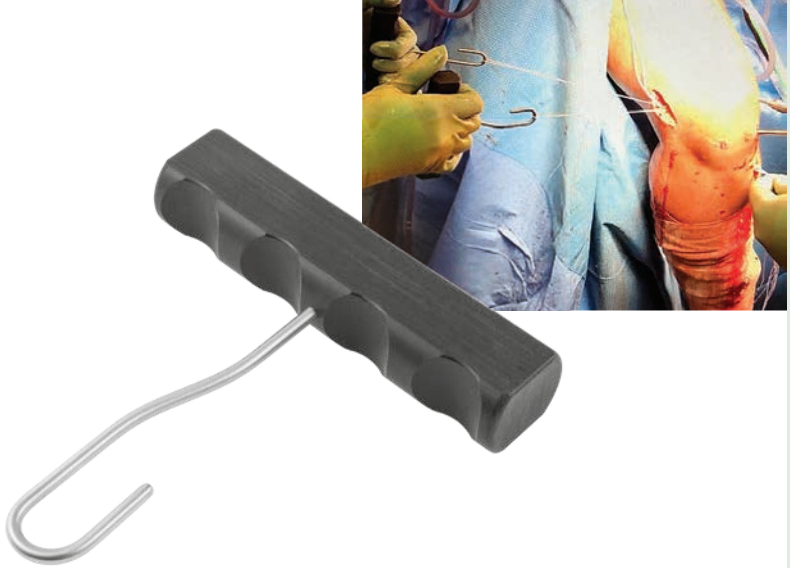


Seymour ACL Graft Advancer

Designed to facilitate the passage and tensioning of an ACL graft into the femoral and tibial tunnels

A loop is tied in the prepared graft's passing sutures and the device is used to pull the graft into the tunnels, then to tension the fixation.

PRODUCT NO:
1117 *Overall Length: 4.35" (11,1 cm)* *Handle Width: 4" (10,2 cm)* *Hook Width: 19,5 mm Outside, 13,5 mm Inside* *Hook Depth: 25 mm* *Hook Diameter: 3 mm*

USA MADE

Designed by Scott Seymour, MD

Kodkani Tissue Elevator Suture/Graft Passer

Designed for MPFL reconstruction basket weave technique, and helpful for mini-open ligament reconstruction surgeries for graft passage

Can also be used for:

- Periosteum/soft tissue elevator or freer
- Percutaneous passage of tendon/ligament graft/suture
- Stripping tendon grafts off muscle
- General orthopedics – repiosteum elevator and spike

Advantage of the open slot:

- Convenient feeding and removal of sutures from slot
- Feeding of multiple thick sutures & sutures with knots
- Engaging and shuttling grafts with short suture loop ends

PRODUCT NO'S:
1114 [No Slot] *Overall Length: 9.75" (24,8 cm)* *Handle Length: 4.25" (10,8 cm)* *Suture Hole: 2,5 mm x 13 mm*
1114-01 [With Slot] *Overall Length: 9.75" (24,8 cm)* *Handle Length: 4.25" (10,8 cm)* *Suture Hole: 2,5 mm x 13 mm*

Designed by Pranjal Kodkani, MD

USA MADE

Wilson Patella Double #3 Scalpel Handle

Designed to help make a predictable incision in the patellar tendon when harvesting ACL graft material

The blade offset is 10 millimeters. The tendon graft is harvested from the patella and tibial tubercle including the patellar tendon. Uses scalpel blades that fit a #3 handle size. **Scalpel blades not included.**

PRODUCT NO:
8207 *Overall Length: 5.75" (14,6 cm)*

USA MADE

Designed by Ralph Wilson, MD

Andrews Modified Tibial Fragment Grasper

Designed to help remove tibial bone during unicondylar and total knee arthroplasty

PRODUCT NO:
1721 *Overall Length: 10" (25,4 cm)* *Jaw Dimensions: 1.44" x .72" (36,6 cc x 18,3 mm)* *Lower Jaw Thickness: 1 mm*

USA MADE

Designed by Scott Andrews, MD

Rosenstein Tibial Fragment Grasper for UKA

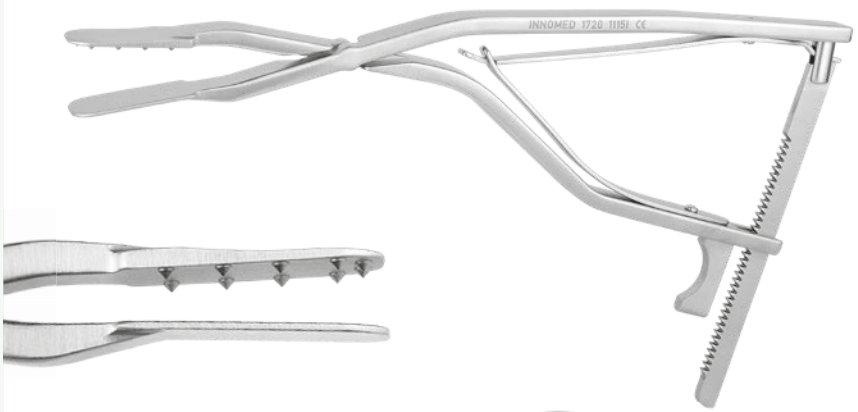
Designed to help remove the tibial bone fragment in one piece during Unicompartmental Knee Arthroplasty

The narrow grasper with its thin lower jaw is inserted under the femoral condyle, helping to secure the tibial fragment throughout it's entire length, and to remove the fragment without breaking it. The angled design helps keep the surgeon's hands out of the way and facilitates visualization.

PRODUCT NO:
1720 *Overall Length: 10" (25,4 cm)* *Jaw Dimensions: 1.44" x .72" (36,6 mm x 18,3 mm)* *Lower Jaw Thickness: .05" (1,2 mm)*

USA MADE

Designed by Alexander D. Rosenstein, MD



Redler Clamp with Wire Guide

Designed to hold bony fragments in place for placement of guide wires

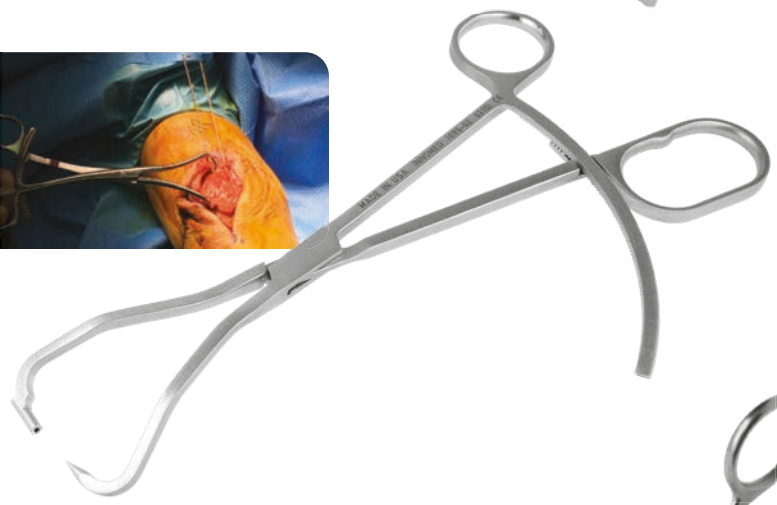
Can be used for placement of guide wires during the open reduction and internal fixation of a patella fracture

PRODUCT NO'S:
1885-45 *For Pins up to .045" (1,1 mm)* *Overall Length: 9.5" (24,1 cm)* *Jaw opens to: 3.5" (8,9 cm)*
1885-62 *For Pins up to .062" (1,6 mm)* *Overall Length: 9.5" (24,1 cm)* *Jaw opens to: 3.5" (8,9 cm)*

Two sizes available:
For use with .045" (1.1 mm) or .062" (1.6 mm) K-wires.

Designed by M.R. Redler, MD

USA MADE



Scott Patella Resection Guide/Clamp

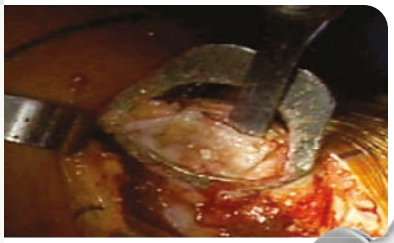
Helps move the tendons anteriorly, giving the surgeon a good method of holding the patella stable for resection

Can be used as a holding device, or as a guide if the surgeon uses the tendon insertion to the patella as level for resection.

PRODUCT NO:
1164 *Overall Length: 10" (25,4 cm)*

Designed by James Scott, MD

MADE EXCLUSIVELY FOR INNOMED IN GERMANY



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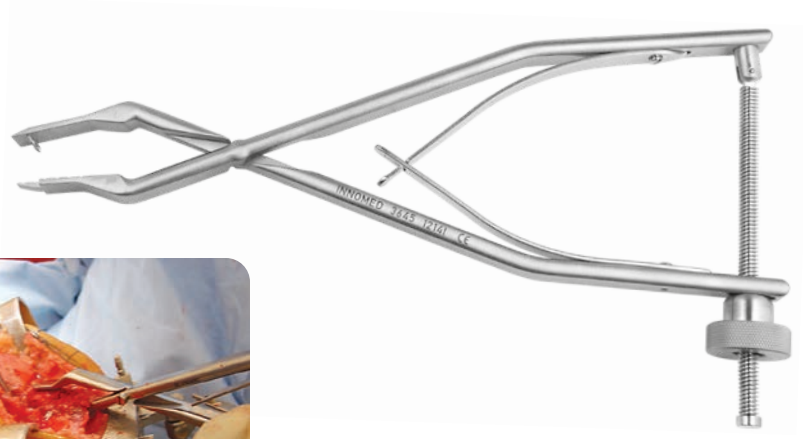
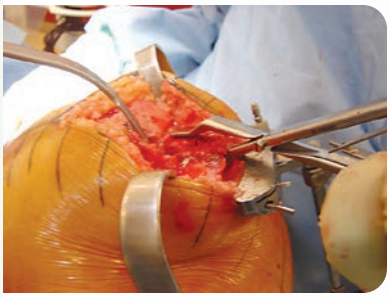




Fracchia Tibia/Patella Clamp with Speed Lock

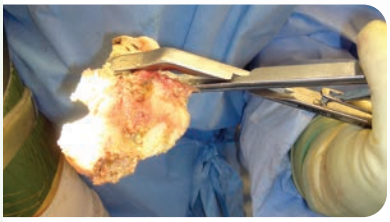
Designed to be used to remove a tibia wedge, and helps in everting the patella

Longer spikes help with better gripping.

PRODUCT NO:
3645 *Overall Length: 10" (25,4 cm)*

USA MADE

Designed by Michael J. Fracchia, MD & S. David Stulberg, MD



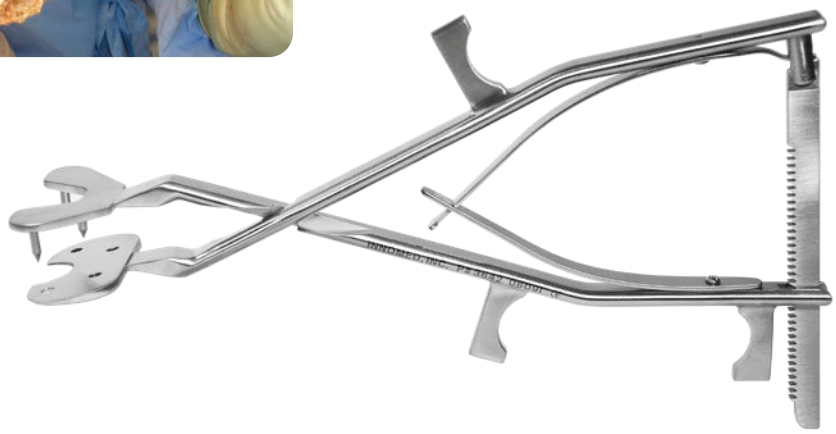
Universal Calibrated Tibia/Patella Clamp

Designed to be used to remove a tibia wedge, helps in everting the patella, and calibrations help in measuring the thickness of the patella and tibia wedges

PRODUCT NO:
3685 *Overall Length: 10" (25,4 cm)* *Calibrations: 0 to 26 mm*

Designed by S. David Stulberg, MD

USA MADE



Andrews Modified Tibial Wedge Clamp

Designed to help remove the cut tibial bone quickly and easily during total knee procedures

The bone is held securely by the spikes and comes out in one piece, and also allowing for simple release of soft tissues from the bone.

PRODUCT NO:
3642 *Overall Length: 10.25" (26 cm)* *Pads: 60 mm x 30 mm* *Front Spike Length: 14 mm* *Back Spike Length: 7.5 mm*

Designed by Scott Andrews, MD and Kuldeep Sidhu, MD

USA MADE

Sidhu Tibia Clamp

Designed to be used to securely grasp and remove an entire tibial wedge

The tapered lower pad slides under the cut tibial wedge without first having to use wedges, then, clamping allows the spikes in the upper pad to securely grasp the entire tibial wedge for easy removal.

PRODUCT NO:
3643 *Overall Length: 10.25" (26 cm)* *Pads: 60 mm x 30 mm* *Spike Length: 7.5 mm*

Designed by Kuldeep Sidhu, MD

USA MADE

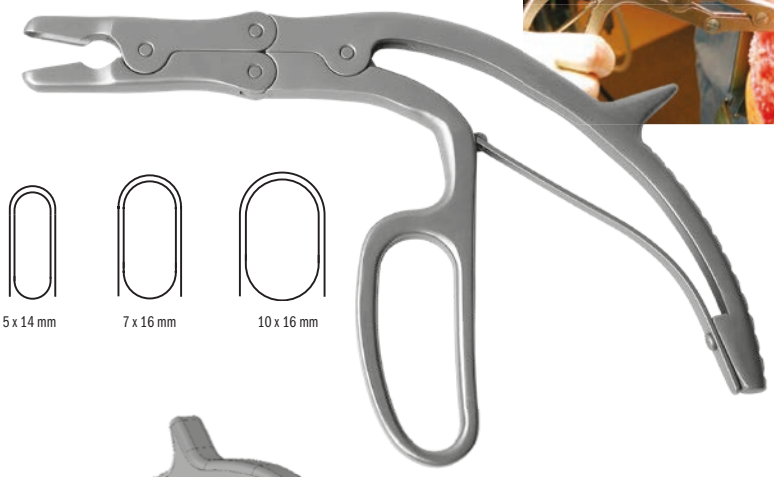
Mazzara Rongeur with Pistol Grip Handle

Pistol grip handle lessens hand fatigue and slippage, and allows for better visualization

PRODUCT NO'S:
1765-01 *Jaw Bite: 5 x 14 mm* *Overall Length: 10" (25,4 cm)*
1765-02 *Jaw Bite: 7 x 16 mm* *Overall Length: 10" (25,4 cm)*
1765-03 *Jaw Bite: 10 x 16 mm* *Overall Length: 10" (25,4 cm)*

Designed by James T. Mazzara, MD

USA MADE



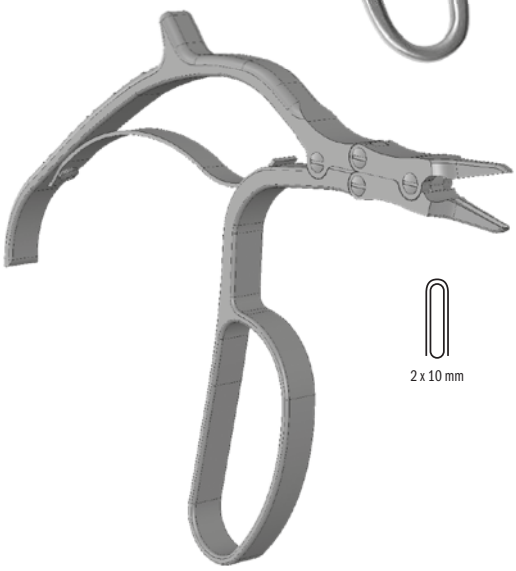
Mazzara Rongeur with Small Pistol Grip Handle

Designed for bone and soft tissue removal in small joint surgery, the small pistol grip handle lessens hand fatigue and slippage, and allows for better visualization

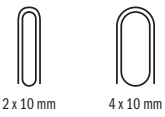
PRODUCT NO'S:
1765-04 *Jaw Bite: 2 x 10 mm* *Overall Length: 9" (22,9 cm)*
1765-05 *Jaw Bite: 4 x 10 mm* *Overall Length: 9" (22,9 cm)*

Designed by James T. Mazzara, MD

USA MADE



New!



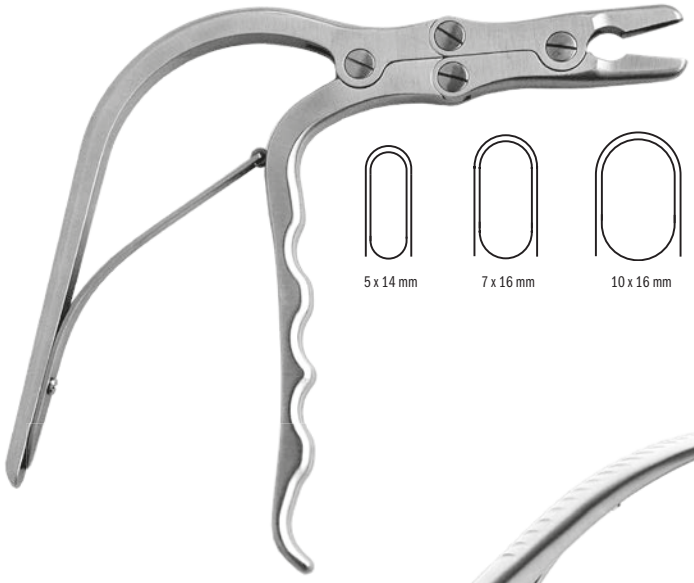
Ortho Rongeur with Easy Grip Handle

Offset handle lessens hand fatigue and slippage, and allows for better visualization

Offset handle gives better gripping power and helps reduce hand fatigue. Finger grooves help to prevent hand slippage. The offset handle also allows for better visualization. Available in three jaw bite sizes.

PRODUCT NO'S:
1780-01 *Jaw Bite: 5 x 14 mm* *Overall Length: 8.75" (22,2 cm)*
1780-02 *Jaw Bite: 7 x 16 mm* *Overall Length: 8.75" (22,2 cm)*
1780-03 *Jaw Bite: 10 x 16 mm* *Overall Length: 8.75" (22,2 cm)*

USA MADE



Hannum Grasper

Teeth in jaw firmly holds bone and tissue

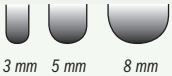
Non-locking design can be easily gripped while allowing greater pressure to be applied. Available in three jaw sizes: short jaw for holding bone, medium jaw for smaller bones, and long jaw for tissue.

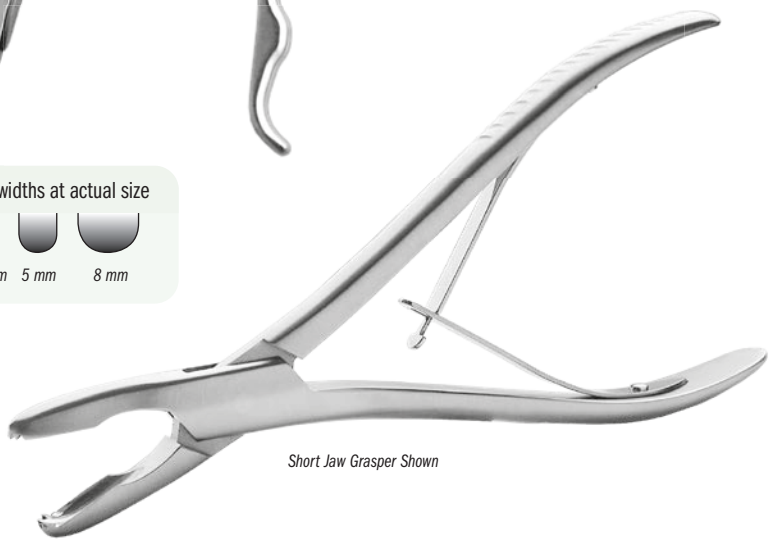
PRODUCT NO'S:
1775-01 [Short Jaw] *Jaw Width: 8 mm* *Overall Length: 9.25" (23,5 cm)*
1775-02 [Medium Jaw] *Jaw Width: 5 mm* *Overall Length: 9.25" (23,5 cm)*
1775-03 [Long Jaw] *Jaw Width: 3 mm* *Overall Length: 9.25" (23,5 cm)*

Designed by Scott Hannum, MD

MADE EXCLUSIVELY FOR INNOMED IN GERMANY

Jaw widths at actual size





Short Jaw Grasper Shown

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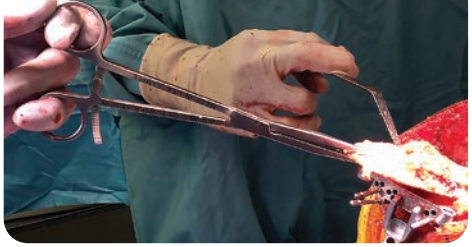
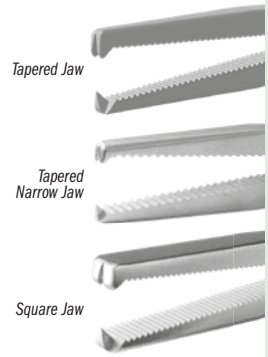




Powers Modified Kocher Clamps

Heavier design allows for a firmer grasping of bone and soft tissues

PRODUCT NO'S:
1813 [Tapered Jaw] *Overall Length: 8.25" (21 cm)* *Jaw Length: 2.5" (6,4 cm)* *Jaw at End: 5.2 mm x 4.1 mm*
1813-01 [Tapered Narrow Jaw] *Overall Length: 8.25" (21 cm)* *Jaw Length: 2.5" (6,4 cm)* *Jaw at End: 5.2 mm x 3 mm*
1814 [Square Jaw] *Overall Length: 8.25" (21 cm)* *Jaw Length: 2.5" (6,4 cm)* *Jaw at End: 6.5 mm x 5 mm*

USA MADE

New!

Designed by Mark Powers, MD

Lotke Double Action Cartilage Graspers

Double action strength helps to securely hold soft tissues

MADE EXCLUSIVELY FOR INNOMED IN GERMANY

Angled to simulate the pinch forceps position. Ferris-Smith tips effectively hold soft tissues or needles. Powergrip avoids fatigue or excessive forces on the surgeon's thumbs.

PRODUCT NO'S:
1710 [Standard] *Overall Length: 7.5" (19,1 cm)*
1715 [Ratcheted] *Overall Length: 7.5" (19,1 cm)*

Designed by Paul Lotke, MD

Bhargava Modified Meniscal Clamp

Low-profile design helps facilitate grasping the posterior portion of the meniscus

Improved bite when tension is placed on the meniscus. Can also be used to help remove the fat pad and suprapatellar bursa.

USA MADE

PRODUCT NO:
1886 *Overall Length: 7" (17,8 cm)* *Jaw Length: 1.125" (2,9 cm)*

Designed by Tarun Bhargava, MD

Meniscal Clamp

Redesigned clamp is curved for easier use, visualization, and tissue holding

USA MADE

PRODUCT NO:
1883 *Overall Length: 7" (17,8 cm)* *Teeth Length: .082" (2 mm)* *Jaw Length: 1.5" (3,8 cm)*

Sure Grip Soft Tissue Grasper

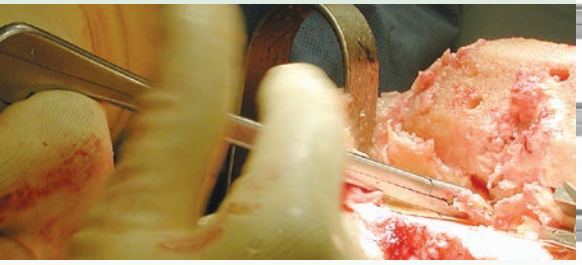
Enables the surgeon to securely grasp soft tissue structures within the knee

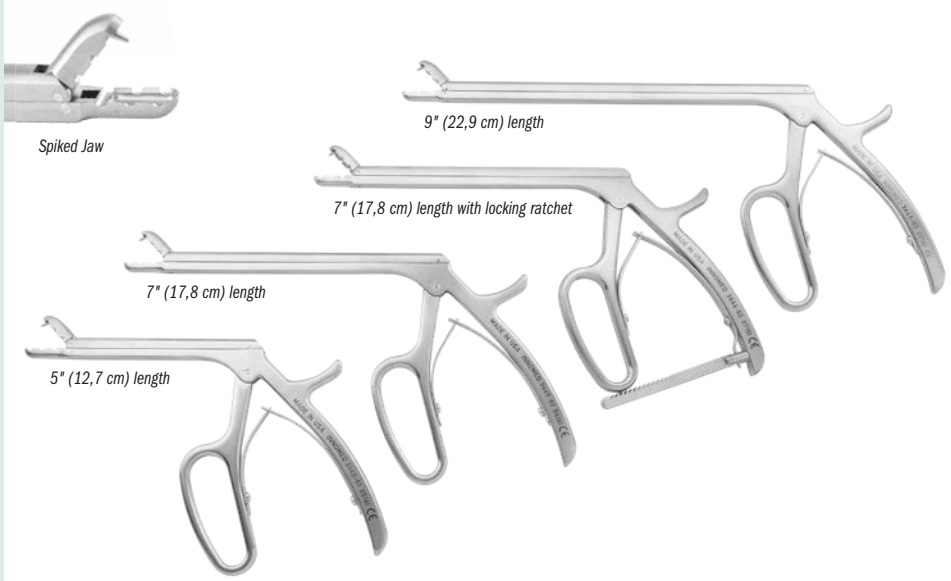
Incorporates a 3 mm spike into its upper jaw with a matching recess in the lower jaw, enabling the surgeon to securely grasp soft tissue structures within the knee. Particularly useful for grasping the posterior horn of either the medial or lateral meniscus. Also useful when excising the cruciate ligaments, capturing loose bodies, holding the retinaculum during patellar preparation, and grasping the capsule during wound culture.

PRODUCT NO'S:
3645-01 [5"] *Overall Length: 8" (20,3 cm)* *Shaft Length: 5" (12,7 cm)* *Spike Depth: 3 mm*
3645-02 [7"] *Overall Length: 10" (25,4 cm)* *Shaft Length: 7" (17,8 cm)* *Spike Depth: 3 mm*
3646-02 [7" w/Locking Ratchet] *Overall Length: 10" (25,4 cm)* *Shaft Length: 7" (17,8 cm)* *Spike Depth: 3 mm*
3645-03 [9"] *Overall Length: 12" (30,5 cm)* *Shaft Length: 9" (22,9 cm)* *Spike Depth: 3 mm*

Designed by Andrew Glassman, MD

USA MADE





Tissue Graspers with Shark Teeth

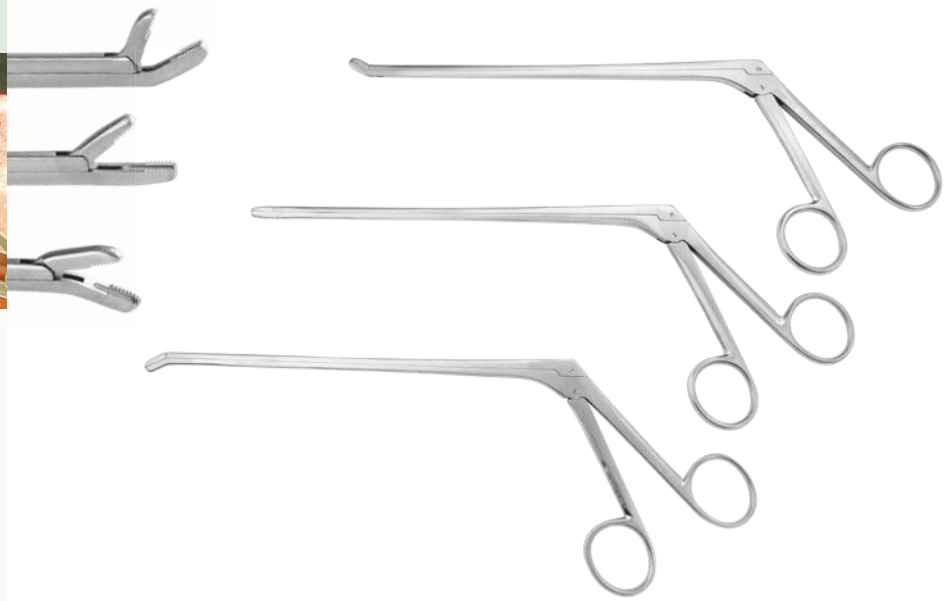
Shark teeth help to grasp on to tissue and bone

- Shaft allows for use in narrow spaces
- Ideal for removing herniated disc material

PRODUCT NO'S:
1784-01 [Up Angled Jaw] *Shaft Length: 7" (17,8 cm)* *Overall Length: 10" (25,4 cm)* *Jaw: 9 mm Long x 5 mm High x 1.8 mm Wide*
1784-02 [Straight Jaw] *Shaft Length: 7" (17,8 cm)* *Overall Length: 10" (25,4 cm)* *Jaw: 9 mm Long x 5 mm High x 1.8 mm Wide*
1784-03 [Down Angled Jaw] *Shaft Length: 7" (17,8 cm)* *Overall Length: 10" (25,4 cm)* *Jaw: 9 mm Long x 5 mm High x 1.8 mm Wide*

Designed by Luis Ulloa

MADE EXCLUSIVELY FOR INNOMED IN GERMANY



Cartilage Grasper

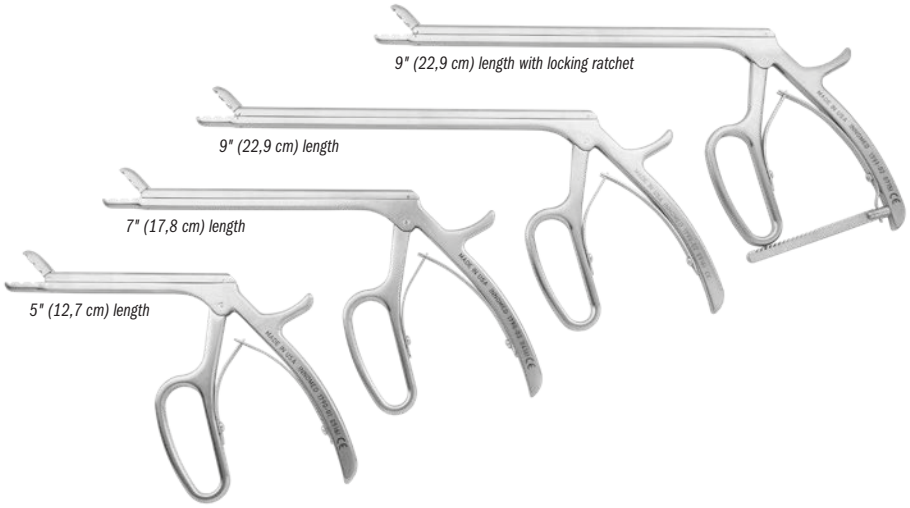
Helps to grasp and hold cartilage, tendons, soft tissues and loose bodies

PRODUCT NO'S:
1777 [5" with Shark Teeth] *Shaft Length: 5" (12,7 cm)* *Overall Length: 8.25" (21 cm)* *Jaw Bite: 2 mm x 6.5 mm*
1779 [8" with Shark Teeth] *Shaft Length: 8" (20,3 cm)* *Overall Length: 11.25" (28,6 cm)*
1785 [Saw Teeth] *Shaft Length: 6" (15,2 cm)* *Overall Length: 9.25" (23,5 cm)*

MADE EXCLUSIVELY FOR INNOMED IN GERMANY

Designed by Luis Ulloa
Shark tooth modification by Michael Soudry, MD

INNOMED



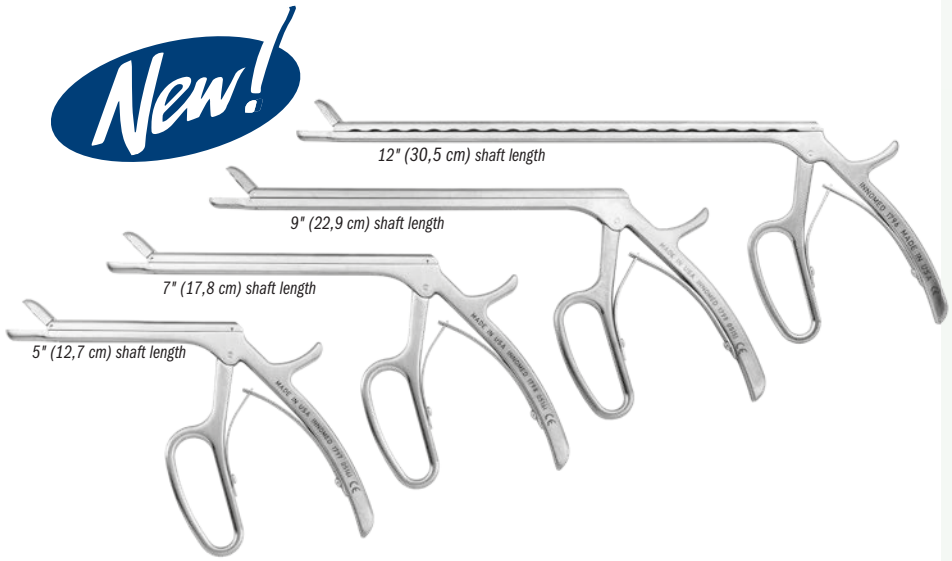
Intraarticular Tissue Grasper/Rongeur

Used to securely grasp tissue or can be used to rongeur tissue

Available in 5", 7"and 9" lengths.

PRODUCT NO'S:
1790-01 [5"] *Overall Length: 8" (20,3 cm)* *Shaft Length: 5" (12,7 cm)*
1790-03 [7"] *Overall Length: 10" (25,4 cm)* *Shaft Length: 7" (17,8 cm)*
1790-02 [9"] *Overall Length: 12" (30,5 cm)* *Shaft Length: 9" (22,9 cm)*
1791-02 [9" w/Locking Ratchet] *Overall Length: 12" (30,5 cm)* *Shaft Length: 9" (22,9 cm)*

USA MADE



Shark Tooth Grasper

Sharp teeth help grasp onto tissue and bone

Helpful in removing the labrum, and osteophytes around the acetabulum and around the glenoid. Also helps to remove meniscus, osteophytes and loose bodies. Helps facilitate working through a small incision without disrupting vision.

Designed by Luis Ulloa

PRODUCT NO'S:
1797 [5" Shaft] *Jaw Size: 6 mm x 10 mm* *Overall Length: 8" (20,3 cm)* *Shaft Length: 5" (12,7 cm)*
1798 [7" Shaft] *Jaw Size: 6 mm x 10 mm* *Overall Length: 10" (25,4 cm)* *Shaft Length: 7" (17,8 cm)*
1799 [9" Shaft] *Jaw Size: 6 mm x 10 mm* *Overall Length: 12" (30,5 cm)* *Shaft Length: 9" (22,9 cm)*
1796 [12" Shaft] *Jaw Size: 6 mm x 10 mm* *Overall Length: 15" (38,1 cm)* *Shaft Length: 12" (30,5 cm)*

USA MADE

New!

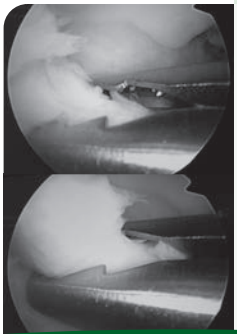
Bhargava Grasper

Very useful in helping to remove posterior osteophytes in knee surgery, and helps to remove the labram and soft tissues in anterior total hip surgery

PRODUCT NO:
1776 *Overall Length: 12.5" (31,8 cm)* *Shaft Length: 9" (22,9 cm)* *Shaft Width: 7 mm* *Jaw Width at End: 4 mm* *Toothed Jaw Length: 14 mm*

Designed by Tarun Bhargava, MD

USA MADE



Soudry Loose Body Grasper

Designed to help with the removal of soft tissue loose bodies in arthroscopy and open procedures

PRODUCT NO:
1769 *Overall Length: 9" (22,9 cm)* *Shaft Length: 6" (15,2 cm)*

MADE EXCLUSIVELY FOR INNOMED IN GERMANY

Designed by Michael Soudry, MD

Gelbke Freer Cement Trimmer/Nerve Hook with TiN Coating

Designed to facilitate cement removal during total and partial knee replacement

- A freer elevator on one end and a nerve hook on the other
- Nerve hook accesses "tough to reach" corners of the knee
- Particularly useful for use with an ultra-congruent polyethylene insert, where trial liners are typically not used, once the final components have been placed
- Ultra hard titanium nitride coating helps to extend life by increasing surface hardness, prolonging sharpness, and resisting chemicals and corrosion

PRODUCT NO:
5007 *Overall Length: 9.25" (23,5 cm)* *Blade Width at End: 5 mm* *Hook Depth: 5 mm*

Designed by Martin K. Gelbke, MD

USA MADE

Bozeman Cement Trimmer

Combines the two most common cement trimming tools into one

The tool has a blunt blade tip on one end to help with separation of the trimmed cement. The angled curette end helps gather the trimmed cement. The thin shank and angled curette can reach into tight spaces such as the back of the implants to remove excess cement. The ends are titanium nitrite coated to help eliminate metal transfer.

PRODUCT NO:
5245 *Overall Length: 8.5" (21,6 cm)*

Designed by Daniel M. Gannon, MD

MADE EXCLUSIVELY FOR INNOMED IN GERMANY

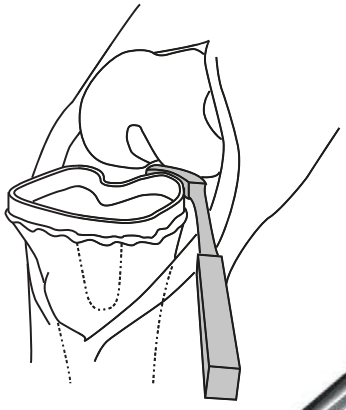
Cement Osteotome

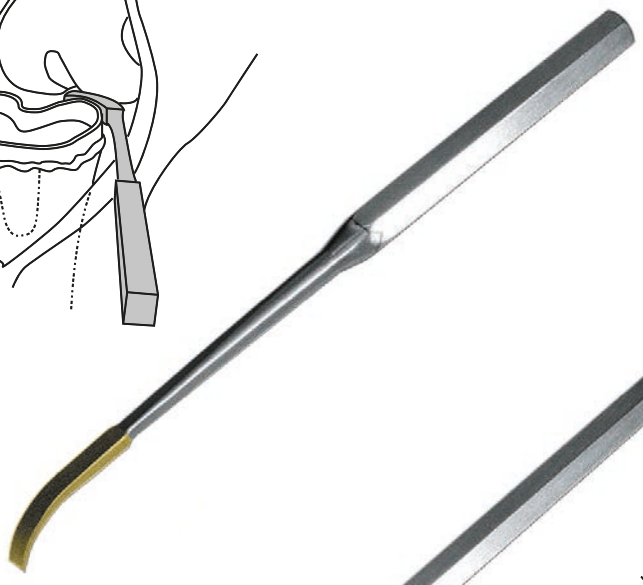
Helps remove cement around the back of the tibia base

Designed to be inserted around the back of the tibia base to remove cement. The curve is congruent with most tibia bases. The osteotome is nitrate coated to help protect the implant surface.

PRODUCT NO:
5220 *Overall Length: 6.75" (17,1 cm)* *Handle Length: 3" (7,6 cm)* *Blade Width: 6,8 mm*

USA MADE





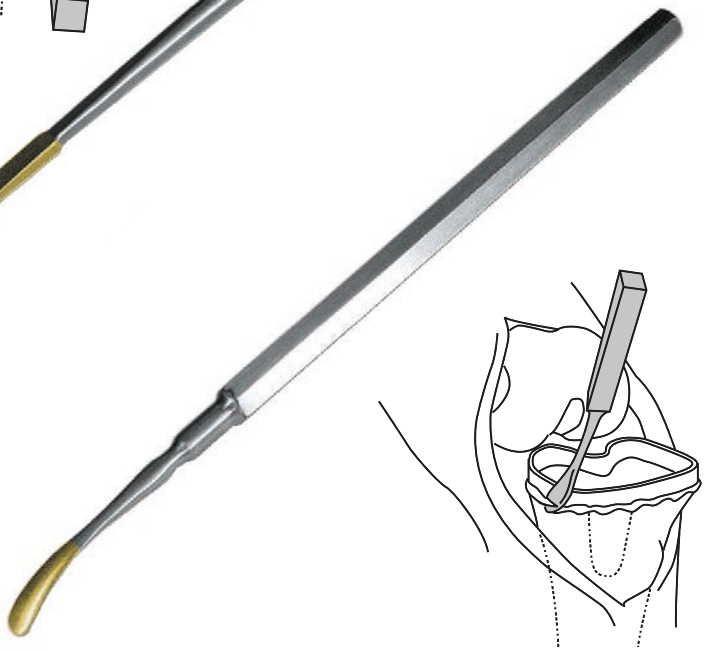
Cement Remover

Helps remove unhardened cement around femoral and tibial knee components

Designed with a sharper face to help remove unhardened cement around femoral and tibial knee components. The remover is nitrate coated to help protect implant surfaces.

PRODUCT NO:
5230 *Overall Length: 7.25" (18,4 cm)* *Handle Length: 5" (12,7 cm)* *Blade Width: 5 mm*

USA MADE



INNOMED

Robb Cement Curette

Designed to help remove cement around a knee or hip prosthesis

PRODUCT NO:
5635 *Overall Length: 8" (20,3 cm)* *Freer End: 5 mm* *Cup End: 10 mm*

Made of Delrin

Designed by William Robb, MD

USA MADE

Sarraf Spearhead Cement Exciser

Two-in-one instrument designed for cement removal during arthroplasty surgery

- Curved semicircular tip is congruent to most tibial plates and femoral condylar implants, helping to facilitate removal of excess cement, especially at the tight posterior aspect
- Spearhead tip assists in excising and shaping the unset cement
- Ultra hard titanium nitride coating helps to extend curette life by increasing surface hardness, prolonging sharpness, and resisting chemicals and corrosion, while helping to eliminate metal transfer and protect the implant surface

PRODUCT NO:
5211 *Overall Length: 7.75" (19,7 cm)*

Designed by Khaled M. Sarraf, MD

USA MADE

Sarraf Cement Trimmer

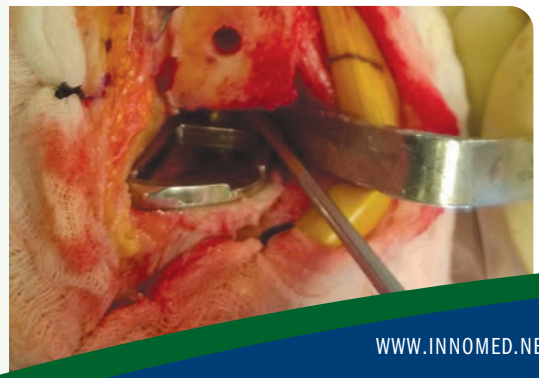
Two-in-one instrument designed for cement removal during arthroplasty surgery

- Curved semicircular tip is congruent to most tibial plates and femoral condylar implants, helping to facilitate removal of excess cement, especially at the tight posterior aspect
- Small scoop-end tip assists in excising unset cement
- Ultra hard titanium nitride coating helps to extend curette life by increasing surface hardness, prolonging sharpness, and resisting chemicals and corrosion, while helping to eliminate metal transfer and protect the implant surface

PRODUCT NO:
5212 *Overall Length: 7.75" (19,7 cm)*

Designed by Khaled M. Sarraf, MD

USA MADE



Scott Uni & Total Knee Cement Removing Curette

Sized, shaped and angled 90° to help with retrieval of posteriorly extruded cement behind the tibial component in both total and unicompartmental knee arthroplasty

Ultra hard titanium nitride coating helps to extend curette life by increasing surface hardness, prolonging sharpness, and resisting chemicals and corrosion, while helping to eliminate metal transfer and protect the implant surface.

PRODUCT NO:
4247 *Overall Length: 9.625" (24,4 cm)* *Overall Length: 5.25" (13,3 cm)* *Cup Size: 4/0*

Designed by Richard D. Scott, MD

USA MADE

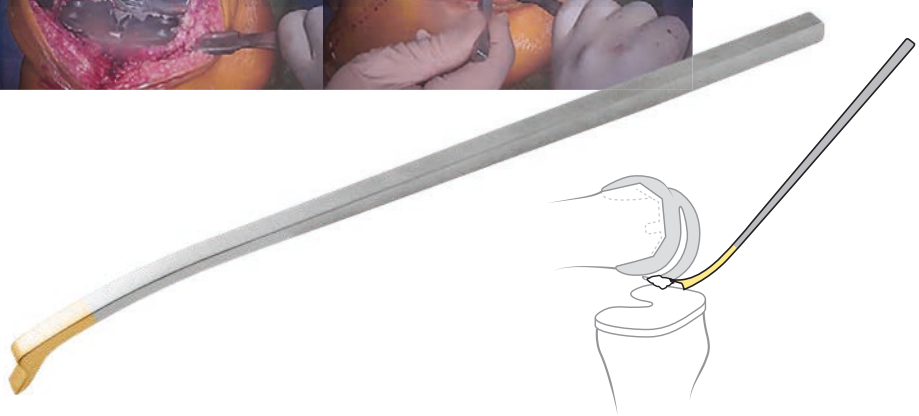
Bacastow Femoral Cement Osteotome

Uniquely shaped osteotome designed to help trim away cement from around a femoral knee component

PRODUCT NO:
5234 *Overall Length: 9.25" (23,5 cm)* *Width: 6,5 mm* *Tongue Length: 7 mm*

USA MADE

Designed by David Bacastow, MD



Seachris Delrin Cement Scraper

Reusable delrin scraper is designed to help remove cement around a knee or hip prosthesis

PRODUCT NO:
5218 *Overall Length: 5" (12,7 cm)* *Thickness: 1/8" (3,1 mm)*

Designed by Timothy Seachris

USA MADE

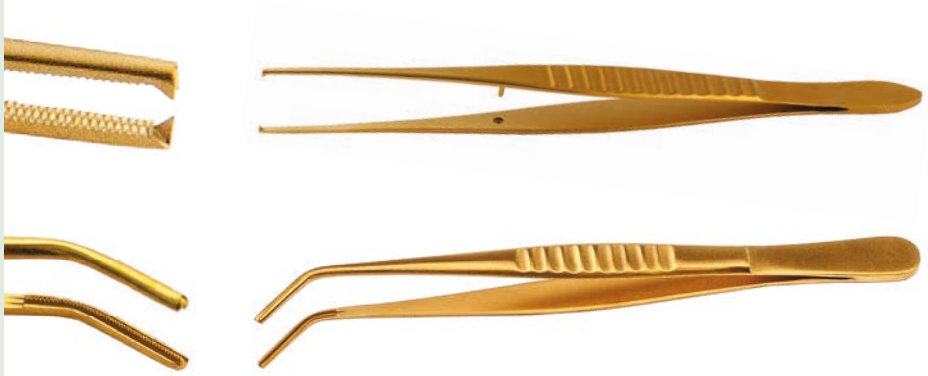
Sarraf TiN Coated Cement Forceps

Ultra hard titanium nitride coating helps to extend forceps life by increasing surface hardness, prolonging sharpness, and resisting chemicals and corrosion, while helping to eliminate metal transfer and protect the implant surface.

PRODUCT NO'S:
5039 [Straight] *Overall Length: 6" (15,2 cm)*
5041 [Angled] *Overall Length: 6.125" (15,6 cm)*

Designed by Khaled M. Sarraf, MD

USA MADE



Nordt Precision Micro Fracture Set

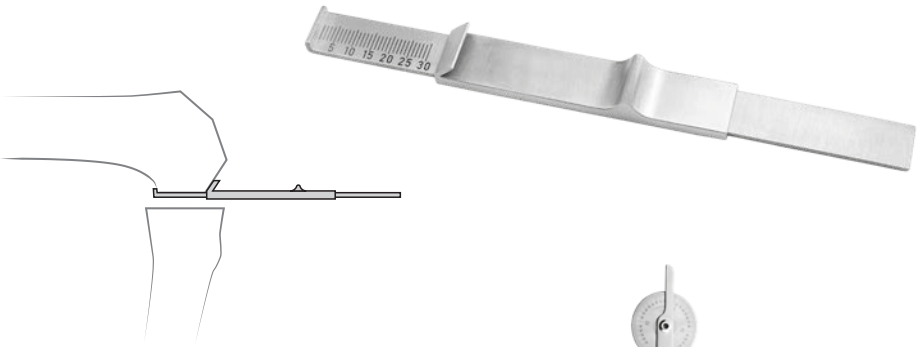
- Helps create sharp cartilage shoulders
- Precise microfracture points

PRODUCT NO'S:
8025-00 [Complete Set w/Case]
Also available individually:
8025-01 [20° Bent Awl] *Overall Length: 10" (25,4 cm)*
8025-02 [40° Bent Awl] *Overall Length: 10" (25,4 cm)*
8025-03 [Angled Osteotome] *Overall Length: 10.875" (27,6 cm)*
8025-04 [Bent Stirrup Scraper] *Overall Length: 10.125" (25,7 cm)*
8025-05 [Tri-Tip Awl] *Overall Length: 10" (25,4 cm)*
8025-CASE [Case]

Designed by William E. Nordt, III, MD

USA MADE

INNOMED



Wilson Condylar Gauge

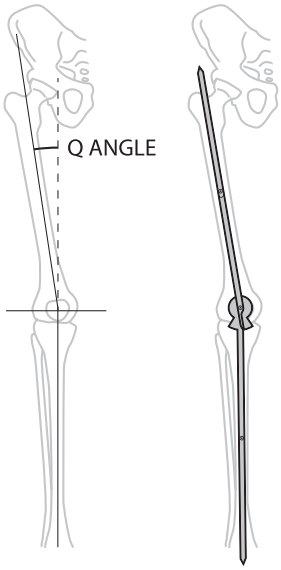
Designed to measure the posterior femoral condyle after the posterior cuts have been made in total knee arthroplasty

By measuring the depth of the residual condyle, the surgeon can resect excessive bone and measure the bone remaining to avoid impingement of the condyle against the tibial component which could impair knee flexion. The gauge is applied to the inferior or posterior cut surface of the femoral condyle, and the back to front residual bone is measured and then removed as needed. Measures to 30 mm.

