

INNOMED

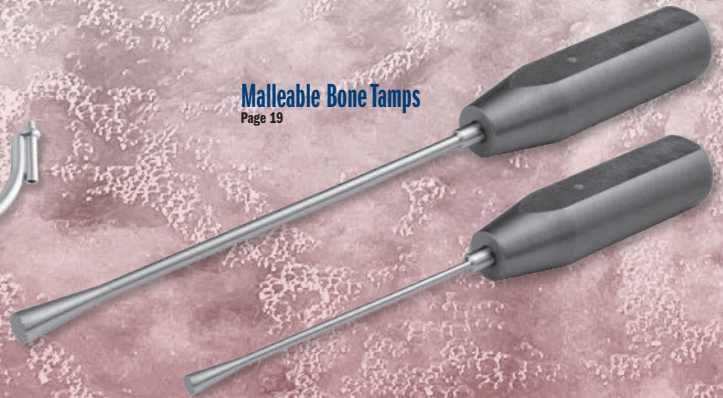
ORTHOPEDIC INSTRUMENTS



MAY
2023



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Trauma Instruments

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Soft Impact Mallets with Easy Grip Handles

Weidman handle designed by Kevin Weidman, MD

Provides shock-absorbing force

Filled with a shock-absorbing media and has a flat striking surface to keep the mallet centered on an instrument while providing less bounce or wasted force.

The comfortable Easy Grip handle is made of a textured silicone that helps prevent the surgeon's gloved hand from slipping and helps maintain a solid grip. The bottom can also be used to tap an implant in place.

The mallet with delrin head features a replaceable delrin head.



Easy Grip Handles

Textured Soft Silicone

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" grip made of a textured silicone that helps prevent the surgeon's gloved hand from slipping and helps maintain a solid grip.

Jones Mallet

Designed by Dickie Jones, MD

Unique hand fitting shape provides superior gripping strength

This striking instrument has a unique hand fitting shape that provides superior gripping strength for accurate light to heavy impaction.

Aluminum Tapered Maul/Mallet

The 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'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. w/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



Replacement Delrin Heads

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"
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)



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)



PRODUCT NO:	
7828 [2.5 lbs]	Overall Length: 9.15" (23,2 cm) Handle Length: 6" (15,2 cm) End Diameter: 3" (7,6 mm)





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. Recommended for use with the disposable sterile kit, one of which is included, with additional kits sold separately.



Shown with Disposable Sterile Kit (weight not included)

PRODUCT NO'S:
0007 [Jackson Traction Device] <i>This product number includes (1) #0008 Disposable Sterile Kit</i>
Sold Separately:
0008 [Disposable Sterile Kit] <i>Kit Includes: (1) Impervious Stockinette and (1) 11 ft. Traction rope</i>
0008-CASE [Case of Disposable Sterile Kits] Pkg of 10



By twisting the dial, the device can be raised, lowered or rotated as needed

Mounts to the base of the OR table

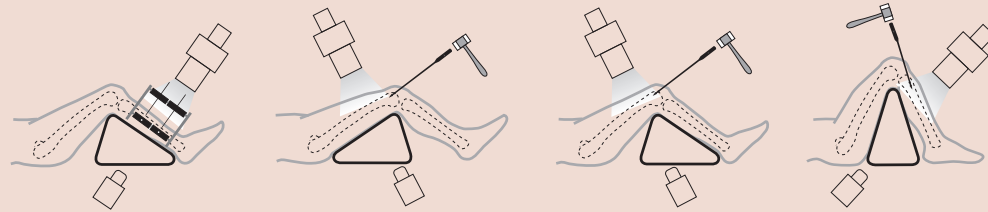


Fromm Femur & Tibia Triangles

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

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

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 also radiolucent and gas or steam sterilizable.