PRODUCT NO:
1194 *Overall Length: 6" (15,2 cm)* *Width: .568" (14,4 mm)*

Designed by Ralph Wilson, MD

USA MADE



Merchant Surgical Goniometer

Designed to help assess frontal plane limb alignment or measure the Q angle

The extended length can reach from the center of the knee to the femoral head or the anterior superior iliac spine. The collapsable stainless steel device is autoclavable.

PRODUCT NO:
2029 *Overall Length: 41" Fully Extended (104,2 cm)* *22.5" Folded in Half (57,2 cm)* *12" Fully Collapsed (30,5 cm)*

Designed by Alan Merchant, MD

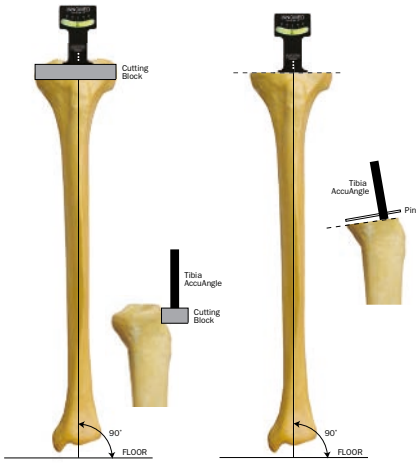
USA MADE

Ortho Caliper

PRODUCT NO:
5285 *Caliper: 0 to 12 cm* *Leg Depth: 2" (5,1 cm)* *Width: 8 mm* *Overall Length: 6" (15,2 cm)* *Length Expands to: 10.5" (26,7 cm)*

Designed by Odell Woods

USA MADE



Tibia AccuAngle

Designed to be placed on the tibia cutting block to check if the cut is level

Magnetic base helps to hold the AccuAngle in place on a cutting block. May also be used on top of the tibia after cut has been made. A pin may be inserted in the holes to provide a visual reference of the cut's slope.

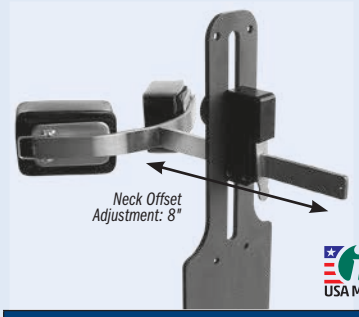
PRODUCT NO:
1145 *Dimensions:* *2"x 3" (5,1 cm x 7,6 cm)*

USA MADE

Nicholson Headrest

Helps provide excellent support when positioning the patient for all types of shoulder surgery in the beachchair position

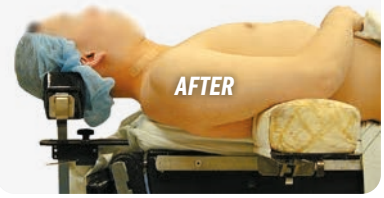
Designed to provide excellent exposure to the shoulder, the headrest can be used with standard OR tables (with no modifications to the table). The headrest provides patient support and helps position the patient for all types of shoulder surgery—arthroscopic and open—in the beachchair position. It can be quickly placed and adjusted.



PRODUCT NO'S:
2450 [Headrest] *Main Plate Dimensions: 6" x 18" (15,2 cm x 45,7 cm)* *Neck Offset Adjustment: 8" (20,3 cm)*
Includes:
2450-S [Strap with gel pad]
4150-PD2 [Set of 2 Small Pads]

Designed by Gregory Nicholson, MD

A gel pad forehead strap with velcro is included for optional use.



The osteotomized coracoid is fixed with the lateral, joint-facing side of the coracoid (where the ligament is) facing the flange of the drill-guide.

Two 3.5 mm guiding holes are drilled.

The drill guide is held against the antero-inferior glenoid, the flange sitting on the cartilage, and the first 2.5 mm thread hole for screw fixation is drilled.

The second 2.5 mm thread hole is drilled parallel to a 2.5 mm pin that has been inserted in the first hole to ensure correct distance and orientation.

The coracoid is now fixated using two 3.5 mm or 4.5 mm screws flush with the cartilage, due to the identical distance between flange and screw holes on coracoid and glenoid.

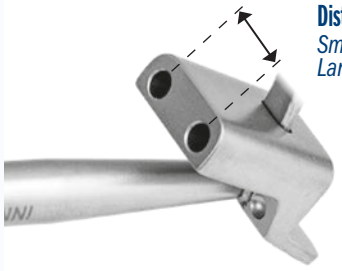
Meyer Latarjet Drill Guide & Forceps Assembly

Aiming device for flushing positioning of a bone block with a joint surface

PRODUCT NO'S:
SMALL SET
5257-00 [Small Set]
Set Includes:
5257-01 [Latarjet Forceps, Small] *Overall Length: 5.875" (14,9 cm)* *Tongue and Clamp Arm Width: .22" (5.6 mm)*
5257-02 [Latarjet Drill Guide, Small] *Overall Length: 8.5" (21,6 cm)* *Drill Hole Diameter: 3.5 mm* *Distance between Drill Holes: .390" (9,9 mm)*
1025 [Case]
LARGE SET
5258-00 [Large Set]
Set Includes:
5258-01 [Latarjet Forceps, Large] *Overall Length: 5.875" (14,9 cm)* *Tongue and Clamp Arm Width: .32" (8.15 mm)*
5258-02 [Latarjet Drill Guide, Large] *Overall Length: 8.5" (21,6 cm)* *Drill Hole Diameter: 3.5 mm* *Distance between Drill Holes: .492" (12,5 mm)*
1025 [Case]

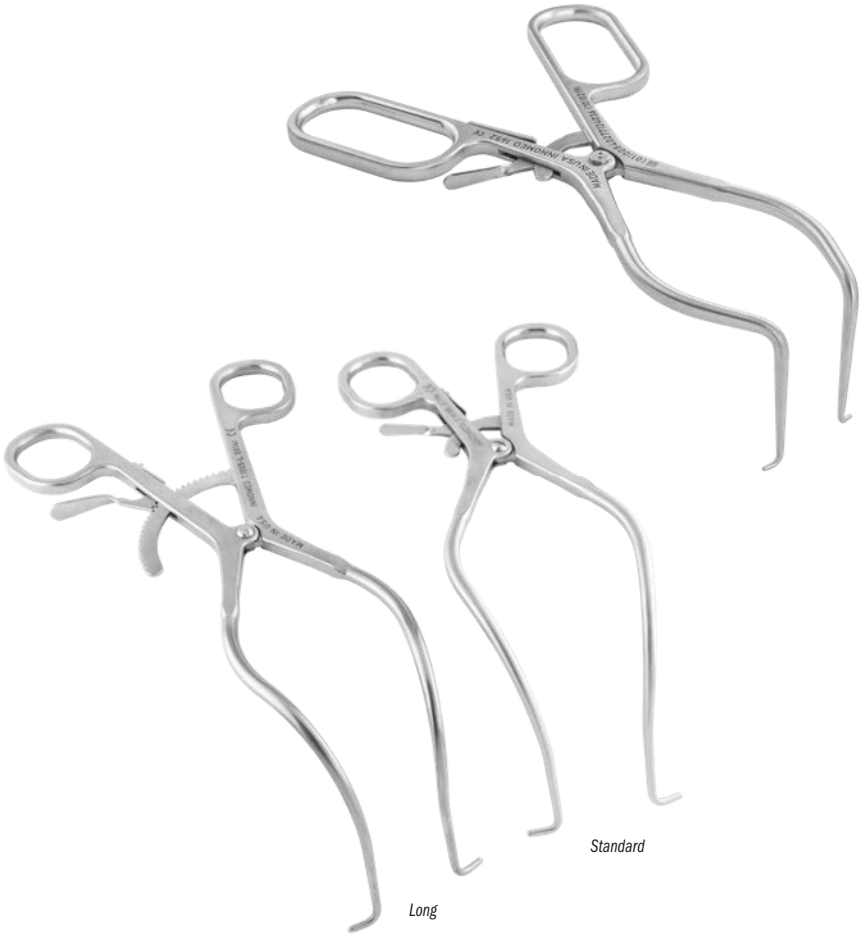
USA MADE

Designed by Professor Dominik Meyer



Distance between Drill Holes:
Small = .390" (9,9 mm)
Large = .492" (12,5 mm)

New!
SMALLER SIZE AVAILABLE



Right Angled Subscapular Spreader – Blunt Tips

Designed to hold the subscapularis muscle open when performing a subscapularis split approach to the glenoid

PRODUCT NO:
1652 *Overall Length: 7.5" (19,1 cm)* *Blade Depth: 2" (5,1 cm)*

Designed by Edward McFarland, MD

USA MADE

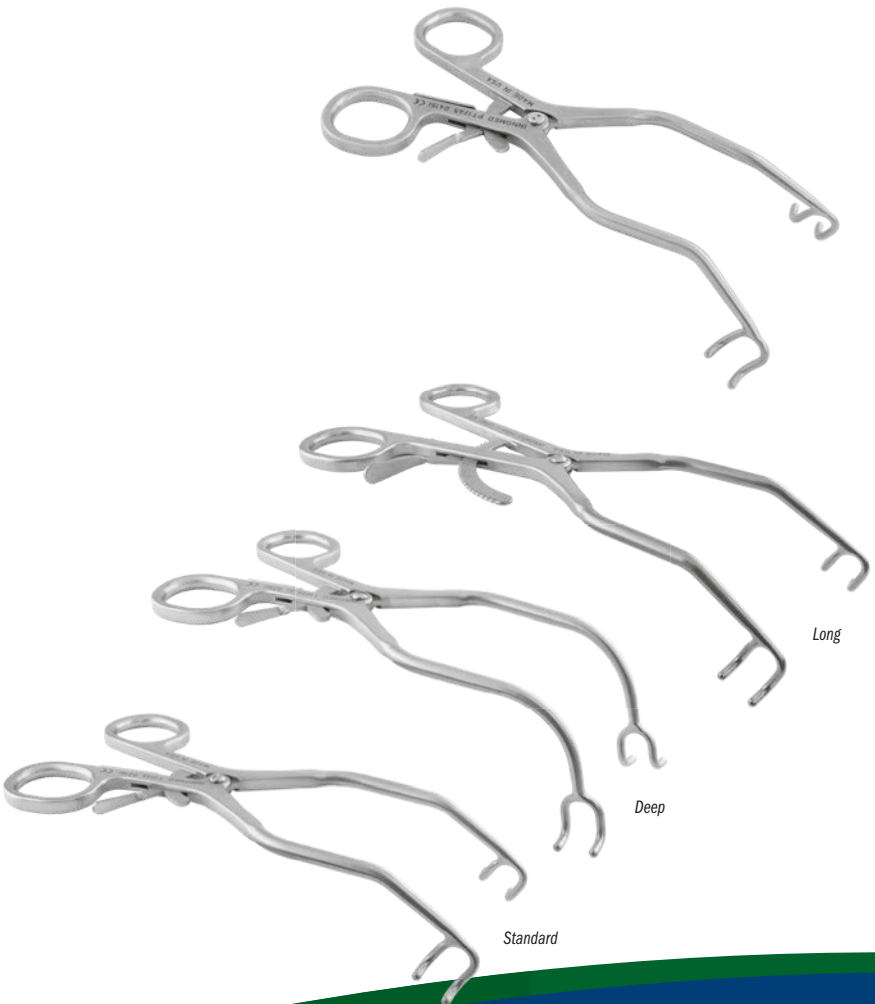
Subscapularis Spreader

Reaches deep to help split the subscapularis in a Jobe approach

Also used for retracting a split deltoid in mini rotator cuff repairs.

PRODUCT NO:
T1005 [Standard] *Overall Length: 8.375" (21,3 cm)*
T1005-L [Long] *Overall Length: 9.25" (23,5 cm)*

USA MADE



Havens Modified Kolbel Soft Tissue Retractor

Designed for retraction on deltoid split incisions on mini-open rotator cuff repairs

Jaws and arms are parallel with no gap when closed to allow easier insertion in tight spaces.

PRODUCT NO:
T1006-02 *Overall Length: 7.5" (19,1 cm)* *Opens To: 4.5" (11,4 cm)* *Prong Depth: 18 mm*

USA MADE

Designed by Philip Havens, MD

Kolbel Soft Tissue Retractors

Helps in the early phase to retract soft tissue comprising of the gleno-humeral joint

Use facilitates the introduction of deeper retractors which are required for sufficient visibility of the glenoid, acromion and rotator cuff.

PRODUCT NO'S:
T1006 [Standard] *Overall Length: 8" (20,3 cm)*
T1006-01 [Deep] *Overall Length: 7.5" (19,1 cm)*
T1006-L [Long] *Overall Length: 8.5" (21,6 cm)*

USA MADE

SHOULDER

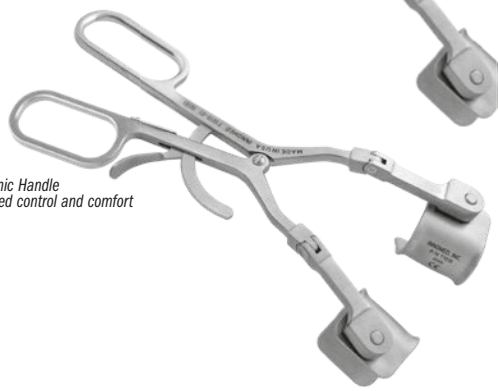
Modified Kolbel Self-Retaining Glenoid Retractor with Hinge

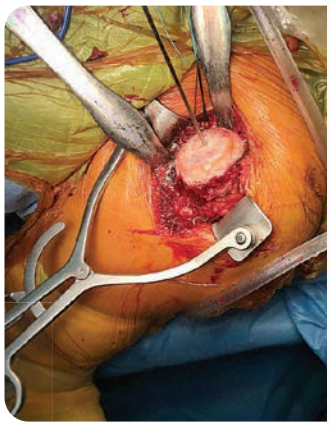
Two pairs of snap-in, freely pivoting blades included.

PRODUCT NO'S:
T1014-01 [Set – Standard Handle]
T1014-01-2F [Set – Ergonomic Handle]
Set Includes:
T1015-01 [Retractor – Standard Handle] *Overall Length: 8.25" (21 cm)* *Length-to-hinge: 6" (15,2 cm)* *Arm Length: 2.25 (5,7 cm)* ***– OR –*** T1015-01-2F [Retractor – Ergonomic Handle] *Overall Length: 9.25" (23,5 cm)* *Length-to-hinge: 7" (17,8 cm)* *Arm Length: 2.25 (5,7 cm)*
T1018-P [Blades–Pair] *36 mm X 36 mm*
T1019-P [Blades–Pair] *36 mm X 53 mm*

Standard Handle

Ergonomic Handle
For added control and comfort





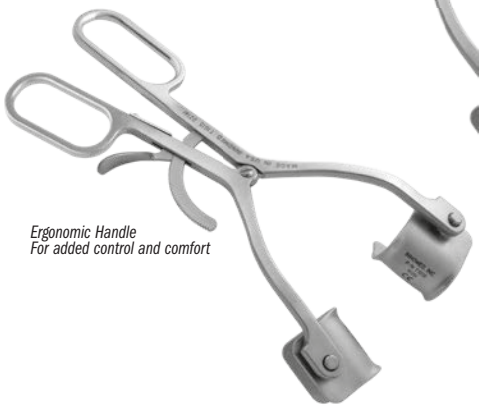
Kolbel Self-Retaining Glenoid Retractor

Two pairs of snap-in, freely pivoting blades included.

PRODUCT NO'S:
T1014 [Set – Standard Handle]
T1014-2F [Set – Ergonomic Handle]
Set Includes:
T1015 [Retractor – Standard Handle] *Overall Length: 8.25" (21 cm)* ***– OR –*** T1015-2F [Retractor – Ergonomic Handle] *Overall Length: 9.25" (23,5 cm)*
T1018-P [Blades–Pair] *36 mm X 36 mm*
T1019-P [Blades–Pair] *36 mm X 53 mm*

Standard Handle

Ergonomic Handle
For added control and comfort



Kolbel Self-Retaining Glenoid Retractor with Center Blade

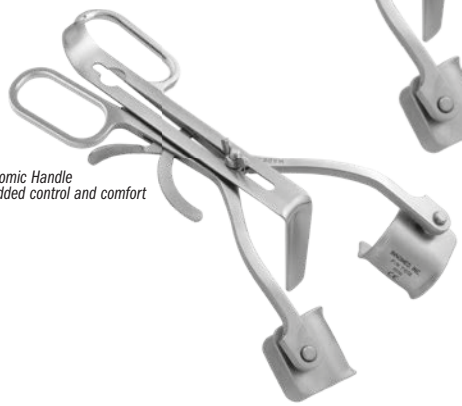
Center blade can be reversed for shallow or deep retraction

Two pairs of snap-in, freely pivoting blades included.

PRODUCT NO'S:
T1050 [Set – Standard Handle]
T1050-2F [Set – Ergonomic Handle]
Set Includes:
T1050-01 [Retractor – Standard Handle] *Overall Length: 8" (20,3 cm)* ***– OR –*** T1050-01-2F [Retractor – Ergonomic Handle] *Overall Length: 9" (22,9 cm)*
T1050-02 [Center Blade] *Length-to-bend: 6.25" (15,9 cm)* *Depth: 2.5" (6,4 cm)*
T1018-P [Blades–Pair] *36 mm X 36 mm*
T1019-P [Blades–Pair] *36 mm X 53 mm*

Standard Handle

Ergonomic Handle
For added control and comfort



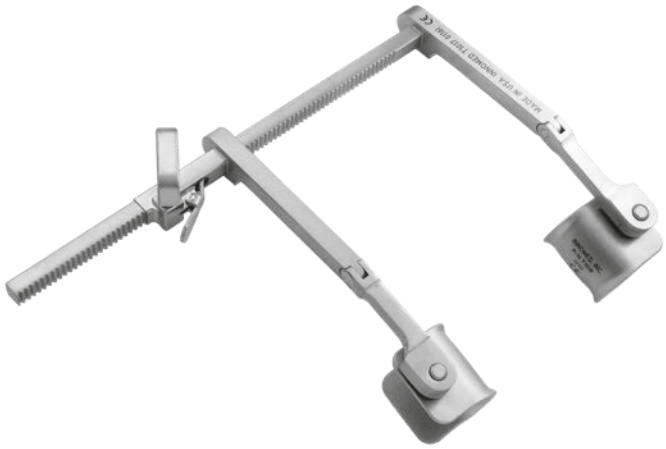
Kolbel Self-Retaining Glenoid Retractor with Hinge and Ergonomic Handle

Designed with longer articulating arms– helpful for use with larger patients

Two pairs of snap-in, freely pivoting blades included.

PRODUCT NO'S:
T1016-01 [Set]
Set Includes:
T1016-01-2F [Retractor] *Overall Length: 10.75" (27,3 cm)* *Length-to-hinge: 7.75" (19,7 cm)* *Arm Length: 3 (7,6 cm)*
T1018-P [Blades–Pair] *36 mm X 36 mm*
T1019-P [Blades–Pair] *36 mm X 53 mm*

USA MADE



Kolbel Self-Retaining Retractor

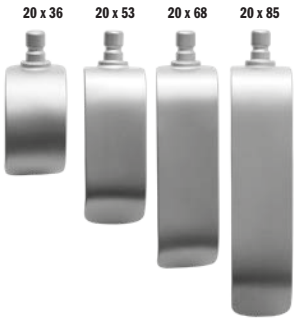
Two pairs of snap-in, freely pivoting blades included.

PRODUCT NO'S:
T1016 [Set]
Set Includes:
T1017 [Retractor] *Overall Length: 8.25" (21 cm)* *Arm Length: 6.125" (15,6 cm)* *Arm Length-to-hinge: 3" (7,6 cm)*
T1018-P [Blades–Pair] *36 mm X 36 mm*
T1019-P [Blades–Pair] *36 mm X 53 mm*

Wide Blades

Radiolucent Blades
Now Available!

Narrow Blades



Kolbel Self-Retaining Retractor Blades

The OrthoLucent™ carbon fiber PEEK blade is strong, lightweight, completely radiolucent, can be steam sterilized, and also helps to prevent from marring component surfaces.

PRODUCT NO'S:
Wide Blades
T1018 [36 x 36 mm]
T1019 [36 x 53 mm]
T1020 [36 x 68 mm]
T1021 [36 x 85 mm]
Radiolucent Blade
T1019-R* [36 x 53 mm]

USA MADE * MADE EXCLUSIVELY FOR INNOMED IN SWITZERLAND

Narrow Blades
T1022 [20 x 36 mm]
T1023 [20 x 53 mm]
T1024 [20 x 68 mm]
T1025 [20 x 85 mm]

Durham Offset Kolbel Shoulder Retractor Set

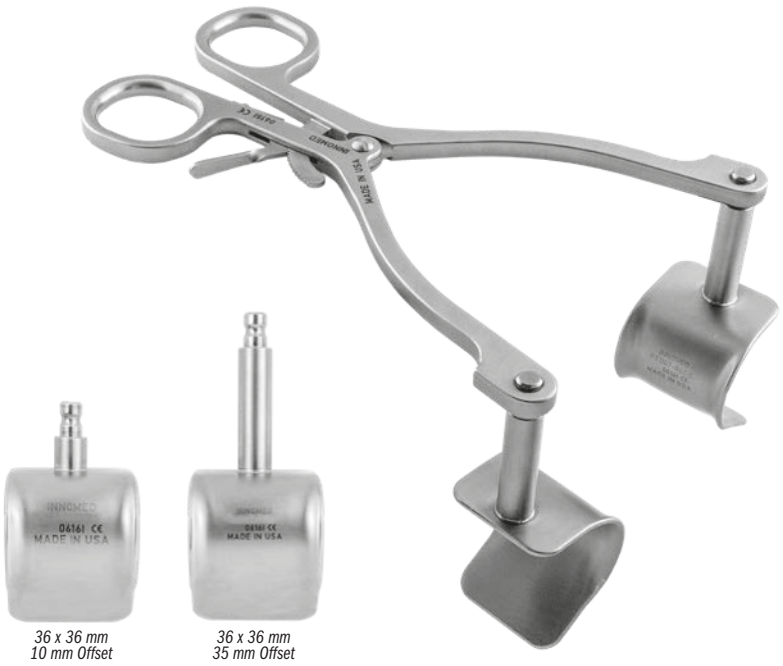
Designed for retraction of the deltoid and under the short head of the biceps muscle to expose the shoulder, the longer offset blades are useful in patients with large muscles, and the shorter offset blades are useful in smaller elderly patients

Snap-in, freely pivoting smooth curved blades help to concentrate the forces on the center of the muscle bellies, allowing the retractor to remain centered and not get in the way of exposure.

PRODUCT NO'S:
T1030 [Set] ***Set includes: (1) T1030-01, (2) T1030-L, (2) T1030-S***
Also available individually:
T1030-01 [Retractor Handle] *Overall Length: 7" (17,8 cm)*
T1030-L [Long Offset Blade] ***(2) included in set, (1) only with this product number*** *Offset Length: 35 mm* *Blade Dimensions: 36 x 36 mm*
T1030-S [Short Offset Blade] ***(2) included in set, (1) only with this product number*** *Offset Length: 10 mm* *Blade Dimensions: 36 x 36 mm*

Designed by Alfred A. Durham, MD

USA MADE



36 x 36 mm
10 mm Offset

36 x 36 mm
35 mm Offset

Durham Offset Zelpi Retractor

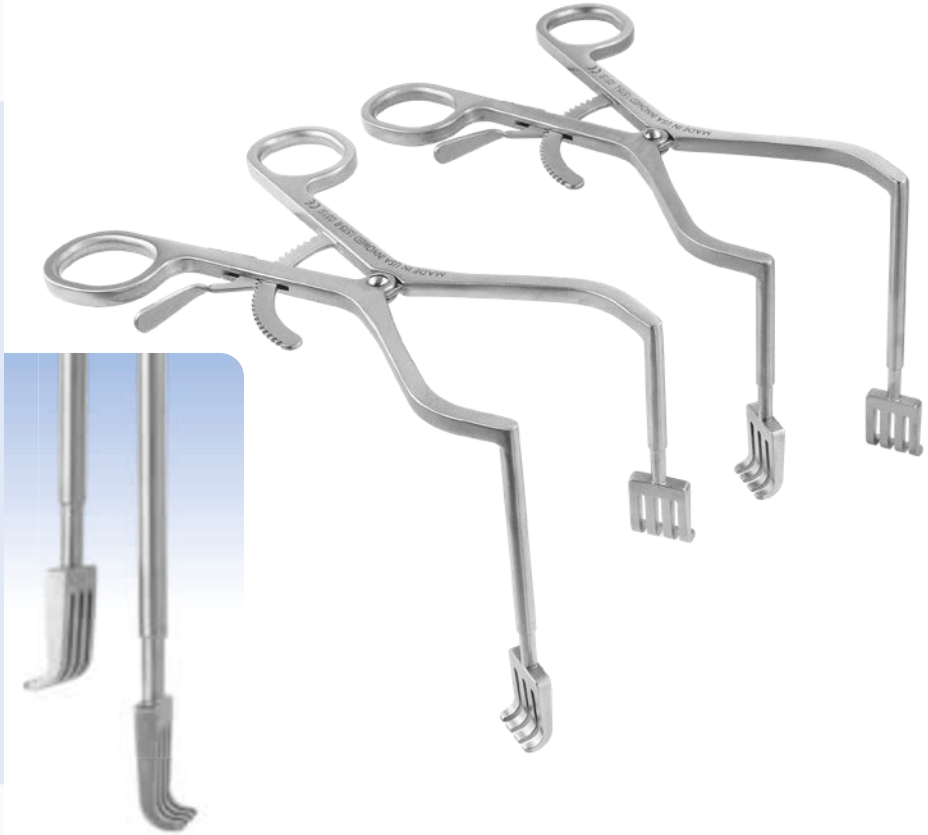
Staggered depth retractor designed for exposure during total hip and total shoulder surgery

- In hip surgery, with the handle towards the surgeon, the longer leg is on the inside.
- In shoulder surgery, with the handle downward, the longer leg is on the ouside.
- The longer leg extends 1.1" (2,8 cm) deeper.

PRODUCT NO'S:
1573-L [Left] *Overall Length: 8.5" (21,6 cm)* *Leg Depths: 3.1" & 4.2" (7,9 cm & 10,7 cm)*
1573-R [Right] *Overall Length: 8.5" (21,6 cm)* *Leg Depths: 3.1" & 4.2" (7,9 cm & 10,7 cm)*

Designed by Alfred Durham, MD

USA MADE



Hendren Self-Retaining Retractor

Gentle on tissue and very effective in holding back subcutaneous fat

Also useful for retracting the deltoid muscle firmly.

PRODUCT NO:
1745 *Overall Length: 5.5" (14 cm)* *Blade Size: 18 mm x 13 mm*

Designed by D.H. Hendren, MD

MADE EXCLUSIVELY FOR INNOMED IN GERMANY

INNOMED

Bacastow Shoulder Capsular Retractor

Designed to help place tension on the inferior capsule for improved visualization and dissection when performing anatomic or reverse shoulder replacement

Rotating arms allow left or right use.

PRODUCT NO:
5185 *Overall Length: 8" (20,3 cm)* *Length to Pivot: 5.75" (14,6 cm)* *Small Blade Depth: 1" (2,54 cm)* *Wide Blade Depth: 2" (5,1 cm)*

Designed by David Bacastow, MD

USA MADE

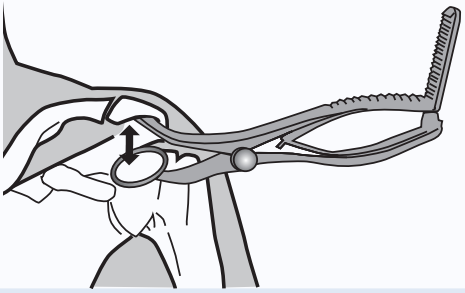
Gerber Sub-Acromion Spreaders

Designed to gain optimal access to the subacromion space

MADE EXCLUSIVELY FOR INNOMED IN GERMANY

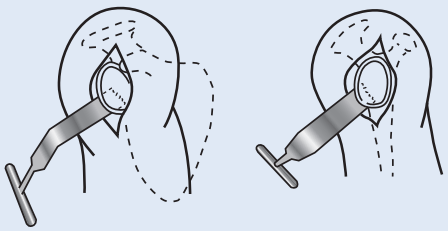
Designed to gain optimal access to the subacromion space by distracting inferiorly the humeral head from the acromion.

PRODUCT NO'S:	
Standard	***Modified***
1640-01 [Right] *Blade Length: 19 mm* *Inside Ring Dia.: 32 mm* *Overall Length: 7" (17,8 cm)*	1641-01 [Right] *Blade Length: 34 mm* *Inside Ring Dia.: 25 mm* *Overall Length: 7" (17,8 cm)*
1640-02 [Left] *Blade Length: 19 mm* *Inside Ring Dia.: 32 mm* *Overall Length: 7" (17,8 cm)*	1641-02 [Left] *Blade Length: 34 mm* *Inside Ring Dia.: 25 mm* *Overall Length: 7" (17,8 cm)*



Agrawal Talon Retractor

Designed to help facilitate glenoid exposure in total shoulder arthroplasty



PRODUCT NO:
4695 *Overall Length: 7.875" (20 cm)* *Blade Width: 41 mm*

Designed by Vivek Agrawal, MD

USA MADE

SHOULDER

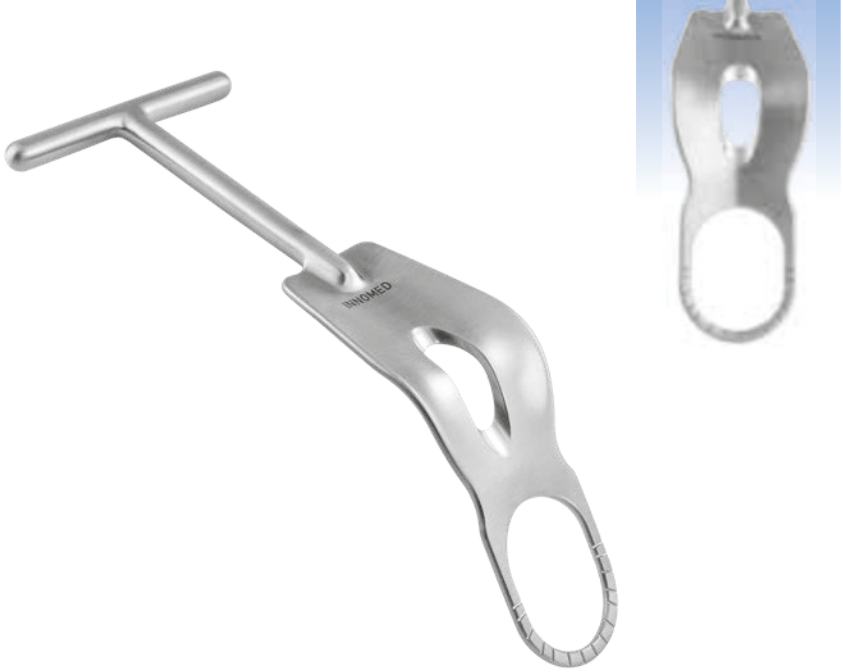
Modified Winged Fukuda Retractor

Designed with flared edges for less pressure on soft tissues

PRODUCT NO:
1896 *Overall Length: 7.5 (19,1 cm)* *Blade Width: 36 mm* *Opening: 29 x 40 mm*

Designed by Scot Rheinecker, PA

USA MADE



Modified Fukuda-type Retractor with Reamer Slot

Center cutout slot allows the shaft of a reamer to fit more posteriorly

Used to retract the humeral shaft posteriorly and help expose the entire glenoid surface.

PRODUCT NO'S:
1898 [Narrow] *Overall Length: 7.25" (18,4 cm)* *Blade Width: 32 mm* *Opening: 25 x 40 mm*
1899 [Wide] *Overall Length: 7.25" (18,4 cm)* *Blade Width: 38 mm* *Opening: 32 x 40 mm*

Designed by Richard J. Miller, MD

USA MADE

Half Ring Fukuda-type Retractor

Modified fukuda designed to improve glenoid access and labral removal during arthroplasty

Can be shifted medial-lateral or superior-inferior to facilitate posterior labral removal and relieve reamer impingement.

PRODUCT NO:
5168 *Overall Length: 7.25" (18,4 cm)* *Blade Width: 1.25" (32,5 cm)* *Blade End Gap: .675" (17,1 cm)*

Designed by Brett Sanders, MD

USA MADE

INNOMED

Disposable LED Light Source

PRODUCT NO'S:
PACKAGE OF 1:
8010-01 [Disposable LED Light Source] *Overall Length: 2.5" (6,4 cm)* *Diameter: 1" (2,54 cm)*
PACKAGE OF 10:
8010-10 [Disposable LED Light Source]

Light Source Cable Adapters

USA MADE

PRODUCT NO'S:
8009-S [ACMI to Storz Adapter]
8009-W [ACMI to Wolf Adapter]

Lighted Fukuda-type Retractors

Used to retract the humeral shaft posteriorly and helping to expose the entire glenoid surface, the lighting attachment helps provide enhanced visual exposure

Comes with one (1) Disposable LED Light Source (#8010-01). Can also be attached to a fiber optic light cable with ACMI (female) connector. Retractors can be steam sterilized.

PRODUCT NO'S:
1930-L-01 [Lighted Narrow] *Blade Width: 32 mm* *Opening: 25 x 40 mm* *Overall Length: 8.75" (22,2 cm)*
1940-L-01 [Lighted Wide] *Blade Width: 38 mm* *Opening: 32 x 40 mm* *Overall Length: 8.75" (22,2 cm)*

Designed by Evan Flatow, MD & Louis Bigliani, MD

USA MADE

Evans Modified Fukuda-type Retractors

Designed to retract the humeral shaft posteriorly, helping to expose the glenoid surface

Center groove allows a reamer shaft to fit more posteriorly.

PRODUCT NO'S:
5180-N [Narrow] *Overall Length: 8.625" (21,9 cm)* *Blade Width: 1" (25,4 mm)* *Blade Depth: 3.75" (9,5 cm)*
5180-W [Wide] *Overall Length: 8.625" (21,9 cm)* *Blade Width: 1.25" (31,7 mm)* *Blade Depth: 3.75" (9,5 cm)*

Designed by Peter J. Evans, MD

USA MADE

Modified Fukuda-type Retractors

Used to retract the humeral shaft posteriorly and helping to expose the entire glenoid surface

PRODUCT NO'S:
1930 [Narrow] *Blade Width: 32 mm* *Opening: 25 x 40 mm* *Overall Length: 7.25" (18,4 cm)*
1940 [Wide] *Blade Width: 38 mm* *Opening: 32 x 40 mm* *Overall Length: 7.25" (18,4 cm)*

Designed by Evan Flatow, MD & Louis Bigliani, MD

USA MADE

Humeral Head Depressor

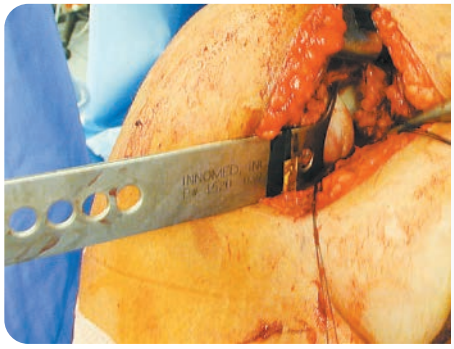
Used to help expose the glenoid fossa

Placed over the humeral head and hooked around the posterior lip of the glenoid rim, to expose the glenoid fossa for total shoulder reconstruction and reconstructive stabilization procedures done through a standard delto-pectoral approach.

PRODUCT NO:
1520 *Overall Length: 8" (20,3 cm)*

USA MADE

Designed by William J. Mallon, MD



Bolanos Shoulder Retractor

Designed for mini-open rotator cuff repairs and shoulder arthroplasty, the contour matches the humeral head and the rounded edge helps avoid trauma to surrounding musculature

Depth matches girth of most patients, while the comfortable handle makes it easier for assistants to hold.

PRODUCT NO:
3222 *Overall Length: 7.5" (19,1 cm)* *Blade Width at Widest: 1" (2,54 cm)*

Designed by Alberto Bolanos, MD

USA MADE

Chandler Retractors

Used for retracting tissue away from the bone

Allows the surgeon to retract soft tissue away from bone, and can be used for hip and knee surgery. The handle is contoured away from the field of view and working area. Available in three blade sizes: 5/8", 3/4" and 1".

The OrthoLucent™ version is made of a strong, lightweight carbon fiber PEEK composite material, which is completely radiolucent, helps to prevent from marring component surfaces, and can be steam sterilized.

PRODUCT NO'S:
3220-01 [5/8" (16 mm)] *Overall Length: 9.125" (23,5 cm)* *Blade Width: 16 mm*
3220-02 [3/4" (19 mm)] *Overall Length: 9.125" (23,5 cm)* *Blade Width: 19 mm*
3220-04 [1" (25,4 mm)] *Overall Length: 9.125" (23,5 cm)* *Blade Width: 25.4 mm*
3220-02R [OrthoLucent™ 3/4" (19 mm)] *Overall Length: 9.125" (23,5 cm)* *Blade Width: 19 mm*

USA MADE

* MADE EXCLUSIVELY FOR INNOMED IN SWITZERLAND

Evans Reverse Hohmann Retractor

Designed for total shoulder arthroplasty and open rotator cuff procedures

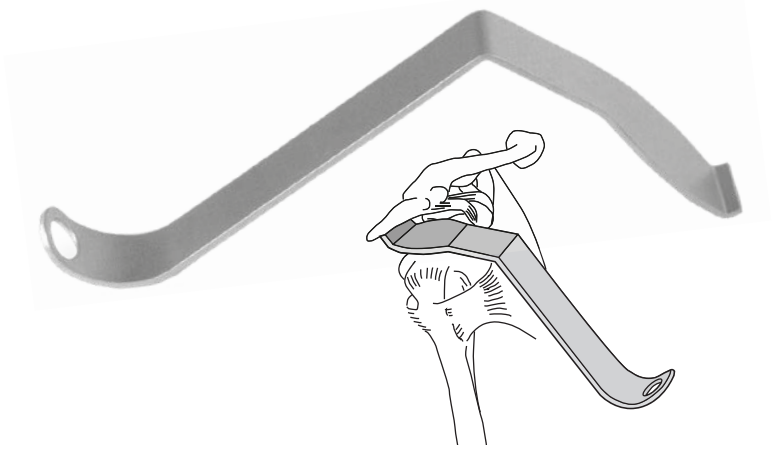
Smaller size useful for retracting the deltoid muscle and other structures.

PRODUCT NO:
4547 *Blade Width: Tapers from 30 mm to 18 mm* *Blade Depth: 3" (7,6 cm)* *Prong Width: 6 mm* *Overall Length: 8.5" (21,6 cm)*

Designed by Peter J. Evans, MD

USA MADE

INNOMED



Kirschenbaum Acromioplasty Retractor

Helps to protect both the posterior aspect of the shoulder and the articular surface of the humeral head during open acromioplasty and rotator cuff surgery

Designed to fit under the posterior edge of the acromion and lever the humeral head down out of the way.

PRODUCT NO:
5840 *Overall Length: 9.25" (23,5 cm)* *Blade Width at Tip: 21 mm*

Designed by Ira Kirschenbaum, MD

USA MADE

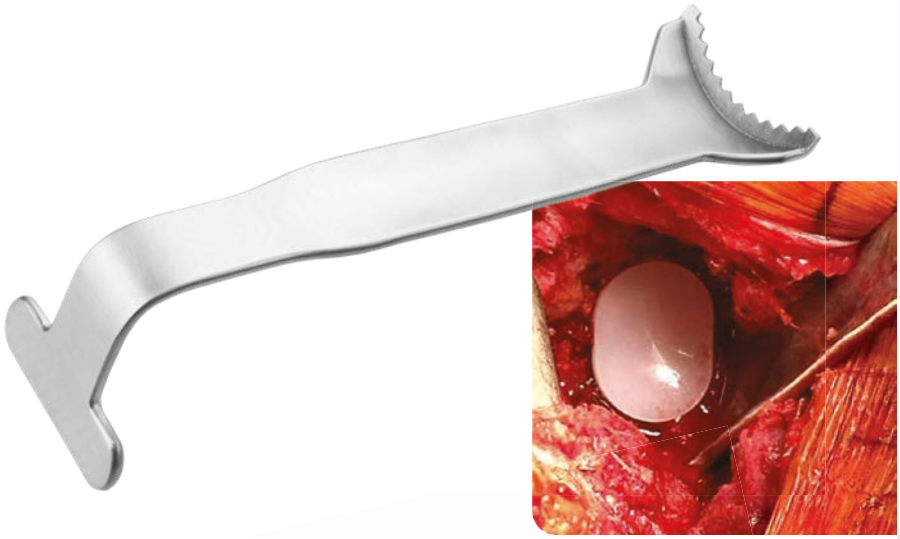
Levy Anterior Glenoid Retractor

Designed to help alleviate tension on anterior glenoid structures and the handle is designed to optionally be clamped to the drape

PRODUCT NO:
4536 *Overall Length: 10.5" (26,7 cm)* *Depth from Bend: 5.875" (14,9 cm)* *Blade Width: .75" (1,9 cm)* *Tooth Gap: .325" (8,2 mm)*

Designed by Jonathan Levy, MD

USA MADE



George Semi-Circumferential Glenoid Retractor

Designed to depress the humeral head and retract tissue away from the posterior half of the glenoid, helping to improve exposure for the preparation and placement of the glenoid component in total shoulder arthroplasty

PRODUCT NO:
2435 *Overall Length: 8" (20,3 cm)* *Blade Width: 2.125" (5,4 cm)*

Designed by Michael S. George, MD

USA MADE

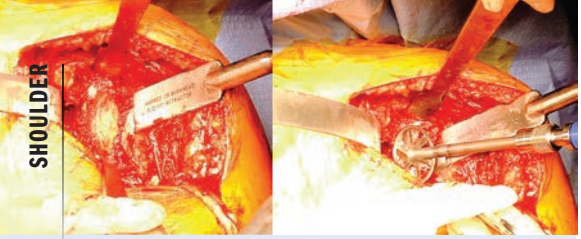
Acromioplasty Retractor

Designed to retract and protect the humeral head during resection of the inferior acromial surface

The two prongs hook the posterior aspect of the acromion for retraction. The file is used to smooth rough edges of the acromion post-resection.

PRODUCT NO:
S3008 *Overall Length: 9" (22,9 cm)* *Blade Width: 18 mm*

USA MADE



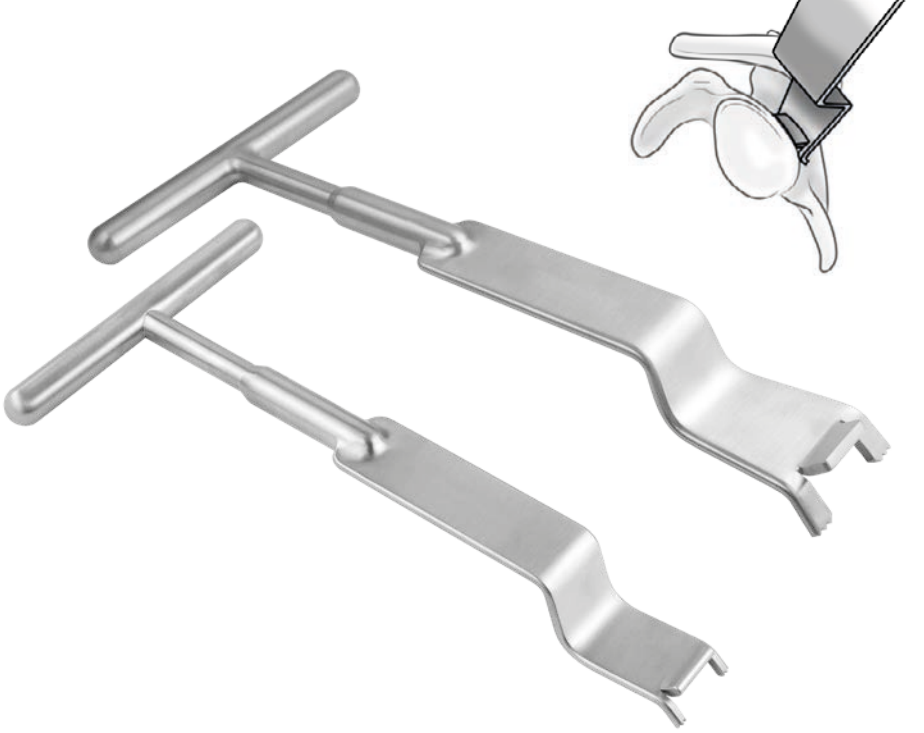
Burkhead Glenoid Retractor

The retractor bar presses against the glenoid while the end of the retractor puts pressure on the posterior capsule

PRODUCT NO'S:
5839 [Large] *Overall Length: 9.125" (23,2 cm)* *Blade Width at End: 1.5" (3,8 cm)*
5839-SM [Small] *Overall Length: 8.75" (22,2 cm)* *Blade Width at End: 1" (2,54 cm)*

Designed by Wayne Burkhead, MD

USA MADE



Burkhead Reversible TSA/RSA Retractor

Unique shape, angles and double pronged end serves to push the posterior capsule, and the humerus, away from the glenoid to allow preparation of the glenoid and implantation of component(s) without having to remove the retractor

PRODUCT NO:
5839-01 *Overall Length: 9.125" (23,2 cm)* *Blade Width at End: 1.5" (3,8 cm)*

Designed by Wayne "Buzz" Burkhead, Jr, MD

USA MADE

Bacastow Glenoid Retractors

Designed for glenoid exposure, particularly for reverse shoulder replacement applications, where it is important to get inferiorly

Allows visualization and direct access to the glenesphere base plate through a deltopectoral incision with intact pectoralis major insertion.

PRODUCT NO'S:
1897-L [Left] *Overall Length: 11.75" (29,8 cm)*
1897-R [Right] *Overall Length: 11.75" (29,8 cm)*

Designed by David Bacastow, MD

USA MADE

INNOMED

Modified Thin Glenoid Retractor–Narrow & Wide

Right Angle Hohmann Retractor

Modified Fukuda Retractor

Brown Deltoid/Richardson Retractor–Large & Small

Modified Darrach Retractor, Straight–Narrow & Wide

Modified Darrach Retractor, Bent–Narrow & Wide

Soft Tissue Shoulder Retractor

Glenoid Access Retractor

New!

Shoulder Surgery Retractor System

System includes two of each size of the Modified Thin Glenoid Retractors, and one of each of the other retractors.

PRODUCT NO'S:
1251-00 [Complete System]
Included in Set/Available individually:
1252-N [Modified Thin Glenoid Retractor–Narrow] *Two included in set; one with this product number* *Overall Length: 11.875" (30,2 cm)* *Blade Width: 15 mm*
1252-W [Modified Thin Glenoid Retractor–Wide] *Two included in set; one with this product number* *Overall Length: 11.875" (30,2 cm)* *Blade Width: 23 mm*
1253 [Right Angle Hohmann Retractor] *Overall Length: 8.125" (20,6 cm)* *Depth from Bend: 4.25" (10,8 cm)* *Blade Width: 16 mm*
1254 [Modified Fukuda Retractor] *Overall Length: 8.625" (21,9 cm)* *Depth: 2.75" (7 cm)* *Blade Width: 39 mm*
1255-L [Brown Deltoid/Richardson Retractor–Large] *Overall Length: 10.5" (26,7 cm)* *Depth: 2.5" (6,4 cm)* *Blade Width: 60 mm*
1255-S [Brown Deltoid/Richardson Retractor–Small] *Overall Length: 10.5" (26,7 cm)* *Depth: 2.5" (6,4 cm)* *Blade Width: 44 mm*
1256 [Modified Darrach Retractor, Straight–Narrow] *Overall Length: 10.25" (26 cm)* *Blade Width: 12,7 mm*
1257 [Modified Darrach Retractor, Straight–Wide] *Overall Length: 10.25" (26 cm)* *Blade Width: 19 mm*
1258 [Modified Darrach Retractor, Bent–Narrow] *Overall Length: 10.75" (27,3 cm)* *Blade Width: 12,7 mm*
1259 [Modified Darrach Retractor, Bent–Wide] *Overall Length: 10.75" (27,3 cm)* *Blade Width: 19 mm*
1260 [Soft Tissue Shoulder Retractor] *Overall Length: 10" (25,4 cm)* *Depth from Bend: 3" (7,6 cm)* *Blade Width: 19 mm*
1261 [Glenoid Access Retractor] *Overall Length: 13.5" (34,3 cm)* *Access Hole Internal Diameter: 36 mm X 30 mm* *Depth of Prongs: 8.5 mm*

New!

Developed in collaboration with Mayo Clinic.

USA MADE

Gunther Glenoid Retractor

Ergonomic design helps to retract the humeral head posteriorly during glenoid exposure while avoiding reamer contact during shoulder replacement surgery

PRODUCT NO:
1999 *Overall Length: 11" (27,9 cm)* *Neck Width: .625" (15,9 mm)* *Prong Outside Width: 1" (25,4 mm)* *Prong Inside Width: .625" (15,9 mm)*

Designed by
Stephen B. Gunther, MD

USA MADE

Modified Darrach-type Bent Elevator

Designed for difficult glenoid exposure, the elevator is placed around the posterior glenoid rim, retracting the cut humeral surface

PRODUCT NO:
1966 *Overall Length: 10" (25,4 cm)* *Blade Depth: 5" (12,7 cm)* *Blade Width: 1" (2,54 cm)*

Designed modification by R.L. Stowell, MD
of original design by Evan Flatow, MD

USA MADE

Glenosphere Component Retractor

Designed for use in total and reverse shoulder arthroplasty

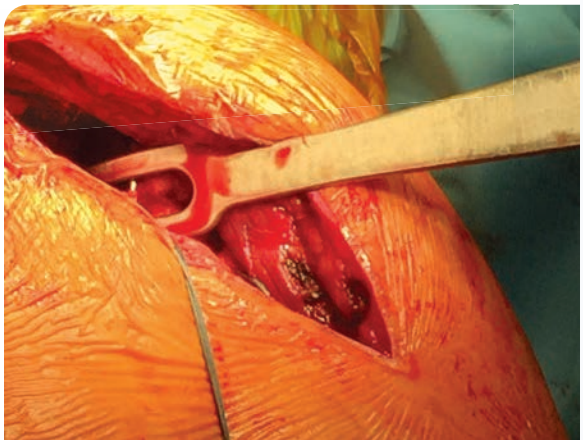
Coated version helps to protect component surfaces.

PRODUCT NO:
5841 [Coated End] *Overall Length: 10.25" (26,7 cm)* *Blade Width: .9375" (2,4 cm)*
5841-01 [Uncoated End] *Overall Length: 10.25" (26,7 cm)* *Blade Width: .9375" (2,4 cm)*

Designed by Tim Seachris

USA MADE

New!



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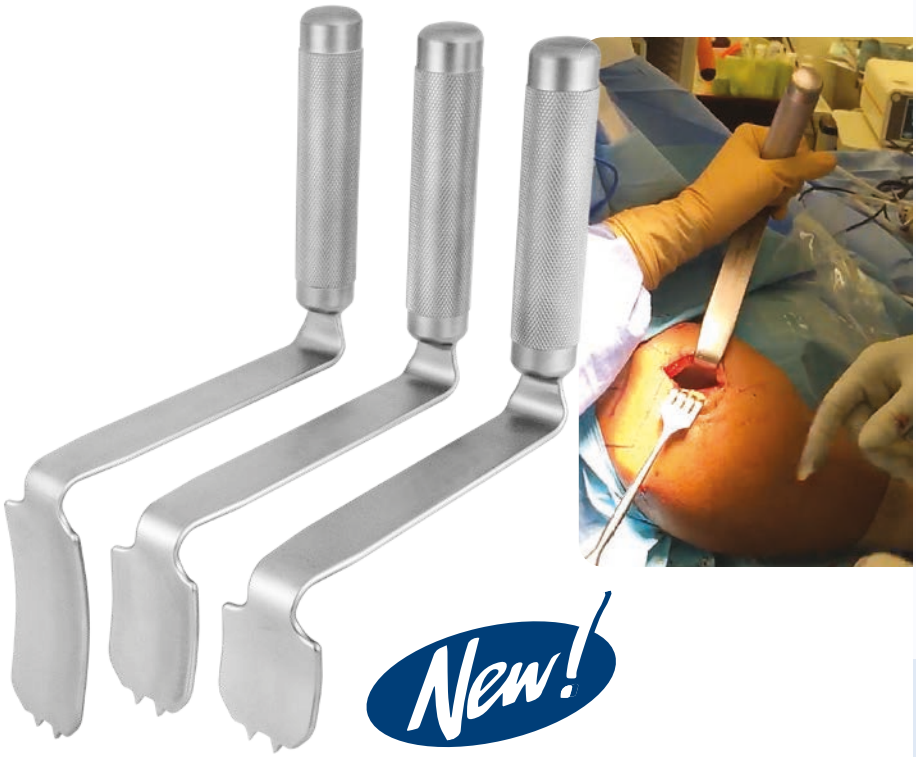


New!

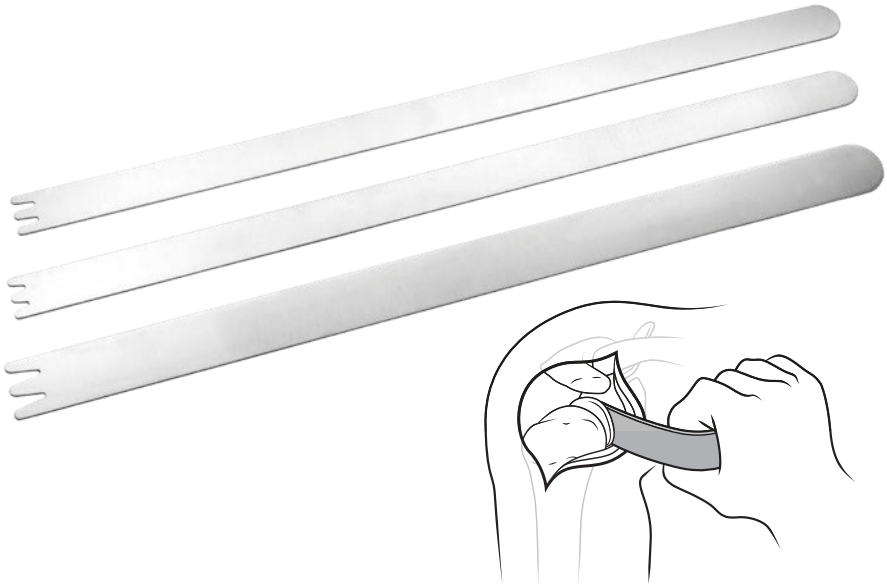
Weatherly Mini-Deltoid Retractors

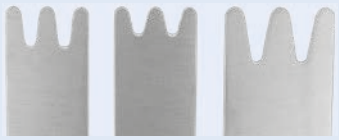
Designed for the retraction of the deltoid in a mini-open mid-deltoid splitting approach to rotator cuff surgery, the offset handle helps allow clear visualization of the surgical field, and the ergonomic non-slip handle surface helps prevent fatigue in the operative team

PRODUCT NO'S:
5110-L [Large] *Overall Length: 12.75" (32,4 cm)* *Depth from Bend: 4.5" (11,4 cm)* *Blade Dimensions: 40 mm x 90 mm*
5110-M [Medium] *Overall Length: 11" (27,9 cm)* *Depth from Bend: 3" (7,6 cm)* *Blade Dimensions: 40 mm x 55 mm*
5110-S [Small] *Overall Length: 10.5" (26,7 cm)* *Depth from Bend: 2.5" (6,4 cm)* *Blade Dimensions: 40 mm x 40 mm*

Designed by Wallace Weatherly, MD

USA MADE





McFarland Malleable Shoulder Retractors

Designed to enhance exposure in shoulder procedures

PRODUCT NO'S:
4537-00 [Set of Three Sizes]
Also available individually:
4537-01 [Narrow Deep] *Overall Length: 15.5" (39,4 cm)* *Prong Depth: 10 mm*
4537-02 [Narrow Shallow] *Overall Length: 15.5" (39,4 cm)* *Prong Depth: 6.8 mm*
4537-03 [Wide] *Overall Length: 15.5" (39,4 cm)* *Prong Depth: 13.5 mm*

Designed by Edward McFarland, MD

USA MADE

Capsule Retractors

Designed for use in Bankart surgery

The single prong retractor is commonly used when retracting on the inferior rim of the glenoid. The two and three-prong retractors are designed to be placed medially along the scapular neck to retract the anterior capsule and labrium.

PRODUCT NO'S:
T1008-01 [3 Prongs] *Overall Length: 10" (25,4 cm)* *Prong Length: 30 mm*
T1008 [2 Prongs] *Overall Length: 10" (25,4 cm)* *Prong Length: 30 mm*
T1009 [1 Prong] *Overall Length: 10" (25,4 cm)* *Prong Length: 30 mm*

USA MADE

Shoulder Instruments

USA MADE

PRODUCT NO:
1900 [Complete Set]

Designed by Evan Flatow, MD & Louis Bigliani, MD

Thin Glenoid Retractors

Used for retraction of the anterior and posterior aspects of the anterior and posterior glenoid rim.

PRODUCT NO'S:	
1910 [Narrow] *Blade Width: 14 mm* *Overall Length: 11" (27,9 cm)*	1920 [Wide] *Blade Width: 22 mm* *Overall Length: 11" (27,9 cm)*

Modified Darrach-type Elevators

Used for soft tissue retraction and exposure. May also be used to lever the humeral head inferiorly or superiorly and medially to expose the humeral head from the glenoid while dislocating the humeral head after subcapularis removal. May also be used to retract the humeral shaft posteriorly to help expose the glenoid.

PRODUCT NO'S:	
1950 [3/8" (10 mm)] *Blade Width: 10 mm* *Overall Length: 10.75" (27,3 cm)*	1960 [3/4" (19 mm)] *Blade Width: 19 mm* *Overall Length: 10.75" (27,3 cm)*
1955 [1/2" (13 mm)] *Blade Width: 12 mm* *Overall Length: 10.75" (27,3 cm)*	1965 [1.0" (25 mm)] *Blade Width: 25 mm* *Overall Length: 10.75" (27,3 cm)*

Spiked Darrach-type Elevator

The spiked elevator is used slightly below the anterior rim of the glenoid to help retract the labrum and anterior capsule.

PRODUCT NO:
1970 [Narrow] *Blade Width: 19 mm* *Overall Length: 10.75" (27,3 cm)*

Posterior Glenoid Elevators

Used to help expose the posterior aspect of the glenoid. The curved tip allows the elevator to fit on the posterior rim of the glenoid. The curve in the elevator contours to the humeral shaft for posterior retraction.

PRODUCT NO'S:	
1980 [3/8" (10 mm)] *Blade Width: 10 mm* *Overall Length: 11" (27,9 cm)*	
1985 [1/2" (13 mm)] *Blade Width: 12 mm* *Overall Length: 11" (27,9 cm)*	1990 [3/4" (19 mm)] *Blade Width: 19 mm* *Overall Length: 11" (27,9 cm)*

Modified Fukuda-type Retractors

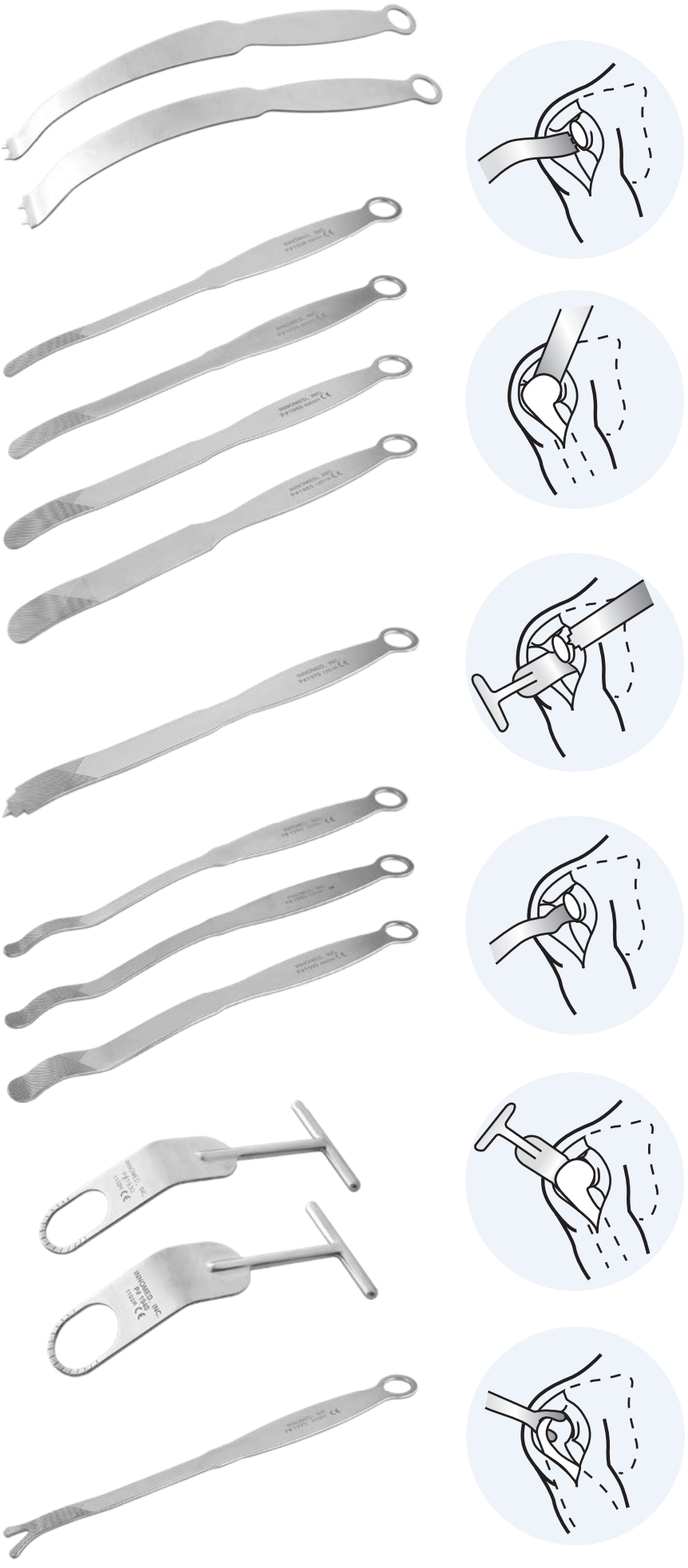
Used to retract the humeral shaft posteriorly and helping to expose the entire glenoid surface.

PRODUCT NO'S:	
1930 [Narrow] *Blade Width: 32 mm* *Opening: 25 x 40 mm* *Overall Length: 7.25" (18,4 cm)*	1940 [Wide] *Blade Width: 38 mm* *Opening: 32 x 40 mm* *Overall Length: 7.25" (18,4 cm)*

Bicep Elevator

Used to help retract the biceps tendon superiorly. The two extensions allow the long head of the biceps to fit between them. The edges fit on the superior portion of the glenoid rim.

PRODUCT NO:
1975 *Blade Width: 25 mm* *Overall Length: 10.75" (27,3 cm)*



Deltoid Retractor

Fits easily under the acromion, deltoid and over the humeral head

- Used in most open procedures

PRODUCT NO:
T1001 *Width: 30 mm* *Overall Length: 8" (20,3 cm)*

USA MADE

Posterior Glenoid Neck Retractor

Used during osteotomy of the humeral head and approaches to the glenoid

- Designed to allow one finger retraction
- Contours to allow teeth to fit behind the glenoid, retracting tissue for easy access to the glenoid

PRODUCT NO:
T1002 *Width: 30 mm* *Overall Length: 10" (25,4 cm)*

USA MADE

Anterior Glenoid Neck Retractor

Teeth are specifically designed to retract the subscapularis and capsule medially during a Bankart procedure

- The wide midsection retracts the soft tissue during anterior glenoid work
- The curved handle allows the assistant to use minimal pressure to achieve exposure

PRODUCT NO:
T1003 *Width: 25 mm* *Overall Length: 11" (27,9 cm)*

USA MADE

Goldstein Glenoid Neck Retractor

Placed along the glenoid rim during open Bankart procedure to allow excellent exposure

- The convex teeth sit easily into the glenoid rim while the strong end of the shaft allows the instrument to stay out of the surgeon's view

PRODUCT NO:
T1004 *Blade Width at Teeth: 18 mm* *Blade Width at Widest: 36 mm* *Overall Length: 8.5" (21,6 cm)*

USA MADE

Humeral Head Retractor

Placed between the glenoid and the humeral head to obtain excellent exposure

PRODUCT NO:
T1007 *Blade Width: 33 mm* *Prong Width: 6 mm | 21 mm Gap | 6 mm* *Overall Length: 7" (17,8 cm)*

MADE FOR INNOMED IN GERMANY

Hawkins Shoulder Instruments

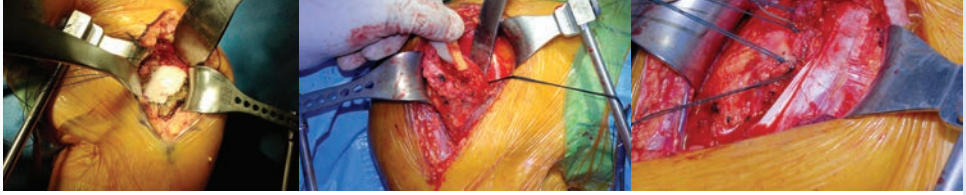
Designed to enhance exposure during shoulder arthroplasty procedures

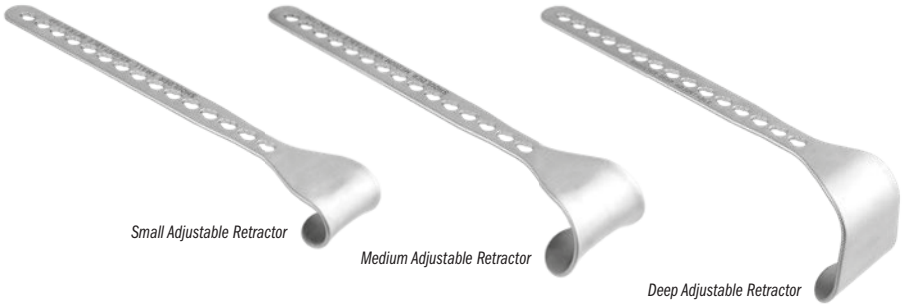
PRODUCT NO'S:
5090 [Small Spreader w/Articular Arms] *Overall Length: 6.25" (15,9 cm)* *Arm Depth: 2.25" (5,7 cm)* *Prong Width: 21 mm* *Prong Length: 16 mm*
5091 [Large Spreader w/Articular Arms] *Overall Length: 10.5" (26,7 cm)* *Arm Depth: 2.375" (6 cm)* *Prong Width: 23 mm* *Prong Length: 23 mm*
5092 [Anterior Capsular Retractor] *Overall Length: 11.25" (28,6 cm)* *Handle Length: 5.25" (13,3 cm)* *Blade Depth: 3.25" (8,3 cm)* *Blade Width: 19 mm*
5093 [Small Pectoralis Retractor] *Overall Length: 10.25" (26 cm)* *Handle Length: 5.25" (13,3 cm)* *Blade Depth: 2.5" (6,4 cm)* *Blade Width: 25 mm*
5094 [Extra Small Pectoralis Retractor] *Overall Length: 11" (27,9 cm)* *Handle Length: 5.25" (13,3 cm)* *Blade Depth: 1.5" (3,8 cm)* *Blade Width: 25 mm*
5095 [Cobb Elevator] *Overall Length: 11" (27,9 cm)* *Handle Length: 5.5" (14 cm)* *Blade Width: 19 mm*
5096 [Humeral Head Retractor] *Overall Length: 9" (22,9 cm)* *Blade Depth: 2.75" (7 cm)* *Blade Width: 37 mm*
5097 [Anterior Glenoid Retractor] *Overall Length: 11" (27,9 cm)* *Blade Depth: 2.75" (7 cm)* *Blade Width @ Fat Pad: 34 mm* *Blade Width @ Neck: 18 mm*
5098 [Deltoid Retractor] *Overall Length: 9.5" (24,1 cm)* *Blade Depth: 3.75" (9,5 cm)* *Blade Width @ Fat Pad: 45 mm* *Blade Width @ Neck: 32 mm*
5099 [Modified Darrach Retractor] *Overall Length: 10.75" (27,3 cm)* *Blade Width: 19 mm*

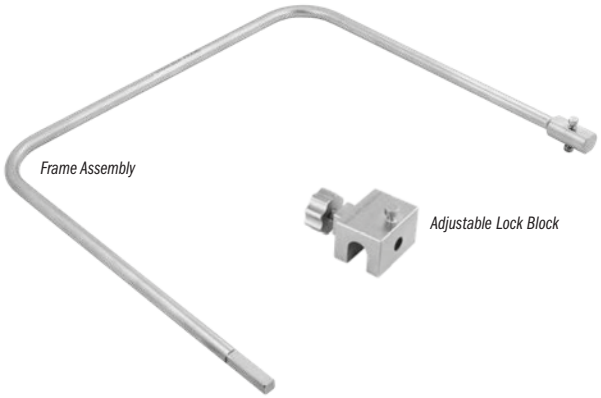
Designed by Richard J. Hawkins, MD

USA MADE

INNOMED







Bell-Hawkins Shoulder Frame and Blade Set

Retractor and Frame System for Total Shoulder Arthroplasty

PRODUCT NO'S:
4696-00 [Bell-Hawkins – Complete Set]
Included in Set/Available individually:
4696-01 [Small Adjustable Retractor] *Overall Length: 7.375" (18,7 cm)* *Handle Length: 6" (15,2 cm)* *Blade Width: 1.25" (32 mm)* *Blade Depth: .8" (20 mm)*
4696-02 [Medium Adjustable Retractor] *Overall Length: 7.375" (18,7 cm)* *Handle Length: 6" (15,2 cm)* *Blade Width: 1.7" (43 mm)* *Blade Depth: 1.25" (32 mm)*
4696-03 [Deep Adjustable Retractor] *Overall Length: 7.375" (18,7 cm)* *Handle Length: 6" (15,2 cm)* *Blade Width: 1.6" (41 mm)* *Blade Depth: 2" (51 mm)*
4696-04 [Small Fixed Retractor] *Overall Length: 3" (7,6 cm)* *Handle Length: 1.5" (3,8 cm)* *Blade Width: 1.25" (32 mm)* *Blade Depth: .8" (20 mm)*
4696-05 [Medium Fixed Retractor] *Overall Length: 3" (7,6 cm)* *Handle Length: 1.5" (3,8 cm)* *Blade Width: 1.7" (43 mm)* *Blade Depth: 1.25" (32 mm)*
4696-06 [Deep Fixed Retractor] *Overall Length: 3" (7,6 cm)* *Handle Length: 1.5" (3,8 cm)* *Blade Width: 1.25" (32 mm)* *Blade Depth: 2.375" (60 mm)*
4696-07 [Adjustable Lock Block] *Dimensions: 1.375" x 1" x .85" (35 mm x 25 mm x 20 mm)*
4696-Frame [Frame Assembly] *Dimensions: 10" x 9" (25,4 cm x 22,9 cm)*

Designed by Robert H. Bell, MD and Richard Hawkins, MD

USA MADE

McFarland Shoulder V Retractor

Designed to provide deep access to the glenoid rim when performing a subscapularis splitting approach to the shoulder

Fluted to enhace visualization and room when placing sutures in the capsular flaps prior to placing three prong retractors.

PRODUCT NO:
4851 *Overall Length: 9" (22,9 cm)* *Length To Bend: 8.5" (21,6 cm)* *Handle Length: 4" (10,2 cm)* *Blade Depth: 2.75" (7 cm)* *Blade Width: .625" (1 cm)*

Designed by Edward McFarland, MD

USA MADE

SHOULDER

Kaminsky OrthoLucent™ Browne-type Deltoid Retractors

Used for the Delto-Pectoral Approach—can remain in place for fracture reduction, plate positioning, and screw/wire/drill location confirmation

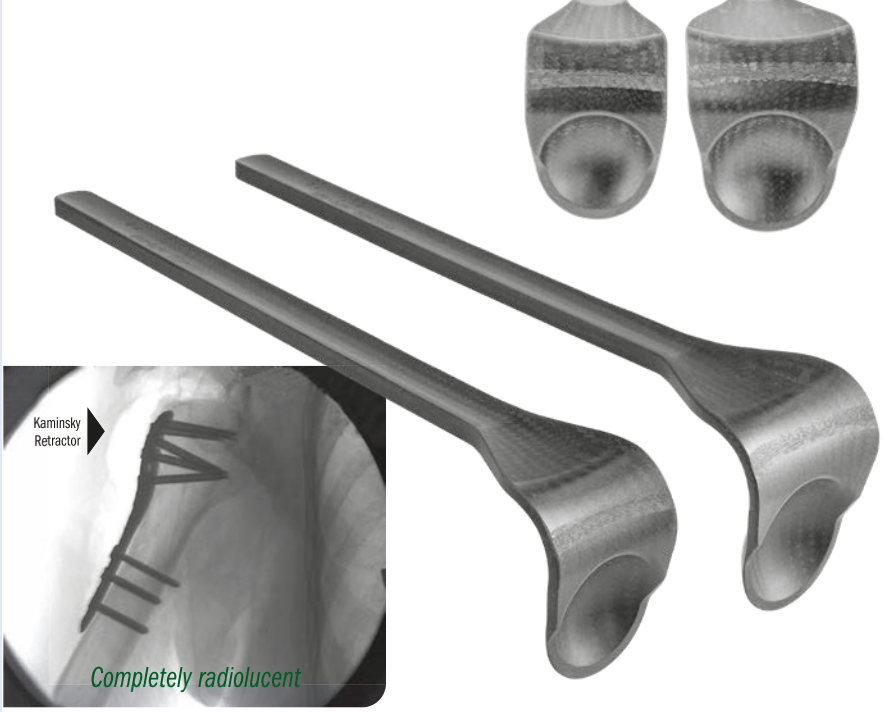
Used for acromioplasty, rotator cuff repair, and fracture fixation. Contours the humeral head with deltoid retraction allowing extensive exposure. Helps to reduce operative time, assist in fracture reduction, and maintain hardware position without the frequent need for retractor removal and reintroduction.

The OrthoLucent™ carbon fiber PEI composite material is strong, lightweight, completely radiolucent, helps to prevent from marring component surfaces, and can be steam sterilized.

PRODUCT NO'S:
1670-01R [Small] *Blade Width: 4,5 cm* *Overall Length: 10.5" (26,7 cm)*
1670-02R [Large] *Blade Width: 5,4 cm* *Overall Length: 10.5" (26,7 cm)*

Designed by Sean B. Kaminsky, MD

MADE EXCLUSIVELY FOR INNOMED IN SWITZERLAND



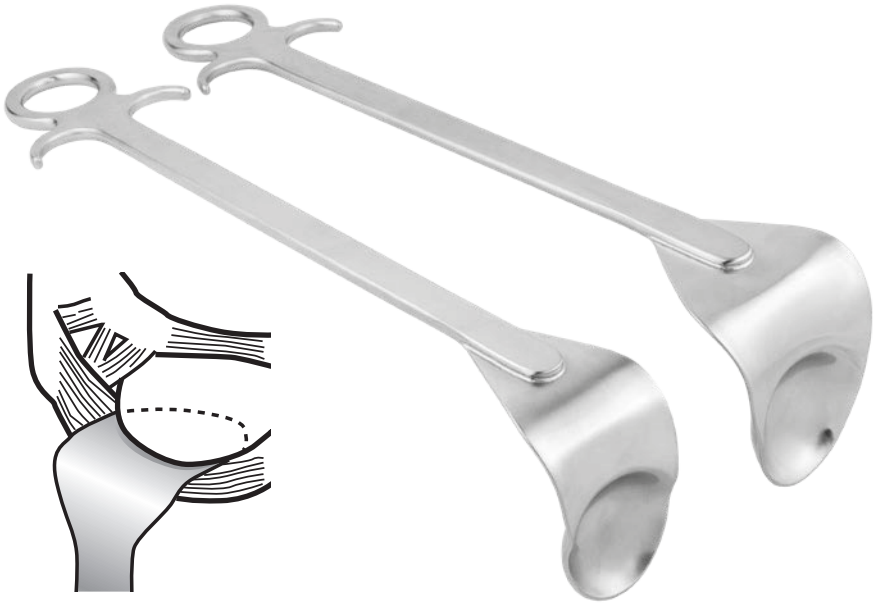
Browne Deltoid Retractor

Used for the Delto-Pectoral Approach

Contours the humeral head with effortless deltoid retraction allowing extensive exposure.

PRODUCT NO'S:
1670-01 [Small] *Blade Width: 4,5 cm* *Overall Length: 11.5" (29,2 cm)*
1670-02 [Large] *Blade Width: 5,7 cm* *Overall Length: 11.5" (29,2 cm)*

MADE FOR INNOMED IN GERMANY



Levy Wide Deltoid Retractor

Designed for management of proximal humerus fractures—facilitates appropriate deltoid retraction without interference during active fluoroscopy

Contoured to match the curve of the deltoid, the retractor helps to retract the entire deltoid laterally during the deltopectoral approach. The width approximates 2/3 the length of the deltoid, while the blade is deep enough to help control the entire deltoid without displacement of the tuberosity reduction. Sized to fit deltoids in small and large patients.

PRODUCT NO:
1672 *Overall Length: 11.75" (29,8 cm)* *Blade at Widest: 2.5" (6,4 cm)* *Blade Depth: 1.375" (3,5 cm)*

Designed by Jonathan Levy, MD

USA MADE

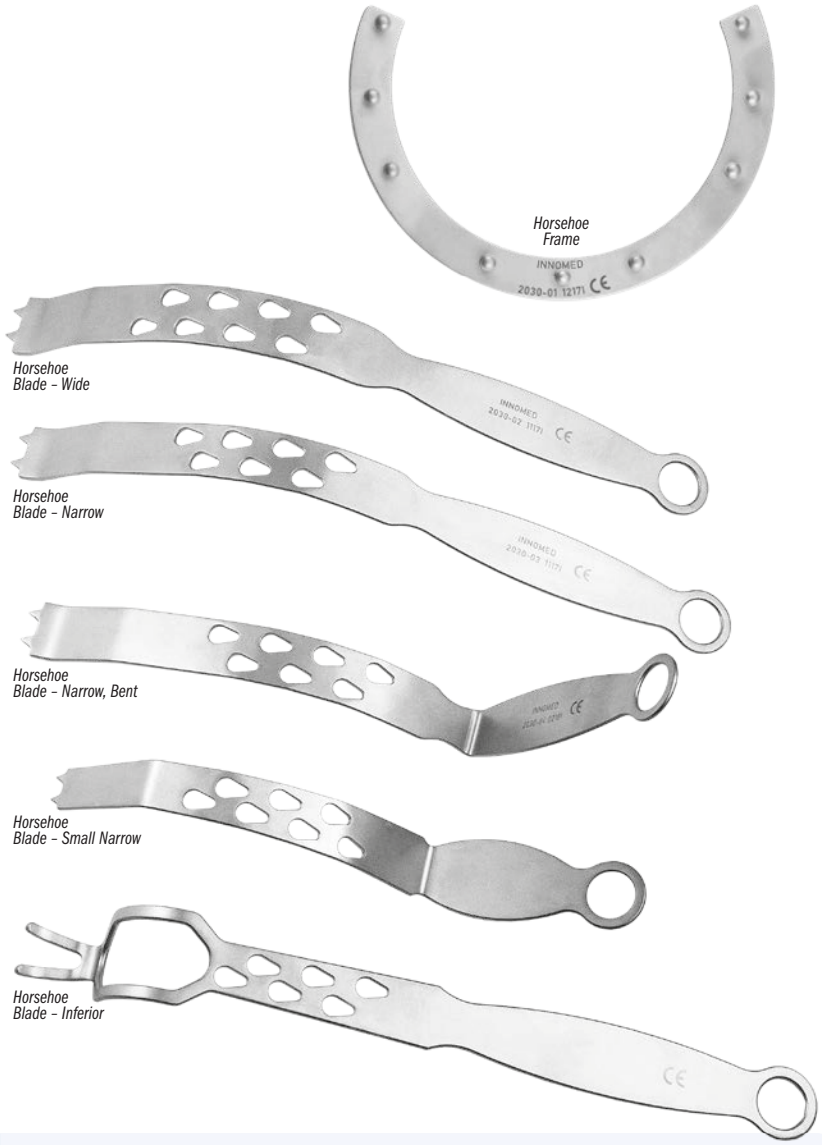
Patent Pending

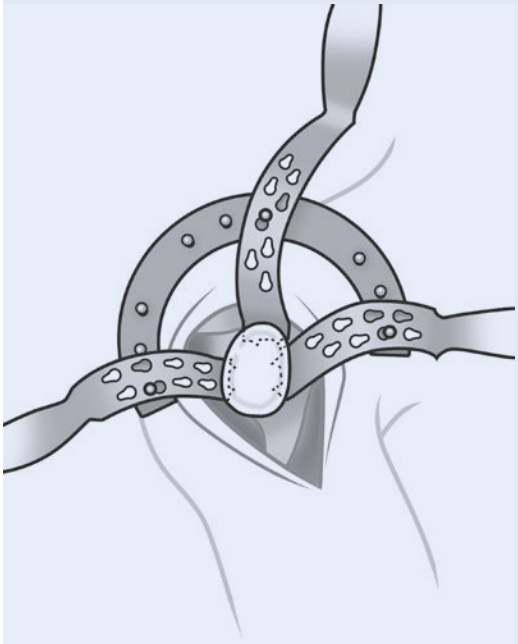
Horseshoe Shoulder Frame and Blade Assembly

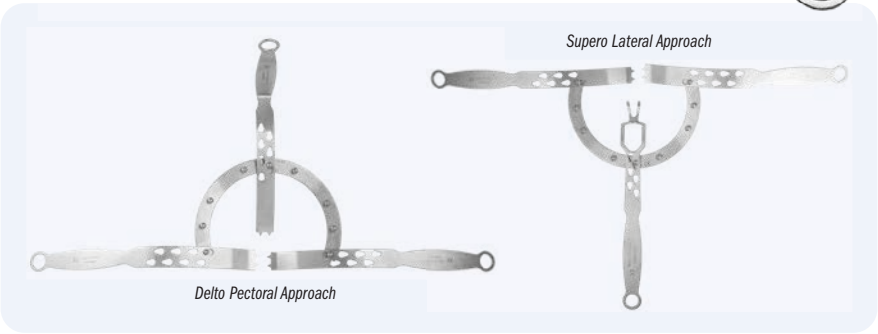
Designed to enhance exposure during shoulder arthroplasty procedures

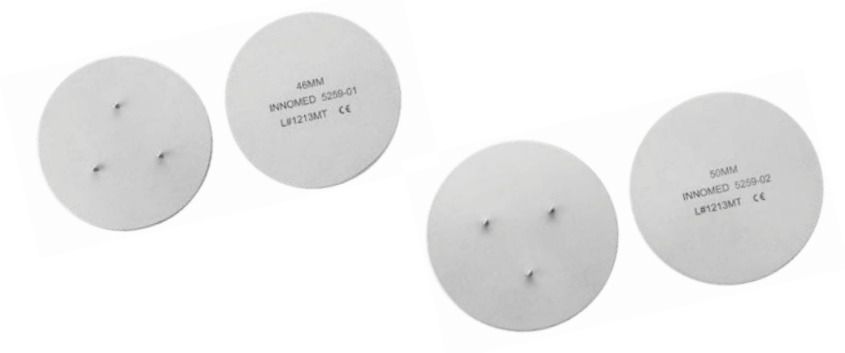
PRODUCT NO'S:
2030-00 [Set] *Set includes (1) Frame, (1) of Each Blade Style*
Also available individually:
2030-01 [Horseshoe Frame] *Overall Dimensions: 7" x 5" (17,8 cm x 12,7 cm)* *Frame Width: .7" (15 mm)*
2030-02 [Blade – Wide] *Blade Width: 22 mm* *Overall Length: 11" (27,9 cm)*
2030-03 [Blade – Narrow] *Blade Width: 14 mm* *Overall Length: 11" (27,9 cm)*
2030-04 [Blade – Narrow, Bent] *Blade Width: 14 mm* *Overall Length: 10" (25,4 cm)* *Handle Length: 4.5" (11,4 cm)*
2030-05 [Blade – Small Narrow] *Blade Width: 16 mm* *Blade Depth: 2"* *Overall Length: 8.5" (21,6 cm)*
2030-06 [Blade – Inferior] *Blade Width: Outside 34 mm, Inside 24 mm* *Overall Length: 11.5" (29,2 cm)* *Prong Length: 28 mm*

USA MADE









Humeral Protection Plates

Helps protect the proximal humerus from fracture after humeral head osteotomy

Plate is placed on the proximal humerus after the initial osteotomy of the humeral head for total shoulder replacement. Helps protect the proximal humerus from fracture as the humerus is retracted to gain visualization of the glenoid to prepare it for a glenoid implant.

PRODUCT NO'S:
5259-01 [46 mm]
5259-02 [50 mm]

Designed by Ronald E. Delanois, MD

USA MADE

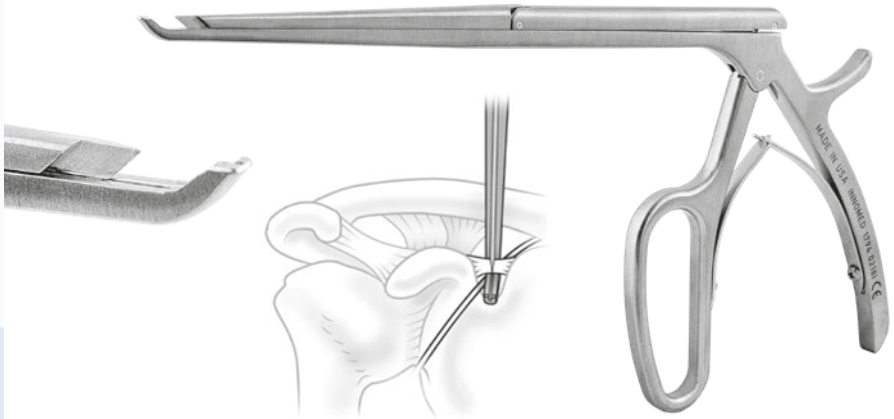
Suprascapular Ligament Cutter

Designed to cut the transverse ligament while helping to protect the suprascapular nerve

PRODUCT NO:
1794 *Overall Length: 11.25" (28,6 cm)*

USA MADE

Designed by Michael Craig, OPA-C



McFarland Bent Cobb Elevator

Designed for retraction while helping to protect the axillary nerve in shoulder surgery

Ultra hard titanium nitride coating helps to prolong sharpness.

PRODUCT NO:
3431 *Overall Length: 9.5" (24,1 cm)* *Length from Bend: 3.5" (8,9 cm)* *Cobb End Width: .8" (20 mm)* *Angle of Bend: 30°*

Designed by Edward McFarland, MD

USA MADE

Bacastow Axillary Nerve Retractor with Suction

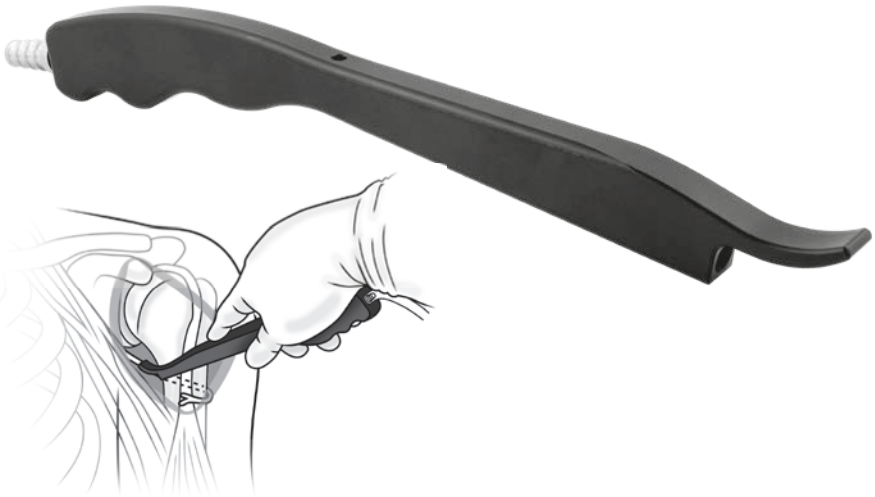
Designed with a curved tip to slip all the way under the capsule during shoulder surgery, helping to protect the axillary nerve, while also providing suction of smoke away from the surgical site

Made of autoclavable Radel material, the unit is non-conductive of current and resists the high temperatures associated with the use of electrocautery.

PRODUCT NO:
8739 *Overall Length: 11" (27,9 cm)* *Width: .5" (12,7 mm)* *Tongue Length: 1.2" (30 mm)*

Designed by David Bacastow, MD

USA MADE



Axillary Nerve Protector

Designed for inferior capsular release during shoulder arthroplasty and glenoid exposure

The tapered freer end helps separate the axillary nerve and inferior capsule, even in difficult exposures. Non-conductive material allows the use of a bovie knife directly in the small channel cutting guide (on both sides). Reversible for right and left use.

PRODUCT NO:
8029 *Overall Length: 7.125" (18,1 cm)* *Width: 12 mm* *Thickness: 4 mm*

Designed by Brett Sanders, MD

USA MADE

INNOMED

New!

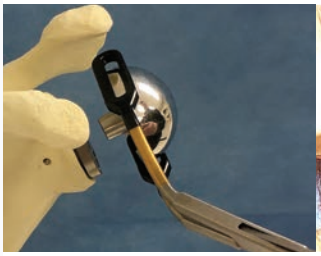
Small Bone Awls

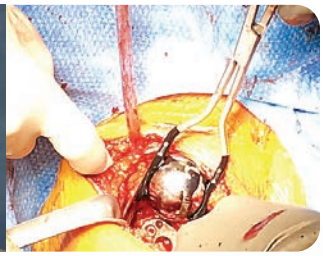
Designed to help with manipulation of bone fragments for fixation

PRODUCT NO'S:
5078 [Standard] *Overall Length: 10.5" (26,7 cm)* *Handle Length: 5" (12,7 cm)*
5078-01 [Long] *Overall Length: 13.375" (34 cm)* *Handle Length: 6" (15,2 cm)*

USA MADE

Designed by Reza Firoozabadi, MD





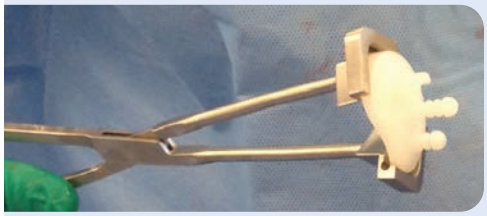
Coated Inserter for Reverse Shoulder Glenosphere Components

Designed to aid in the insertion of glenospheres in limited exposure patients, allowing for insertion from the side, with a coating to help protect from marring component surfaces

PRODUCT NO:
5071 *Overall Length: 9.5" (24,1 cm)* *Inserter Arm Angle: 30°*

USA MADE

Designed by Michael Radon, Ilya Voloshin, MD, and Nathan Mineo



Burkhead Glenoid Inserter

Designed to help insert a glenoid component

PRODUCT NO:
4689 *Overall Length: 9.875" (25,1 cm)*

USA MADE

Designed by Wayne "Buzz" Burkhead, Jr, MD, Michael Radon, and Aaron Merges

Glenoid Inserter

Designed for final implantation of the glenoid prosthesis into the body

Grasping ends are coated to help protect from scratching the component surfaces.

PRODUCT NO:
5076 *Overall Length: 8.5" (21,6 cm)*

USA MADE

Designed by Chase Kuhn & J. Kevin Rudder, MD

Levy Humeral Stem Extraction Punch

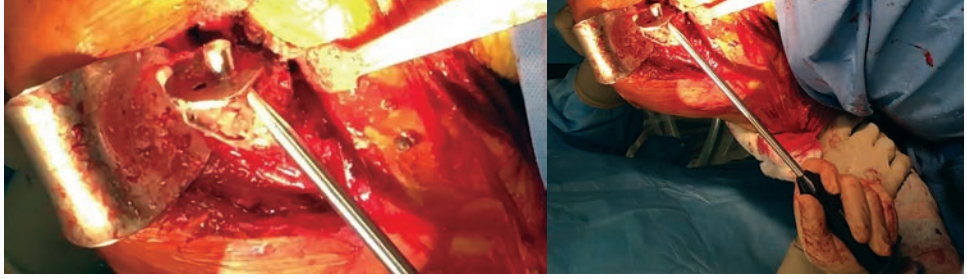
Ultra hard cobalt chrome shaft and impactor tip designed to help remove a humeral stem during revision total shoulder arthroplasty

Can be used to open up distal cement mantle or pedestal during revisions.

PRODUCT NO:
8627 *Overall Length: 12" (30,5 cm)* *Handle/Platform Length: 4.75" (12,1 cm)* *Punch Rod Length: 7.25" (18,4 cm)* *Platform: 3" x .75" (7,6 cm x 1,9 cm)* *Shaft Diameter: 8 mm, tapers to 4 mm at tip*

USA MADE

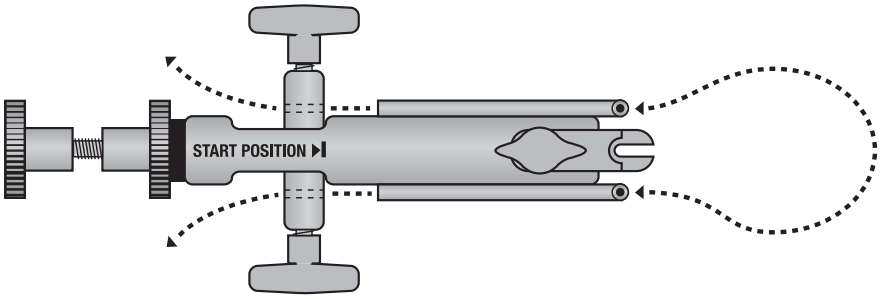
Designed by Jonathan Levy, MD

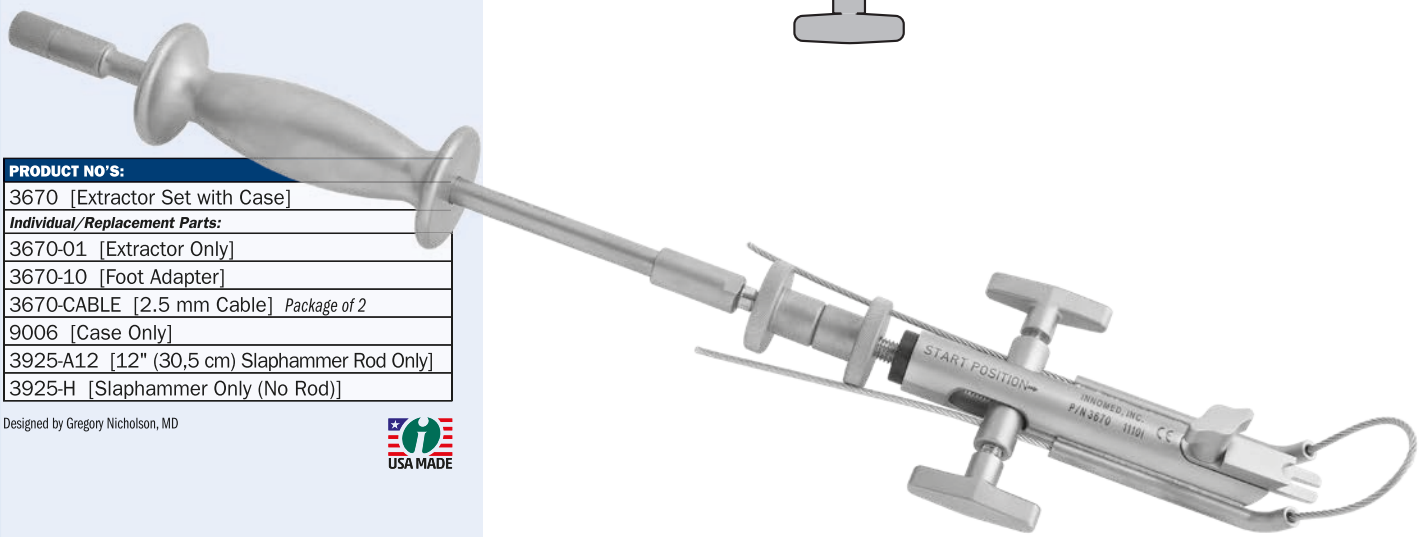


Nicholson Universal Humeral Prosthesis Extractor

Designed to fit most humeral prostheses

Includes a slaphammer, two non-sterile 2.5 mm cables, and a sterilization case.