Tibia Reduced For:

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

Retrograde Femoral Nailing

Triangle holds femur reduced (prevents sagging)

Retrograde Femoral Nailing

Tibial Nailing

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

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



Auerbach Arm Holder Rake Retractor Set

Designed by David M. Auerbach, MD

Allows intraoperative positioning for procedures of the posterior arm, elbow, and forearm



PRODUCT NO'S:	
2415-00	[Auerbach Arm Holder Rake Retractor Set]
Individual/Replacement Parts:	
2415-01	[Auerbach Arm Holder Assembly] Overall Length: 20" (50,4 cm) Arm Holder Dimensions: 14.5" x 4" (36,9 x 10,2 cm) Overall Width including Cleats: 7.5" (19,1 cm)
2415-02	[Auerbach Arm Holder Upright Rod] Overall Length: 19.25" (49,9 cm)
2415-04	[Auerbach 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	[Auerbach 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-S	[Black Strap - Pkg of 10] Two straps included in set, ten 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)



- ▶ 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



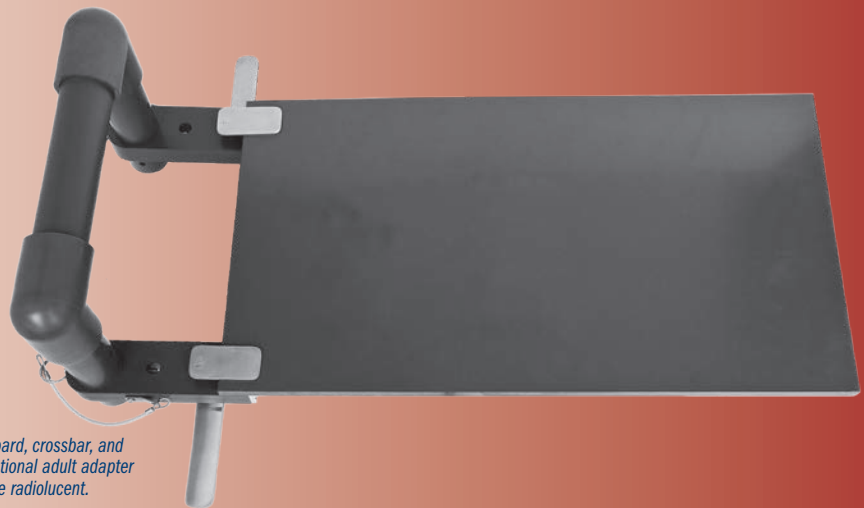
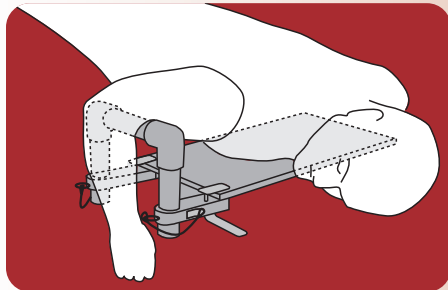
Set includes: Arm Holder Upright and Assembly, (2) 4-Prong Chain Retractors, (2) 6-Prong Chain Retractors, (2) Black Straps, Silicone Pad, and Table Clamp.

Distal Humerus Fracture Board

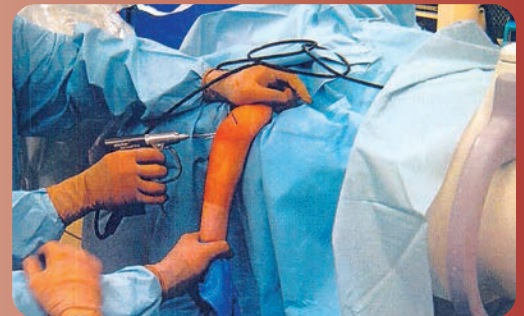
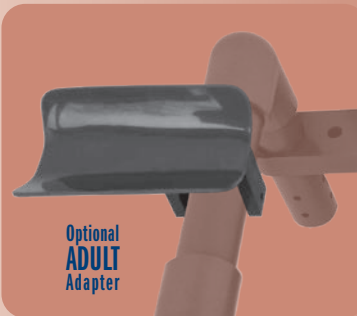
Designed by Burk Young, MD

Designed for the pinning of pediatric supracondylar 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 adjustable to accommodate different size patients. Reduction is achieved 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.

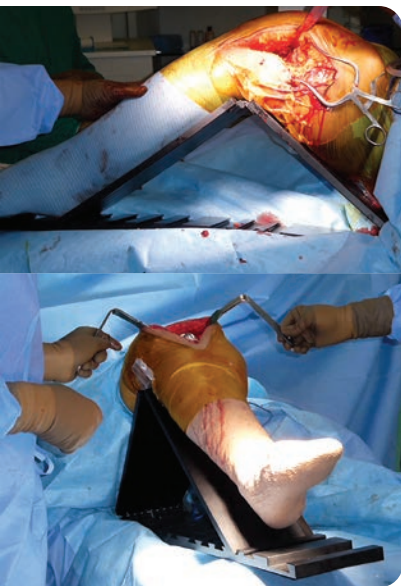


Board, crossbar, and optional adult adapter are radiolucent.