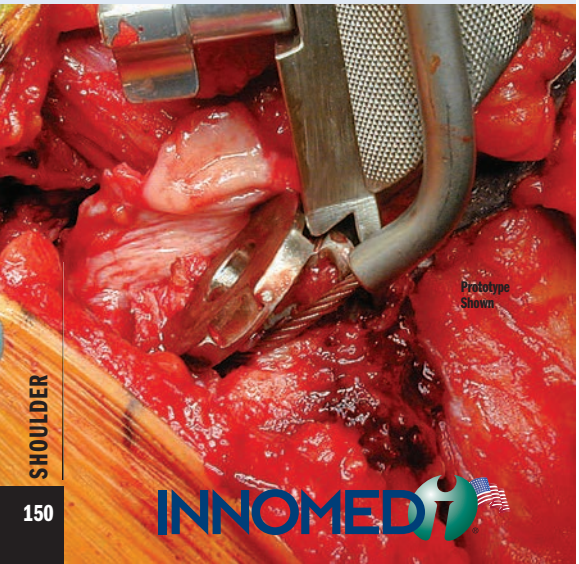


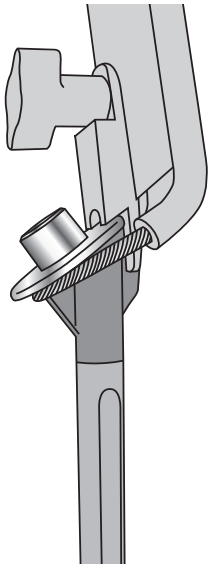


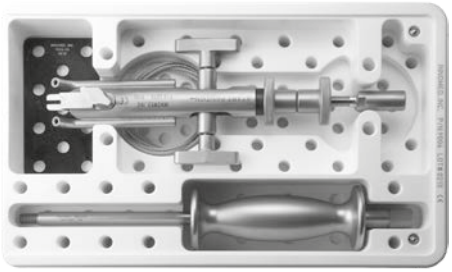
PRODUCT NO'S:
3670 [Extractor Set with Case]
Individual/Replacement Parts:
3670-01 [Extractor Only]
3670-10 [Foot Adapter]
3670-CABLE [2.5 mm Cable] *Package of 2*
9006 [Case Only]
3925-A12 [12" (30,5 cm) Slaphammer Rod Only]
3925-H [Slaphammer Only (No Rod)]

Designed by Gregory Nicholson, MD

USA MADE







Nicholson Small Bone and Shoulder Cement Removal Gouges

Designed to facilitate cement removal in smaller diameter bone of the humerus, ulna, and smaller implant geometries

- Reverse bevel tip helps the gouge to slide between the bone and cement.
- T-shaped Gouge-Splitter allows the gouge to slide between the cement and bone and vertically split the cement mantle to facilitate removal.
- Small diameter widths and curvatures more closely match shoulder and elbow implants and smaller bone diameters.
- Shorter length allows for better control and access.

Extra Small Gouge

Small Gouge

Medium Gouge

Large Gouge

Small Gouge with Splitter

Medium Gouge with Splitter

Large Gouge with Splitter


Backhook

Footed Impactor

Used to help remove a humeral implant by impacting the medial collar of the prosthesis — helps provide a very direct parallel force to the implant for removal

PRODUCT NO'S:
Gouges Overall Length: 9" (22,9 cm) *Gouges Handle Length: 4" (10,2 cm)*
5251-00 [Complete Set w/Case
5251-05 [Extra Small] *Gouge Width: 5 mm*
5251-07 [Small] *Gouge Width: 7 mm*
5251-09 [Medium] *Gouge Width: 9 mm*
5251-11 [Large] *Gouge Width: 11 mm*
5252-07 [Small w/Splitter] *Gouge Width: 7 mm* *Splitter Height: 4 mm*
5252-09 [Medium w/Splitter] *Gouge Width: 9 mm* *Splitter Height: 5 mm*
5252-11 [Large w/Splitter] *Gouge Width: 11 mm* *Splitter Height: 6 mm*
5254 [Backhook] *Overall Length: 12.5" (31,8 cm)* *Handle Length: 4.5" (11,4 cm)* *Shaft Diameter: 4 mm*
5255 [Footed Impactor] *Foot Pad Size: 8.5 mm x 11.5 mm* *Shaft Diameter: 8.5 mm* *Overall Length: 12.75" (32,4 cm)* *Handle Length: 4.5" (11,4 cm)*
5253 [Case for Set]

Designed by Gregory Nicholson, MD

USA MADE

The distal, footed end of the impactor is positioned under the neck rim of the prosthesis, and a mallet is used to strike the large proximal platform of the impactor to help loosen and remove the prosthesis in line with the stem.

Nicholson Footed Impactor

Designed to help remove a humeral prosthesis by impacting the medial collar from underneath, after a gap has been exposed between the rim/ bone interface

PRODUCT NO:
5255 *Foot Pad Size: 8.5 mm x 11.5 mm* *Shaft Diameter: 8.5 mm (21,6 cm)* *Overall Length: 12.75" (32,4 cm)* *Handle Length: 4.5" (11,4 cm)*

Designed by Gregory Nicholson, MD

USA MADE

Auerbach Arm Holder Rake Retractor Set

Allows intraoperative positioning for procedures of the posterior arm, elbow, and forearm

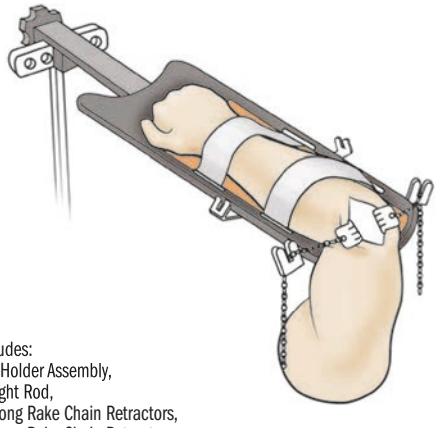
- Simple design for fast and easy positioning
- Connects over the drape in the sterile field using the supplied rail clamp and post
- Can be repositioned during surgery
- Sterilizable rubber pad protects the arm
- Retractors for the skin and soft tissues connect to the holder
- Compact for easy storage

PRODUCT NO'S:
2415-00 [Arm Holder Rake Retractor Set]
Individual/Replacement Parts:
2415-01 [Arm Holder Assembly] *Overall Length: 20" (50,4 cm)* *Arm Holder Dimensions: 14.5" x 4" (36,9 x 10,2 cm)* *Overall Width inclusing Cleats: 7.5" (19,1 cm)*
2415-02 [Arm Holder Upright Rod] *Overall Length: 19.25" (49,9 cm)*
2415-04 [Rake Chain Retractor 4-Prong] *Two included in set, one with this product number* *Overall Length including Chain: 10" (25,4 cm)* *Retractor Width: .75" (1,9 cm)*
2415-06 [Rake Chain Retractor 6-Prong] *Two included in set, one with this product number* *Overall Length including Chain: 10" (25,4 cm)* *Retractor Width: 1.25" (3,2 cm)*
2590-S01 [Black Strap] *Two included in set, one with this product number* *Dimensions: 1" x 24" (2,5 x 61 cm)*
2595 [Table Clamp]
2770-P [Silicone Pad] *Dimensions: 12" x 5.5" (30,5 x 14 cm)*
Replacement Parts:
2590-S [Black Straps] *Pkg of 10*

Designed by David M. Auerbach, MD

USA MADE

New!



Set includes:
(1) Arm Holder Assembly,
(1) Upright Rod,
(2) 4-Prong Rake Chain Retractors,
(2) 6-Prong Rake Chain Retractors,
(2) Black Straps,
(1) Table Clamp,
(1) Silicone Pad

Argintar Bicep Tenodesis Sleeve

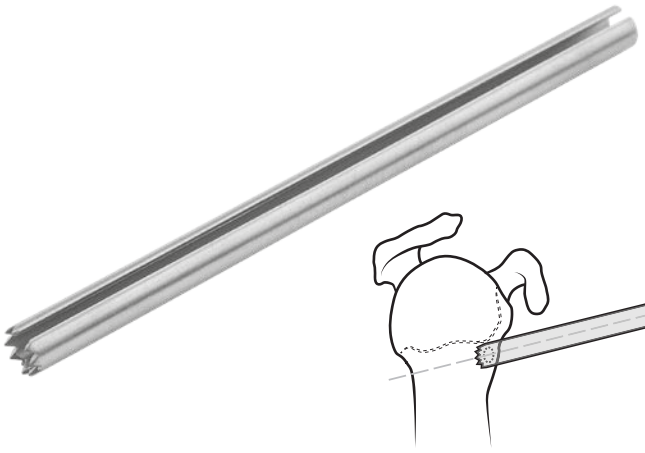
Designed to help facilitate mini-open sub-pectoral bicep tenodesis—by maintaining the trajectory of the drill with the serrated end of the sleeve, the drilled humeral holes are easily found with standard percutaneous placement of the bicortical button

Once flipped, the slotted cut out in the sleeve makes detachment of the button applicator possible, helping with efficient and reproducible mini-open bicep tenodesis using button technique.

PRODUCT NO:
5835 *Overall Length: 4" (10,2 cm)* *External Diameter: 6,35 mm* *Internal Diameter: 5 mm* *Slot: 2,75 mm*

Designed by Evan Argintar, MD

USA MADE



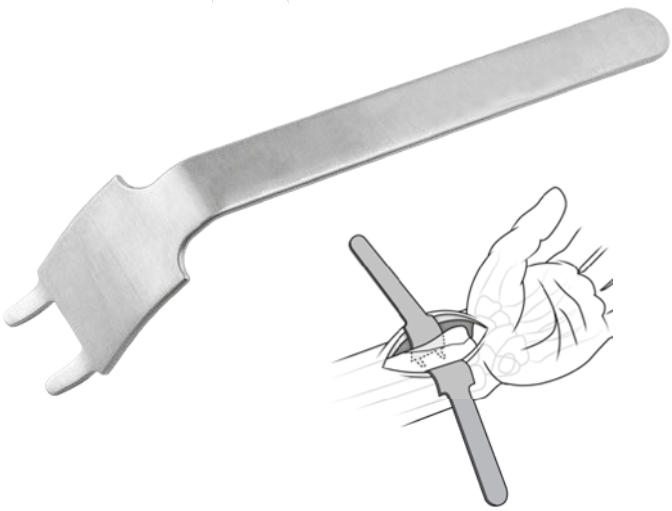
Beard Distal Radius Wide Hohmann Retractor

Designed for distal radius and diaphyseal fracture exposure, the wide blade design helps to protect soft tissues, and the curved handle helps provide improved access and visualization

PRODUCT NO:
5837-01 *Overall Length: 5.375 (13,7 cm)* *Blade Width: 1" (25 mm)*

Designed by David Beard, MD

USA MADE



INNOMED

Lateral Condyle Fracture Set

Designed for adult and pediatric lateral condyle fractures

The asymmetric clamps (1756-L & 1756-R) are shaped to secure the lateral condyle fragment. The straight tip is placed in the coronoid fossa and the curved tip is used to grasp and compress the lateral condyle fragment. The symmetric reduction clamp (1755) is useful to compress T-condylar fractures, and in many other fracture reduction applications.

PRODUCT NO'S:
4697-00 [Set with Case]
Set Includes:
1755 [Clamp – Symmetric] *Overall Length: 8.5" (21,6 cm)* *Jaw opens to: 3" (7,6 cm)*
1756-L [Clamp – Asymmetric Left] *Overall Length: 8.75" (22,2 cm)*
1756-R [Clamp – Asymmetric Right] *Overall Length: 8.75" (22,2 cm)*
4697 [Elbow Retractor] *Overall Length: 6.5" (16,5 cm)* *Blade Width: 1" (2,54 cm)*
1015 [Sterilization Case] *Dimensions: 11.25" x 7.125" x 3.125" (28,6 cm x 18,1 cm x 7,9 cm)*

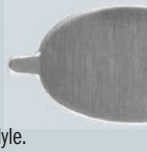
USA MADE

Designed by Carl R. Weinert, MD

Weinert Elbow Retractor

Designed for use within the elbow joint to retract the anterior capsule, and provide full exposure of the anterior articular surface for reduction and fixation of displaced lateral condyle fractures

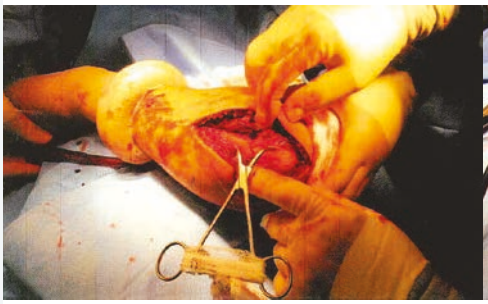
The small blunt tip hooks over the intact medial condyle.



Weinert Bone Holding Reduction Clamps

Designed to securely hold fracture reductions

The stops on each end help prevent excessive penetration of metaphyseal and soft bone.



Calvo Olecranon Reducing Forceps

Designed to reduce and hold in place transverse fractures of the olecranon to facilitate the insertion of k-wires and tension bands

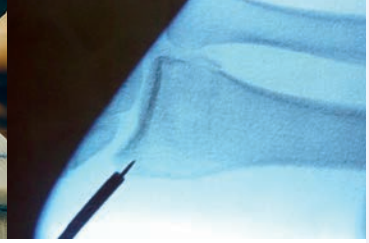
Also very useful in malleolus fractures.

PRODUCT NO'S:
1801-L [Left]
1801-R [Right]

MADE EXCLUSIVELY FOR INNOMED IN GERMANY

Designed by Ignacio J. Calvo, MD





Sanders Pin Inserters

Designed to aim and control the placement of flexible k-wires when they contact hard cortical bone, while helping to protect neurovascular structures from the spinning wire

Inserter ends are smooth and can be passed through skin and tissue with less danger to neurovascular structures. Can be inserted through appropriately placed small peripheral incisions and placed on the bone with direct vision from the primary incision. The K wire is then passed through the inserter, helping to protect adjacent soft tissue structures.

Ideal for wrist surgery such as distal radius fractures, intercarpal fusions, carpal dislocations, etc., where K-wires must be inserted from angles not accessible through the initial incision. Also useful for arthroscopic fixation of the scaphoid.

PRODUCT NO'S:
3015-081 *Accepts k-wires up to: .081" (2 mm)* *Tube Length: 1.875" (4,8 cm)* *Overall Length: 4.25" (10,8 cm)* *Handle Length: 3.15" (8 cm)*
3015-054 *Accepts k-wires up to: .054" (1,4 mm)* *Tube Length: 1.875" (4,8 cm)* *Overall Length: 4.25" (10,8 cm)* *Handle Length: 3.15" (8 cm)*

Designed by Richard Sanders, MD

USA MADE

Mogul K-Wire/Pin Insertion Guide

A guide designed for passing guide pins or k-wires through two adjacent metatarsal bones

PRODUCT NO:
3017 *Dimensions: 2.375" Tall x 3.75" Wide (6 x 9,5 cm)* *Maximum Pin Diameter: 3/32" (2,4 mm)* *Maximum Clamped Opening: 2" (5,1 cm)* *Minimum Clamped Opening: .375" (1 cm)* *Pin/K-Wire Guide Length: .925" (23,5 mm)*

USA MADE

Designed by Stuart J. Mogul, DPM, FACFAS

New!

Redler Wrist Bone Clamp with Wire Guide

Designed to hold bony fragments in place for placement of guide wires

Can be used for:

- Placement of pins across distal radius fractures or across carpal bones
- Arthroscopically assisted fixation in the wrist
- Fracture fragments about the elbow
- Placement of guide wires during the open reduction and internal fixation of a patella fracture

PRODUCT NO'S:
1885-45 *For Pins up to .045" (1,1 mm)* *Overall Length: 9.5" (24,1 cm)* *Jaw opens to: 3.5" (8,9 cm)*
1885-62 *For Pins up to .062" (1,6 mm)* *Overall Length: 9.5" (24,1 cm)* *Jaw opens to: 3.5" (8,9 cm)*

Two sizes available:
For use with .045" (1.1 mm) or .062" (1.6 mm) K-wires.

Designed by M.R. Redler, MD

USA MADE

Redler Percutaneous Pin Clamp

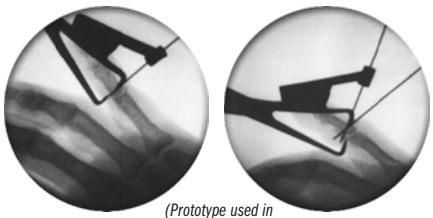
Holds a small bone in apposition during percutaneous pinning of a fracture

Designed with a proximal pin tube with teeth; the tube guides the pin and the teeth help keep the tube in place on the bone. The distal tip is used to control the bone fragment. Includes a long ratchet for locking on various sized bones, from 1 mm to 14 mm. Also useful during insertion of cannulated screw guide wires.

PRODUCT NO'S:	
	Overall Length: 5" (12,7 cm)
1810-35	*Tube Diameter: .035" (0,9 mm)*
1810-45	*Tube Diameter: .045" (1,1 mm)*
1810-62	*Tube Diameter: .062" (1,6 mm)*

USA MADE

Designed by M.R. Redler, MD



(Prototype used in X-ray images)

Chang Pin Clamp

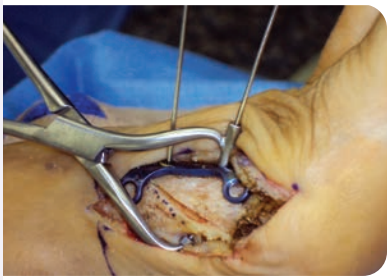
Designed to allow accurate insertion of pins for internal fixation

Used for small bones, the clamp allows accurate insertion of pins for internal fixation. The cannula has a 1.8 mm internal diameter.

PRODUCT NO:	
1760-01	*Cannula Internal Diameter: 1.8 mm* *Overall Length: 6" (15,2 cm)* *Locking Ratchet Opens To: 25 mm*

Designed by Win Chang, MD

MADE EXCLUSIVELY FOR INNOMED IN GERMANY



Ludloff/Mau Osteotomy Fixation Clamp

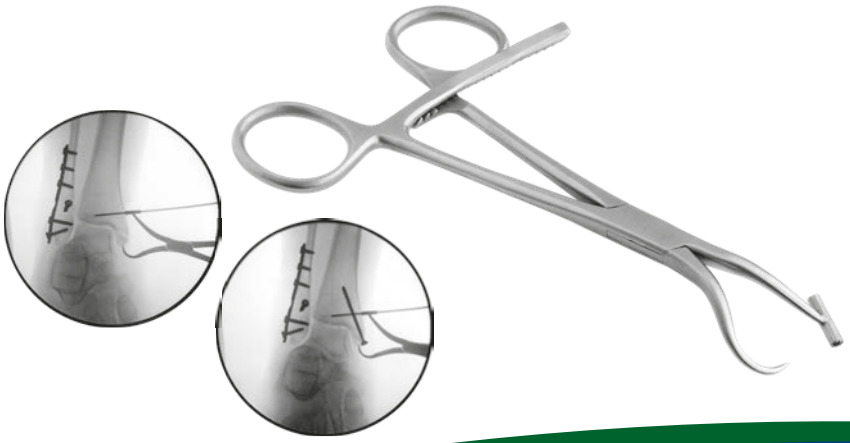
Used after lateral hallux valgus correction of the metatarsal, the clamp allows for osteotomy fixation and cannulated screw guide wire direction

Clamp fixates the osteotomy to hold the correction, and the 15° slanted cannulated k-wire guide allows the surgeon to place the guide wire for the cannulated screw perpendicular to the osteotomy for final fixation of the osteotomy.

PRODUCT NO:	
1812	*Cannula Accepts K-wire up to: .045" (1,1 mm)* *Overall Length: 5" (12,7 cm)*

Designed by A. Austin

MADE EXCLUSIVELY FOR INNOMED IN GERMANY



Teurlings Medial Malleolar Clamp w/Wire Guide

Helps to stabilize the medial malleolar fragment during internal fixation

PRODUCT NO:	
1803	*Cannula Diameter: .062" (1,6 mm)* *Overall Length: 5.25" (13,3 cm)*

Designed by Luc Teurlings, MD

MADE EXCLUSIVELY FOR INNOMED IN GERMANY

Desai Jones Fracture Reduction Clamp

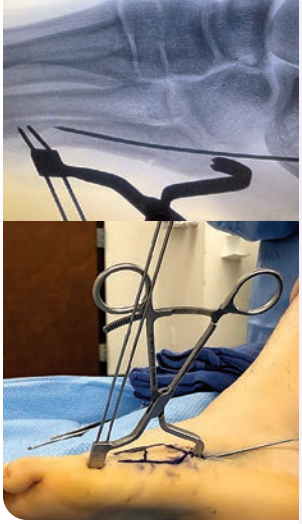
Designed to reduce and maintain reduction of Jones fractures, helping to prevent distration and/or rotation during wire, tap, and subsequent screw placement

Distally there are two k-wire holes for placement in the distal 5th metatarsal and the 2-pronged clamp proximally is placed on the tuberosity, allowing a "high and inside" screw placement without interference.

PRODUCT NO:
1802 *Overall Length: 6" (15,2 cm)* *Wire Block Length: 20 mm* *Hole Separation: 5 mm on Center*

Designed by Sarang Desai, DO

USA MADE



Durham Bone Reduction Clamps

Allows application of a bone plate without removing the reduction clamp

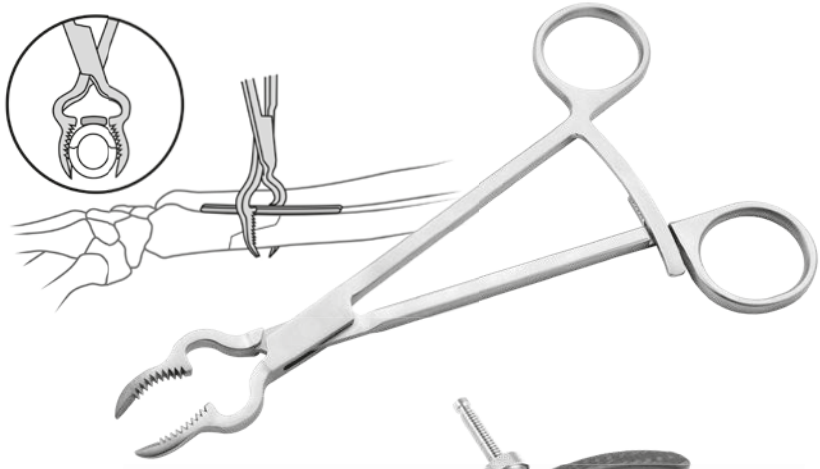
The standard clamp is designed for medium size bones such as the fibula, ulna, and radius. See page 166 for large clamp version.

The wide window directly above the jaws provide space to allow a bone plate to be slid into position without removing the clamp.

PRODUCT NO'S:
3652 [Standard] *Overall Length: 7.375" (18,7 cm)*
3652-01 [Large with Speedlock] *Overall Length: 9.25" (32,5 cm)*

USA MADE

Designed by Alfred A. Durham, MD



Radiolucent Small Bone Clamp

Can be kept in place while using image intensification or taking an x-ray

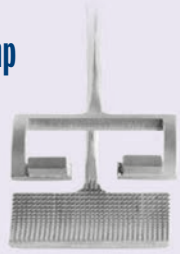
Carbon fiber material is strong, lightweight, completely radiolucent, can be steam sterilized, and helps to prevent from marring component surfaces.

PRODUCT NO:
1828 *Overall Length: 7" (17,8 cm)*

USA MADE

Duncan Metatarsal Clamp

Designed to be used on bones of the foot to stabilize an osteotomy or fracture in the corrected position for fixation through the opening in the top of the clamp

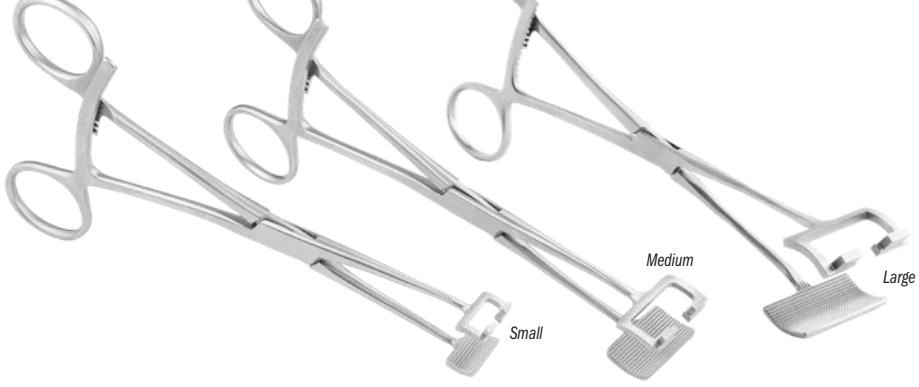


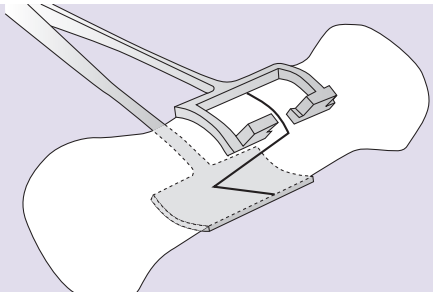
May also be used for open reduction internal fixation for hand or fibula procedures.

PRODUCT NO'S:
1638 [Large] *Overall Length: 7" (17,8 cm)* *Clamp Pads: 1.3" x .625" (3,3 cm x 1,6 cm)*
1638-25 [Medium] *Overall Length: 6.5" (16,5 cm)* *Clamp Pads: 1" x .5" (2,5 cm x 1,3 cm)*
1638-50 [Small] *Overall Length: 6.25" (15,9 cm)* *Clamp Pads: .625" x .325" (1,6 cm x .8 cm)*

Designed by Gregory S. Duncan, DPM

MADE EXCLUSIVELY FOR INNOMED IN GERMANY

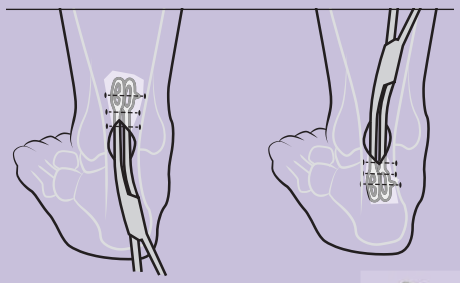


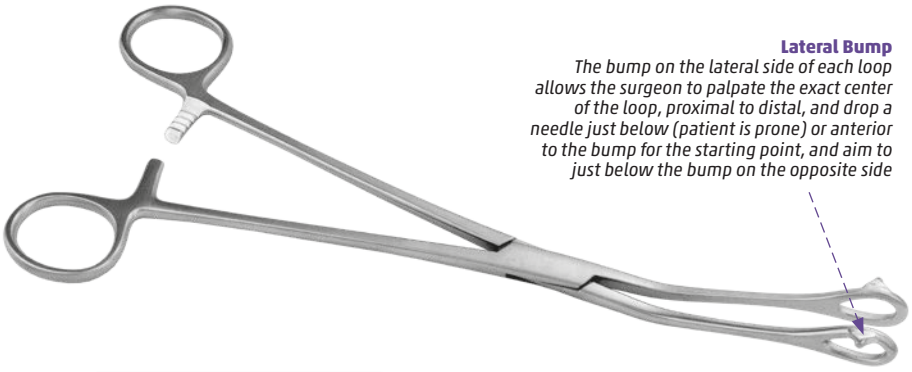


INNOMED

Percutaneous Achilles Repair Forceps
for Limited Open Achilles Tendon Repair

Designed to help improve accuracy during percutaneous repair of Achilles tendon ruptures



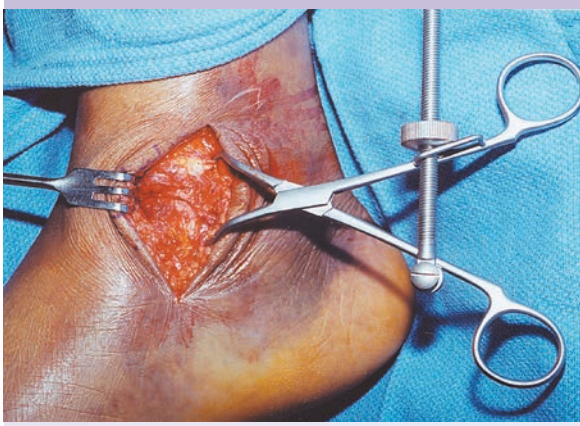


Lateral Bump
The bump on the lateral side of each loop allows the surgeon to palpate the exact center of the loop, proximal to distal, and drop a needle just below (patient is prone) or anterior to the bump for the starting point, and aim to just below the bump on the opposite side

PRODUCT NO:
8235 *Overall Length: 9.625" (24,4 cm)*

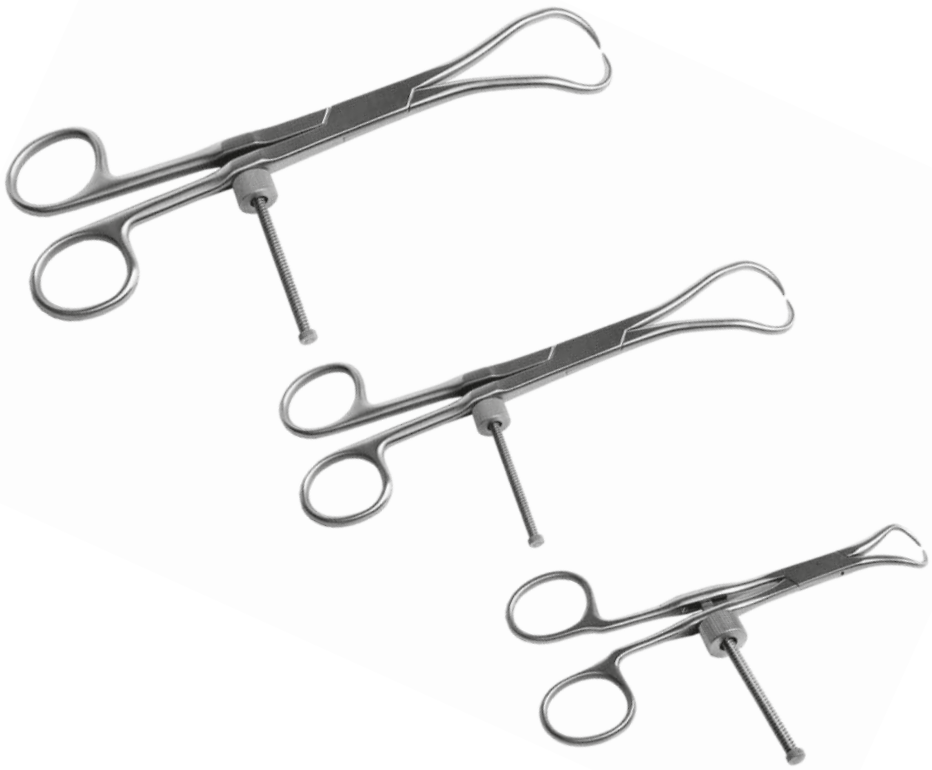
USA MADE

Designed by James A. Amis, MD



Medial Malleolar/Bone Fragment Clamps

Quick tightening & release low profile clamp with unlimited settings



PRODUCT NO'S:
1830 [Standard] *Overall Length: 5.5" (14 cm)* *Clamp End Length: 1"*
1835 [Medium] *Overall Length: 6" (15,2 cm)* *Clamp End Length: 2"*
1840 [Large] *Overall Length: 8" (20,3 cm)* *Clamp End Length: 3"*

Designed by Edward L. Sclamberg, MD

MADE EXCLUSIVELY FOR INNOMED IN GERMANY

Calvo Medial Malleolus Fracture Clamp

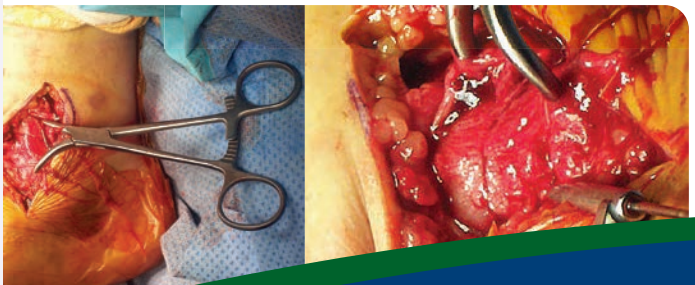
Designed to reduce and hold a displaced medial malleolus fracture

Also very useful in olecranon fractures.

PRODUCT NO'S:
1801-L [Left]
1801-R [Right]

MADE EXCLUSIVELY FOR INNOMED IN GERMANY

Designed by Ignacio J. Calvo, MD



SMALL BONE

Small Bone Holding Forceps with Long Ratchet

Designed for use in stabilization of a fracture or osteotomy

PRODUCT NO:
1170 *Overall Length: 5.75" (14,6 cm)*

MADE EXCLUSIVELY FOR INNOMED IN GERMANY

O'Brien Bone Clamp

Designed for use in stabilization of a fracture or osteotomy

PRODUCT NO:
1816 *Overall Length: 5.25" (13,3 cm)*

USA MADE

Designed by Todd O'Brien, DPM

OrthoLucent O'Brien Bone Clamp

Designed for use in stabilization of a fracture or osteotomy

The carbon fiber PEEK material is strong, lightweight, completely radiolucent, can be steam sterilized, and helps to prevent from marring component surfaces.

PRODUCT NO:
1815-R *Overall Length: 5.25" (13,3 cm)*

MADE EXCLUSIVELY FOR INNOMED IN SWITZERLAND

Designed by Todd O'Brien, DPM

Lewin Small Bone Clamp

PRODUCT NO:
4685 *Overall Length: 5" (12,7 cm)*

MADE FOR INNOMED IN GERMANY

Stanton Articulating Small Bone Clamps

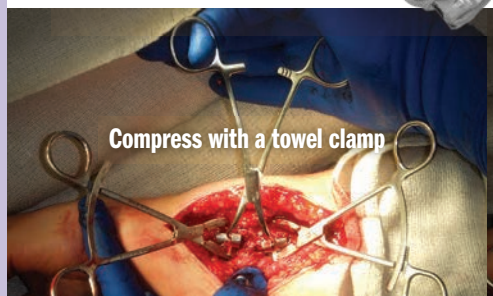
Opposing clamps facilitate manipulation of fracture ends

The small tube allows use of a towel clamp to compress non-union and shortening osteotomies during fixation, as well as to allow the use of Gelpi retractors to distract malunions during revision surgery.

PRODUCT NO'S:
1811-00 [Set of Left & Right]
Also available individually:
1811-L [Left] *Overall Length: 5.125" (13 cm)* *Curved Plate Radius: 5 mm* *Pin Hole for Pins Up To: 2,4 mm*
1811-R [Right] *Overall Length: 5.125" (13 cm)* *Curved Plate Radius: 5 mm* *Pin Hole for Pins Up To: 2,4 mm*

Designed by John L. Stanton, MD

USA MADE



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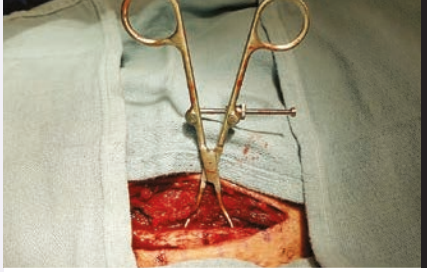
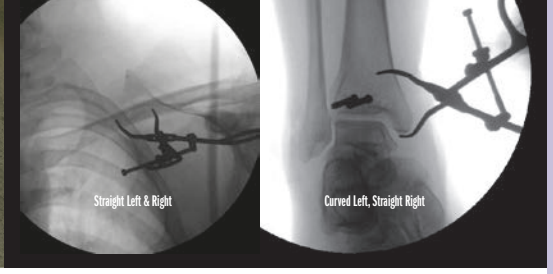
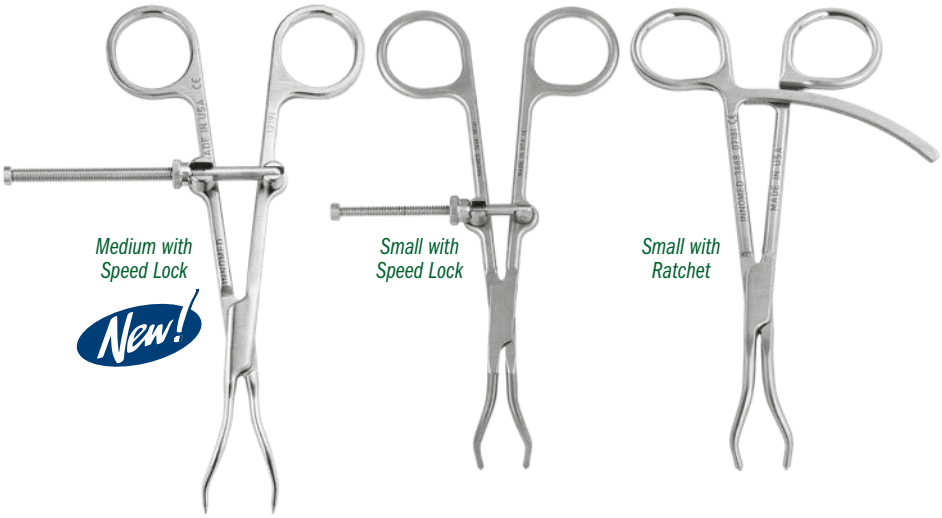




Pointed Fracture Reduction Clamps

Versatile set of fracture reduction clamps, each with a specific tine design that allows for appropriate vector placement so that anatomic reduction can be obtained in a number of different types of fractures

- 1.9 mm tines allow for a snug fit in 2 mm drill holes
- Tines angled to prevent clamp "slippage" with compression
- Straight tines can be placed deep within bone which allows for far cortex compression
- Clamps incorporate a box joint design that prevents clamp joint loosening and the need for tightening
- Example applications: any transverse fracture (straight-straight clamp), both bone forearm fractures, olecranon fractures, medial malleolus fractures, and many more
- Speed Lock Style: Extra-long spin down allows for increased range of clamp use, and open-topped joint rotates to allow for increased range of opening, and also allows for quick release



Medium with Speed Lock

New!

Small with Speed Lock

Small with Ratchet

Each style avalable in four tine configurations

Straight Left & Right

Curved Left & Right

Curved Left, Straight Right

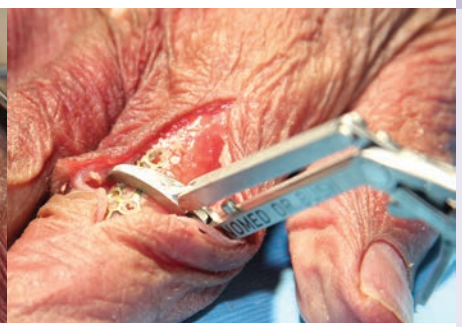
Straight Left, Curved Right

PRODUCT NO'S:	
SMALL WITH SPEED LOCK MECHANISM	
3666 [Straight Left & Right]	*Overall Length: 5.5" (14 cm)*
3667 [Curved Left & Right]	*Overall Length: 5.5" (14 cm)*
3666-L [Curved Left, Straight Right]	*Overall Length: 5.5" (14 cm)*
3666-R [Straight Left, Curved Right]	*Overall Length: 5.5" (14 cm)*
MEDIUM WITH SPEED LOCK MECHANISM	
3666-01 [Straight Left & Right]	*Overall Length: 7" (17,8 cm)*
3667-01 [Curved Left & Right]	*Overall Length: 7" (17,8 cm)*
3666-L-01 [Curved Left, Straight Right]	*Overall Length: 7" (17,8 cm)*
3666-R-01 [Straight Left, Curved Right]	*Overall Length: 7" (17,8 cm)*
SMALL WITH RATCHET MECHANISM	
3668 [Straight Left & Right]	*Overall Length: 5.5" (14 cm)*
3669 [Curved Left & Right]	*Overall Length: 5.5" (14 cm)*
3668-L [Curved Left, Straight Right]	*Overall Length: 5.5" (14 cm)*
3668-R [Straight Left, Curved Right]	*Overall Length: 5.5" (14 cm)*

USA MADE

New!

Designed by Reza Firoozabadi, MD MA



Bush Small Bone Reduction Forceps

Designed to help hold a small bone or bone plate in position for reduction and fixation

Opens to approximately .5" (13 mm).

PRODUCT NO'S:	
1888 [Double]	*Overall Length: 4.5" (11,4 cm)* *Jaw Width: .7" (17,7 mm)*
1889 [Single]	*Overall Length: 4.5" (11,4 cm)* *Jaw Width: .15" (3,7 mm)*

Designed by Andrew P. Bush, MD

USA MADE

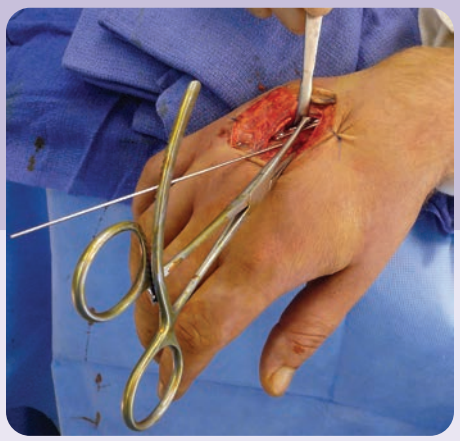
Coated Allis Bone Clamps

A traditional Allis Bone Clamp designed with a longer ratchet—for a wider opening to allow a bone and plate to be clamped and locked onto—and coated end(s) to prevent from marring a component surface

PRODUCT NO'S:
1381 [One Coated End] *Overall Length: 6.125" (15,9 cm)* *Ratcheted Clamp Opens to: 35 mm* *Non-coated-end Width: 4 mm*
1382 [Two Coated Ends] *Overall Length: 6.125" (15,9 cm)* *Ratcheted Clamp Opens to: 35 mm* *Non-coated-end Width: 4 mm*

Modification of design by Charles T. Resnick MD

USA MADE



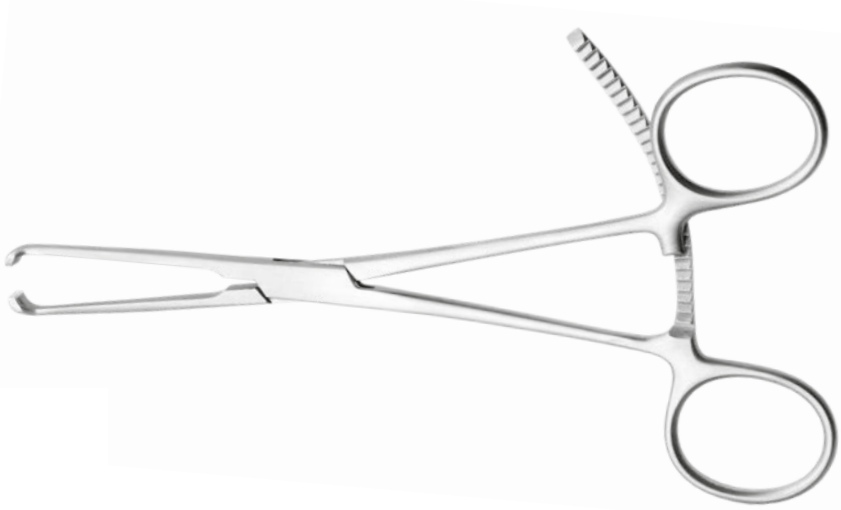
Resnick Allis Bone Clamp

A traditional Allis Bone Clamp designed with a longer ratchet which allows for a wider opening to allow a bone to be clamped and locked onto

PRODUCT NO:
1385 *Overall Length: 6" (15,2 cm)* *Ratcheted Clamp Opens to: 37 mm* *Clamp End Width: 4.7 mm*

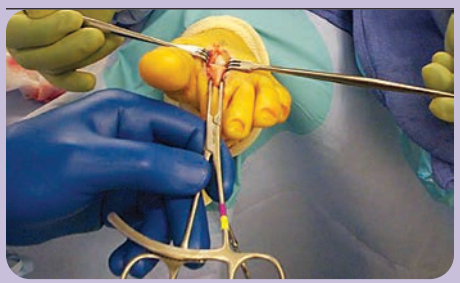
Designed by Charles T. Resnick MD

MADE EXCLUSIVELY FOR INNOMED IN GERMANY



Slavitt Phalangeal Forceps

Enables the surgeon to provide joint distraction and stability during joint placement at the base of the proximal phalanx of the lesser digits

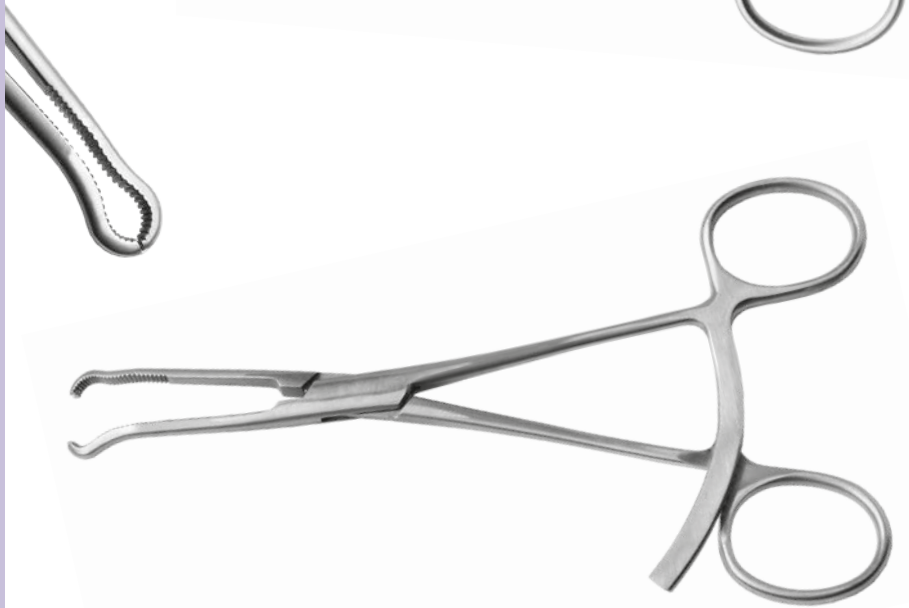


Helps to distract the joint and hold the bone, allowing easier access to the base. Can also be used for digital fusions to hold bones better for drilling and cutting applications.

PRODUCT NO:
1163 *Overall Length: 6" (15,2 cm)* *Clamp Internal Opening Diameter: 4 mm*

Designed by Jerome Slavitt, DPM

MADE EXCLUSIVELY FOR INNOMED IN GERMANY



INNOMED

Rudisill Locking Small Bone Reduction Forcep

For reduction of hand phalanx and metacarpal fractures

PRODUCT NO:
2017 *Overall Length: 4.875" (12,4 cm)*

Designed by Ed Rudisill, MD

USA MADE

Standard

Extended

New!

EXTENDED LENGTH VERSION

Lubahn Carpal/Tarsal Corkscrews

Designed to help with removal of carpal and/or tarsal bones

- Aids trapezium removal during basal joint arthroplasty when the bone is being removed as a unit
- Can also be used to facilitate a proximal row carpectomy as it fits the scaphoid, lunate, and triquetrum
- May additionaly be used to remove the pisiform in cases of arthritis of the piso-triquetral joint

PRODUCT NO'S:
1191 [Standard] *Overall Length: 2.25" (5,7 cm)*
1191-01 [Extended] *Overall Length: 6.5" (16,5 cm)*

Designed by John D. Lubahn, MD

USA MADE

Evans Universal Carpal Tunnel Knife Guide

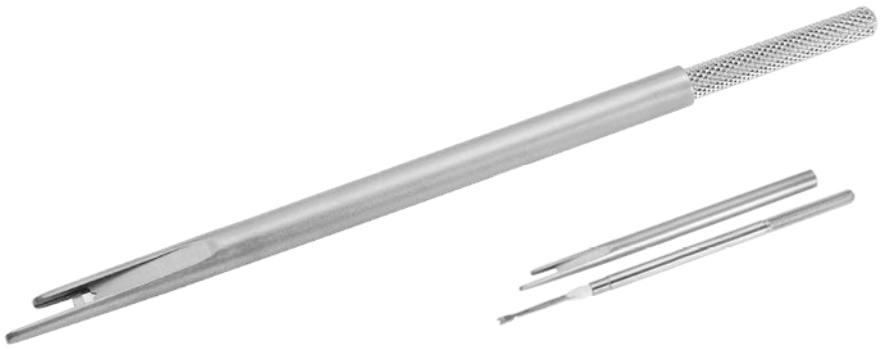
Designed to protect the median nerve while providing a choice of grooved tracks for a retrograde knife or for tenotomy scissors

Allows for smooth advance of the blade or scissors to divide the transverse carpal ligament. Designed for a mini-open, non-endoscopic approach.

PRODUCT NO:
1128 *Overall Length: 8" (20,3 cm)* *Blade Guide Widths: 2 mm and 5 mm*

Designed by Peter J. Evans, MD, PhD

USA MADE



Hagan Carpal Tunnel Release Sleeve

Designed to protect the surrounding anatomy while providing a sleeve within which to smoothly advance a beaver-style blade to divide and release the transverse carpal ligament

Designed for use in a mini-open, non-endoscopic approach, the sleeve isolates the blade, providing protection to the surrounding anatomy. The longer, bottom leading edge of the sleeve is inserted between the median nerve and the transverse carpal ligament, while the shorter, top leading edge provides lifting protection to the structures above the ligament. The blade is then advanced within the sleeve to complete the ligament release.

Designed to use a Beaver-style Mini-Meniscus (Flat) 4 mm Blade. Blade not included.

PRODUCT NO:
1150 *Overall Length: 5" (12,7 cm)*

Designed by Hugh Hagan, MD

USA MADE

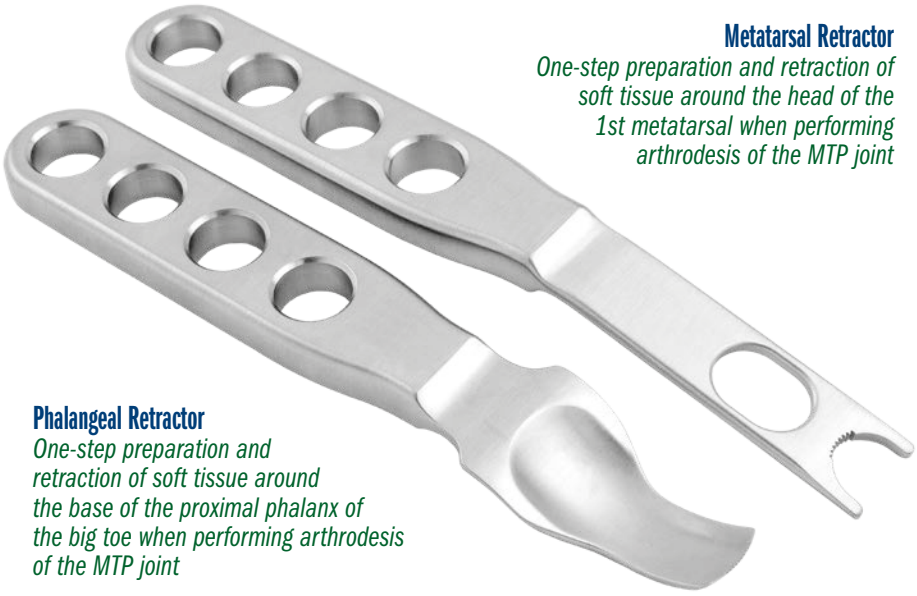
Durst Arthrodesis Retractor Set

Designed for exposure and retraction when performing arthrodesis of the MTP joint

PRODUCT NO'S:
1642-00 [Arthrodesis Retractor Set]
Also available individually:
1642-01 [Phalangeal Retractor] *Overall Length: 6.625" (16,8 cm)*
1642-02 [Metatarsal Retractor] *Overall Length: 7" (17,8 cm)*

USA MADE

Designed by Heiko Durst, MD

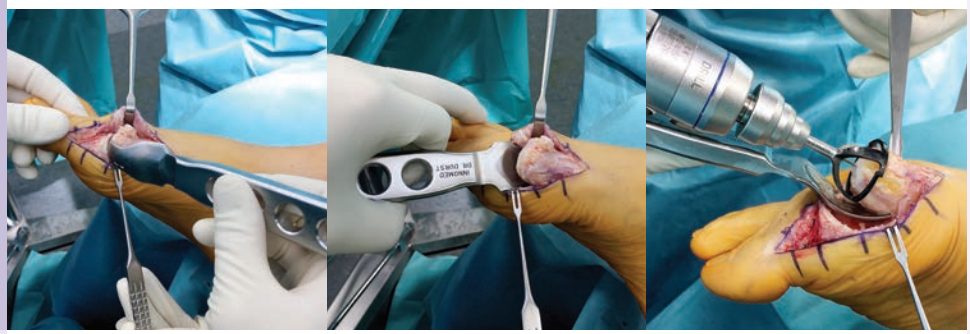


Metatarsal Retractor

One-step preparation and retraction of soft tissue around the head of the 1st metatarsal when performing arthrodesis of the MTP joint

Phalangeal Retractor

One-step preparation and retraction of soft tissue around the base of the proximal phalanx of the big toe when performing arthrodesis of the MTP joint



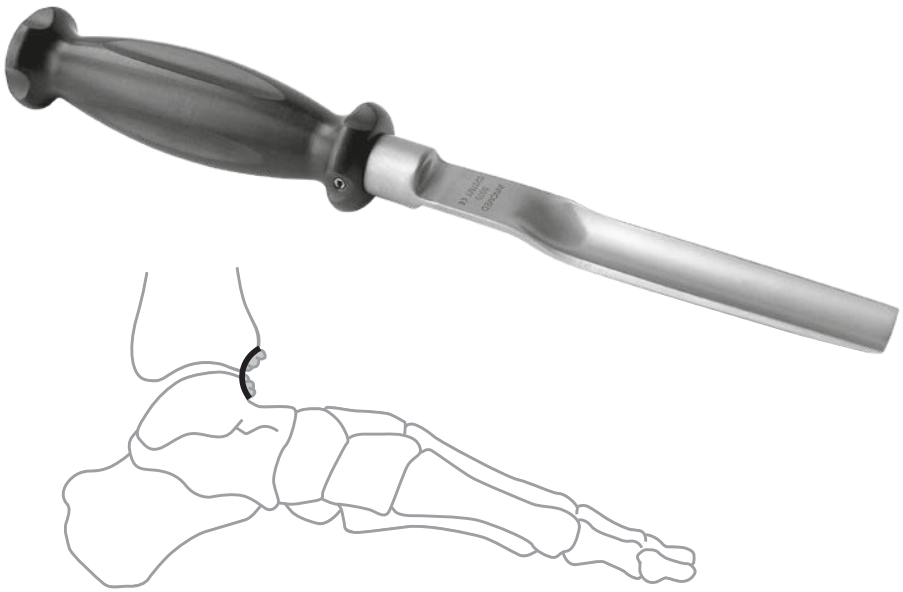
Anderson Talar Neck Osteotomes

Designed to help improve range of motion and reduce pain caused by anterior boney impingement of the ankle by removing osteophyte from the anterior talar neck and the anterior distal tibia

PRODUCT NO'S:
5075 *Gouge Width: 17 mm* *Overall Length: 9.875" (25,1 cm)* *Handle Length: 4.5" (11,4 cm)*
5075-50 *Gouge Width: 12.7 mm* *Overall Length: 9.875" (25,1 cm)* *Handle Length: 4.5" (11,4 cm)*
5075-75 *Gouge Width: 9.5 mm* *Overall Length: 9.875" (25,1 cm)* *Handle Length: 4.5" (11,4 cm)*

Designed by John Anderson, MD

USA MADE



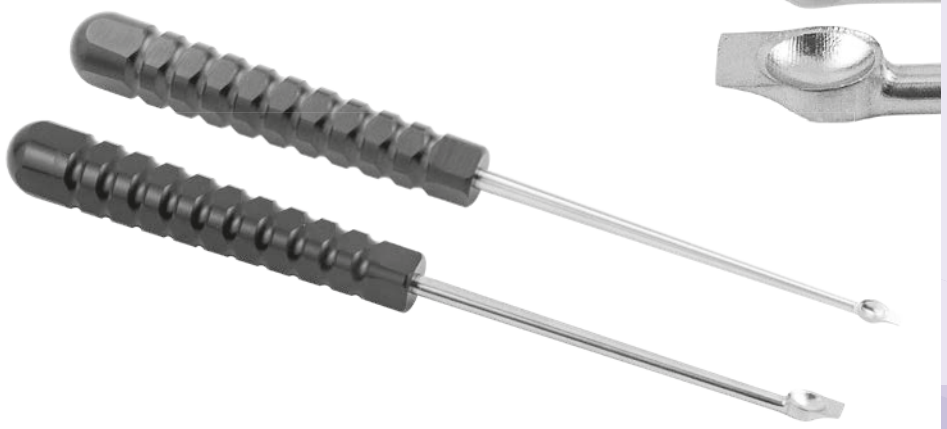
INNOMED

Desai Curette Osteotomes

Designed to remove bone and cartilage, helpful for preparing joint surfaces for fusion, allowing easy removal of osteophytes and cartilage without having to switch instruments

The osteotome portion also can be used to "feather" the subchondral surface to expose bleeding bone. It is also useful in instances of obtaining autograft, as it can be used to create a bone window and then remove cancellous bone.

PRODUCT NO'S:
5241 [5 mm] *Overall Length: 8.25" (21 cm)* *Handle Length: 4.25" (10,8 mm)* *Cup: 5 x 6 mm* *Osteotome Width: 3.5 mm* *Osteotome Length: 3.5 mm from edge of cup*
5242 [8 mm] *Overall Length: 8.25" (21 cm)* *Handle Length: 4.25" (10,8 mm)* *Cup: 8 x 10 mm* *Osteotome Width: 6.5 mm* *Osteotome Length: 3 mm from edge of cup*



USA MADE

Designed by Sarang Desai, DO

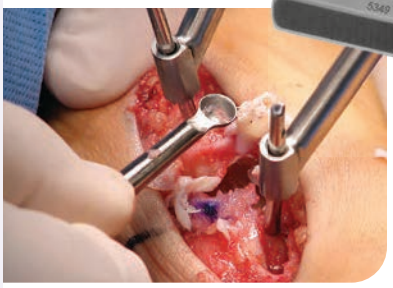
Hemisphere Curettes

Designed for small joint surgery

PRODUCT NO'S:
5345 *Overall Length: 5.75" (14,6 cm)* *Curette Diameter: 5 mm*
5349 *Overall Length: 5.75" (14,6 cm)* *Curette Diameter: 9 mm*

USA MADE

Designed by Richard Wittock, DPM and Rob Baglio, DPM

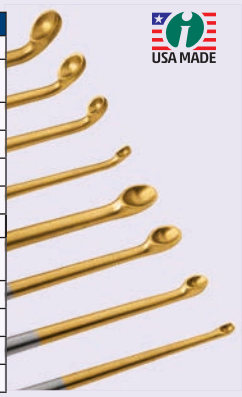


Micro Curettes

Four cup sizes, straight or 45° angled-end shaft

Ultra hard titanium nitride coating helps to extend curette life by increasing surface hardness, prolonging sharpness, and resisting chemicals and corrosion.

PRODUCT NO'S:
Straight Micro Curettes
Overall Length: 9.75" (24,8 cm) *Shaft Length: 4.5" (11,4 cm)*
4242 ***Cup Size 2***
4240 ***Cup Size 1***
4244 ***Cup Size 4/0***
4246 ***Cup Size 6/0***
Angled Micro Curettes
Overall Length: 9.75" (24,8 cm) *Shaft Length: 4.5" (11,4 cm)*
4242-01 ***Cup Size 2***
4240-01 ***Cup Size 1***
4244-01 ***Cup Size 4/0***
4246-01 ***Cup Size 6/0***



USA MADE

SMALL BONE

McGlamry Type Elevators

Designed to help deglove a metatarsal head, and helpful in many other procedures

PRODUCT NO'S:
1643-11 [11 mm] *Overall Length: 6.5" (16,5 cm)*
1643-13 [13 mm] *Overall Length: 6.5" (16,5 cm)*
1643-15 [15 mm] *Overall Length: 6.5" (16,5 cm)*
1643-17 [17 mm] *Overall Length: 6.5" (16,5 cm)*

MADE EXCLUSIVELY FOR INNOMED IN GERMANY

New!

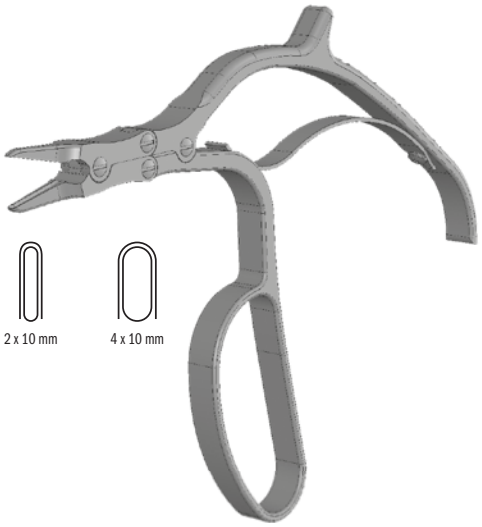
Mazzara Rongeur with Small Pistol Grip Handle

Small pistol grip handle lessens hand fatigue and slippage, and allows for better visualization

PRODUCT NO'S:
1765-04 *Jaw Bite: 2 x 10 mm* *Overall Length: 9" (22,9 cm)*
1765-05 *Jaw Bite: 4 x 10 mm* *Overall Length: 9" (22,9 cm)*

Designed by James T. Mazzara, MD

USA MADE



2 x 10 mm

4 x 10 mm

New!

AVAILABLE JUNE 2020

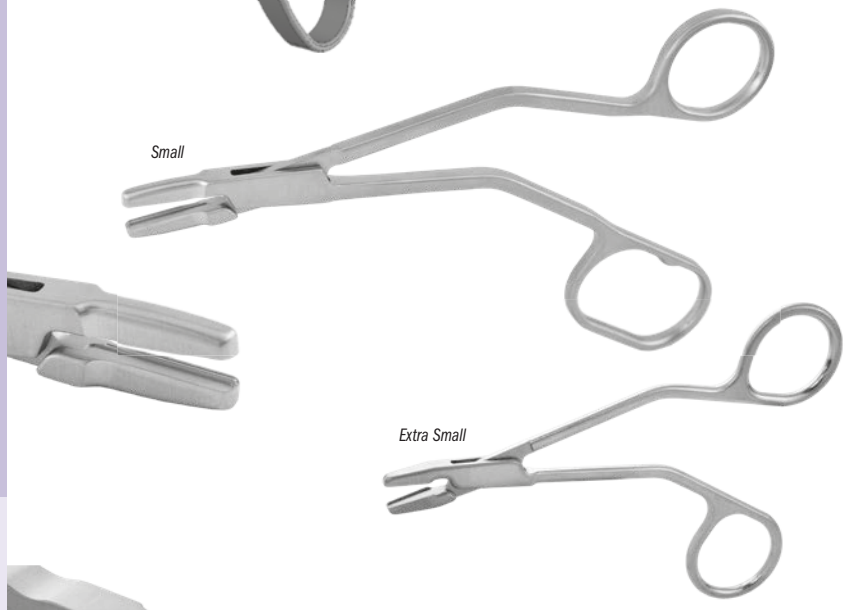
Yezerski Small Bone Rongeurs

Designed for small bone applications in the hand and foot

PRODUCT NO'S:
1789 [Small] *Overall Length: 7.125" (18,1 cm)* *Jaw Width: 4 mm* *Jaw Bite Width: 3 mm* *Jaw Bite Length: 20 mm*
1789-01 [Extra Small] *Overall Length: 4.5" (11,4 cm)* *Jaw Width: Tapers from 4,6 mm to 2 mm* *Jaw Bite Length: 11 mm*

Designed by John Yezerski, MD

USA MADE



Small

Extra Small

Macko Square Tipped Rongeur

Unique square tipped rongeur designed for Total Ankle Arthroplasty

Aggressive, low profile jaws aid in the removal of tibial bone in spite of limited space. The square ended tip helps produce a flat, finished surface following anterior talar facet reaming. Features such as the ergonomic grip, double action mechanism, long reach, and low profile make this rongeur also useful in spine, hip, and knee surgery. When used for morcelizing bone graft, the shallow, wide jaw helps avoid impaction.

PRODUCT NO'S:
1778-02 *Jaw Bite: 7 x 18 mm* *Overall Length: 10" (25,4 cm)*
1778-03 *Jaw Bite: 10 x 18 mm* *Overall Length: 10" (25,4 cm)*

Designed by Victor W. Macko, MD

USA MADE

Two Jaw Sizes Available

INNOMED

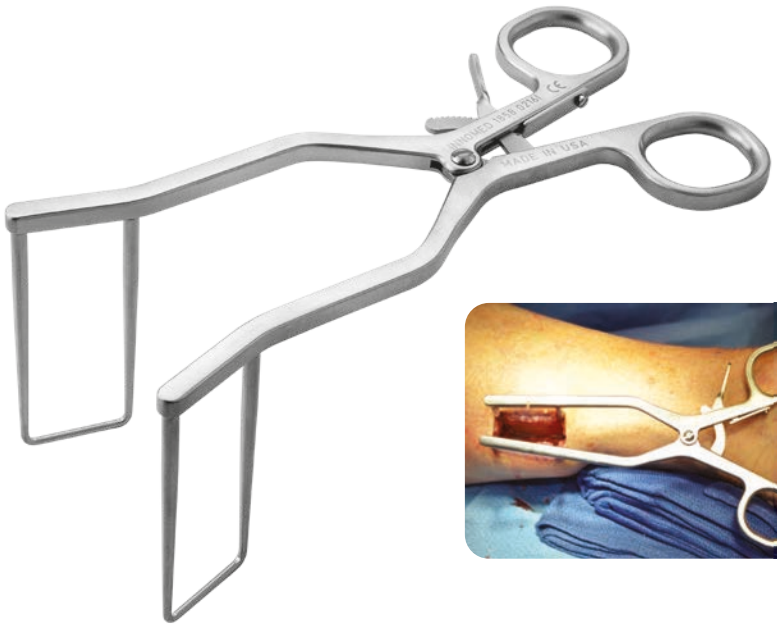
Strayer Retractor

A lamina spreader with long thin blades designed to retract the soleus muscle and soft tissue for isolation and exposure of the gastrocnemius fascia for release

PRODUCT NO:
1869 *Overall Length: 9.25" (23,5 cm)* *Blade Length: 3.5" (8,9 cm)* *Blade Width: .6" (1,5 cm)*

Designed by Irvin Oh, MD

USA MADE



Desai Clearview Open Blade Self-Retaining Retractor

Open blade design allows clear visualization of soft tissue and neurovascular structures being retracted

Tapered blades allows 90° deep soft tissue retraction and easy insertion into the wound. The open blades also allow surgeon to work in open blade area, such as for gastroc recession surgery.

PRODUCT NO:
1858 *Overall Length: 7.25" (18,4 cm)* *Blade Depth: 3" (7,6 cm)* *Blade Width: 1.25" (3,2 cm)*

Designed by Sarang Desai, DO

USA MADE

Hendren Self-Retaining Retractor

Gentle on tissue and very effective in holding back subcutaneous fat

Designed to be gentle on tissue and very effective in holding back subcutaneous fat. Also useful for retracting the deltoid muscle firmly.

PRODUCT NO:
1745 *Overall Length: 5.5" (14 cm)* *Blade Size: 18 mm x 13 mm*

Designed by D.H. Hendren, MD

MADE EXCLUSIVELY FOR INNOMED IN GERMANY

Calibrated Ortho Spreader with Slotted Tips

A lamina spreader with a very thin closed profile, designed to enable distraction in tight spaces like the subtalar and talonavicular joints

PRODUCT NO:
1841 *Overall Length: 6.75" (17,1 cm)* *Prong Length: .5" (12,7 mm)* *Calibrations: 10 mm to 35 mm*

Designed by Jason Bariteau, MD

USA MADE

Calcaneal Spreader

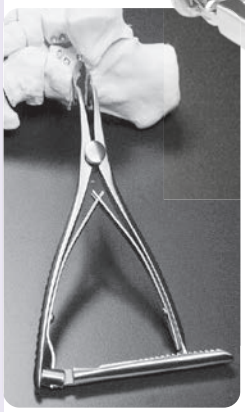
Separates the calcaneal osteotomized bone for placement of tricortical bone graft

Pads have a large surface area, which easily separates the calcaneal osteo-tomized bone for placement of tricortical bone graft. Large pad surface area helps prevent the compression of soft calcaneal cancellous bone.

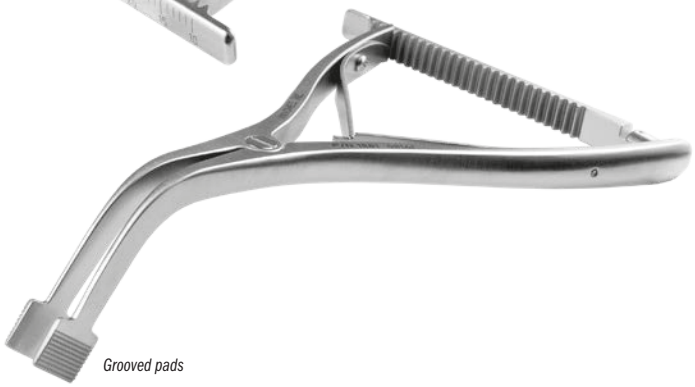
PRODUCT NO'S:
1880 [Smooth Pads] *Overall Length: 7" (17,8 cm)* *Pad Dimensions: 15 mm x 12 mm*
1881 [Grooved Pads] *Overall Length: 7" (17,8 cm)* *Pad Dimensions: 15 mm x 12 mm*

Designed by Michael Forness, DO

USA MADE



Smooth pads



Grooved pads

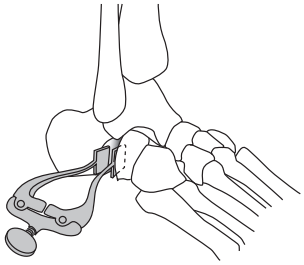
Calcaneal Lateral Column Spreader

Used for lateral column lengthening of the calcaneus

PRODUCT NO:
1725 *Pads: 14 mm x 12 mm* *Arms Open to: 4,5 cm* *Overall Length: 4.25" (10,8 cm)*

Designed by K. Wapner, MD

MADE EXCLUSIVELY FOR INNOMED IN GERMANY



Hendren Neuroma Retractor

Narrow tines are delicate on tissue, but sturdy enough to retract bone

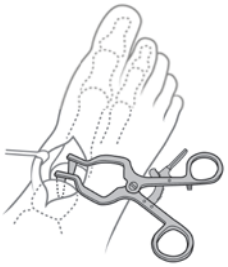
Provides excellent exposure. Also helpful in scaphoid fracture repair surgery.

PRODUCT NO'S:
1680-02 [Large] *Overall Length: 5.5" (14 cm)*
1680-01 [Small] *Overall Length: 4.25" (10,8 cm)*

Designed by Douglas H. Hendren, MD

USA MADE

INNOMED



HFD Self-Retaining Small Bone Spreader

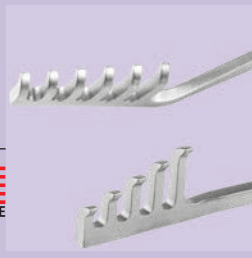
Versatile spreader featuring narrow tapered blades which, when together, make a small wedge to enter a tight bone interface or osteotomy

Blades feature a non-aggressive grip pattern that can be used when spreading apart bone as well as providing retraction of soft tissue in a smaller wound.

PRODUCT NO:
1829 *Overall Length: 4.5" (11,4 cm)* *Blade Depth: 28 mm* *Blade Width Tapers from: 8 mm to 5 mm*

USA MADE

Holiday Self-Retaining Carpal Tunnel Retractor



PRODUCT NO:
1113 *Overall Length: 6" (15,2 cm)*

USA MADE

Designed by Allan Holiday, MD

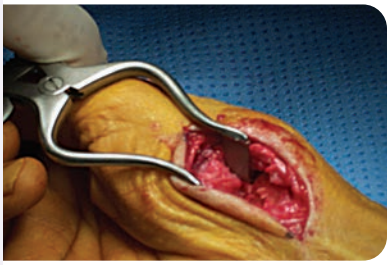
Burgess Carpal Tunnel Retractor

Designed for exposure during carpal tunnel surgery

PRODUCT NO:
1887 *Overall Length: 4.25" (10,8 cm)* *Blade Length: 12 mm* *Blade Depth: 8 mm*

MADE EXCLUSIVELY FOR INNOMED IN GERMANY

Designed by Kraig Burgess, DO



Wilson Trigger Finger Retractor

PRODUCT NO:
1884 *Overall Length: 4.25" (10,8 cm)* *Blades: 6.5 mm Wide x 10 mm Deep*

Designed by Ralph V. Wilson, MD

MADE EXCLUSIVELY FOR INNOMED IN GERMANY

SMALL BONE

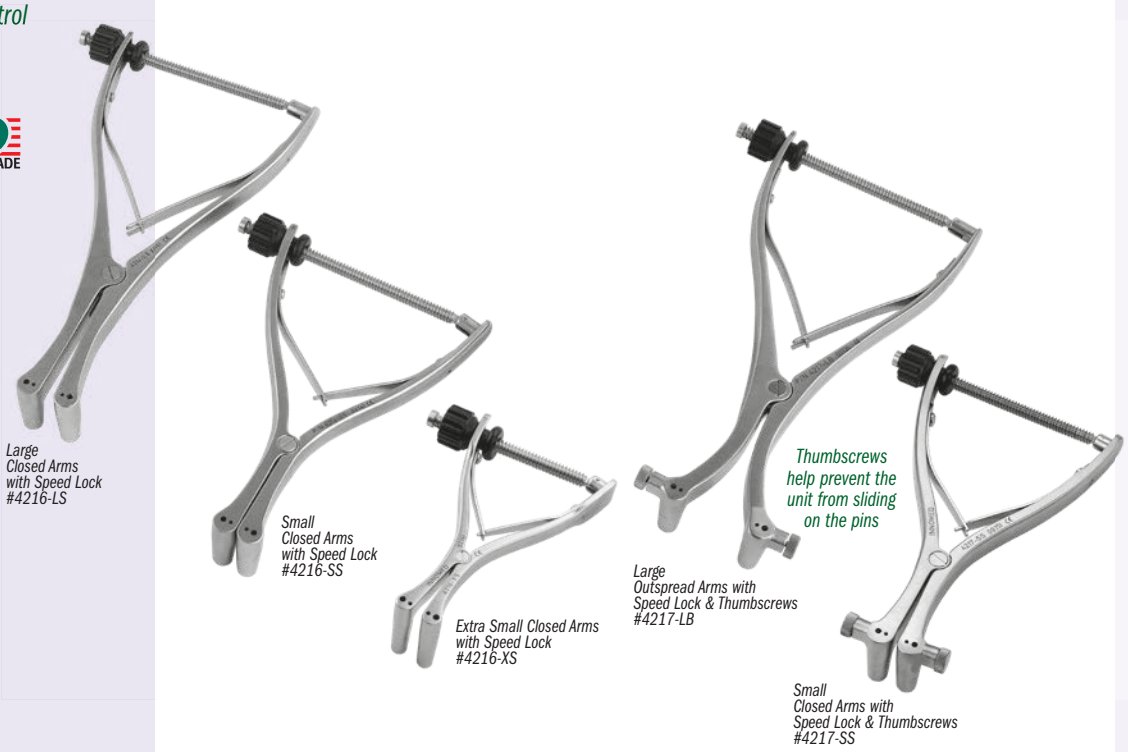
Joint, Calcaneal and Small Bone Compressor/Distractors with Speed Lock

Speed lock helps allow precise control and prevents unintended release

Two hole sizes allow for ease of pin size selection: .062" (1,6 mm) & .094" (2,4 mm)

USA MADE

PRODUCT NO'S:
CLOSED ARMS WITH SPEED LOCK
4216-LS [Large] *Holes Diameters: For .062" & .094" (1,6 & 2,4 mm) K-wire Pins* *Overall Length: 8" (20,3 cm)*
4216-SS [Small] *Holes Diameters: For .062" & .094" (1,6 & 2,4 mm) K-wire Pins* *Overall Length: 6" (15,2 cm)*
4216-XS [Extra Small] *Holes Diameters: For .062" & .094" (1,6 & 2,4 mm) K-wire Pins* *Overall Length: 4.5" (11,4 cm)*
OUTSPREAD ARMS WITH SPEED LOCK & THUMBSCREWS
4217-LB [Large] *Holes Diameters: For .062" & .094" (1,6 & 2,4 mm) K-wire Pins* *Overall Length: 8" (20,3 cm)*
CLOSED ARMS WITH SPEED LOCK & THUMBSCREWS
4217-SS [Small] *Holes Diameters: For .062" & .094" (1,6 & 2,4 mm) K-wire Pins* *Overall Length: 6" (15,2 cm)*



Large Closed Arms with Speed Lock #4216-LS

Small Closed Arms with Speed Lock #4216-SS

Extra Small Closed Arms with Speed Lock #4216-XS

Large Outspread Arms with Speed Lock & Thumbscrews #4217-LB

Small Closed Arms with Speed Lock & Thumbscrews #4217-SS

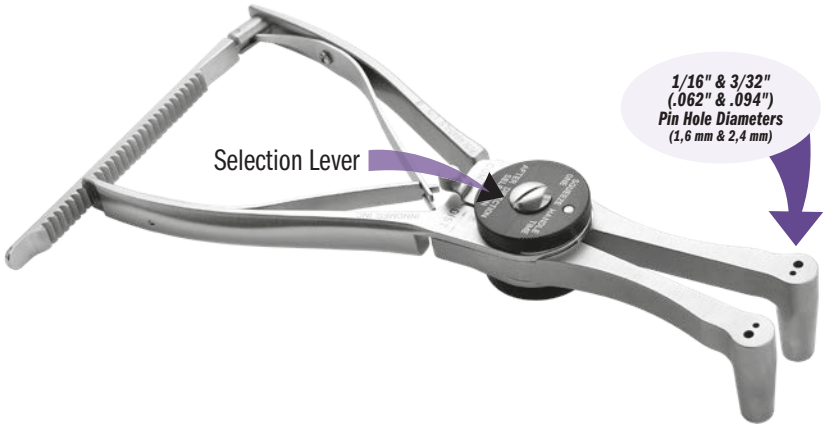
Joint, Calcaneal, Small Bone Compressor/Distractor

Selection lever switches the mechanism from compression to distraction

Simply squeeze the handle one time after direction selection to engage the mechanism. Two hole sizes for pin size selection.

USA MADE

PRODUCT NO:
4865-LS [Standard] *Overall Length: 8.5" (21,6 cm)* *Holes For: .062" & .094" (1,6 & 2,4 mm) K-wire Pins*



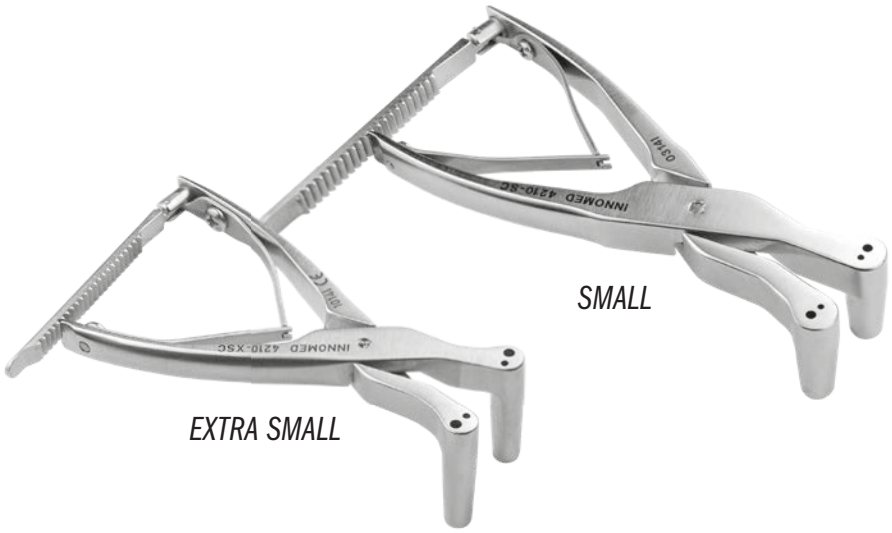
Joint, Calcaneal and Small Bone Compressors

Designed for compression in fracture and osteotomy procedures

Two hole sizes for ease of pin size selection: .062" (1,6 mm) & .094" (2,4 mm)

USA MADE

PRODUCT NO'S:
4210-SC [Small] *Overall Length: 6" (15,2 cm)*
4210-XSC [Extra Small] *Overall Length: 4.25" (10,8 cm)*



SMALL

EXTRA SMALL

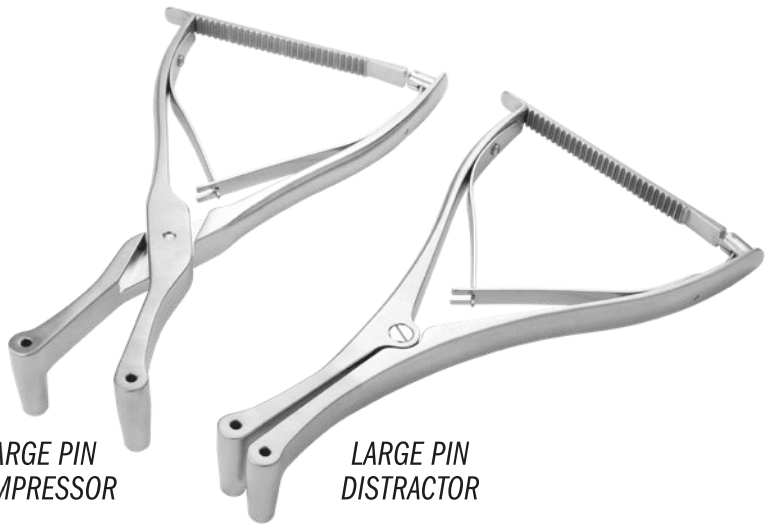
INNOMED

Joint, Calcaneal and Small Bone Distractors

Two hole sizes and two arm designs allow for easier pin size selection and helps with distraction in a variety of indications

PRODUCT NO'S:
OUTSPREAD ARMS
4210-LB [Large] *Holes Diameters: For .062" & .094" (1,6 & 2,4 mm) K-wire Pins* *Overall Length: 8" (20,3 cm)*
4210-SB [Small] *Holes Diameters: For .062" & .094" (1,6 & 2,4 mm) K-wire Pins* *Overall Length: 6" (15,2 cm)*
CLOSED ARMS
4210-LS [Large] *Holes Diameters: For .062" & .094" (1,6 & 2,4 mm) K-wire Pins* *Overall Length: 8" (20,3 cm)*
4210-SS [Small] *Holes Diameters: For .062" & .094" (1,6 & 2,4 mm) K-wire Pins* *Overall Length: 6" (15,2 cm)*
4210-XSD [Extra Small] *Holes Diameters: For .062" & .094" (1,6 & 2,4 mm) K-wire Pins* *Overall Length: 4.25" (10,8 cm)*

USA MADE



Large Pin Distractor and Compressor

Larger 1/8" (3,2 mm) pin hole size for extra sturdy distraction or compression

PRODUCT NO'S:
4233 [Large Pin Distractor] *Hole Diameters: For .125" (3,2 mm) K-wire Pins* *Overall Length: 8" (20,3 cm)*
4234 [Large Pin Compressor] *Hole Diameters: For .125" (3,2 mm) K-wire Pins* *Overall Length: 8" (20,3 cm)*

USA MADE

Joint, Calcaneal and Small Bone Distractors with Thumbscrews

Thumbscrews help prevent the unit from sliding on the pins

PRODUCT NO'S:
OUTSPREAD ARMS
4215-LB [Large] *Holes Diameters: For .062" & .094" (1,6 & 2,4 mm) K-wire Pins* *Overall Length: 8" (20,3 cm)*
4215-SB [Small] *Holes Diameters: For .062" & .094" (1,6 & 2,4 mm) K-wire Pins* *Overall Length: 6" (15,2 cm)*
CLOSED ARMS
4215-LS [Large] *Holes Diameters: For .062" & .094" (1,6 & 2,4 mm) K-wire Pins* *Overall Length: 8" (20,3 cm)*
4215-SS [Small] *Holes Diameters: For .062" & .094" (1,6 & 2,4 mm) K-wire Pins* *Overall Length: 6" (15,2 cm)*

USA MADE

Thumbscrew Modification Designed by Kelly McCormick, MD

SMALL BONE

Gurbani Joint Distractor/Compressor

Versatile joint distractor/compressor provides 360° freedom for arthroscopic or open procedures of foot, ankle, hand, and wrist joints

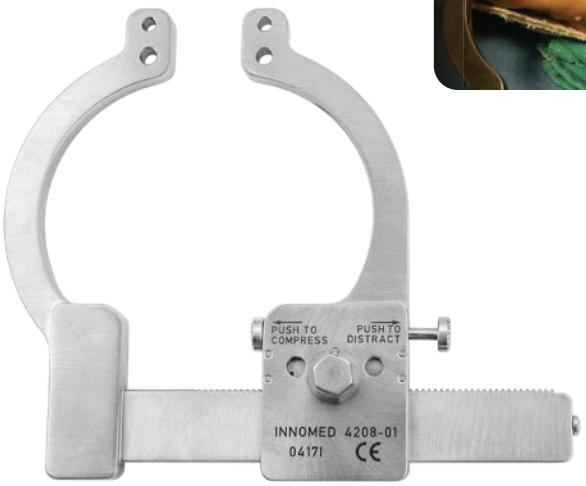
The surgeon puts the pins in the bone, then slides the holes of the device over the pins and distracts or compresses—the device can be locked in either direction. Especially useful for arthroscopy of subtalar, talo-navicular, calcaneo-cuboid, and wrist joints. The T-wrench helps provide precise, controlled manipulation.

Pin Hole Sizes: .15" (3,5 mm) and .182" (4,5 mm)

PRODUCT NO'S:
4208-00 [Set] *Includes: Distractor/Compressor, T-Wrench, and Case*
Available individually:
4208-01 [Distractor/Compressor Only] *Dimensions: 6" w x 5" h (15,2 cm x 12,7 cm)* *Distracts up to: 3" (7,6 cm) / Compresses down to: .5" (1,3 cm)*
4208-TW [T-Wrench] *Dimensions: 3" w x 3" h (7,6 cm x 7,6 cm)*
1025 [Sterilization Case]

Designed by Naren G. Gurbani, MD

USA MADE



Ortho Self-Retaining Retractor with Pin Guides

Designed for small joint use with pin guides that are set back to allow either direct distraction or distraction with pins

- Parallel pin guides allow pins up to 2 mm
- Serrated outside blades extend .4" (1 cm) beyond end of guides

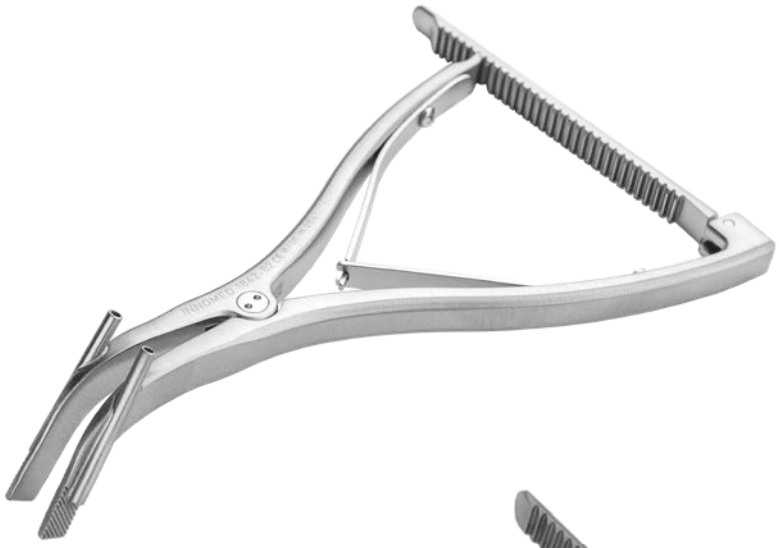
Uses include:

- Osteotomy distraction (such as the Evans or Cotton in the foot)
- Joint distraction for arthodesis or lengthening applications
- Fracture distraction

PRODUCT NO:
1842-02 *Overall Length: 6.5" (16,5 cm)* *Blade Width: 7 mm* *Blade Extension (beyond guides): .4" (1 cm)* *Blade Thickness: 1.68 mm* *Pin Guide Length: 1.25" (3,2 cm)* *Pin Guide Internal Diameter: .085" (2,1 mm)*

Designed by Sean Dunn, DPM

USA MADE



Weinraub Joint and Calcaneal Spreader

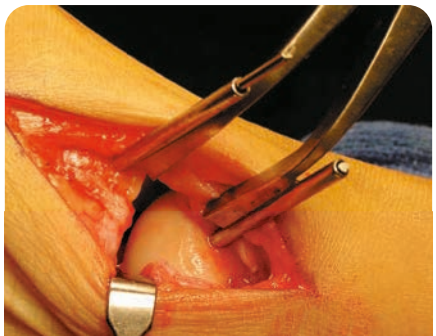
Designed to assist in the opening of small joints of the hand and foot for the application of fusion and graft techniques

Provides excellent joint exposure without blocking intra-articular or osteotomy access. Helps prevent slippage or falling out of the joint by placing the arms on either side of the area to be distracted, driving two pins and opening the joint.

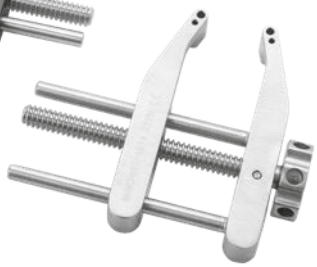
PRODUCT NO'S:
Overall Length: 7" (17,8 cm)
1870 *Up to .062" (1/16") (1,6 mm) Pin Diameter*
1872 *Up to .11" (7/64") (2,8 mm) Pin Diameter*

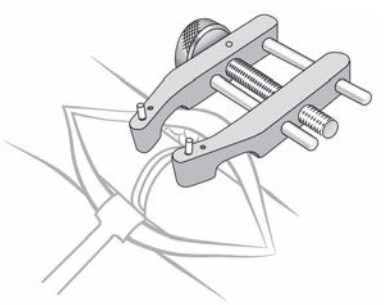
MADE EXCLUSIVELY FOR INNOMED IN GERMANY

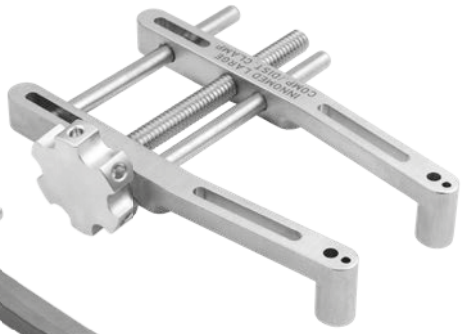
Designed by Glenn M. Weinraub DPM, FACFAS



Radiolucent arms







Radiolucent arms

HFD Compressor/Distractors – Small

Dial mechanism helps allow precise control of inserted wires in small bone surgery—for maintaining a position, compressing or distracting

- Two hole sizes allow for ease of pin size selection: .045" (1,1 mm) & .062" (1,6 mm)
- A .125" (3,2 mm) pin can be used in the holes of the thumbwheel for leverage.
- Radiolucent arms are a PEEK/Carbon Fiber composite.
- Both models are steam sterilizable.

PRODUCT NO'S:
1834 [All Stainless Steel] *Dimensions: 50 mm x 55 mm*
1834-R [With Radiolucent Arms] *Dimensions: 50 mm x 55 mm*

USA MADE

HFD Compressor/Distractor – Large

Dial mechanism helps allow precise control of inserted wires—for maintaining a position, compressing or distracting

- Two hole sizes allow for ease of pin size selection: .082" (2,0 mm) & .125" (3,2 mm)
- A .125" (3,2 mm) pin can be used in the holes of the thumbwheel for leverage.
- Radiolucent arms are a PEEK/Carbon Fiber composite.
- Both models are steam sterilizable.

PRODUCT NO'S:
1836 [All Stainless Steel] *Overall Length: 4" (10,2 cm)* *Maximum Arm Opening: 2.25" (5,7 cm)*
1836-R [With Radiolucent Arms] *Overall Length: 4" (10,2 cm)* *Maximum Arm Opening: 2.25" (5,7 cm)*

USA MADE

Double Holes

Single Hole

Wurapa Small Joint Compressor and Distractor

Designed to allow one-handed manipulation and deployment once fixation pins are placed

Pins should be cut short above the pin guides to allow full access to the operative site.

Designed to simplify several small joint procedures:

- Preparation of small bone non-unions before bone grafting and fixation
- Preparation of small joints for arthrodesis (e.g. partial wrist fusion)
- Distract and better evaluate small joints before determining final management
- Useful for intercarpal stabilization while performing ligament reconstructions (e.g. scapholunate ligament repair/reconstruction)

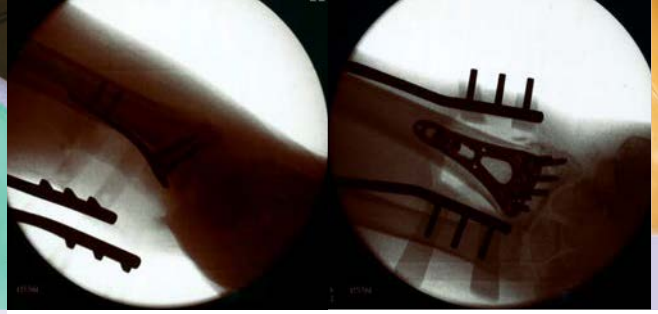
Designed by Raymond K. Wurapa, MD

PRODUCT NO'S:
Double .045" (1,1 mm) & .062" (1,6 mm) Holes
1751 [Compressor] *Compresses From: 28 mm* *Overall Length: 4.625" (11,7 cm)*
1752* [Distractor] *Distracts to: 46 mm* *Overall Length: 4.625" (11,7 cm)*
Single .045" (1,1 mm) Hole
1753 [Compressor] *Compresses From: 28 mm* *Overall Length: 4.5" (11,4 cm)*
1754 [Distractor] *Distracts to: 46 mm* *Overall Length: 4.5" (11,4 cm)*

Available with two hole sizes on each instrument!

MADE EXCLUSIVELY FOR INNOMED IN GERMANY

* USA MADE



Dodson Modular Retractor

Designed to help expose a small to medium size bone for internal fixation—can be used for distal radius, ulna, humerus, and fibula fractures

Allows the limb to be rotated (pronated or supinated) without loss of exposure. The hohmann retractors have three hole sizes which allow for a variety of positioning angle options using the teeth of the self-retaining retractor, or can also be positioned in-between the teeth. The hohmann is placed around the bone, and thus reduces the force on the soft tissues while increasing exposure. Can be used in the forearm to treat radius and ulna shaft fractures, humerus fractures, as well as in the leg for fibula fractures.

Set consists of one self-retaining retractor, two stainless steel mini-hohmann retractor blades, and a sterilization case. Radiolucent mini-hohmann retractor blades are optional.

PRODUCT NO:
1838-00 [Set]
Included in Set / Replacement Parts:
1838-01 [Retractor Only] *Overall Length: 5.5" (14cm)*
1838-02 [Stainless Steel Blade Only – One] ***Two included in set, one with this product number*** *Overall Length: 5.25" (13,3cm)* *Blade Width: 3/8" (9mm)*
1025 [Sterilization Case Only]
Optional Parts:
1838-02R* [Radiolucent Blade Only – One] *Overall Length: 5.25" (13,3cm)* *Blade Width: 3/8" (9mm)*

Designed by Mark A. Dodson, MD

US Patent No. 9,161,745 B2

MADE EXCLUSIVELY FOR INNOMED IN GERMANY

* MADE EXCLUSIVELY FOR INNOMED IN SWITZERLAND

Optional radiolucent carbon fiber PEEK composite blade

The radiolucent blade is made of a strong, lightweight carbon fiber PEEK composite material, which is completely radiolucent, helps to prevent from marring component surfaces, and can be steam sterilized.

Chung Weitlaner Retractor

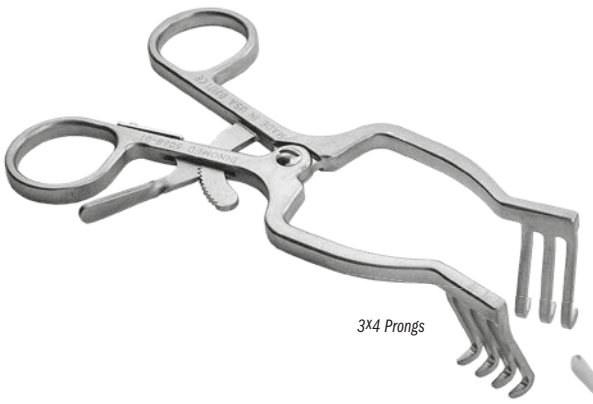
Longer prongs allow use in a small, but deep wound

USA MADE

Prong lengths of 25 mm and 30 mm available with either sharp or blunt tips

Designed by Raymond Chung, MD

PRODUCT NO'S:	
Blunt Tips	***Sharp Tips***
5065 [2x3 Prongs] *Blade Depth: 25 mm* *Overall Length: 4.5" (11,4 cm)*	5066 [2x3 Prongs] *Blade Depth: 25 mm* *Overall Length: 4.5" (11,4 cm)*
5065-01 [3x4 Prongs] *Blade Depth: 25 mm* *Overall Length: 4.5" (11,4 cm)*	5066-01 [3x4 Prongs] *Blade Depth: 25 mm* *Overall Length: 4.5" (11,4 cm)*
5067 [2x3 Prongs] *Blade Depth: 30 mm* *Overall Length: 4.5" (11,4 cm)*	5068 [2x3 Prongs] *Blade Depth: 30 mm* *Overall Length: 4.5" (11,4 cm)*
5067-01 [3x4 Prongs] *Blade Depth: 30 mm* *Overall Length: 4.5" (11,4 cm)*	5068-01 [3x4 Prongs] *Blade Depth: 30 mm* *Overall Length: 4.5" (11,4 cm)*



3x4 Prongs

2x3 Prongs

INNOMED

Wurapa Swivel Blade Forearm Retractor

Designed for forearm and wrist fracture exposure, the blades swivel for less stress on soft tissue

Swivel-blade technology helps to allow parallel deployment of retractor blades to maximize wound exposure and minimize edge loading on surrounding soft tissues. Parallel deployment of the retractor blades also helps prevent rotation and migration of the retractor during a procedure.