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]



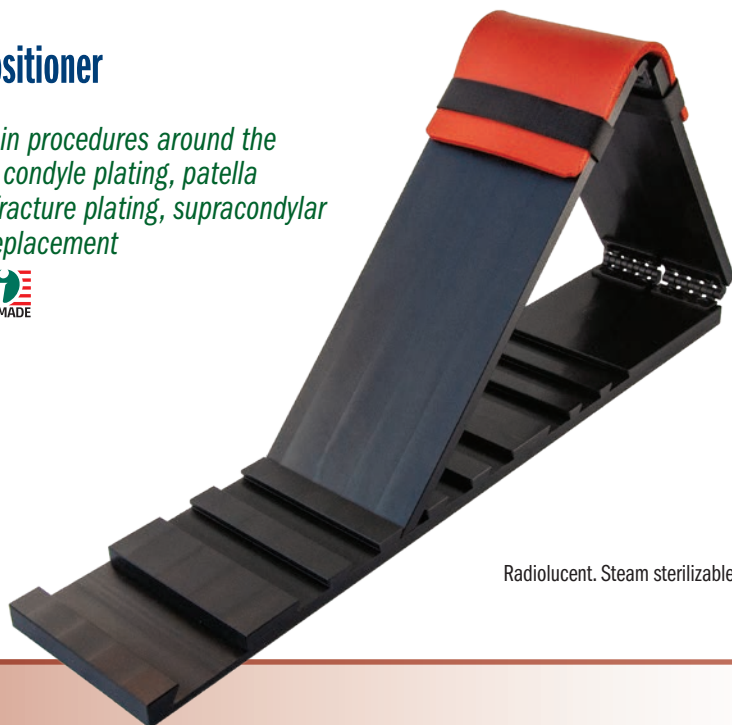


Adjustable Knee & Tibial Positioner

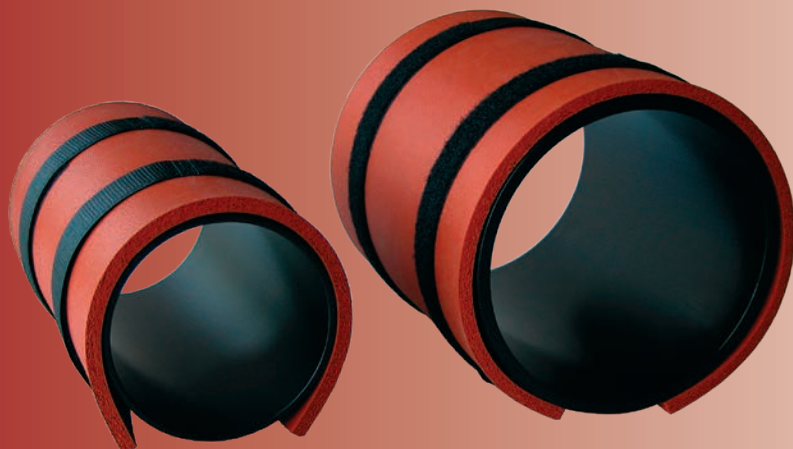
Designed by Ashutosh Chaudhari, MD

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

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



Radiolucent. Steam sterilizable.



Sanders Extremity Positioning Tubes

Designed by Richard A. Sanders, MD

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)



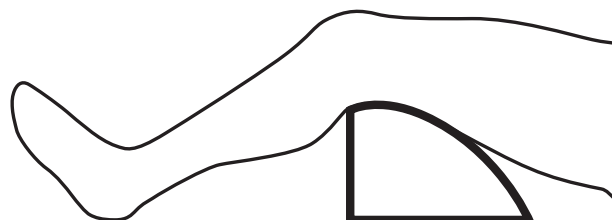
Lower Extremity Leg Positioner

Designed by Ronald Romanelli, MD

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.