PRODUCT NO'S:
1646-00 [Set] *Includes Retractor and Two Swivel Blades*
Also available individually:
1646-01 [Retractor] *Overall Length: 5.125" (13 cm)* *Opens to: 2.5" (6,4 cm)*
1646-02 [Swivel Blade] *One blade with this product number, two included in set* *Width: .9375" (24 mm)* *Depth: .75" (19 mm)*

USA MADE

Designed by Raymond Wurapa, MD

Left

Right

Williams Distal Radius Fracture Retractor

Designed to provide excellent exposure during fracture reduction and plating

Long straight arms allow parallel retraction of the incision, while the deep blades with a pronounced distal "curl" help maintain soft tissue retraction.

The solid, concave ulnar blade helps prevent soft tissue from being captured by the drill bit when drilling the ulnar holes, and helps to protect the median nerve and flexor tendons.

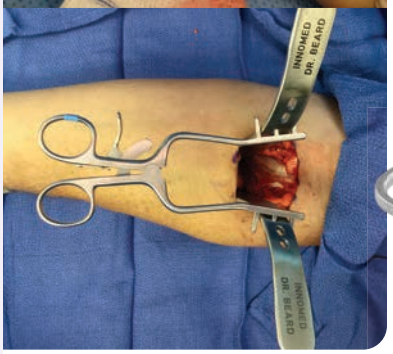
The radial side blade is a deep blunt tip Wietlaner-style.

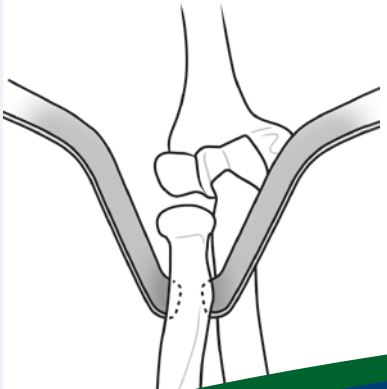
Two .045" (1,1 mm) guidewire holes are attached to the arms just proximal to both blades. The holes are angled in slightly varying directions to allow choice of placement of stabilizing pins into the distal radius to prevent rotation or migration of the retractor.

USA MADE

PRODUCT NO'S:	
1837-L [Left] *For Pins up to .045" (1,1 mm)* *Overall Length: 4.5" (11,4 cm)* *Blade Depth: 20 mm* *Blade Width: 12.5 mm*	1837-R [Right] *For Pins up to .045" (1,1 mm)* *Overall Length: 4.5" (11,4 cm)* *Blade Depth: 20 mm* *Blade Width: 12.5 mm*

Designed by Craig S. Williams, MD and Eric Dahlinger





Beard Distal Bicep Retractor

Designed to help optimize surgical exposure during anterior single incision distal biceps tendon reinsertion

The blade design features an anatomically contoured distal end to hug the radius cortex. The smooth distal end helps to avoid deep penetration, and the width matches the width of the distal biceps tendon insertion site. The narrow curved handle design helps to optimize workspace and visualization. Sold as a set, or available individually for replacement.

PRODUCT NO'S:
5834-00 [Set – Retractor & Two Blades]
Available Individually:
5834-01 [Blade] *1 blade with this product number* *Overall Length: 6.375" (16,2 cm)* *Width: .625" (16 mm)*
5834-02 [Self-retaining Retractor] *Overall Length: 7.5" (19,1 cm)*

USA MADE

Designed by David Beard, MD

SMALL BONE

Faillace Ambidextrous Self-Retaining Retractor

Handle can be rotated away from the surgeon after insertion if desired

PRODUCT NO'S:
1580 [7 Teeth] *Overall Length: 7.5" (19,1 cm)* *Prong Depth: 38 mm* *Prong Width: 34 mm*
1579 [4 Teeth] *Overall Length: 6" (15,2 cm)* *Prong Depth: 38 mm* *Prong Width: 18 mm*
1579-01 [Small – 4 x3 Teeth] *Overall Length: 5.25" (13,3 cm)* *Prong Depth: 20 mm* *Prong Width: 18 mm / 13 mm*

Designed by John J. Faillace, MD

USA MADE

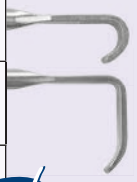
Chung T-Handle Retractors

Designed with a T-handle for easier holding and to help reduce finger and thumb fatigue

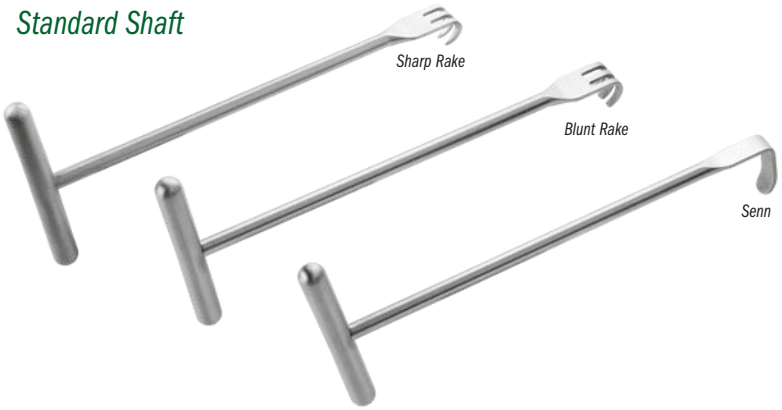
PRODUCT NO'S:
1159 [Sharp Rake] *Overall Length: 4.625" (11,7 cm)* *Blade Width: 9 mm* *Blade Depth: 7 mm*
1161 [Blunt Rake] *Overall Length: 4.625" (11,7 cm)* *Blade Width: 9 mm* *Blade Depth: 7 mm*
1162 [Senn] *Overall Length: 4.625" (11,7 cm)* *Blade Width: 6 mm* *Blade Depth: 16 mm*
1159-01 [Extended Sharp Rake] *Overall Length: 5.625" (14,4 cm)* *Blade Width: 9 mm* *Blade Depth: 7 mm* New!
1161-01 [Extended Blunt Rake] *Overall Length: 5.625" (14,4 cm)* *Blade Width: 9 mm* *Blade Depth: 7 mm* New!
1162-01 [Extended Senn] *Overall Length: 5.625" (14,4 cm)* *Blade Width: 6 mm* *Blade Depth: 16 mm* New!

Designed by Raymond Chung, MD

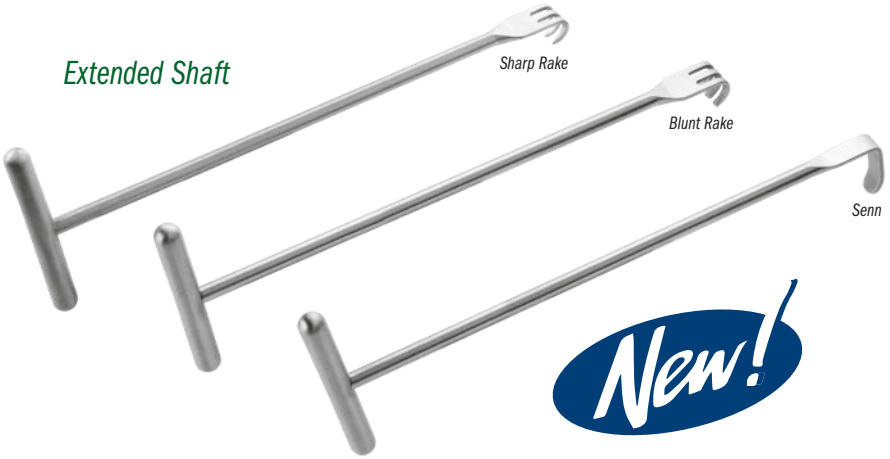
USA MADE



Standard Shaft



Extended Shaft



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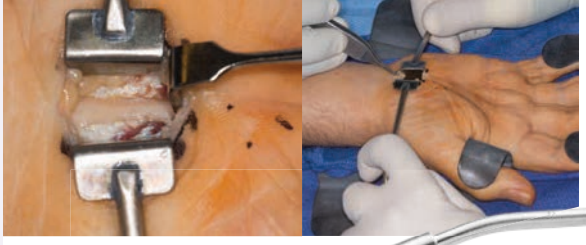


Kakar Carpal Tunnel Retractors

Designed for maximum ergonomic positioning and soft tissue retraction to permit release of the transverse carpal ligament through a mini open technique

PRODUCT NO'S:
1126 [Small] *Overall Length: 6" (15,2 cm)* *Blade: 15 mm Wide x 11 mm Tall*
1127 [Large] *Overall Length: 6" (15,2 cm)* *Blade: 20 mm Wide x 15 mm Tall*

Designed by Sanj Kakar, MD

USA MADE

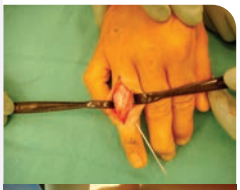
Modified Mini Hohmann Retractors

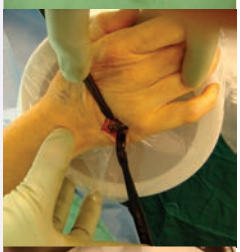
Used for small bone surgery

USA MADE

Designed by Jeffrey Lawton, MD

PRODUCT NO'S:	
1665 [Narrow, Deep] *Overall Length: 5.875" (14,9 cm)* *Blade Width: 6 mm* *Blade Drop: 35 mm*	1666 [Wide, Deep] *Overall Length: 5.875" (14,9 cm)* *Blade Width: 8 mm* *Blade Drop: 35 mm*
1665-01 [Narrow, Short] *Overall Length: 5.5" (14 cm)* *Blade Width: 6 mm* *Blade Drop: 17 mm*	1666-01 [Wide, Short] *Overall Length: 5.5" (14 cm)* *Blade Width: 8 mm* *Blade Drop: 17 mm*





OrthoLucent™ Mini Hohmann Retractors

Radiolucent, lightweight retractors

MADE EXCLUSIVELY FOR INNOMED IN SWITZERLAND

The carbon fiber PEEK material is strong, lightweight, completely radiolucent, can be steam sterilized, and helps to prevent from marring component surfaces.

Designed by Jeffrey Lawton, MD

PRODUCT NO'S:	
1594-R [8 mm Blade] *Overall Length: 6.875" (17,5 cm)* *Blade Width: 8 mm*	1597-R [16 mm Blade] *Overall Length: 6.875" (17,5 cm)* *Blade Width: 16 mm*

J.B. Redler Retractor

Uniquely balanced retractor for bone exposure for a multitude of upper extremity procedures

Double-angle design allows for ideal exposure with minimal effort to hold the retractor, while the assistant's hands are well out of the way of the exposure. The aperture in the base of the handle allows the retractor to be attached via a Penrose drain to the table for hands-free approach.

PRODUCT NO:
1645 *Overall Length: 5" (12,7 cm)*

Designed by M.R. Redler, MD

MADE EXCLUSIVELY FOR INNOMED IN GERMANY

K-Wire Bender/Cutter

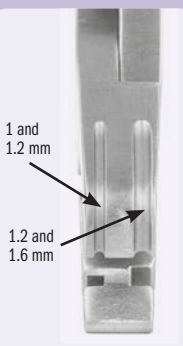
Designed to bend a K-wire while extending from bone without applying mechanical strain

The K-wire only needs to extend 20 mm from the skin surface to be bent.

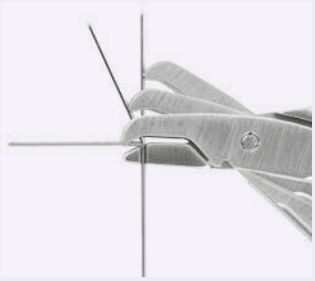
PRODUCT NO:
2111
Overall Length: 6.5" (16,5 cm)

USA MADE

Can bend and cut K-wires measuring 1 to 1.6 mm (.039-.062") in diameter



The right slot of the instrument's lower jaw can hold K-Wires with a diameter of 1.2 mm or 1.6 mm. The smaller left slot can hold K-Wires measuring 1 mm or 1.2 mm in diameter.



Bending

With the jaw of the instrument opened wide, the K-Wire is inserted from the side into one of the slots of the lower jaw. During bending, the K-Wire is forced backwards by the nose of the upper jaw and guided by a small groove.

Cutting

The K-Wire is inserted into the cutting groove and the bender/cutter cuts by shearing (like a cigar cutter), not crushing. The result is a clean and burr-free cut surface.

Wire Bender

Designed to bend wire up to .062"/1.6 mm

PRODUCT NO:
2024
Overall Length: 5.5" (14 cm)

USA MADE

Pin Puller - Small

Small size allows for use in a small incision to help with removal of a 2 mm or smaller k-wire pin

PRODUCT NO:
3033
Overall Length: 6.5" (16,5 cm)
Jaw Width: 6,2 mm tapering to 3 mm at end
Jaw Height: 11,7 mm

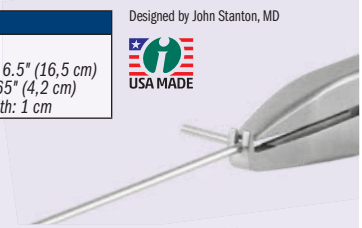
USA MADE

Stanton Bent Pin Removal Pliers

PRODUCT NO:
1894
Overall Length: 6.5" (16,5 cm)
Jaw Length: 1.65" (4,2 cm)
Instrument Width: 1 cm

Designed by John Stanton, MD

USA MADE



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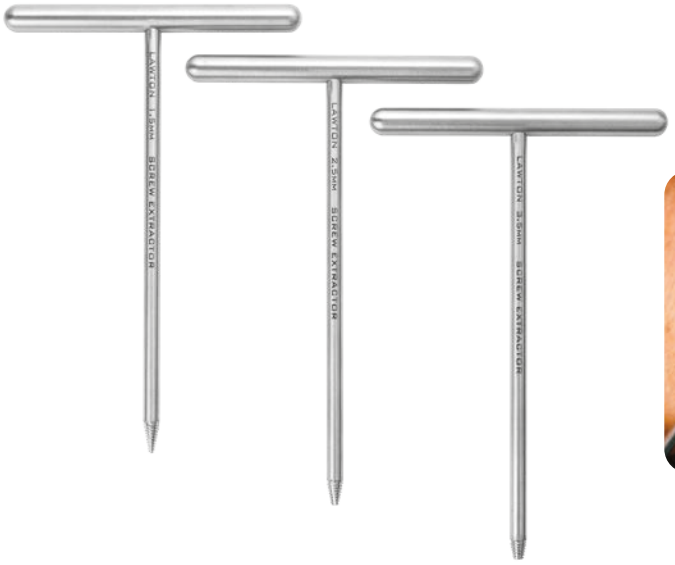


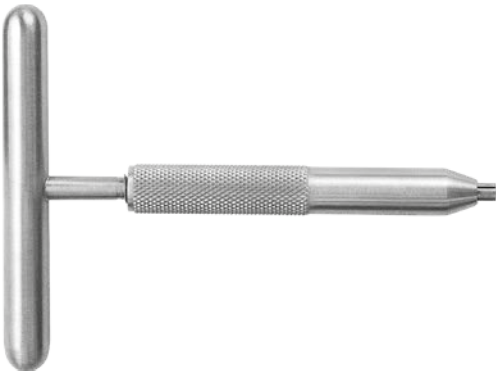
Lawton Screw Extractors

Designed to help extract mini and micro fragment screws; small cannulated screws; or headless screws

PRODUCT NO'S:
7653-00 [Set of Three with Case]
Individual Parts:
7653-01 [1.5 mm Screw Extractor] *Overall Length: 6" (15,2 cm)* *Handle Width: 4" (10,2 cm)*
7653-02 [2.5 mm Screw Extractor] *Overall Length: 6" (15,2 cm)* *Handle Width: 4" (10,2 cm)*
7653-03 [3.5 mm Screw Extractor] *Overall Length: 6" (15,2 cm)* *Handle Width: 4" (10,2 cm)*
1025 [Sterilization Case]

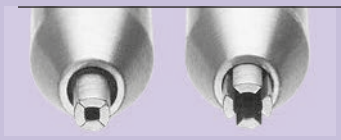
Designed by Jeffrey Lawton, MD

USA MADE



Lawton Broken Screw Extractor

Designed to help remove broken or stripped screws (1 mm-2 mm)



PRODUCT NO:
7653-04 *Overall Length: 4" (10,2 cm)* *Handle Width: 3" (7,6 cm)*

Designed by Jeffrey Lawton, MD

USA MADE

Gelbke Cobb Elevator with Suction

Designed to be used during exposure of the posterior spine, as well as for pelvic and acetabular trauma cases

PRODUCT NO:
3433 *Overall Length: 12.75" (32,4 cm)* *Cobb End Width: 18 mm (.7")* *Shaft plus Head Length: 5.5" (15 cm)*

Designed by Martin K. Gelbke, MD

USA MADE

New!

Gupta Extended Osteotome

Designed to help cut bone and cartilage in procedures such as facetectomies and vertebrectomies

PRODUCT NO:
5233 *Overall Length: 11" (27,9 cm)* *Blade Width: .5" (13 mm)*

Designed by Munish C. Gupta, MD

USA MADE

Gupta Disc Space Spreaders with Easy Release Locking Mechanism

Designed to distract open collapsed disc spaces

Locking ratchet mechanism helps prevent accidental release, and provides for controlled adjustment and easy release.

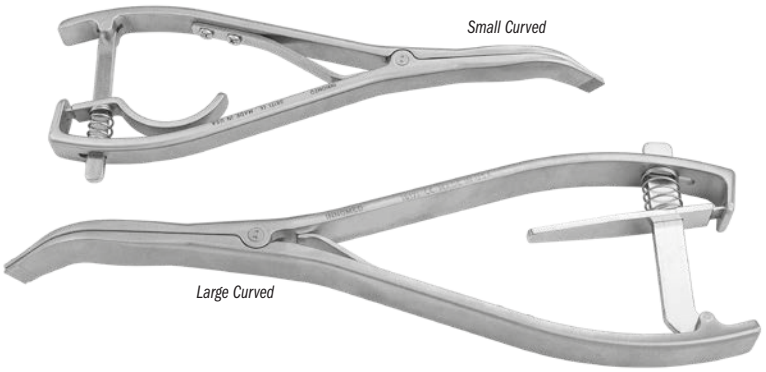
Designed by Munish C. Gupta, MD

USA MADE

PRODUCT NO'S:
4290 [Standard Straight] *Overall Length: 8.5" (21,6 cm)* *Blade Width: 10 mm* *Blade Thickness - Closed: 3 mm* *Opens to: 22 mm*
4291 [Large Straight] *Overall Length: 11.5" (29,2 cm)* *Blade Width: 13 mm* *Blade Thickness - Closed: 4 mm* *Opens to: 25 mm*
4292 [Standard Curved] *Overall Length: 9.25" (23,5 cm)* *Blade Width: 10 mm* *Blade Thickness - Closed: 3 mm* *Opens to 22 mm*
4293 [Large Curved] *Overall Length: 12.5" (31,8 cm)* *Blade Width: 13 mm* *Blade Thickness - Closed: 4 mm* *Opens to: 25 mm*

Small Straight

Large Straight



Small Curved

Large Curved

Ortho Self-Retaining Retractors

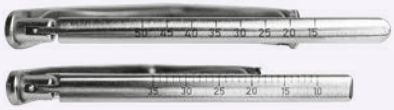
Calibrated ratchet is used to accurately measure the size of opening – useful in procedures to help assess bone graft needs

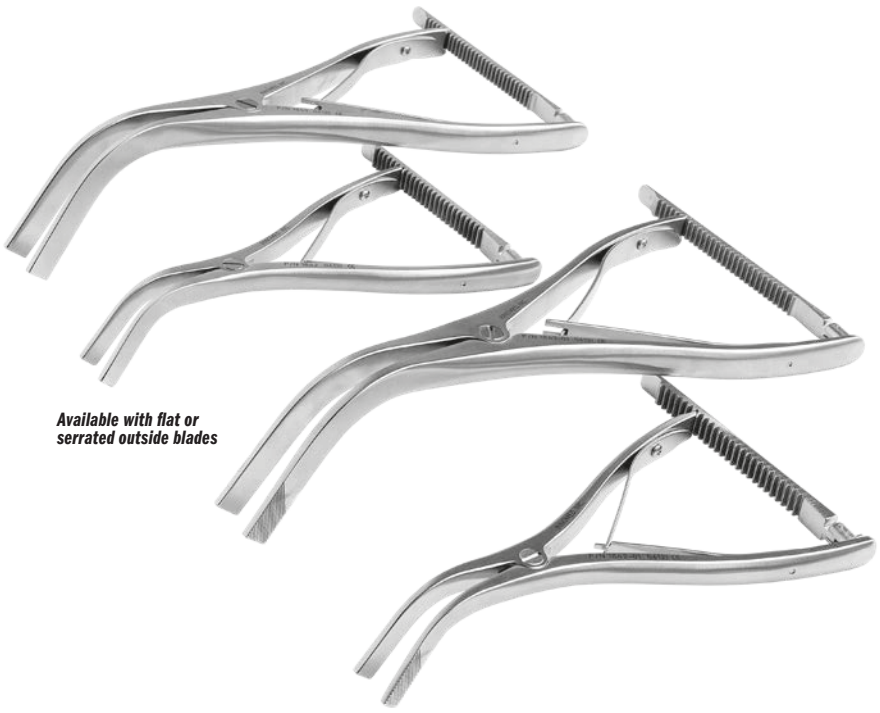
- Features a no-teeth design, available with flat or serrated outside blades
- Also useful in knee replacement surgery to separate the femur and tibia, where the calibrated design can be used to help balance ligaments
- Also useful in foot & ankle surgery

USA MADE

PRODUCT NO'S:	
Flat Outside Pads	***Serrated Outside Pads***
1842 [Small Flat] *Overall Length: 6.5" (16,5 cm)* *Blade Width: 7 mm* *Blade Thickness: 1.68 mm*	1842-01 [Small Serr.] *Overall Length: 6.5" (16,5 cm)* *Blade Width: 7 mm* *Blade Thickness: 1.68 mm*
1843 [Medium Flat] *Overall Length: 9.25" (23,5 cm)* *Blade Width: 10 mm* *Blade Thickness: 1.68 mm*	1843-01 [Medium Serr.] *Overall Length: 9.25" (23,5 cm)* *Blade Width: 10 mm* *Blade Thickness: 1.68 mm*

Calibrated ratchet (in mm).





Available with flat or serrated outside blades

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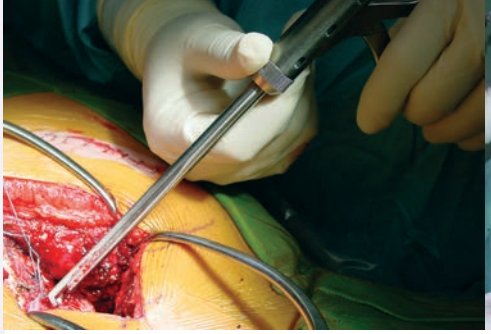


Rogozinski Rotating Rongeur

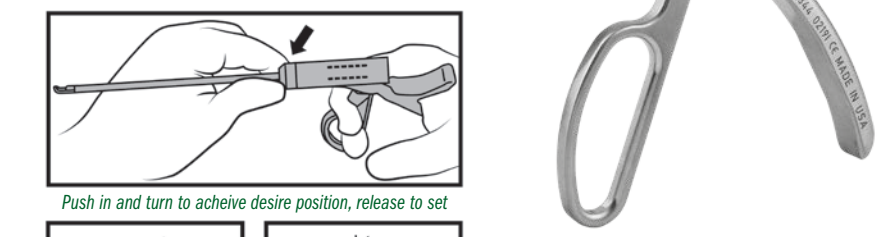
Designed with cutting direction adjustments of 360°, allowing the instrument to be held in an ergonomic position for enhanced control, strength and precision

- Locks every 30° of rotation: push in and turn to achieve the desired position, release to set
- Bone fragment ejector holes along the underside and on the tip of the barrel
- Each ronguer comes with one Bone Push Rod, designed to help push bone fragments out

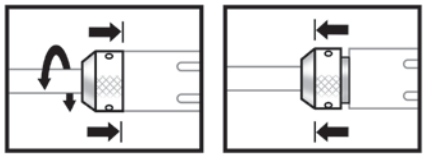
PRODUCT NO'S:
5007-4MM [4mm Rongeur / Bone Push Rod Kit]
5007-5MM [5mm Rongeur / Bone Push Rod Kit]
Also available individually:
5007-4MM-01 [4 mm/70° Rongeur] *Overall Length: 13" (45,7 cm)* *Shaft Length: 7" (17,8 cm)* *Jaw Bite Width: 4 mm*
5007-5MM-01 [5 mm/70° Rongeur] *Overall Length: 13" (45,7 cm)* *Shaft Length: 7" (17,8 cm)* *Jaw Bite Width: 5 mm*
5007-BPR [Bone Push Rod] *Overall Length: 4.75" (12,1 cm)*

Designed by Chaim Rogozinski, MD and Abe Rogozinski, MD

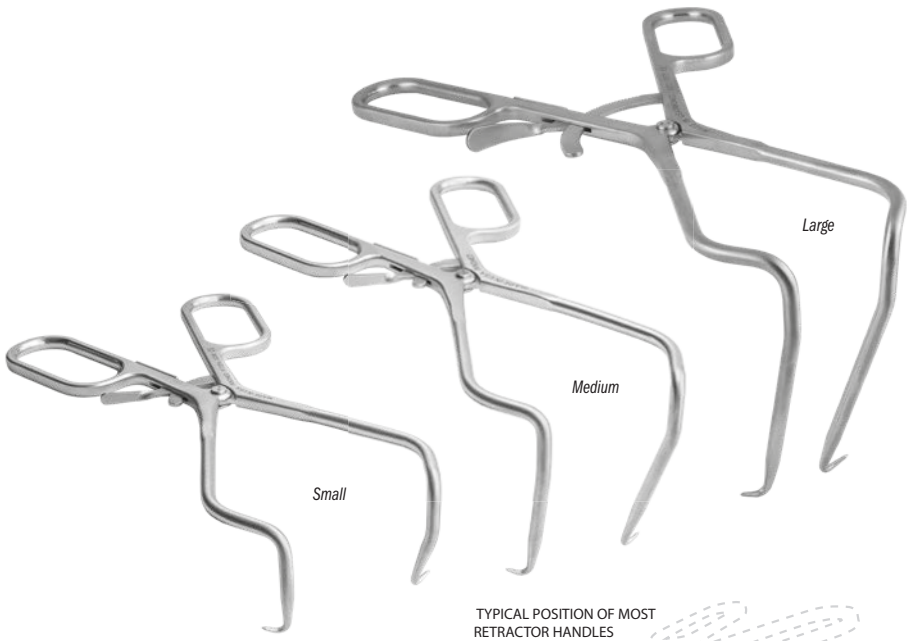
USA MADE

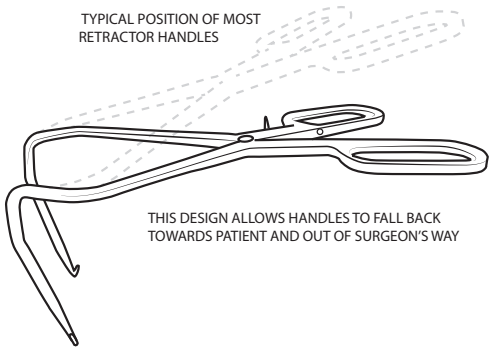


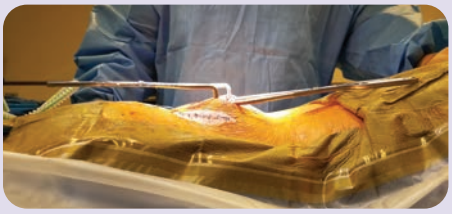
Push in and turn to acheive desire position, release to set



Bone Push Rod
One Included with Each Rongeur







Rogozinski Reverse Angle Retractors

Designed to be self-leveling, helping to maintain the body of the retractor on the patient for soft tissue retraction and out of the surgeons field, with finger loops designed for use with either hand

Designed for spine but can be used for other surgeries as well.

PRODUCT NO'S:	
4272 [Large] *Overall Length: 9" (22,9 cm)* *Length to Bend: 8.5" (21,6 cm)* *Depth: 4.25" (10,8 cm)*	USA MADE Designed by Chaim Rogozinski, MD
4273 [Medium] *Overall Length: 8" (20,3 cm)* *Length to Bend: 8" (20,3 cm)* *Depth: 3" (7,6 cm)*	4274 [Small] *Overall Length: 8" (20,3 cm)* *Length to Bend: 8" (20,3 cm)* *Depth: 1.75" (4,4 cm)*

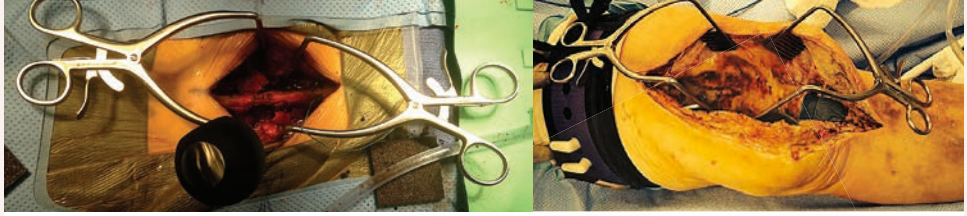
Trauma/Spine Deep Tissue Retractor

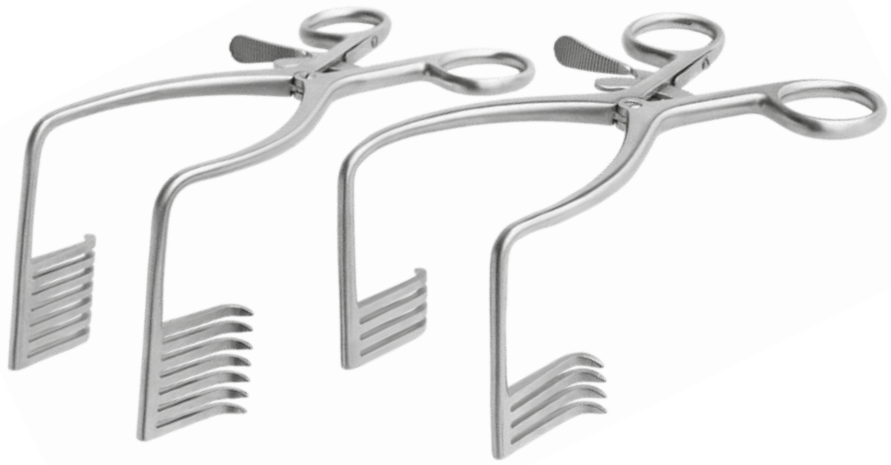
Designed to help maximize exposure with 90° arms and deep tissue blades

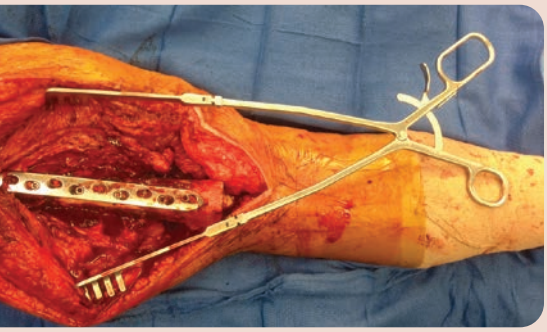
The retractor arms are available in configurations of 7 or 4 teeth.

MADE EXCLUSIVELY FOR INNOMED IN GERMANY

PRODUCT NO'S:
1862 [4 Teeth] *Overall Length: 7.5" (19,1 cm)* *Handle-to-Bend Length: 6" (15,2 cm)* *Drop Depth: 3.25" (8,3 cm)* *Prongs: 1.5" Long x .75" Wide (38 mm x 19 mm)*
1863 [7 Teeth] *Overall Length: 7.5" (19,1 cm)* *Handle-to-Bend Length: 6" (15,2 cm)* *Drop Depth: 3.25" (8,3 cm)* *Prongs: 1.5" Long x 1.375" Wide (38 mm x 35 mm)*







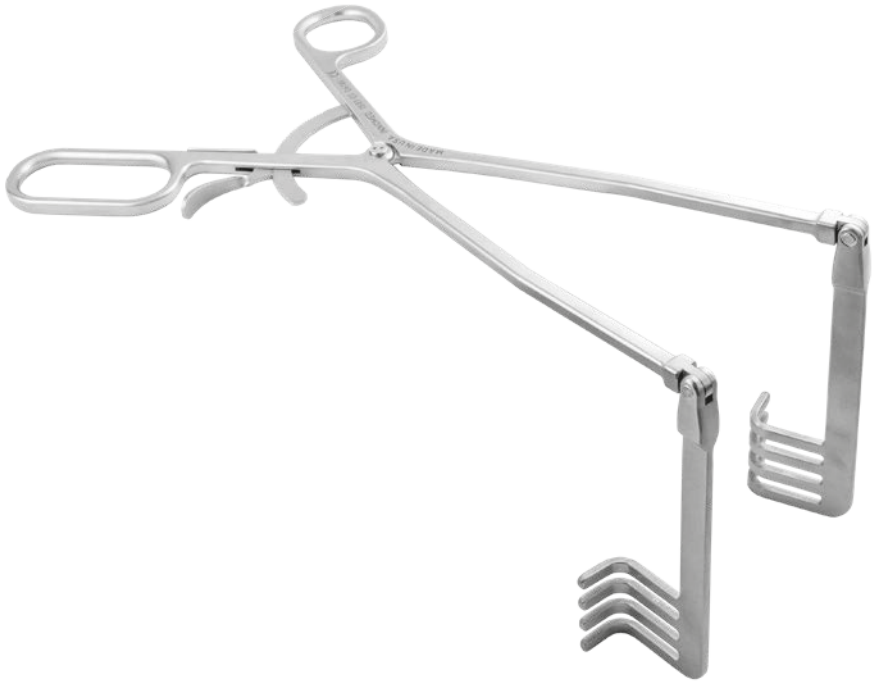
Large Exposure Self-Retaining Retractor

Designed for effective exposure of large wounds

PRODUCT NO:
1581-01 *Overall Length (flat): 15.75" (40 cm)* *Leg Depth from Bend: 5.25" (13,3 cm)*

Designed by Vincent Ng, MD

USA MADE

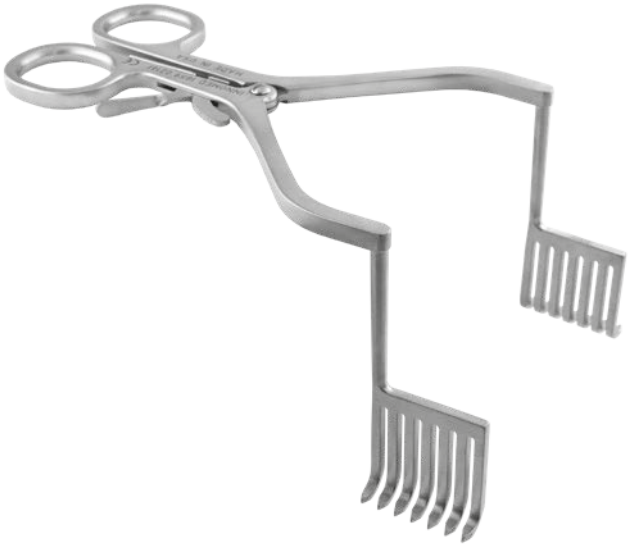


Double Bent Extended Deep Tissue Retractor

Designed to help maximize exposure with 90° arms and deep tissue blades

PRODUCT NO:
1859 *Overall Length: 8" (20,3 cm)* *Handle-to-Bend Length: 6" (15,2 cm)* *Drop Depth: 3" (7,6 cm)* *Prongs: 1.375" Deep x 1.375" Wide (3,5 cm x 3,5 cm)*

USA MADE



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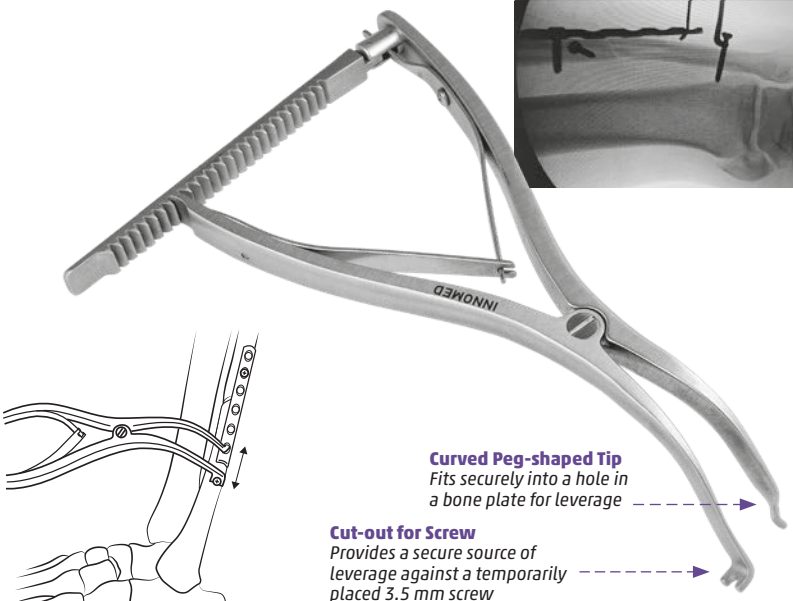
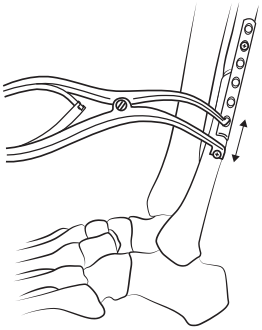




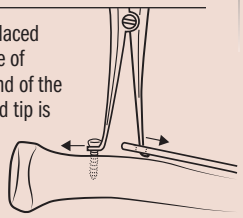
Curved Peg-shaped Tip
Fits securely into a hole in a bone plate for leverage

Cut-out for Screw
Provides a secure source of leverage against a temporarily placed 3.5 mm screw

Wixted Fracture Distractor

Designed to provide opposing leverage to help bring the fibula (or other bone) back out to its proper length after it has been shortened by a fracture

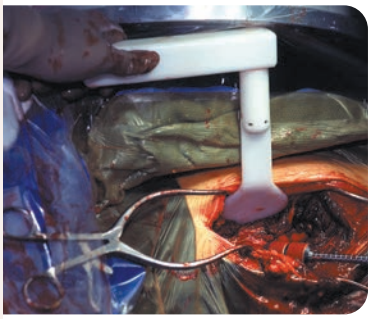
A 3.5 mm screw is temporarily placed above a plate, providing a source of leverage for the screw holding end of the distractor. The curved peg-shaped tip is then placed into a hole in the bone plate, and the distractor is activated to bring the bone back to its proper length before fixation.

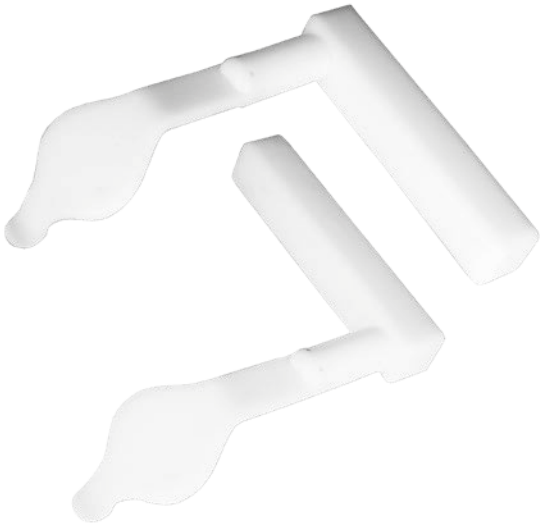


Designed by John J. Wixted, MD

PRODUCT NO:
1882 *Overall Length: 7" (17,8 cm)*

USA MADE





Dozier Radiolucent Bennett Hip Fracture Retractor

Can be kept in place while using image intensification or taking an x-ray

Designed to be used in hip fractures with the advantage that the retractor can be kept in place while using image intensification or taking an x-ray. The handle can be rotated to the right or left for surgeon preference. May be steam or gas sterilized.

PRODUCT NO:
6870 *Handle Length: 6.75" (17,1 cm)* *Blade Length: 8.5" (21,6 cm)* *Blade Width at Widest: 67 mm*

Designed by John K. Dozier, MD

USA MADE

Fig. 1: Diaphyseal fractures with clamps

Fig. 2: Intra-articular fracture using pins

Femur/Tibia Fracture Distractor

Use with most bone clamps for overlapped diaphyseal fractures (fig. 1) or 6 mm Schanz pins to distract intra-articular fractures (fig. 2) for reduction and fixation

Bone clamps and Schanz pins not included.

USA MADE

PRODUCT NO'S:
1809 *Overall Length: 10.5" (26,7 cm)* *Overall Width: 7.25" (18,4 cm)* *For Pins Up To: .25" (6,4 mm)*
Individual/Replacement Parts:
1809-02 [Pivot Block]
1809-03 [Frame *(no pivot blocks or moveable arm)*]
1809-04 [Moveable Arm *(no pivot block or handle)*]
1809-05 [Handle]

A portion of all proceeds goes to SIGN Fracture Care International, a 501(c)(3) non-profit, to promote equality of fracture care in developing countries. signfracturecare.org

AK Fracture Reducer

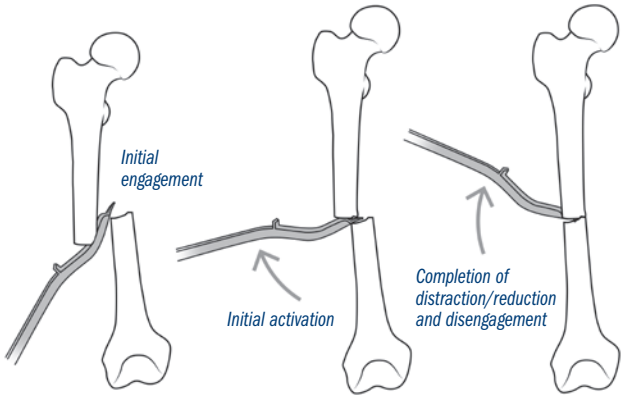
Designed to help reduce long bone fractures of the femur and tibia, especially helpful with shortened long bone fractures due to young, strong musculature in acute trauma, or neglected fractures due to overriding circumstances or late referral

- The curved, serrated tip helps to wedge and hold the reducer in place
- The curved trough side of the reducer helps capture and control the bone while leverage is applied
- Once in place, by pushing on the T-handle, the surgeon uses the reducer to help move the bones into alignment for plating or rodding

PRODUCT NO:
3870 *Overall Length: 12.5" (31,8 cm)* *Blade Width: 1.5" (3,8 cm)*

Designed by Byron McCord, MD

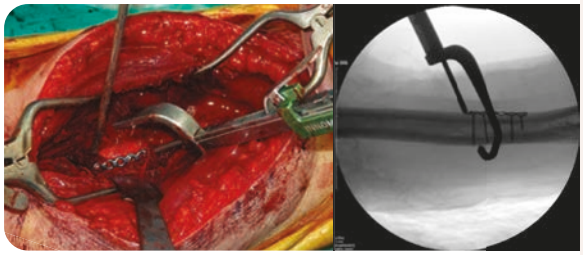
USA MADE



New!

Fracture Reduction Punch Clamp

Designed for use in select cases when vertical (or sagittal) plane clamping is necessary during forearm reduction, humeral fracture reduction, or diaphyseal reduction of the tibial shaft



PRODUCT NO:
5072 *Overall Length: 10.5" (26,7 cm)* *Point to Point Opening:* *–Minimum .375" (10 mm)* *–Maximum 1.375" (35 mm)* *Pin Diameter: .125" (3,2 mm)*

Designed by Jong-Keon Oh, MD

USA MADE

Stoll Bone Plate Clamp

Designed to help hold a bone or bone plate in position for reduction and fixation—helpful with clavicle and fibula fractures

PRODUCT NO:
1774 *Overall Length: 10" (25,4 cm)*

Designed by Jordan Stoll, MD

USA MADE

INNOMED

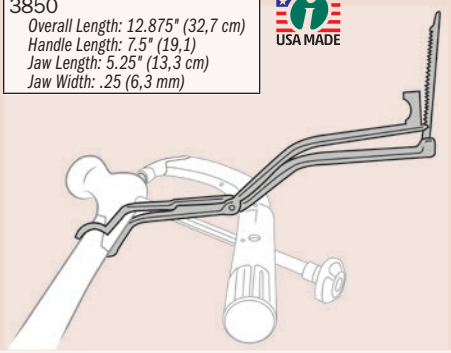
Subtrochanteric Femur Fracture Reduction Clamp

Contour design helps clamp a subtrochanteric or femoral shaft fracture treated with current generation femoral IM rodding systems using external aiming arms/targeting devices

Designed by David Beard, MD

PRODUCT NO:
3850 *Overall Length: 12.875" (32,7 cm)* *Handle Length: 7.5" (19,1)* *Jaw Length: 5.25" (13,3 cm)* *Jaw Width: .25 (6,3 mm)*

USA MADE



Available with or without ratchet

Beard IM Nail Guide Wire Clamp

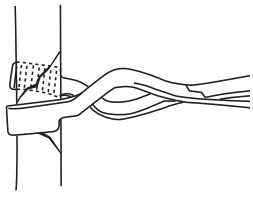
Designed to help provide quick grasp-and-release of an IM guide wire for positioning and advancement along the length of the guide wire

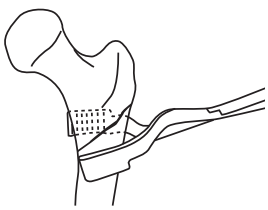
- Anatomic pistol grip for comfortable use
- Facilitates fracture reduction in appropriate cases
- Universal to all systems using IM guide wires and IM fixation
- For use with pins up to 4 mm

PRODUCT NO'S:
3019 [Clamp with Ratchet] *Dimensions: 5.5" w x 6" h (14 cm x 15,2 cm)*
3019-01 [Clamp without Ratchet] *Dimensions: 5.5" w x 6" h (14 cm x 15,2 cm)*

USA MADE

Designed by David Beard, MD





Cannestra Trochanteric Fracture Reduction Clamp

Designed to help reduce comminuted intertrochanteric and subtrochanteric hip fractures, this clamp is offset at its ends to avoid placement into the fracture bed

Clamping ends are curved and rotated to allow maximum bony contact upon fracture reduction. Ideal for fractures with a flexed anterior cortical spike. Made for right and left hip fracture configurations.

Designed by Vince Cannestra, MD

PRODUCT NO'S:
3860-L [Left] *Overall Length: 11.25" (28,6 cm)*
3860-R [Right] *Overall Length: 11.25" (28,6 cm)*

USA MADE

Browner MIS Bone Clamp

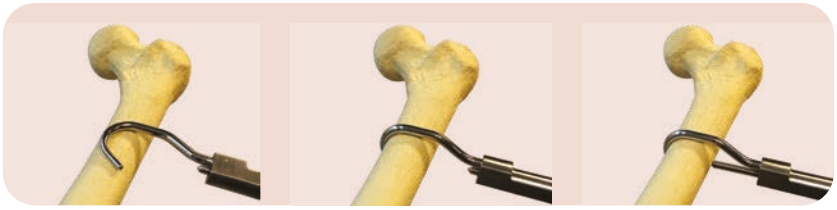
Designed to help hold a bone or bone plate for fixation, the clamp is inserted anterior to the bone, rotated to wrap around the bone, then screwed into the desired position

Sized to allow use on a femur, tibia or humerus.

PRODUCT NO:
1379 *Overall Length: 9.25" to 11.5"" (23,5 to 29,2 cm)* *Maximum Bone Diameter: ~ 35 mm*

USA MADE

Designed by Bruce D. Browner, MD



Vosburg Cannulated Periarticular Clamp

Cannulated clamp tips allow passage of k-wires

By compressing the fracture with the clamp and then passing two k-wires, the clamp can then be removed to allow more working room and versatility when applying a plate.