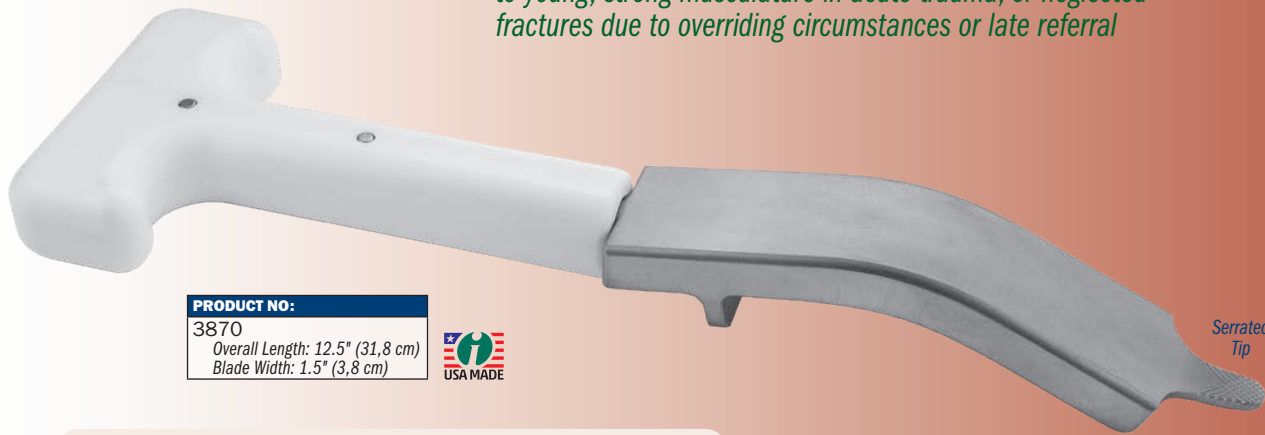
PRODUCT NO'S:
2745 Dimensions: 5.5" H x 9.5" L x 9.25" W (12,7 cm x 24,1 cm x 23,5 cm)
Replacement Parts:
2760-P [Silicone Pad]



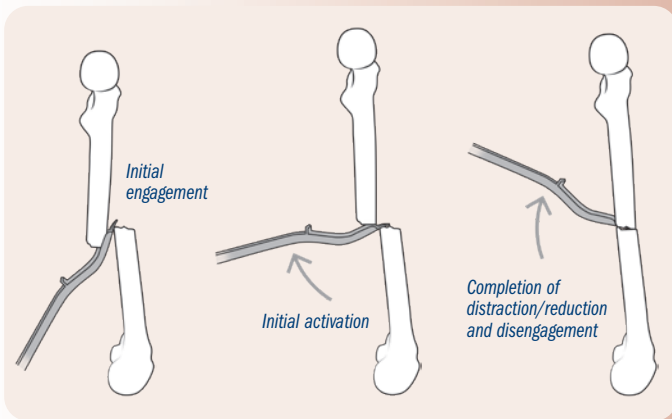
AK Fracture Reducer

Designed by Byron McCord, MD

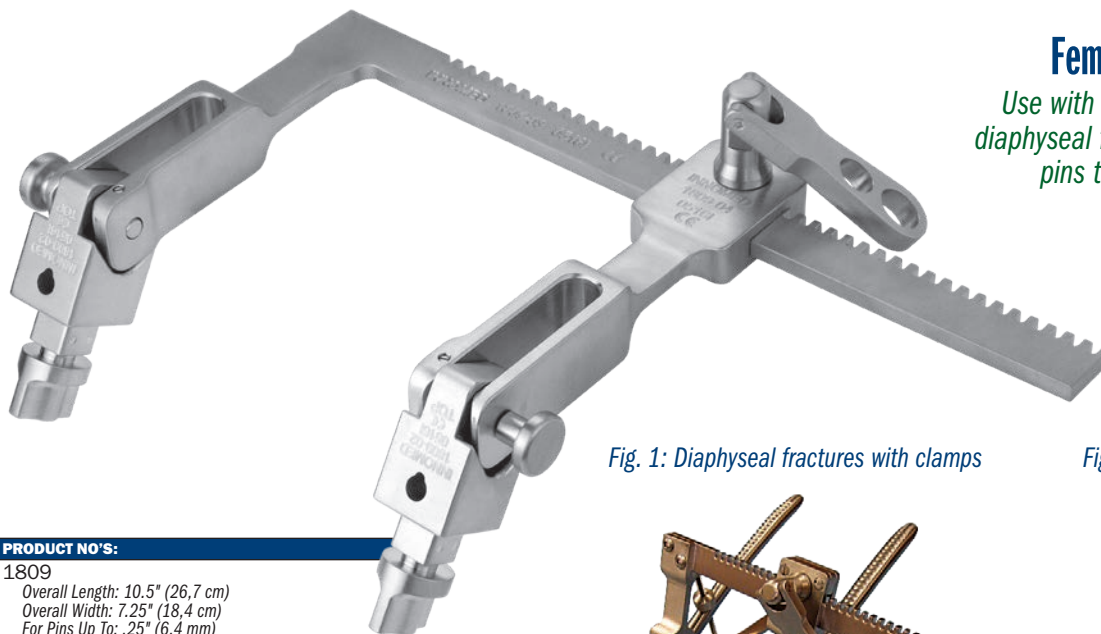
Designed to help reduce long bone fractures of the femur and tibia, especially helpful with shortened long bone fractures due to young, strong musculature in acute trauma, or neglected fractures due to overriding circumstances or late referral