PRODUCT NO:
1864 *Overall Length: 13" (33 cm)* *Handle Length: 8" (20,3 cm)* *Ratcheted Opens from 2" to 3.5" (5,4 to 7,6 cm)* *Accepts Pins up to: 7/64" (2.8 mm)*

Designed by Caleb Vosburg, MD

MADE EXCLUSIVELY FOR INNOMED IN GERMANY

Periarticular Reduction Forceps

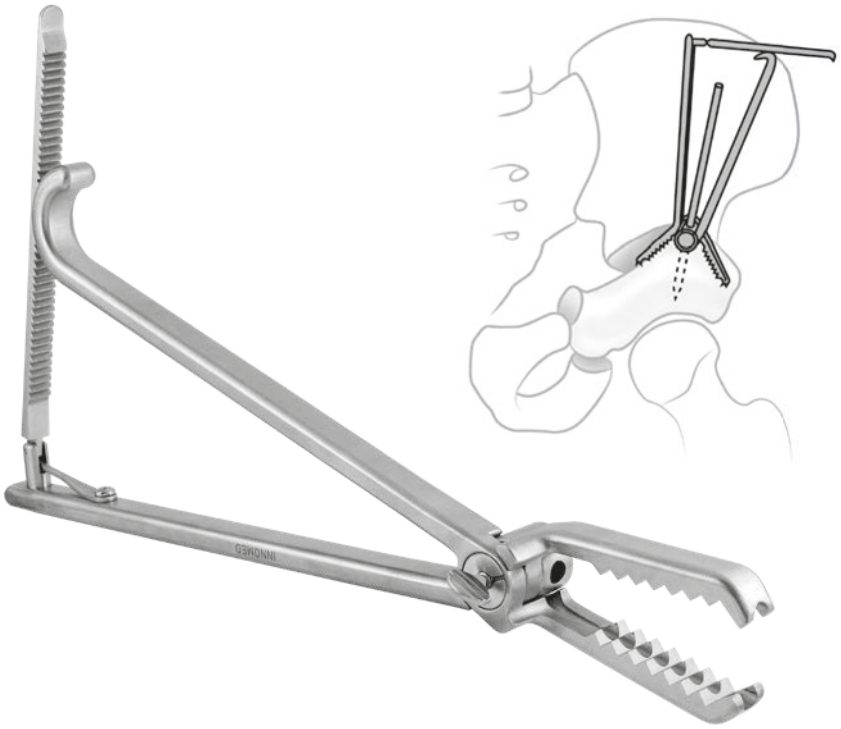
Designed for reduction of intraarticular and periarticular fractures

Pointed ball tips help provide a secure hold in the bone despite minimal contact. Three sizes available.

PRODUCT NO'S:
1856-01 [Small] *Jaw Height @ Tips Parallel: 3.375" (8,6 cm)* *Jaw Width @ Tips Parallel: 7.25" (18,4 cm)* *Maximum Jaw Opening @ Tips: 3.1" (7,9 cm)* *Overall Length: 11" (27,95 cm)*
1856 [Medium] *Jaw Height @ Tips Parallel: 4.75" (12,1 cm)* *Jaw Width @ Tips Parallel: 10.5" (26,7 cm)* *Maximum Jaw Opening @ Tips: 5.2" (13,2 cm)* *Overall Length: 14.75" (37,5 cm)*
1857 [Large] *Jaw Height @ Tips Parallel: 6.25" (15,9 cm)* *Jaw Width @ Tips Parallel: 12" (30,5 cm)* *Maximum Jaw Opening @ Tips: 8" (20,3 cm)* *Overall Length: 16" (40,7 cm)*

USA MADE

INNOMED



Wetzel Acetabular Fragment Clamp

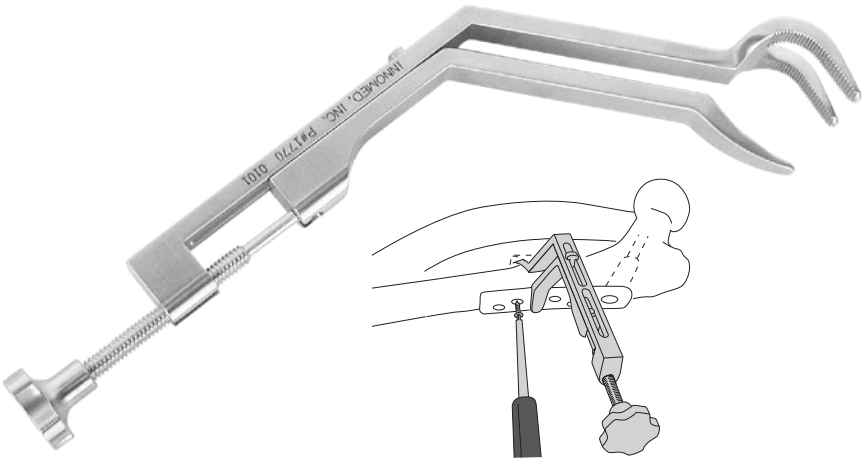
Designed to help increase the ability to control and manipulate an acetabular fragment during Periacetabular Osteotomy (PAO) surgery for hip dysplasia

The cannulated center hinge allows a 5 to 6 mm Schantz pin (not included) to be used in conjuction with the clamp – providing a unified pin-and-clamp together that is stronger than each separately and offers enhanced fragment control.

PRODUCT NO:
3648 *Overall Length: 11.5" (29,2 cm)* *Jaw Opens to: 1.375" (3,5 cm)* *Jaw Length: 2.5" (6,4 cm)* *Jaw Width: .5" (12,7 mm)* *Hole Diameter for Schantz Pin Up To: .25" (6,3 mm)*

USA MADE

Designed by Robert Wetzel, MD & Todd O. McKinley, MD



Angled Lowman-Type Bone Clamp

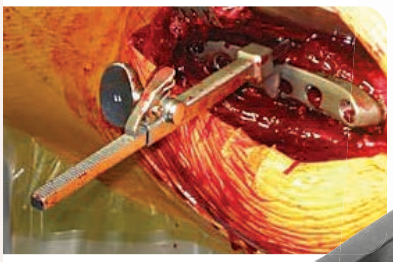
Angled for easier insertion of the jaws around the bone

The offset distance between the jaws and handle of the clamp allow space for free and easy access to use a drill or screwdriver. The angled clamp and more-open and thinner jaws facilitate easier use in deep incisions. The angled shaft also acts as a self-retaining retractor. The tightening handle is scalloped to lessen slippage when tightening or untightening.

PRODUCT NO:
1770 *Overall Length: 9.25" (23,5 cm)* *Length from Bend: 4.25" (10,8 cm)* *Minimum Clamp Diameter: 1" (2,5 cm)*

Designed by John J. McLeod, Jr., MD

USA MADE



Durkan Ratchet Bone Clamps

Design of ratcheting mechanism allows for quick tightening and release around the bone

PRODUCT NO'S:
1867 [Large] *Overall Length: 8.625" (21,9 cm)* *Jaw opens to: 3.5" (8,9 cm)*
1868 [Small] *Overall Length: 8.5" (21,6 cm)* *Jaw opens to: 3.75" (9,5 cm)*

Designed by John Durkan, MD

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Bone Clamp with Speed Lock

Designed to help hold a bone in position for reduction

PRODUCT NO:
3659 *Overall Length: 9.125 (23,2 cm)*

USA MADE

Large Bone Clamp with Plate Protection

Designed to help hold a bone/bone plate in position for reduction—the one-side coated jaw helps to protect from marring the bone plate

PRODUCT NO'S:
3659-L [Left] *Overall Length: 9.125 (23,2 cm)*
3659-R [Right] *Overall Length: 9.125 (23,2 cm)*

USA MADE

Chen Diaphyseal Fracture Reduction Clamp

Designed to facilitate and maintain reduction of the internal fixation of diaphyseal and meta-diaphyseal fractures of long bones

Works especially well with short oblique bones while providing room to implement the plate with this bone clamp still in place.

- Pivoting pads accommodate metaphyseal fractures
- The quick release enables adjustment without losing reduction
- Helps provide provisional reduction of diaphyseal fractures – humeral shaft fractures, tibial fractures

PRODUCT NO:
1808 *Overall Length: 9.25" (23,5 cm)* *Arm Downward Offset: 15 mm* *Pad Dimensions: 1" x .375" (25,4 cm x 1 cm)*

Designed by Franklin Chen, MD

USA MADE

Durham Bone Reduction Clamps

Allows application of a bone plate without removing the reduction clamp

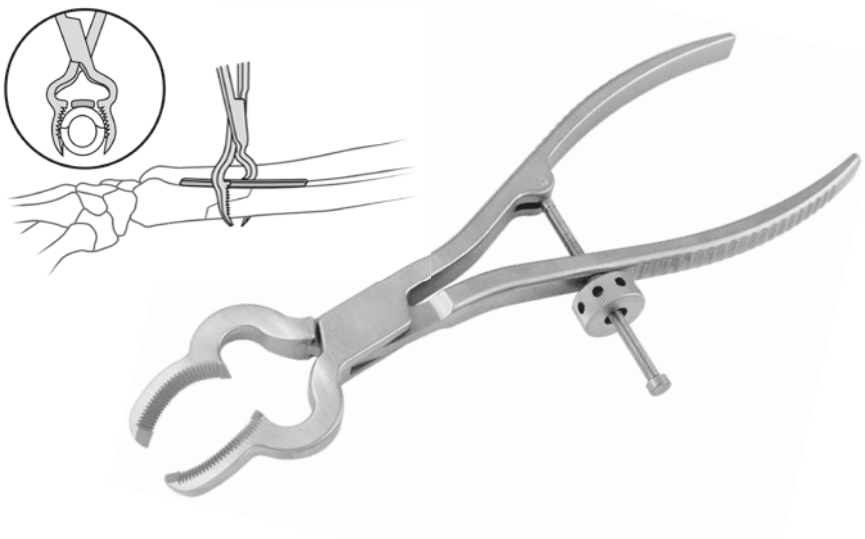
The large clamp with speedlock is designed for large bones such as the femur and tibia. See page 142 for standard clamp version.

The wide window directly above the jaws provide space to allow a bone plate to be slid into position without removing the clamp.

PRODUCT NO'S:
3652 [Standard] *Overall Length: 7.375" (18,7 cm)*
3652-01 [Large with Speedlock] *Overall Length: 9.25" (32,5 cm)*

USA MADE

Designed by Alfred A. Durham, MD



INNOMED

Bargo Bone Holding Clamp

Designed to aid in the reduction of various fractures, and can help secure a plate in place

For fractures such as: spiral, transverse, compound, oblique, or butterfly. Can also be used to secure a plate in place while the screw holes are being drilled and screws inserted. The fracture site can also be manipulated with the clamp being used as a lever. The teeth in the jaws allow for a better grip and the ratchet locking handle allows for use on various bone diameters.

PRODUCT NO:
1895-01 *Overall Length: 5" (12,7 cm)* *Pads: .75" x .45" (1,9 cm x 1,2 cm)*

Designed by Lonnie Bargo, CST/CFA

USA MADE

Weinert Bone Holding Reduction Clamp

Designed to securely hold fracture reductions

The stops on each end help prevent excessive penetration of metaphyseal and soft bone.

PRODUCT NO:
1755 *Overall Length: 8.5" (21,6 cm)* *Jaw opens to: 3" (7,6 cm)*

Designed by Carl R. Weinert, MD

USA MADE

O'Brien Bone Clamps

Designed for use in stabilization of a fracture or osteotomy

Allows for placement of the bone clamp where it can best stabilize bone fragments. The drill guide allows for screw placement through the top of the clamp. Calibrations on the handle help eliminate the use of a depth gauge.

Integrated drill guide and bone diameter gauge

PRODUCT NO'S:
1890-02 [Large] *Drill Guide Diameter: 10 mm (accomodates up to 6.5 mm screw)* *Calibrated from 12 mm to 40 mm* *Overall Length: 9.25" (23,5 cm)*
1890-01 [Small] *Drill Guide Diameter: 8 mm (accomodates up to 4 mm screw)* *Calibrated from 8 mm to 30 mm* *Overall Length: 6" (15,2 cm)*
1890-XSM* [Extra Small] *Drill Guide Diameter: 6 mm* *Overall Length: 4"*

Designed by Todd O'Brien, DPM

MADE EXCLUSIVELY FOR INNOMED IN GERMANY

* USA MADE

Ratcheting Reduction Clamp Kit

Designed as a soft tissue sparing fracture reduction clamp

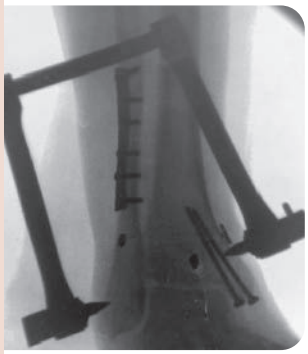
- High torque can help provide bone and joint reduction without squeezing surrounding tissues
- Swivel points are placed on the bone, plate, or screw and the ratcheting dial is turned to the desired torque, allowing hands free operation
- Swivel point design allows the clamp to be easily moved from x-ray view without losing reduction
- Screw Point fits into a screw head
- Plate Point fits into a 3.5 mm plate hole

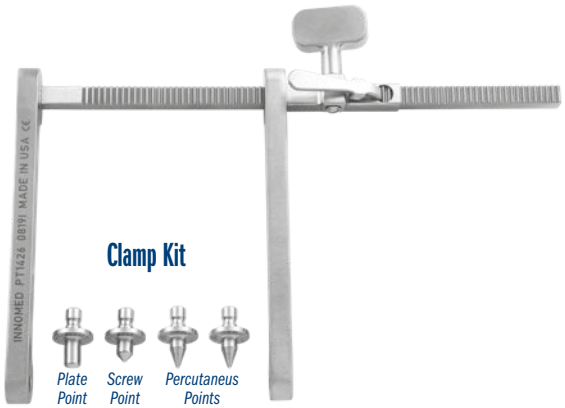
Kit includes: (1) Ratcheting Reduction Stationary Arm, (1) Ratcheting Reduction Mobile Arm with Ratchet Knob (1) Plate Point, (1) Screw Point, and (2) Percutaneous Points

PRODUCT NO'S:
3840-00 [Clamp Kit]
Also available Individually:
3840-02 [Plate Point] *Overall Length: 1" (2,54 cm)*
3840-03 [Screw Point] *Overall Length: .875" (2,2 cm)*
3840-04 [Percutaneous Point] *2 included in set, one with this product number* *Overall Length: 1" (2,54 cm)*
3840-MA [Ratcheting Reduction Mobile Arm with Ratchet Knob] *Overall Length: 6.5" (16,5 cm)*
3840-SA [Ratcheting Reduction Stationary Arm] *Overall Length: 10.5" (26,7 cm)* *Width: 9" (22,9 cm)* *Height: 6" (15,2 cm)*

Designed by Michael Craig, OPA-C

USA MADE





Sarraf Fracture Reduction Thimble

Helps hold bone fragments in place during fixation

Helps to maintain a fracture fragment in the appropriately reduced position during application of K-wires. Helpful in osteoperotic bone that is not amiable to forced reduction using reduction clamps. The wire guides help to aim the K-wire, with three positions for choice of optimal placement and for parallel wire placement. The pointed tips at the end of the thimble help to reduce the chance of slippage while maintaining a fracture reduction.

PRODUCT NO'S:
2290 [22 mm] *Overall Length: 1.185" (3 cm)* *Guides Accept K-wires Up To: .078" (2 mm)*
2291 [26 mm] *Overall Length: 1.185" (3 cm)* *Guides Accept K-wires Up To: .078" (2 mm)*

Designed by Khaled M. Sarraf, MD

USA MADE

Sumko Surgical Finger Guide

Used to help insert a 3.2 mm guide wire, especially during hip fracture surgery, to help prevent puncturing the surgeons' glove

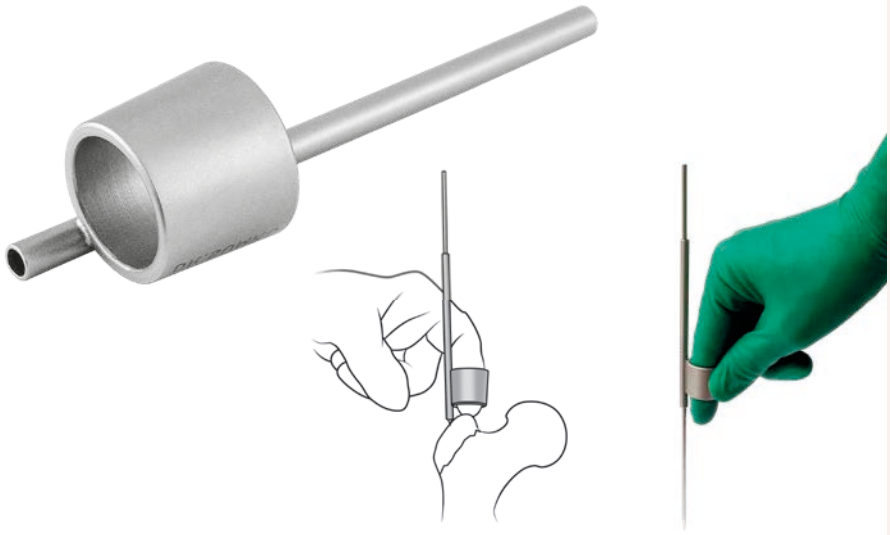
The entry point for a trochanteric nail can be located through a smaller incision with this device, with reduced risk of penetrating the surgeon's glove while finding the starting point for the guide wire.

PRODUCT NO:
8991 *Overall Length: 4" (10,2 cm)*

Designed by Michael H. Sumko, MD

US Patent #503638945

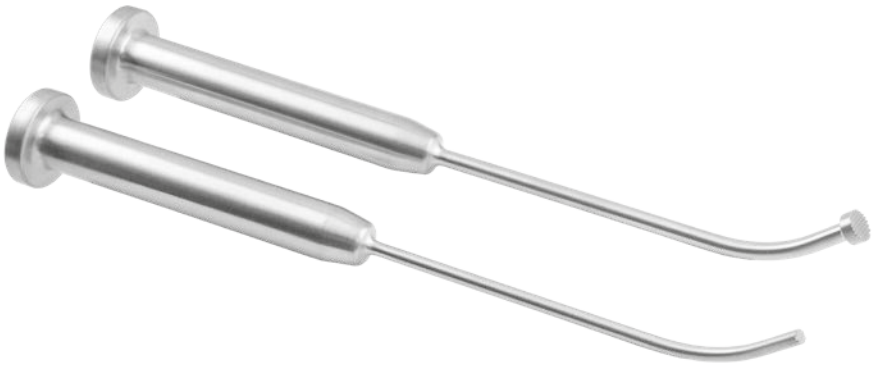
USA MADE



INNOMED

Bacastow Tibial Plateau Elevators

Designed to help with indirect reduction of a depressed tibial plateau fracture, and can be used with arthropscopic visualization and percutaneous fixation



PRODUCT NO'S:
5297 [Starter Elevator] *Overall Length: 11" (27,9 cm)* *Tamp Diameter: 4,7 mm*
5298 [Finish Elevator] *Overall Length: 11" (27,9 cm)* *Tamp Diameter:10,4 mm*

USA MADE

Designed by David Bacastow, MD

Sandman Curved Bone Punch

Designed to help elevate a depressed tibial plateau fracture

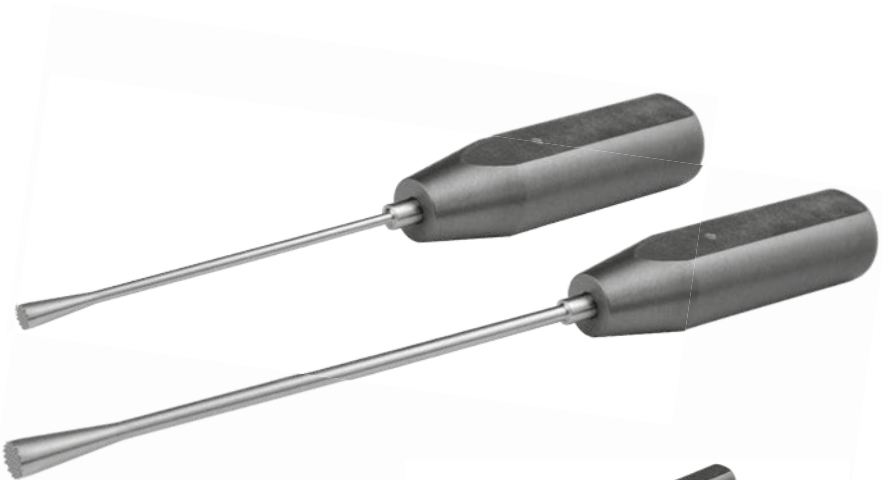
PRODUCT NO:
5305 *Overall Length: 14" (35,6 cm)* *Shaft Length: 9.5" (24,1 cm)* *Impactor Diameter: 12.5 mm (.5")*

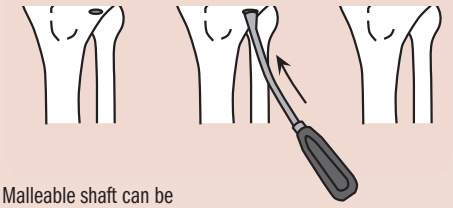
Designed by Geoffrey A. Sandman, MD

USA MADE

Malleable Bone Tamps

The large tamp is designed to help elevate a depressed tibial plateau fracture, while the small tamp can help elevate a depressed tibial plafond and smaller tibial plateau fractures





Malleable shaft can be contoured for different angles.

PRODUCT NO'S:
5296 [Large] *Overall Length: 14" (35,6 cm)* *Shaft Length: 9.5" (24,1 cm)* *Impactor Diameter: 12.5 mm*
5296-01 [Small] *Overall Length: 9.5" (24,1 cm)* *Shaft Length: 6" (15,2 cm)* *Impactor Diameter: 10 mm*

Modified by Serge Kaska, MD

USA MADE

Stanton Nail/Screw Drill Guide Assembly

FOR DISTAL HUMERAL, FEMORAL, OR TIBIAL SCREWS

Designed to help hold and stabilize a drill guide, allowing the surgeon to obtain 'perfect circles' and drill distal locking screw holes without exposure of the hand to the x-ray beam

The drill guide unit (sleeve/trocar) is placed over the side of the bone through an incision. The locking holder is attached to the guide and rested against the skin for stability. With the x-ray on, the guide unit is adjusted by moving the holder until the trocar lines up with the hole in the rod. The trocar is removed and a drill bit is then inserted into the guide.

PRODUCT NO'S:
8986-00 [Assembly Set] *Set includes: (1) Holder, (1) Sleeve, and (1) Trocar*
Also available individually:
8986-01 [Sleeve] *Overall Length: 3.85" (9,8 cm)* *Outside Diameter: 7 mm*
8986-02 [Trocar Alignment Tool] *Overall Length: 4.375" (11,1 cm)* *Trocar Diameter: 5 mm*
8987 [Locking Drill Guide Holder] *Overall Length: 10.5 (26,7 cm)* *Guide Height: 21 mm*

Designed by John L. Stanton, MD

USA MADE

Kodros Radiolucent Awl

Helps locate holes in interlocking nails

PRODUCT NO:
8030-01 *Pin Diameter: 3.7 mm* *Pin Length: 67 mm*

Modified by S. Kodros, MD

USA MADE

Ball Spike with Bell Handle

Designed with a long shaft for use in deep wounds

PRODUCT NO:
8032 *Overall Length: 12" (30,5 cm)*

USA MADE

Fracture Reduction Pick

Used to align bone fragments, and to pick away tissue and bone fragments

PRODUCT NO:
S0129 *Overall Length: 6.25" (15,9 cm)*

USA MADE

INNOMED

New!

Small Cannulated Ball Spike

Designed to help reduce a bone fragment and keep it reduced, while the cannulation allows placement of a k-wire (up to 1.6 mm/.062") into the fragment

- Helps to prevent slipping while inserting k-wires
- Can serve as a handle for k-wire joysticks

PRODUCT NO:
8092 *Overall Length: 4.5" (11,4 cm)* *Overall Length: 3" (7,6 cm)* *Ball Diameter: .275" (7 mm)*

USA MADE

Designed by Benjamin C. Taylor, MD

TWO SIZES AVAILABLE:
Wire Hole for K-wires up to 1.1 mm (.045") or 1.6 mm (.062")

Resnick Small Bone Tamp with Oblique K-Wire Hole

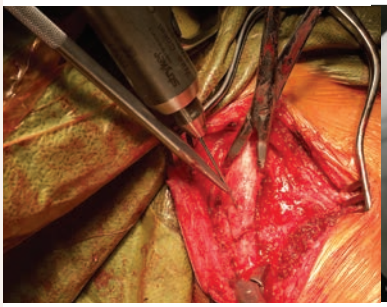
Design allows for the concurrent reduction of a fracture and placement of a wire into the fracture site – especially helpful when the surgical exposure is small and tight, the fracture fragments are small, and the reduction is demanding

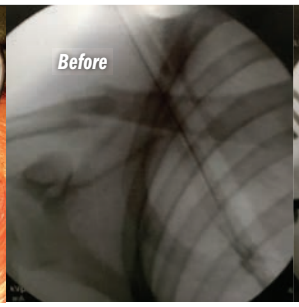
- Allows the ability to place Kirschner wires into fracture sites
- The serrated distal end minimizes slippage on the cortical surface, does not interfere with the placement of the guidewire and allows for subsequent surgeon-decided, intraoperative angulation of the wiring once the first cortex is drilled
- Especially useful in fractures where there is involvement of an articular surface, for example, mallet fractures of the distal phalanx, articular fractures that involve ligamentous attachments or tendon attachments of the phalanges, scaphoid pole small fracture fragments or other small carpal fractures, and radial styloid fractures

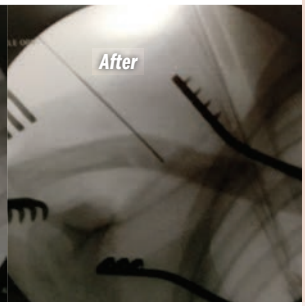
PRODUCT NO:
5294 *Wire Hole for: 1,25 mm (.045") K-wire* *Overall Length: 7.5" (19,1 cm)* *Shaft Diameter: 6,3 mm* *End Diameter: 2,5 mm*

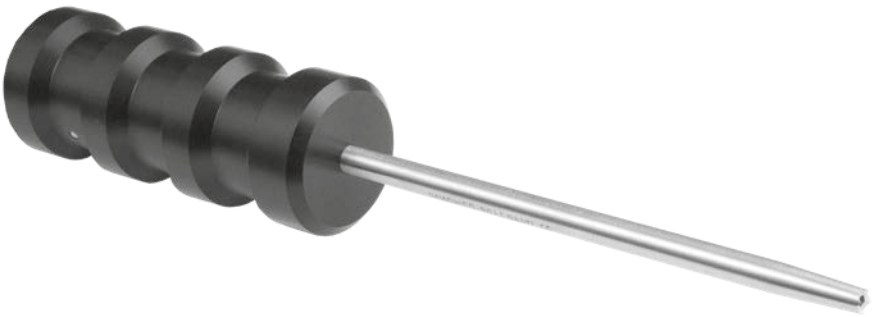
Designed by Charles Resnick, MD

USA MADE









Cannulated Fracture Awl

Helps to reduce fractures without slipping off the bone, and cannulated to allow the placement of k-wire

PRODUCT NO:
8091 *Overall Length: 8" (20,3 cm)* *Handle Length: 3.3" (8,4 cm)* *Cannula fits wire up to: .062" (1.6 mm)*

USA MADE

Cannulated

Argintar Claw Drill Guide Wire/Suture Passer

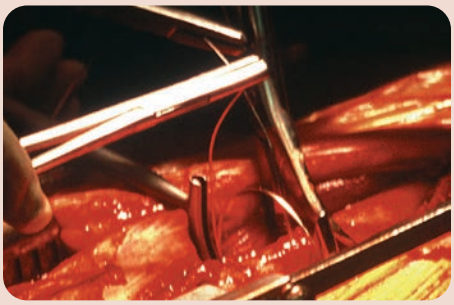
Expandable claw design allows for minimally invasive, reproducible one-step wire/suture passage

Especially helpful during applications where a suture will be passed–particularly when soft tissue dissection is to be minimized, such as wrist reconstruction (DRUJ), elbow reconstruction (ULCL/MCL), foot-ankle reconstruction (ATFL), quad/patella tendon repair surgery, and multi-ligament knee reconstruction (MCL/LCL).

PRODUCT NO'S:
8315-00 [Set: (1) Claw, (1) Wire/Suture Pin]
8315-01 [Claw Unit] *Maximum Internal Opening: 2.5" (6,4 cm)* *Product Dimensions: 2.5" x 4" (6,4 cm x 10,2 cm))*
1227 Pin with Wire/Suture Hole] *3/32" (2,4 mm)* *Overall Length: 6" (15,2 cm)*

Designed by Evan Argintar MD

USA MADE



Incavo Wire Passer

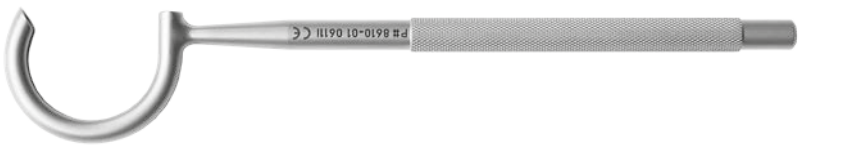
Used for passing multiple cerclage wires around bone

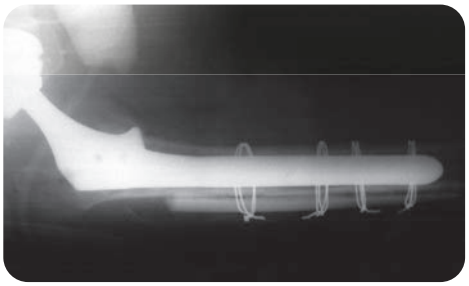
Designed to pass multiple cerclage wires around a bone during a multiple wire wrap procedure.

PRODUCT NO'S:
8610-01 [Small] *Overall Length: 7.5" (19,1 cm)* *Accepts Wire Up To: 4 mm (5/32")*
8610-02 [Large] *Overall Length: 8.675" (21,3 cm)* *Accepts Wire Up To: 4 mm (5/32")*

Designed by Stephen J. Incavo, MD

USA MADE





Whelan Double-Ended Suture Wire Passer

Passer guide and malleable passer designed to pass suture wires around a bone

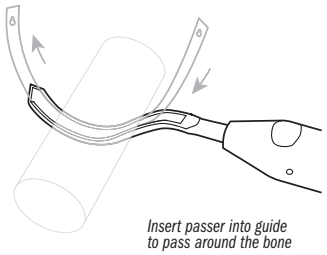
The passer guide is placed around the bone, and the thin malleable passer is inserted at the handle end and follows the grooved passer around. The suture wire (up to 18 gauge) is attached to the keyholed end of the passer, which can then be reversed out of the passer, drawing the suture wire around the bone.

PRODUCT NO'S:
8300-00 [Set]
Also available individually:
8300-01 [Passer Guide] *Overall Length: 8.125" (20,6 cm)* *Oustide Width: 9 mm* *Inside Groove Width: 6.5 mm*
8300-02 [Passer] *Overall Length: 7.5" (19,1 cm)* *Width: 4.6 mm*
1025 [Sterilization Case]

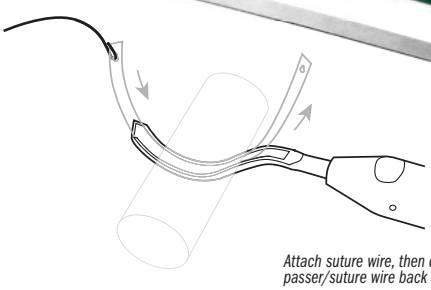
Designed by E. J. Whelan, III, MD

USA MADE

Set includes Passer Guide, two Passers, and a sterilization case.



Insert passer into guide to pass around the bone



Attach suture wire, then draw the passer/suture wire back around the bone

INNOMED

Vaughan Endzone Retractor

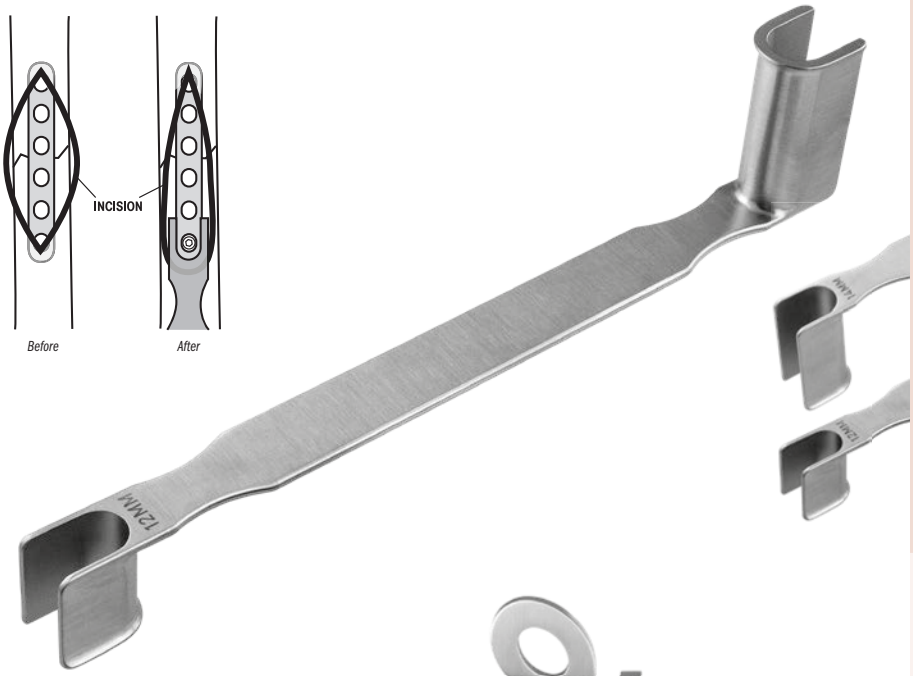
Designed for use when placing the end screws while plating a fracture using a minimally invasive technique

The "U"-shaped wall design helps allow the maximal exposure along the length, or "endzone", of an incision while maintaining adequate width and retraction along the sides of the exposure.

PRODUCT NO:
1766 *Overall Length: 8.75" (22,2 cm)* *Deep Depth: 45 mm* *Deep Internal Width: 14 mm* *Shallow Depth: 25 mm* *Shallow Internal Width: 12 mm*

Designed by Roderick Vaughan, MD

USA MADE



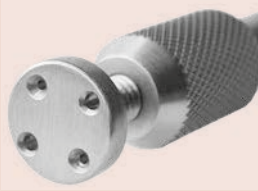
Browner Wire Tightener

Wire is passed through the distal arm hole and into the separate drum holes, and can then be tightened and rotated before being cut with a wire cutter

PRODUCT NO:
8251 *Overall Length: 6" (15,2 cm)* *Width: 3.75" (9,5 cm)* *Wire Hole Diameters: .125" (3,2 mm)*

USA MADE

Designed by Bruce D. Browner, MD



DMP Wire Tightener

Used to hand tighten a cerclage wire around a bone

Now with four wire holes – two for up to 20 gauge wires, and two for up to 18 gauge wires. T-Handle end is used to hand tighten a wire.

PRODUCT NO:
8729 *Overall Length: 4.5" (11,4 cm)* *Handle Width: 2.625" (6,7 cm)* *End Diameter: 15 mm*

Designed by DMP

USA MADE

Jackson Flat Top Traction Device

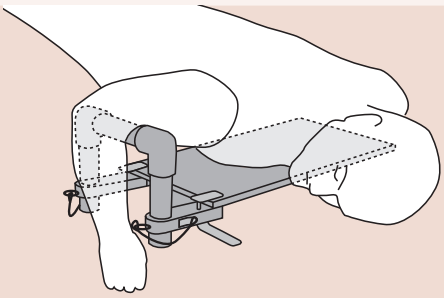
A table-top traction device designed for fracture fixation in the acetabulum, pelvis, and femur

Can be used in a variety of applications, including open and percutaneous pelvic and acetabular fracture surgery, hip fracture fixation and femur fracture fixation including antegrade or retrograde nailing.

The light-weight portable device attaches directly to a standard radiolucent flat top table. Features adjustable height and a freely swiveling top. Recommended for use with the disposable sterile kit, which is sold separately.

PRODUCT NO'S:
0007 [Jackson Traction Device] *This product number includes (1) #0008 Disposable Sterile Kit*
Sold Separately:
0008 [Disposable Sterile Kit] *Includes: (1) Impervious Stockinette and (1) 11 ft. Traction rope*
0008-CASE [Case of Sterile Kits] *Pkg of 10*

USA MADE



Distal Humerus Fracture Board

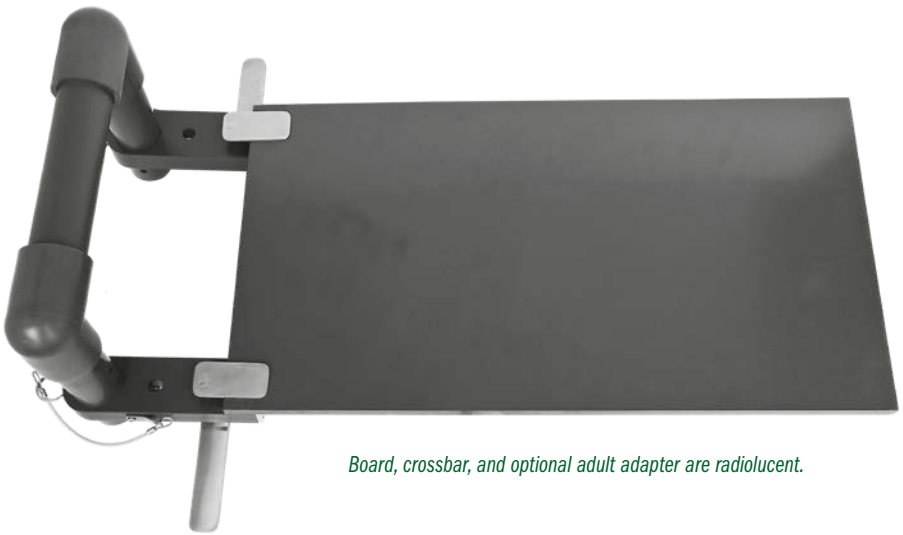
Designed for the pinning of pediatric supra-condylar and adult distal humerus fractures

Allows the surgeon to pin these fractures without having to manually hold the fracture reduced, allowing the surgeon to focus on accurate pin placement and reduction. The height of the crossbar is fully adustable to accommodate different size patients. Reduction is acheved by an assistant gently applying axial traction through the forearm, with the crossbar applying the counter traction. Pinning is done with the C-arm in the lateral position. An optional separate attachment to support the arm for distal humerus fractures in adults is available. Unit not sterilizable.

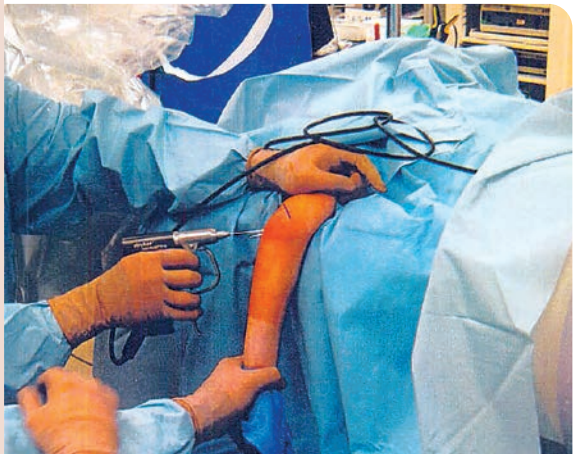
PRODUCT NO'S:
2445 [Fracture Board – Pediatric] *Main Board Dimensions: 22" x 12" (55,8 cm x 30,5 cm)* *Crossbar Height Adjusts From: 4.5" to 7.5" (11,4 cm x 19,1 cm)*
2445-01 [Fracture Board – With Adult Adapter]
Optional/Replacement Part:
2445-06 [Adult Adapter]

USA MADE

Designed by Burk Young, MD



Board, crossbar, and optional adult adapter are radiolucent.



Optional ADULT Adapter

INNOMED

Adjustable Knee & Tibial Positioner

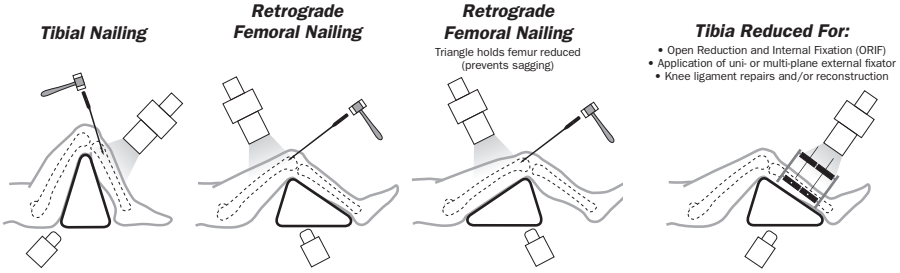
Adjustable design allows for use in procedures around the knee such as tibial nailing, tibial condyle plating, patella fracture fixation, supracondylar fracture plating, supracondylar fracture nailing, and total knee replacement

Radiolucent. Steam sterilizable.

PRODUCT NO'S:
2770-00 [Set] *Includes Positioner, Pad, and Two Short Straps*
Individual / Replacement Parts
2770-01 [Positioner] *Overall Length (Folded): 28" (71,1 cm)* *Overall Length (Flat): 54.75" (139 cm)* *Maximum Triangle Height: 14" (35,6 cm)* *Width: 5.5" (14 cm)* *Thickness (Folded): 1.8" (4,6 cm)* *Thickness (Flat): .75" (1,9 cm)*
2770-P [Slicone Pad] *Dimensions: 12" x 5.5" (30,5 cm X 14 cm)*
2590-S [Short Straps] *Pkg of 10*

USA MADE

Designed by Ashutosh Chaudhari, MD



Fromm Femur & Tibia Triangles

Used for femur and tibia positioning during nailing, repairs and fractures

Designed to position and hold the femur and tibia during intramedullary nailing of the tibia, ligament repairs and extremity fractures. Allows knee to be flexed greater than 90° to allow reaming and nail insertion without displacing fracture. The triangles are available in four heights: 8.5", 11", 14", and 16". The three smaller triangles are designed to fit inside the larger triangle for storage. They are supplied with an autoclavable silicone cushioning pad and velcro* straps. The triangles are radiolucent and gas or steam sterilizable.

PRODUCT NO'S:
2760-00 [Set of 3] *Angles: Top 30°, Two Bottom 75°*
2760-01 [11"] *Base: 6" (15,2 cm), Height: 11" (27,9 cm)*
2760-02 [14"] *Base: 7" (17,8 cm), Height: 14" (35,6 cm)*
2760-03 [16"] *Base: 9" (22,9 cm), Height: 16" (40,7 cm)*
Sold Separately – Not In Set:
2760-XS [8.5"] *Base 5" (12,7 cm), Height: 8.5" (21,6 cm)*
Replacement Parts:
2760-P [Silicone Pad]
2760-S [Straps] *Package of 18*
8120-SP [Straps for XS] *Package of 10*

Designed by S.E. Fromm, MD.
Extra Small Triangle designed by S.E. Fromm, MD & Kenneth Merriman, MD.

USA MADE

*Velcro® is a registered trademark of the Velcro Companies.

Lower Extremity Leg Positioner

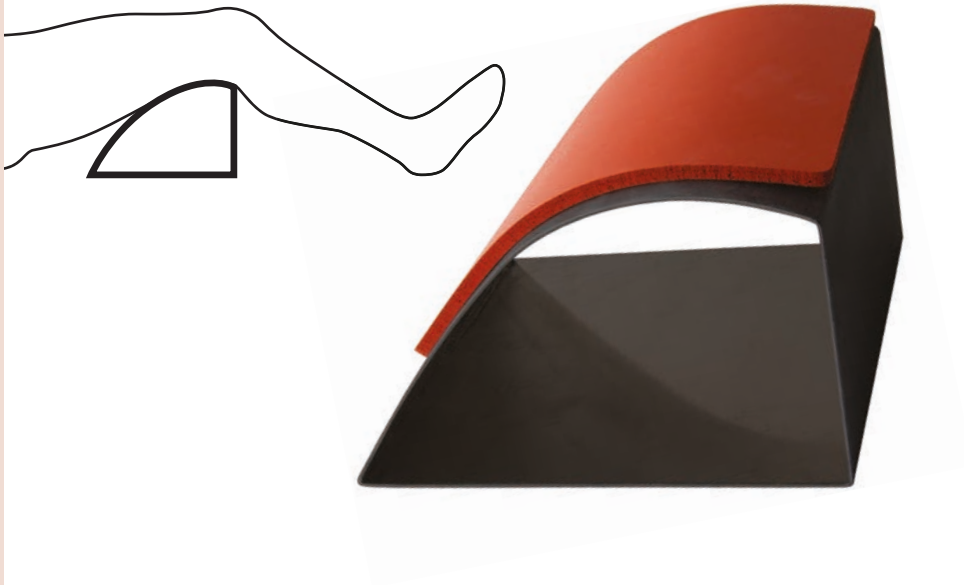
Designed to lift the knee for lower extremity casting applications

Also well suited for use with ankle fractures. Supplied with one autoclavable silicone pad. Positioner is radiolucent and gas or steam sterilizable.

PRODUCT NO'S:
2745 *Dimensions: 5.5" H x 9.5" L x 9.25" W (14 cm H x 24,1 cm L x 23,5 cm W)*
Replacement Parts:
2760-P [Silicone Pad]

Designed by Ronald Romanelli, MD

USA MADE



Sanders Extremity Positioning Tubes

Designed to support the knee and ankle during lower extremity surgery

The 6" tube lifts the knee off the operating table and allows for approximately 30° of knee flexion. Very useful for closure of total knee incisions, supporting fractures of the distal femur, and tibia plateau fractures. The 4" tube elevates the foot and ankle for ankle fracture surgery. The tubes are made of aluminum, allowing them to be autoclaved. They help eliminate the need for rolled sheet bolsters.

PRODUCT NO'S:	
2740-01 [Small] *Diameter: 4" (10,2 cm)* *Width: 8" (20,3 cm)*	2740-02 [Large] *Diameter: 6" (15,2 cm)* *Width: 8" (20,3 cm)*

USA MADE

Designed by Richard A. Sanders, MD

Sanders Tube Holder

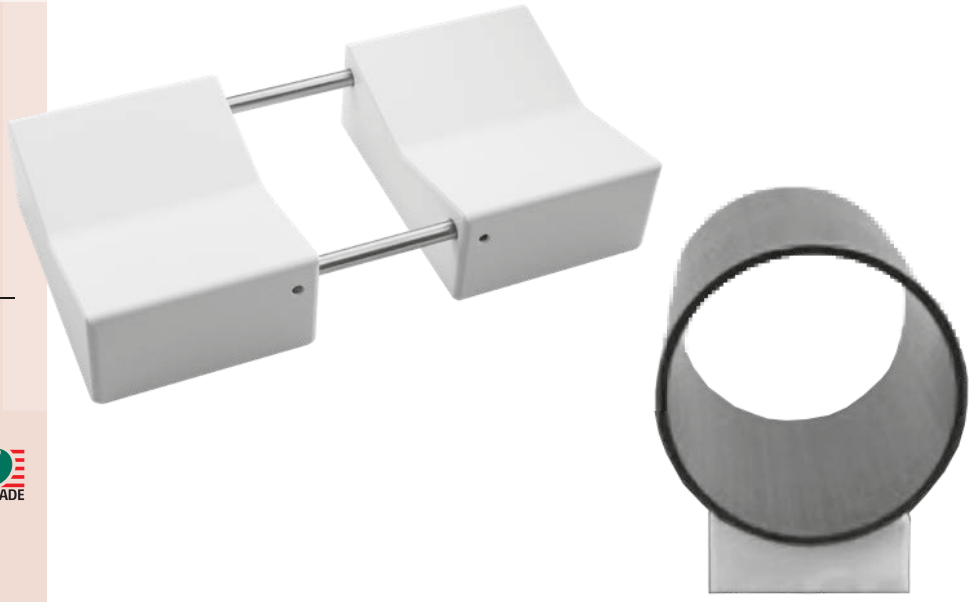
Designed to help stabilize the Sanders Extremity Positioning Tubes (#2740-01 & -02)

The tube holder will help stabilize the tubes when used for lower extremity positioning for lower extremity surgery. Also, by using the tubes with the Stulberg Sliding Bolster (#2730 – see page 82), the knee can be placed in less flexion during the initial incision and wound closure.

PRODUCT NO:
2740-03 *Dimensions: 8" x 4" x 1.625" (20,3 x 10,2 x 4,1 cm)*

USA MADE

Designed by Richard Sanders, MD



INNOMED

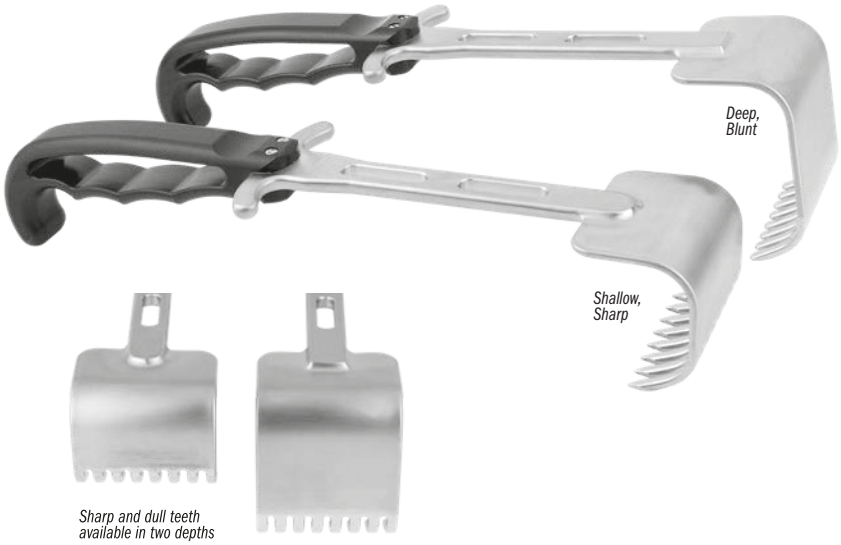
Meyerding Type Retractors with Ergonomic Handle

Designed for general use soft tissue retraction, the ergonomic handle allows for a better grip and less fatigue

PRODUCT NO'S:
6241 [50 x 16 mm] *Overall Length: 8.875" (22,5 cm)* *Blade Width: 16 mm* *Blade Depth: 50 mm*
6242 [75 x 15 mm] *Overall Length: 9" (22,9 cm)* *Blade Width: 15 mm* *Blade Depth: 75 mm*
6243 [75 x 25 mm] *Overall Length: 9" (22,9 cm)* *Blade Width: 25 mm* *Blade Depth: 75 mm*

Non-glare finish featured on the metal retractor parts.