PRODUCT NO:
3870
Overall Length: 12.5" (31,8 cm)
Blade Width: 1.5" (3,8 cm)



- ▶ 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



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.

Fig. 1: Diaphyseal fractures with clamps

Fig. 2: Intra-articular fracture using pins

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

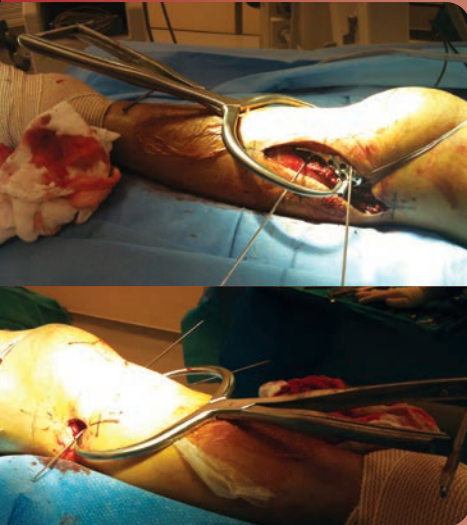


Periarticular Reduction Forceps

Designed for reduction of intra-articular and periarticular fractures



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)

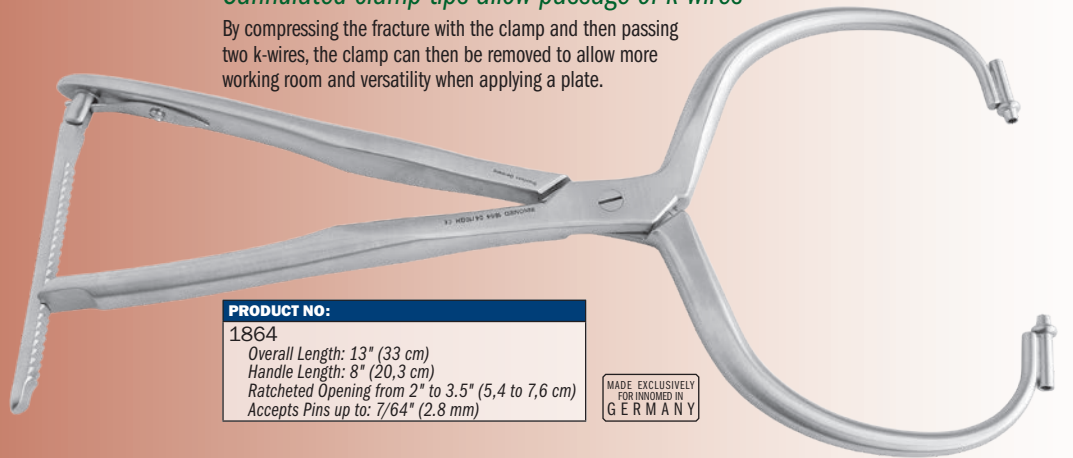


Vosburg Cannulated Periarticular Clamp

Designed by Caleb Vosburg, MD

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 Opening from 2" to 3.5" (5,4 to 7,6 cm)
Accepts Pins up to: 7/64" (2,8 mm)