USA MADE



Sharp and dull teeth available in two depths

Wide Rake Retractors with Ergonomic Handle

Designed for general use soft tissue retraction, the ergonomic handle allows for a better grip and less fatigue

PRODUCT NO'S:
6051 [Deep, Sharp] *Overall Length: 11.175 (28,3 cm)* *Blade Width: 2.375" (6 cm)* *Blade Depth: 2.75" (7 cm)*
6052 [Deep, Blunt] *Overall Length: 11.175 (28,3 cm)* *Blade Width: 2.375" (6 cm)* *Blade Depth: 2.75" (7 cm)*
6053 [Shallow, Sharp] *Overall Length: 11.175 (28,3 cm)* *Blade Width: 2.375" (6 cm)* *Blade Depth: 1.875" (4,8 cm)*
6054 [Shallow, Blunt] *Overall Length: 11.175 (28,3 cm)* *Blade Width: 2.375" (6 cm)* *Blade Depth: 1.875" (4,8 cm)*

Non-glare finish featured on the metal retractor parts.

USA MADE

Rake Retractors with Ergonomic Handle

Designed for general use soft tissue retraction, the ergonomic handle allows for a better grip and less fatigue

PRODUCT NO'S:
4839 [3-Prong] *Overall Length: 9.5" (24,1 cm)* *Rake Width: 13 mm* *Rake Depth: 14 mm*
4840 [4-Prong] *Overall Length: 9.5" (24,1 cm)* *Rake Width: 19 mm* *Rake Depth: 14 mm*

Non-glare finish featured on the metal retractor parts.

USA MADE

GENERAL USE

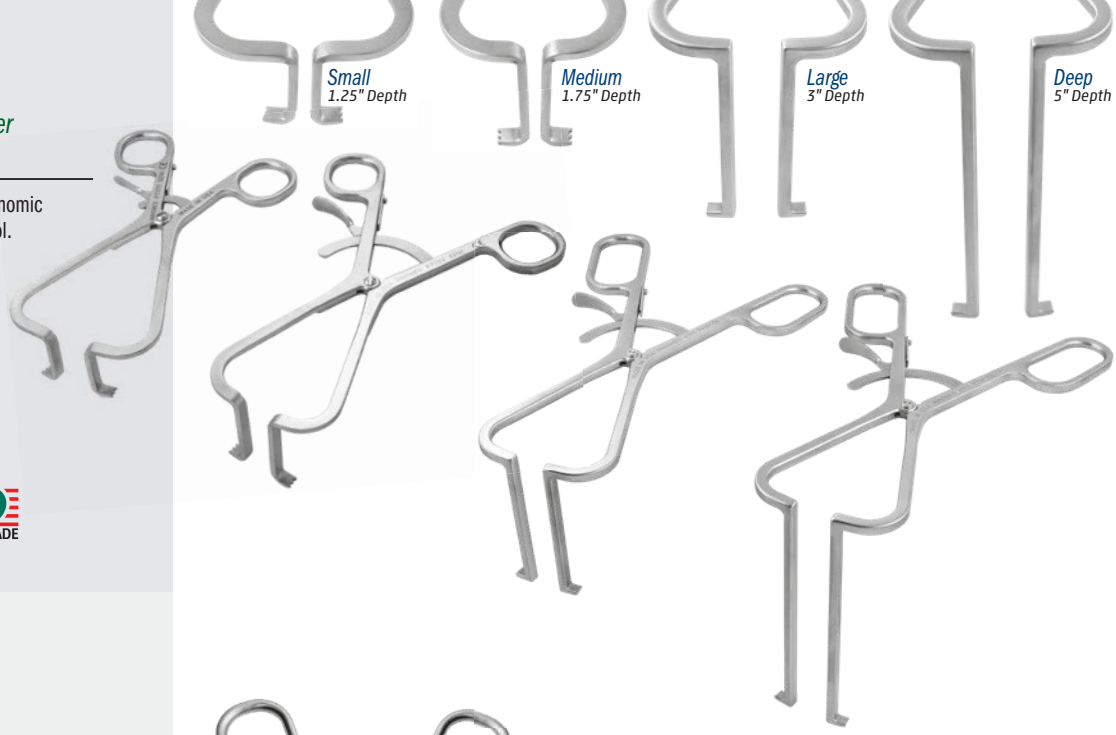
Flat Gelpi Retractors

Designed to help retract a broader area of soft tissue or muscle

The two largest sizes feature double ergonomic handles for increased comfort and control.

PRODUCT NO'S:
4191 [Small] *Overall Length: 6.5" (16,5 cm)* *Prong Depth: 1.25" (3,2 cm)*
4192 [Medium] *Overall Length: 7.25" (18,4 cm)* *Prong Depth: 1.75" (4,4 cm)*
4193 [Large] *Overall Length: 9" (22,9 cm)* *Prong Depth: 3" (7,6 cm)*
4194 [Deep] *Overall Length: 10" (24,4 cm)* *Prong Depth: 5" (12,7 cm)*

USA MADE



Gelpi Retractors

PRODUCT NO'S:
4180 [Standard] *Overall Length: 7.5" (19,1 cm)*
4181 [With Ergonomic Handle] *Overall Length: 7.5" (19,1 cm)*

USA MADE

Delrin Insert Pliers

Designed to grasp an implant for adjustment without marring the implant surface

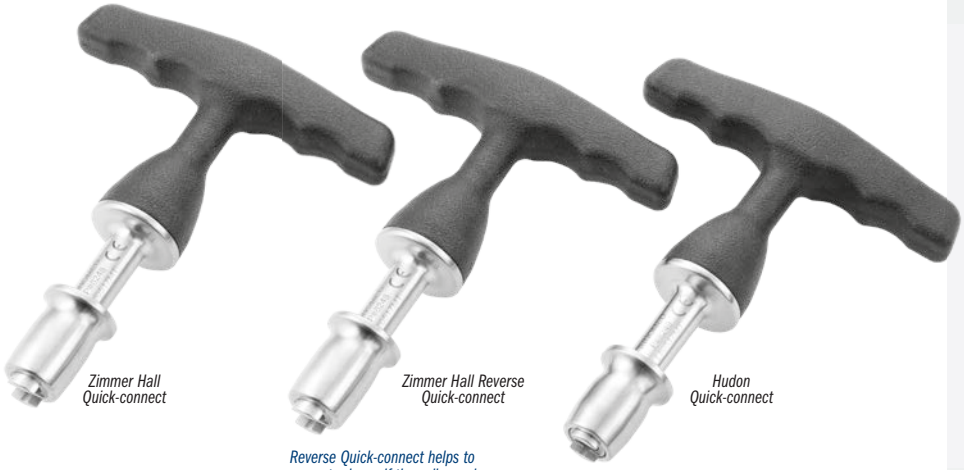
PRODUCT NO'S:
2025 *Overall Length: 8" (20,3 cm)*
2025-03 [Replacement Insert] *Includes top and bottom delrin jaws, two screws and a hex wrench*

USA MADE

Long Jaw Needle Nose Pliers

PRODUCT NO:
1833 *Overall Length: 7" (17,8 cm)* *Jaw Length: 2.25" (5,7 cm)* *Jaw Width Tapered from: 8 mm to 1.5 mm* *Jaw Height Tapered from: 12 mm to 2.5 mm*

USA MADE



Reverse Quick-connect helps to prevent release if the collar end is pressed against soft tissue

Zimmer Hall *Hudson*

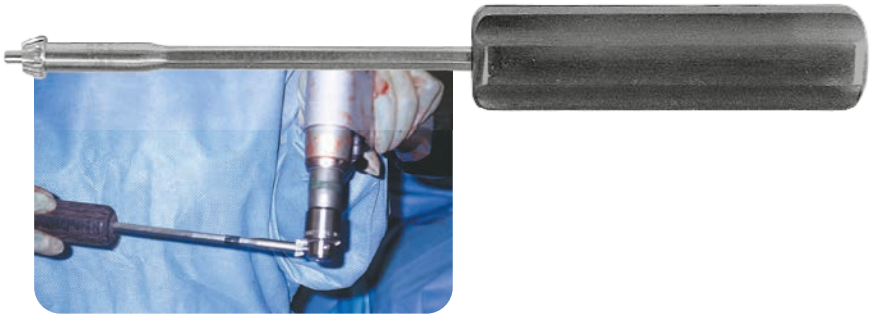
Large T-Handle Fixed Drivers

Large easy grip soft silicone handled drivers help provide a sturdy non-slip grip

The two standard Quick-connect models release by pulling the collar backward, while the Reverse Quick-connect model is designed to have the collar be pushed forward for release.

PRODUCT NO'S:
8248 [Zimmer Hall Quick-connect] *Overall Length: 5.75" (15,6 cm)* *Handle Width: 4.625" (11,6 cm)*
8248-01 [Reverse Quick-connect Zimmer Hall] *Overall Length: 5.75" (15,6 cm)* *Handle Width: 4.625" (11,6 cm)*
8249 [Hudson Quick-connect] *Overall Length: 6.75" (17,1 cm)* *Overall Length with Pin In Handle: 11.5" (29,2 cm)*

USA MADE



Large Handle Chuck Key

For easy tightening/untightening of a chuck

Allows a chuck to be tightened and untightened easily.

PRODUCT NO:
5517-01 *Chuck Size: 1/4" (6,4 mm)* *Overall Length: 10.5" (26,7 cm)* *Handle Length: 4.5" (11,4 cm)*

USA MADE

Straight Suture Passer

Designed to help pass suture through bone

PRODUCT NO:
1111 *Overall Length: 8.125" (20,6 cm)* *Handle Length: 4.25" (10,8 cm)* *Shaft Diameter: 2,5 mm*

USA MADE

Designed by Brian T. Maurer, MD

Aluminum Tapered Maul/Mallet

Large surface area allows the surgeon to focus on the action area of the instrument being struck, instead of making sure the mallet will strike the end of the instrument, much like a sculptors mallet

PRODUCT NO:
7828 *Overall Length: 9.15" (23,2 cm)* *Handle Length: 6" (15,2 cm)* *End Diameter: 3" (7,6 mm)*

USA MADE

Soft Impact Mallets with Easy Grip Handles

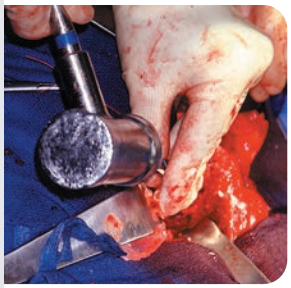
Provides shock-absorbing force

Designed to have a shock-absorbing force, providing less bounce or wasted force. The mallets are filled with a shock-absorbing media and have a flat striking surface to keep the mallet centered on an instrument. The mallet with delrin head features a replaceable delrin head.

PRODUCT NO'S:
7820 [2 lbs. Standard] *Weight: 2 lbs. (.907 kg)* *Overall Length: 10.5" (26,7 cm)* *Handle Length: 5" (12,7 cm)* *Head Width: 3.5" (8,9 cm)* *Head Diameter: 1.375" (3,5 cm)*
7821 [2 lbs. With Weidman Handle] *Weight: 2 lbs. (.907 kg)* *Overall Length: 10.625" (27 cm)* *Grip Length: 5.5" (14 cm)* *Head Width: 3.5" (8,9 cm)* *Head Diameter: 1.375" (3,5 cm)*
7832 [2 lbs. With Delrin End] *Weight: 2 lbs. (.907 kg)* *Overall Length: 10.5" (26,7 cm)* *Handle Length: 5" (12,7 cm)* *Head Width: 3.5" (8,9 cm)* *Head Diameter: 1.375" (3,5 cm)*
7837 [3 lbs. Standard] *Weight: 3 lbs. (1.35 kg)* *Overall Length: 11" (27,9 cm)* *Handle Length: 5" (12,7 cm)* *Head Width: 3.5" (8,9 cm)* *Head Diameter: 1.875" (4,8 cm)*
Delrin Head Replacements for 7832:
7832-HEAD01 [.5" Stud] *Single*
7832-HEAD02 [.5" Stud] *3-Pack*
7832-HEAD03 [.875" Stud] *Single*
7832-HEAD04 [.875" Stud] *3-Pack*

USA MADE

Replacement Delrin Heads



Soft Impact Mallet with Weidman Silicone Handle

Replaceable Delrin Head

Easy Grip Textured Soft Silicone Handle

Comfortable grip helps prevent the surgeon's gloved hand from slipping and helps maintain a solid grip.

Ortho Mallets with Easy Grip Handles

These solid stainless steel mallets each have a comfortable 4½" (11,4 cm) grip made of a textured silicone that helps prevent the surgeon's gloved hand from slipping and helps maintain a solid grip.

PRODUCT NO'S:
7810 [Small] *Overall Length: 8" (20,3 cm)* *Handle Length: 4.5" (11,4 cm)* *Head Weight: 1 lb. (.45 kg)* *Head Diameter: 1.3125" (33,3 mm)*
7815 [Large] *Overall Length: 8" (20,3 cm)* *Handle Length: 4.5" (11,4 cm)* *Head Weight: 1.75 lb. (.8 kg)* *Head Diameter: 1.5" (3,8 cm)*

USA MADE

Jones Mallet

Unique hand fitting shape provides superior gripping strength for accurate light to heavy impaction

PRODUCT NO:
7825 [2.4 lbs] *Overall Length: 8.25" (21 cm)* *Head Width: 3" (7,6 cm)* *Head Diameter: 1.5" (3,8 cm)*

Designed by Dickie Jones, MD

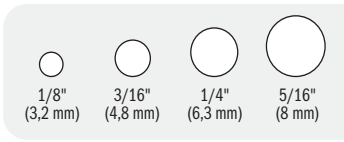
USA MADE

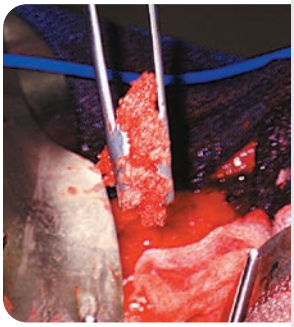
INNOMED

Ortho Impactors

PRODUCT NO'S:
Overall Length: 9" (22,9 cm) *Shaft Diameter: 9 mm*
5331 [11 x 4 mm Rectangle]
5332 [12 x 7 mm Rectangle]
5333 [12 mm Tapered]
5334 [9 mm Square]
5335 [15 mm Round]
5336 [12 mm Round]
5337 [9 mm Round]

USA MADE





Universal Bone Grafting/ Impacting Forceps

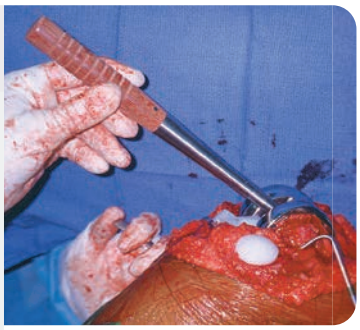
Bone graft can be grasped, placed & impacted without changing hands or instruments

Designed with grasping ends for delivery of bone graft. When the graft is in place, the forceps are closed, which forms the ends into an impacting punch. A striking platform forms the end of the forceps for tapping and tamping the graft. Four end diameters are available in two lengths.

PRODUCT NO'S:	
Short: 6" (15,2 cm) Length	
5010-01	*1/8" (3,2 mm) Diameter End*
5010-02	*3/16" (4,8 mm) Diameter End*
5010-03	*1/4" (6,3 mm) Diameter End*
5010-04	*5/16" (8 mm) Diameter End*
Long: 10" (25,4 cm) Length	
5050-01	*1/8" (3,2 mm) Diameter End*
5050-02	*3/16" (4,8 mm) Diameter End*
5050-03	*1/4" (6,3 mm) Diameter End*
5050-04	*5/16" (8 mm) Diameter End*

Designed by J.A. Amis, MD

MADE EXCLUSIVELY FOR INNOMED IN GERMANY



Modular Impactor Set

Makes multiple impactor heads easily visible and available

Designed to have available to the operating surgeon multiple types of impactors utilizing one handle. The rack uses less space and allows the surgeon to quickly see the designs available. The impactors are supplied with stainless steel tips for bone and delrin tips which can be used against an implant for slight placement adjustments.

PRODUCT NO:
5370 [Complete Set] *Overall Handle Length: 8" (20,3 cm)* *Grip Length: 4.5" (11,4 cm)* *Impactor Head Lengths: 1.45" (3,7 cm)* *Base Diameter: 3.5" (8,9 cm)*

USA MADE

GENERAL USE

Cheng Biopsy Trephine System

Cannulated T-handle and trephines allow use of a standard 1.6 mm (.062") threaded K-wire to help facilitate grasping and removal of a core bone sample for biopsy or core decompression

Designed for use with a standard 1.6 mm (.062") threaded K-wire (not included).

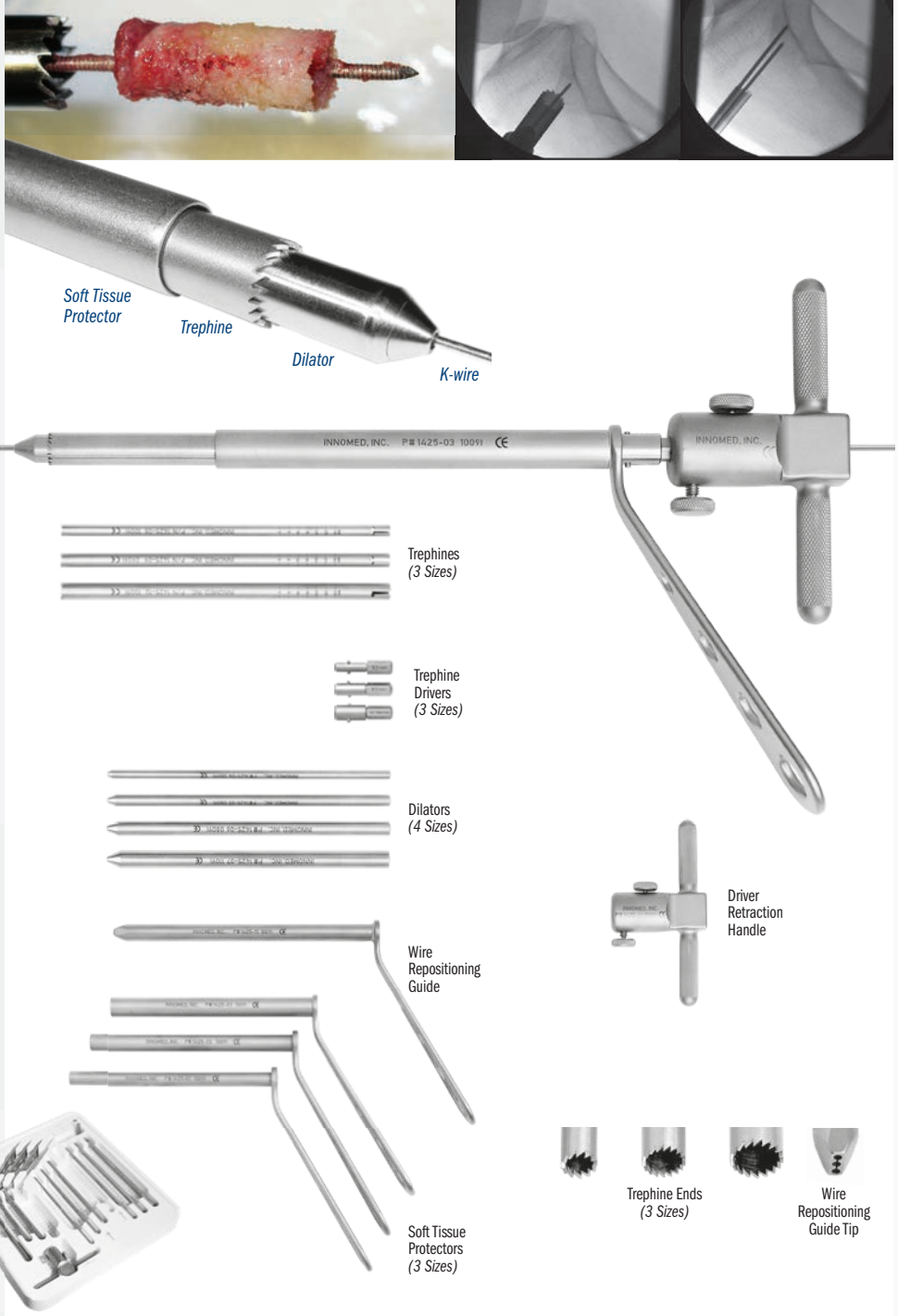
- Allows use of trephine at oblique angles to bone surface by using an anchoring K-wire and cannulated trephine
- Avoids "skipping" of trephine teeth on bone surface
- Facilitates optimal approach angle and direction of trephine
- Variety of core diameters yields bone samples of sufficient size for pathology
- Adapters allow for use of a power drill
- Minimally invasive – soft tissue sleeve protects surrounding structures and tissue
- Can also be used for bone graft harvesting
- Repositioning guide allows easy adjustment of targeting K-wire

PRODUCT NO'S:
1425-00 [Complete Set with Case]
Set Includes/Available Separately:
1425-01 [Soft Tissue Protector – Small]
1425-02 [Soft Tissue Protector – Medium]
1425-03 [Soft Tissue Protector – Large]
1425-04 [Dilator – 4.75 mm]
1425-05 [Dilator – 6.25 mm]
1425-06 [Dilator – 7.75 mm]
1425-07 [Dilator – 9.25 mm]
1425-08 [Trephine – Small] *Internal Diameter: 5mm* *Overall Length: 7.125" (18,1 cm)*
1425-09 [Trephine – Medium] *Internal Diameter: 6.5 mm* *Overall Length: 7.125" (18,1 cm)*
1425-10 [Trephine – Lage] *Internal Diameter: 8 mm* *Overall Length: 7.125" (18,1 cm)*
1425-11 [Drive End – Small]
1425-12 [Drive End – Medium]
1425-13 [Drive End – Large]
1425-14 [Driver Retraction Handle]
1425-14-B-COMP [Handle Retaining Screw]
1425-15 [3-Hole Wire Repositioning Guide]
1425-Case [Case]

USA MADE

K-wire not included.

Designed by Edward Cheng, MD



Mini-lexer Osteotomes

Helpful in osteophyte and cement removal

Small, thin osteotomes helpful in osteophyte and cement removal in total joint surgery. Larger handle helps with better control.

MADE FOR INNOMED IN GERMANY

PRODUCT NO'S:	
5270-01 [4 mm] *Blade Width: 4 mm* *Overall Length: 7.25" (18,4 cm)* *Handle Length: 4" (10,2 cm)*	5270-03 [10 mm] *Blade Width: 10 mm* *Overall Length: 7.25" (18,4 cm)* *Handle Length: 4" (10,2 cm)*
5270-02 [6 mm] *Blade Width: 6 mm* *Overall Length: 7.25" (18,4 cm)* *Handle Length: 4" (10,2 cm)*	5270-04 [12 mm] *Blade Width: 12 mm* *Overall Length: 7.25" (18,4 cm)* *Handle Length: 4" (10,2 cm)*

INNOMED

Depth Gauge

Designed for one-handed use – helps to provide measurement of the depth/length of any bone hole for proper screw length determination

PRODUCT NO:
8015 *Overall Length: 7.625" (19,4 cm)* *Scale: From 0 to 48 mm*

USA MADE

Mengato Depth Gauge

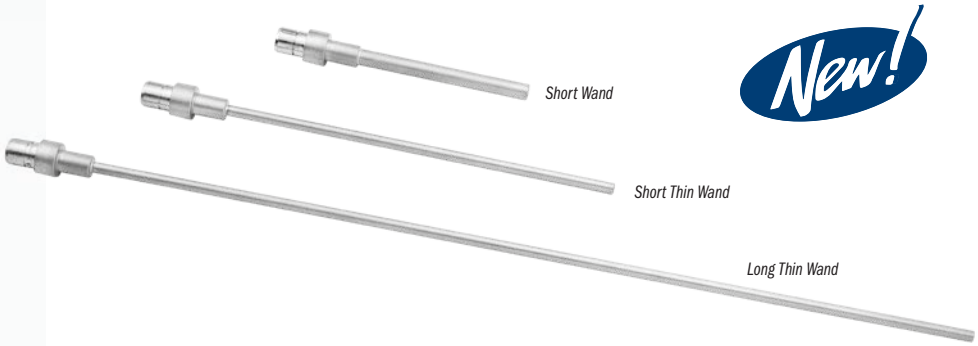
Ring-handled design with 3 rings gives 3-point grip for ease of holding and manipulation

Allows for superior gauge control and manipulation, to advance, engage and maintain the hook on the distal cortex by levering the probe against the bone hole and keeping gentle tension on the hook.

PRODUCT NO:
1139 *Overall Length – Contracted: 7.125" (18,1 cm)* *Overall Length – Extended: 9.125" (23,2 cm)* *Gauge: 0 to 50 mm*

USA MADE

Designed by Richard Mengato, MD US Patent # 8,512,349



New!

Light Wands – Short and Small Diameter

Short wand useful for proximal illumination, while thin diameter wands help illuminate deep cavities such as the femoral shaft

Light wands come with one (1) Disposable LED Light Source (#8010-01). Can also be attached to a fiber optic light cable with ACMI (female) connector.

PRODUCT NO:
8011-01-L [Short Light Wand] *Short Wand with (1) Disposable LED Light Source #8010-01* *Wand Length: 3" (7,6 cm) / Wand Shaft Diameter: 4.6 mm*
8011-02-L [Short Thin Light Wand] *Short Thin Wand with (1) Disposable LED Light Source #8010-01* *Wand Length: 5.5" (14 cm) / Wand Shaft Diameter: 3.2 mm*
8011-03-L [Long Thin Light Wand] *Long Thin Wand with (1) Disposable LED Light Source #8010-01* *Wand Length: 11" (28 cm) / Wand Shaft Diameter: 3.2 mm*

Designed by Anthony Unger, MD

USA MADE

Disposable LED Light Source

PRODUCT NO'S:
PACKAGE OF 1:
8010-01 [Disposable LED Light Source] *Overall Length: 2.5" (6,4 cm)* *Diameter: 1" (2,54 cm)*
PACKAGE OF 10:
8010-10 [Disposable LED Light Source]

Wand

LED Disposable Light Source and Reusable Light Wand Kit

Light wand designed for illumination of deep incisions – for use with the Innomed LED Disposable Light Source Only

PRODUCT NO:
8010-00 [Wand & One Light Source]

USA MADE

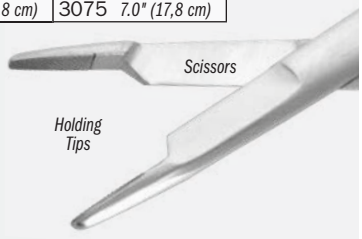
Orthopedic Needle Holder/Scissors

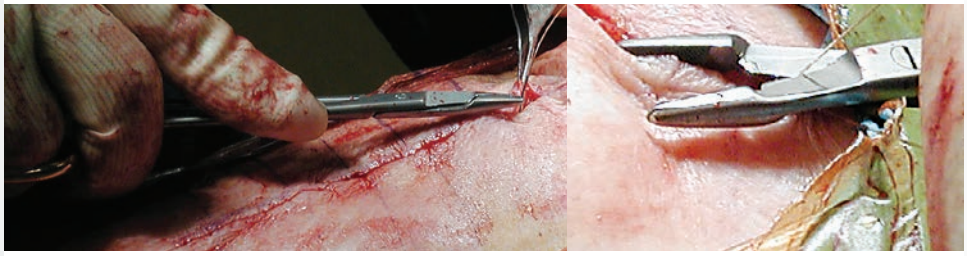
Drive a needle and cut a suture without changing instruments

Longer sizes are helpful in orthopedics.

PRODUCT NO'S:	
Standard Tips	***Tungsten Carbide Tips***
	3045 *4.5" (11,4 cm)*
3050 *5.5" (14 cm)*	3055 *5.5" (14 cm)*
3060 *6.5" (16,5 cm)*	3065 *6.5" (16,5 cm)*
3070 *7.0" (17,8 cm)*	3075 *7.0" (17,8 cm)*

MADE FOR INNOMED IN GERMANY





Rogozinski Locking Needle Driver/Scissors

Designed with a quick lock & release handle, can drive a needle and cut a suture without changing instruments

PRODUCT NO'S:	Designed by Chaim Rogozinski, MD
3083 [Standard] *Overall Length: 6.5" (16,5 cm)*	3084 [Large] *Overall Length: 7.75" (19,7 cm)*

MADE EXCLUSIVELY FOR INNOMED IN GERMANY

Sweed Dissecting Scissors

Designed with a blunt, flat bar fixed to the lower limb, the scissors also act as a dissector to protect underlying vital structures

PRODUCT NO:
3081 *Overall Length: 6.625" (16,8 cm)* *Bottom Pad: 16 mm x 6 mm)* *Pad Extension Beyond Scissor: 6 mm*

Designed by Tamer Sweed, FRCS (Orth)

MADE EXCLUSIVELY FOR INNOMED IN GERMANY

INNOMED

Adson Forceps with Cobb Elevator End

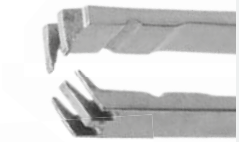
Has the advantages of having a Cobb tip at the end of an Adson forceps

Allows the opportunity to do soft tissue dissection, cleaning of the bone or bone fragments in a fracture, push bone fragments to hold a reduction in a fracture, separate soft tissue, and turn it around to pick up tissue without having to switch instruments back and forth.

PRODUCT NO:
1166 *Overall Length: 4.75" (12,1 cm)* *Tip Width: 2.4 mm (2,4 mm)*

Designed by Oscar Castro-Aragon, MD

MADE EXCLUSIVELY FOR INNOMED IN GERMANY



Charnley Type Tissue Needle Forceps

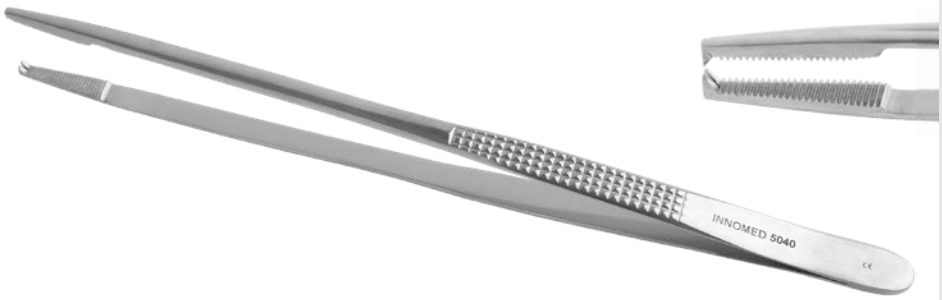
Helpful for wound closure in deep areas with fascia under tension such as hip or knee replacement

Can also help retrieve a needle in a tight area.

PRODUCT NO:
1165 *Overall Length: 6.875" (17,5 cm)*

Designed by Amal Das Jr., MD

MADE EXCLUSIVELY FOR INNOMED IN GERMANY



Long Bonney Tissue Forceps

Extra length—3" more than standard—allows for use in deep wound areas

PRODUCT NO:
5040 *Overall Length: 10" (25,4 cm)*

MADE EXCLUSIVELY FOR INNOMED IN GERMANY

GENERAL USE

Stanton Needle Driver

Allows a heavy cutting needle such as an OS-6 to be pushed through cancellous bone when re-attaching muscle or tendon

The groove captures the outer (convex) side of the needle and prevents the needle from spinning even when applying significant pressure. Useful for reattaching the rotator cuff in rotator cuff repairs, as well as in attaching suture anchors.

PRODUCT NO:
3042 *Overall Length: 6.75 (17,1 cm)* *Jaw Width: .25" (6,3 mm)*

Designed by John L. Stanton, MD, FACS

USA MADE

Suture Cutter

Needle Holder

Bates Needle Holder with Suture Cutter

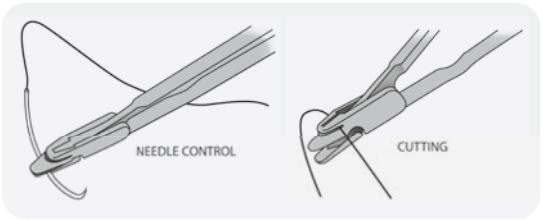
By trapping the suture and cutting when the forcep is opened, helps to reduce stress on the surgeon's hand

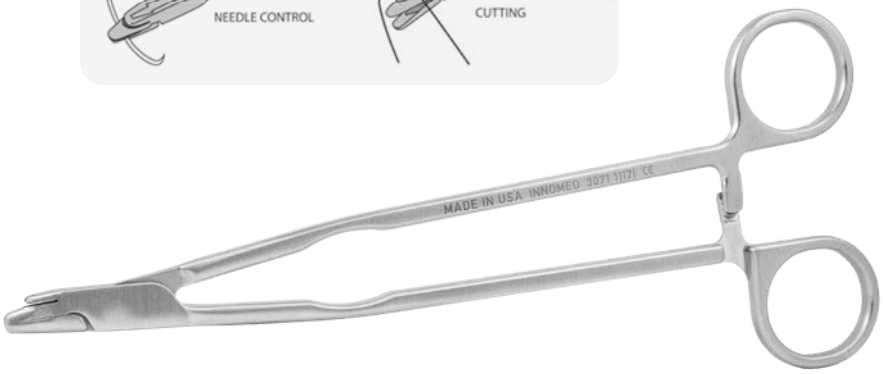
- No switching between needle driver and scissors, or need for assistant to cut sutures for you
- Cutting with opening of forceps reduces possibility of damage to surrounding tissues
- Sliding the instrument down to the suture knot allows quick and consistent 2 mm suture tails
- Slip the suture strands into the suture cutting slot and slide the closed instrument along until desired length of tail is achieved, then open the instrument to cut the sutures

PRODUCT NO:
3071 *Overall Length: 8.125" (20,6 cm)* *Jaw Width: .25" (6,4 mm)* *Open Jaw Length: .5" (12,8 mm)*

Designed by James E. Bates, MD

USA MADE



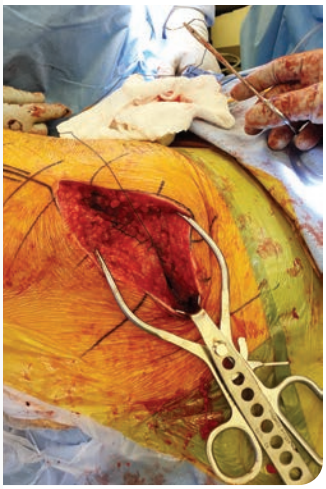


Ring Curettes

MADE FOR INNOMED IN GERMANY

PRODUCT NO'S:	
Straight Shaft *Overall Length: 8.75" (22,2 cm)*	***Bent Shaft*** *Overall Length: 8.75" (22,2 cm)*
5150 [3 mm, Straight] *Ring Diameter: 3 mm*	5156 [3 mm, Bent] *Ring Diameter: 3 mm*
5152 [6 mm, Straight] *Ring Diameter: 6 mm*	5157 [6 mm, Bent] *Ring Diameter: 6 mm*
5154 [8 mm, Straight] *Ring Diameter: 8 mm*	5158 [8 mm, Bent] *Ring Diameter: 8 mm*

INNOMED



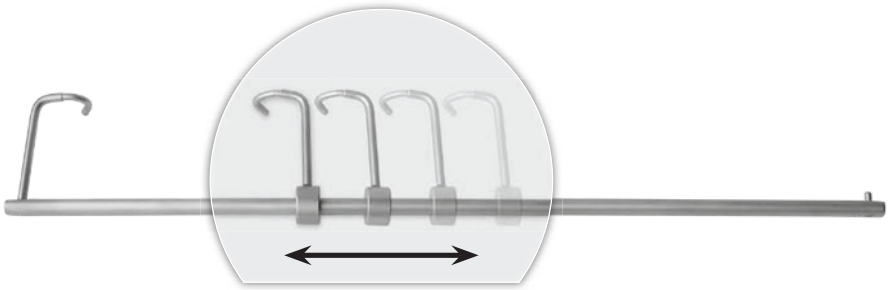
Stulberg Incision Close Gelpi & Blade Set

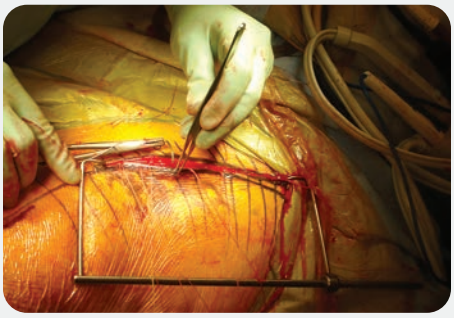
Designed to help expose difficult to visualize areas at the end of incisions

PRODUCT NO'S:
4269-00 [Set – 1 Gelpi & 1 Blade]
Also available Individually:
4269-01 [Gelpi] *Overall Length: 7.25" (18,4 cm)* *Maximum Spread Width: 3.5" (8,9 cm)*
4269-02 [Blade] *Overall Length: 5.5" (14 cm)* *Blade Width: 1" (2,54 cm)* *Blade Bend-Back Angle: 130°*

USA MADE

Designed by S. David Stulberg, MD





Incision Aligner

Designed to align an incision during closing

The bent ends of the aligner are placed at each end of an incision, which is aligned by pulling outward on each end. The sliding end will lock in place when it is tensioned. Pressing inward slightly on the sliding end will allow the aligner to be collapsed and removed.

PRODUCT NO:
1330 *Overall Length: 14" (35,6 cm)* *Blade Offset: 45 mm*

USA MADE

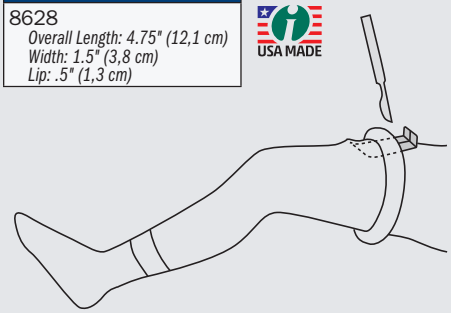
Dodson Extremity Skin Saver

Designed to help protect the patient's skin when removing a disposable tourniquet

PRODUCT NO:
8628 *Overall Length: 4.75" (12,1 cm)* *Width: 1.5" (3,8 cm)* *Lip: .5" (1,3 cm)*

Designed by Mark A. Dodson, MD

USA MADE



GENERAL USE

Cobb Elevators

Two Sizes Available With or Without Teeth

Ultra hard titanium nitride coating helps to extend blade life by increasing surface hardness, prolonging sharpness, and resisting chemicals and corrosion.

PRODUCT NO'S:
WITH TEETH
3432 [1/2" with Teeth] *Overall Length: 11" (27,9 cm)* *Blade Width: 1/2" (13 mm)*
3434 [1" with Teeth] *Overall Length: 11" (27,9 cm)* *Blade Width: 1" (25,4 mm)*
WITHOUT TEETH
3436 [1/2" without Teeth] *Overall Length: 11" (27,9 cm)* *Blade Width: 1/2" (13 mm)*
3438 [1" without Teeth] *Overall Length: 11" (27,9 cm)* *Blade Width: 1" (25,4 mm)*

USA MADE

Bradley Periosteal Elevator

PRODUCT NO'S:
4719 [1/2"] *Overall Length: 11" (27,9 cm)* *Blade Width: .5" (13 mm)*
4720 [3/4"] *Overall Length: 11" (27,9 cm)* *Blade Width: .75" (19 mm)*

Designed by Gary W. Bradley, MD

USA MADE

Periosteal Elevator

Designed for better control

Designed with a curved end for easier use, and sharper sides for ease of elevating and stripping. The handle is designed for better control.

PRODUCT NO'S:
3450 [Curved] *Overall Length: 7.5" (19,1 cm)* *Handle Length: 4.5" (11,4 cm)* *Blade Size: 16 x 13 mm*
3455 [Straight] *Overall Length: 7.75" (19,7 cm)* *Handle Length: 4.5" (11,4 cm)* *Blade Size: 19 x 14 mm*

USA MADE

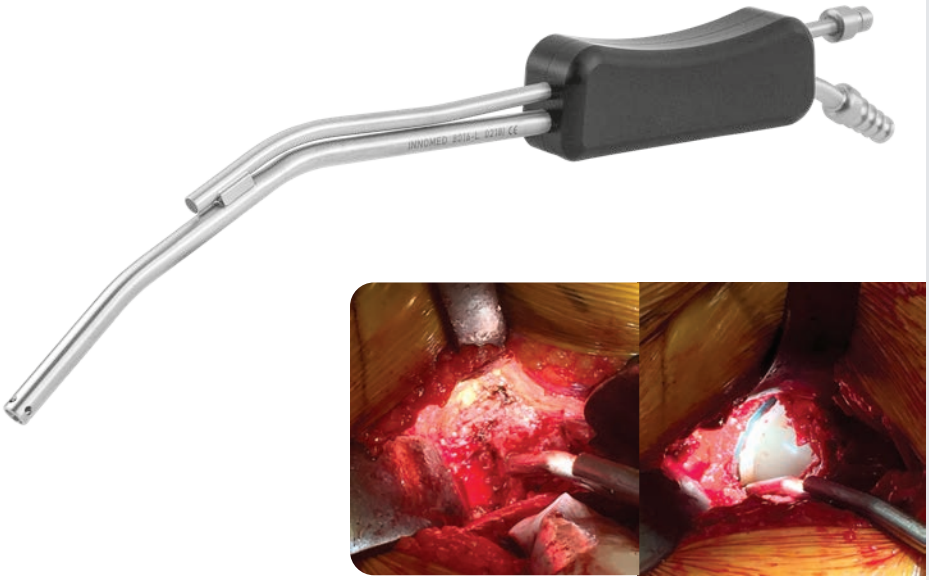
Gelbke Cobb Elevator with Suction

Designed to be used during exposure of the posterior spine, as well as for pelvic and acetabular trauma cases

PRODUCT NO:
3433 *Overall Length: 12.75" (32,4 cm)* *Cobb End Width: 18 mm (.7")* *Shaft plus Head Length: 5.5" (15 cm)*

USA MADE

Designed by Martin K. Gelbke, MD



Lighted Yankaur Suction Device

Designed to help provide effective suction with the addition of a light source for enhanced visualization

- Device comes with one (1) Disposable LED Light Source (#8010-01)
- Can also be attached to a fiber optic light cable with ACMI (female) connector
- The handle is made of Delrin
- Entire device is steam sterilizable

PRODUCT NO'S:
8016-L-01 *Overall Length: 11.75" (29,8 cm)* *Handle Length: 3.93" (10 cm)* *Handle Width: .86" (2,2 cm)* *Suction Tube Diameter: .25" (6,35 mm)*

Designed by Adolph V. Lombardi Jr., MD

USA MADE

Beicker Curette Suction Device

Designed to help visualization of a fracture site within a fracture hematoma

Also useful for arthroscopic curettage of osteochondral lesions.

PRODUCT NO:
4231 *Overall Length: 10.5" (26,7 cm)* *Curette Cup: 7.5 mm x 5.5 mm*

Designed by Clint Beicker, MD

USA MADE

Ortho Suction Tube

Very effective for suction and minor retracting

Helps eliminate plugging due to bone, cement fragments, blood clots, etc.

PRODUCT NO:
5465 *Overall Length: 9.25" (23,5 cm)* *End Hole Dia.: 1 mm* *Side Hole Dia.: 1.5 mm*

Designed by T. Eickmann, MD

USA MADE

GENERAL USE

White Aspiration Handle

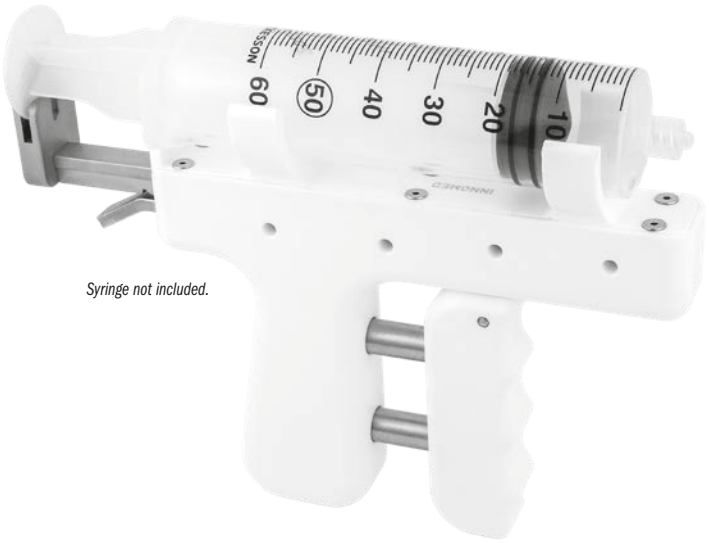
Designed for aspiration of cavities or spaces that have greater than 20 ml volume, such as joints, bone marrow, and the illiac crest

Works with a 60 ml syringe only. Syringe not included.

PRODUCT NO:
1131 *Height: 5" (12,7 cm)* *Length: 6.5" (16,5 cm) / Extends to 11" (27,9 cm)* *Width at Syring Holder: 1.5" (3,8 cm)* *Body Width: .9" (2,3 cm)*

USA MADE

Designed by Edward White, MD



Syringe not included.

Gray Syringe Assist with Ergonomic Handle

Designed by Robert Gray, MD

For use in the O.R or the office, the design helps to prevent hand fatigue and pain when injecting with a 20mL syringe over multiple cases

- Sterilizable for O.R use, such as injecting the posterior capsule during TKA
- Especially useful for injecting preoperative local anesthesia for WALANT surgery
- Uses finger flexors to generate more force over more surface area than only the thumb flexor
- Ratchet mechanism ensures maximal grip force generation throughout entire injection

Syringe not included.

PRODUCT NO:
8988 *Overall Length - Closed: 5.25" (13,3 cm)* *Overall Length - Open: 7.5" (19,1 cm)* *Height: 5" (12,7 cm)* *Syring Diameter: 21 mm*

USA MADE

Patent Pending

Syringe not included.

Radiation Attenuating Surgical Gloves

Powder-free gloves provide increased protection from direct x-ray beam and scattered radiation

Reduced Exposure
Lead-free, surgical gloves attenuate direct or scattered rays and are an environmentally friendly alternative to leaded gloves.

Freedom of Movement
Gloves are very thin—ONLY 0.007" THICK—to allow the greatest possible flexibility, dexterity, and sensitivity of touch while decreasing finger fatigue.

Natural Latex Free & Powder-Free
Reduced risk of natural rubber latex allergies.

Quality Guaranteed
All gloves are 100% tested for pin holes and leaks.

Applications
Fluoroscopy, Orthopedics, Radioisotope Handling, Cardiology, Radiology, Dental, Nuclear Medicine

PRODUCT NO'S:	
5 PAIRS/PACK	***25 PAIRS/PACK***
7510-01 7.0	7510-02 7.0
7515-01 7.5	7515-02 7.5
7520-01 8.0	7520-02 8.0
7525-01 8.5	7525-02 8.5
7530-01 9.0	7530-02 9.0

USA MADE

Protect your hands!

Suitable for reducing harmful radiation exposure during any procedure requiring the use of fluoroscopy

Average Radiation Attenuation Levels Measured in the Direct Beam

Beam Quality	Aluminum Half Value Layer	Measured Attenuation
60 kVp	HVL = 2.3 mm	58.7%
80 kVp	HVL = 3.3 mm	49.9%
100 kVp	HVL = 4.3 mm	44.6%
120 kVp	HVL = 5.6 mm	40.6%

NOTE: Double gloving with conventional latex surgical gloves provides only 1% attenuation.
Levels are measured by a fixed filter equivalent: 2.5 mm Al

INNOMED

FREE TRIAL ON MOST INSTRUMENTS

INSTRUMENT EVALUATION POLICY

All instruments are available for a no-charge 2-week evaluation (excluding extraction instruments—which are available to rent. There is a pad replacement charge with all Hip Positioners.

INSTRUMENT RENTAL

All Innomed, Inc. implant extraction instruments are available for rental on a per-case basis. Please call for more information.

INNOMED WARRANTY

One year for defective merchandise. Our instruments are designed for a specific purpose and should be used accordingly. Warranty is void if instrument has not been maintained properly or used for its intended purpose.

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Savannah, GA 31404

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