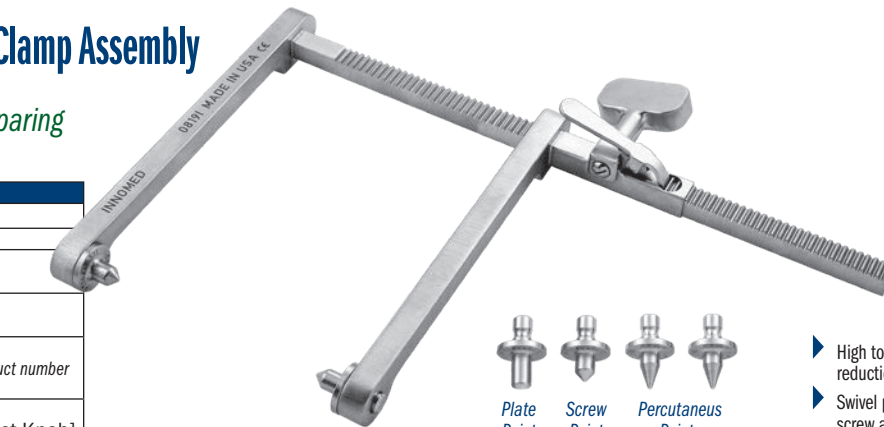
MADE EXCLUSIVELY FOR INNOVED IN GERMANY

Ratcheting Reduction Clamp Assembly

Designed by Michael Craig, OPA-C

Designed as a soft tissue sparing fracture reduction clamp

PRODUCT NO'S:
3840-00 [Clamp Assembly]
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 assembly, 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)



Assembly includes:
(1) Ratcheting Reduction Stationary Arm,
(1) Ratcheting Reduction Mobile Arm with Ratchet Knob,
(1) Plate Point, (1) Screw Point, and (2) Percutaneous Points

- ▶ 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 hole



Browner MIS Bone Clamp

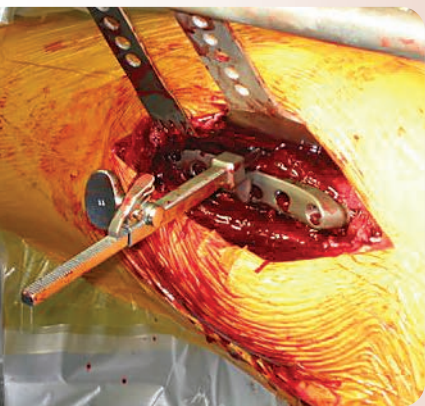
Designed by Bruce D. Browner, MD

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

PRODUCT NO:
1379
Overall Length: 9.25" to 11.5" (23,5 to 29,2 cm)
Maximum Bone Diameter: ~ 35 mm



Sized to allow use on a femur, tibia or humerus.



Durkan Ratchet Bone Clamps

Designed by John Durkan, MD

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)

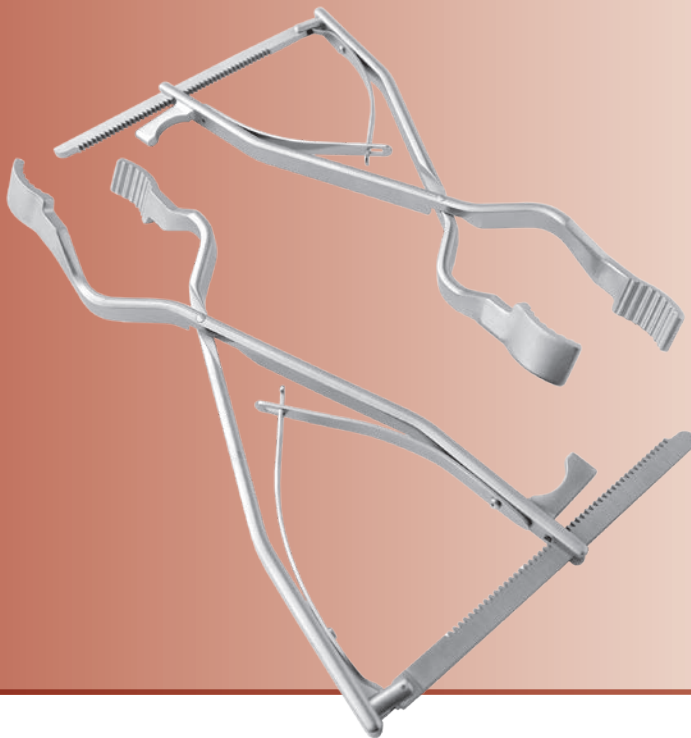
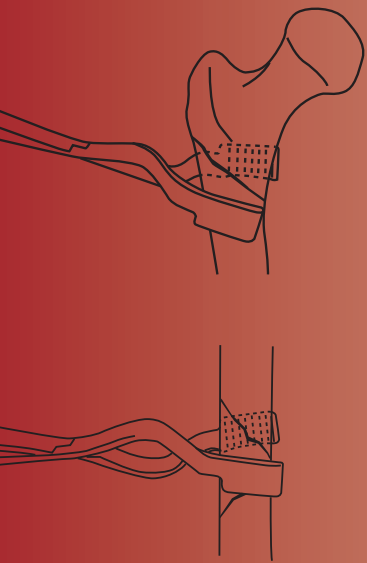


Large Bone Clamp with Plate Protection

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)





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.

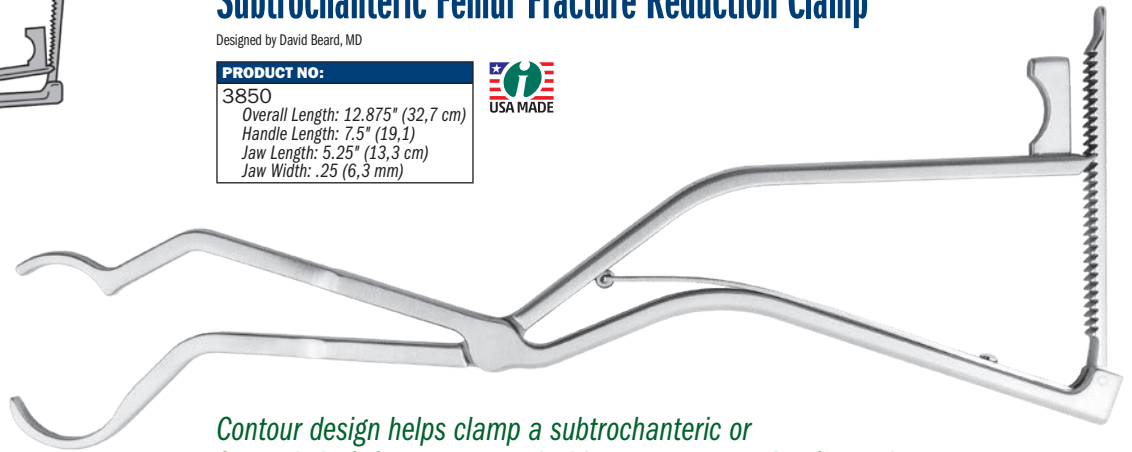
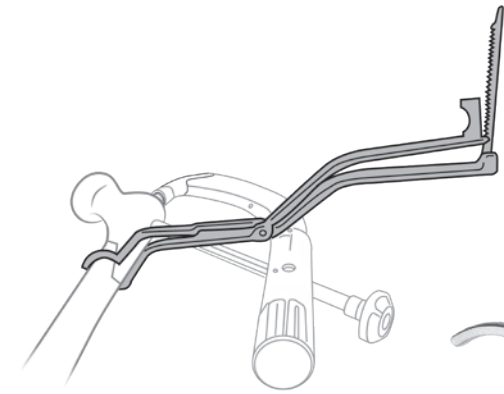
PRODUCT NO'S:
3860-L [Left] Overall Length: 11.25" (28,6 cm)
3860-R [Right] Overall Length: 11.25" (28,6 cm)



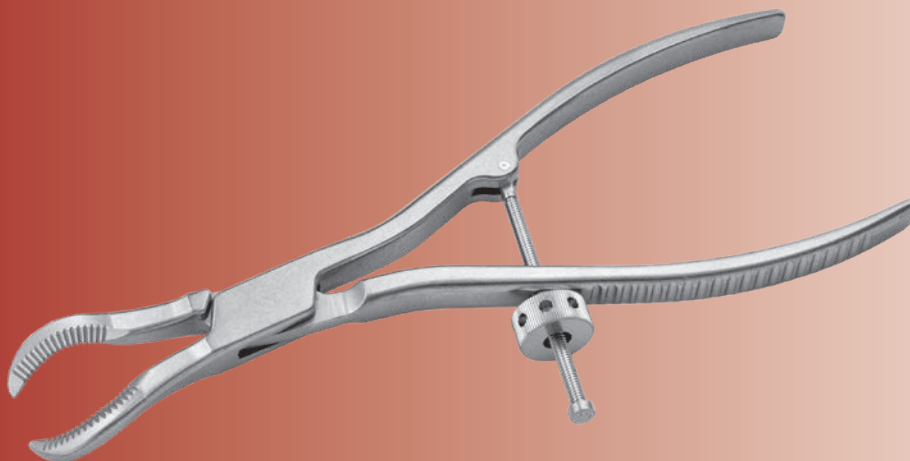
Subtrochanteric Femur Fracture Reduction Clamp

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)



Contour design helps clamp a subtrochanteric or femoral shaft fracture treated with current generation femoral IM rodding systems using external aiming arms/targeting devices



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)



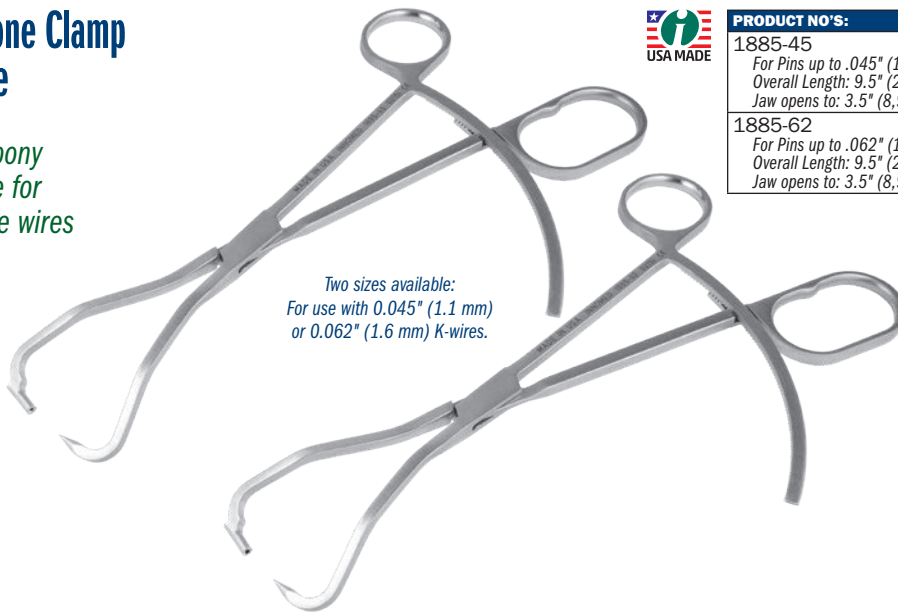
Redler Wrist Bone Clamp with Wire Guide

Designed by M.R. Redler, MD

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



Two sizes available:
For use with 0.045" (1.1 mm)
or 0.062" (1.6 mm) K-wires.



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)



Wetzel Acetabular Fragment Clamp

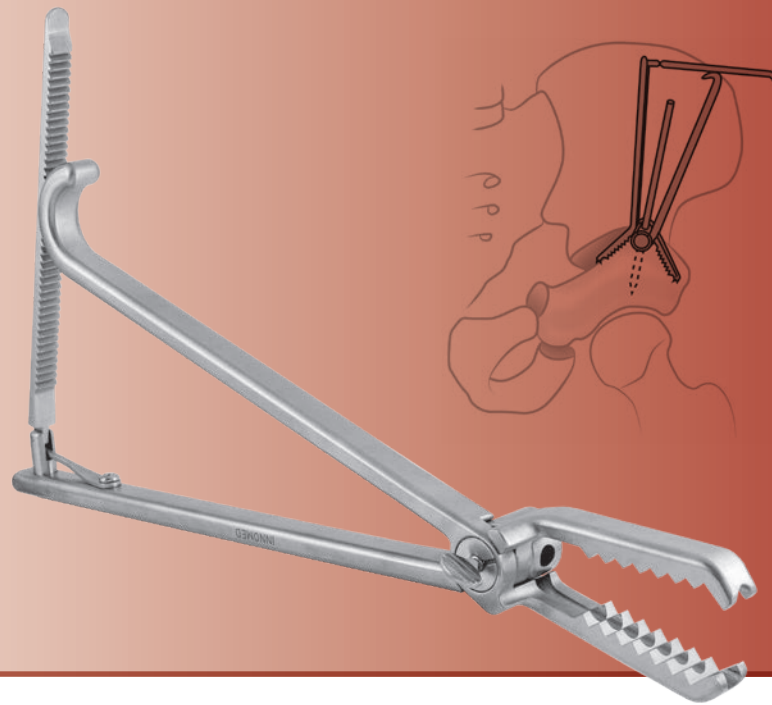
Designed by Robert Wetzel, MD & Todd O. McKinley, MD

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 conjunction with the clamp – providing a unified pin-and-clamp together that is stronger than each separately and offers enhanced fragment control.

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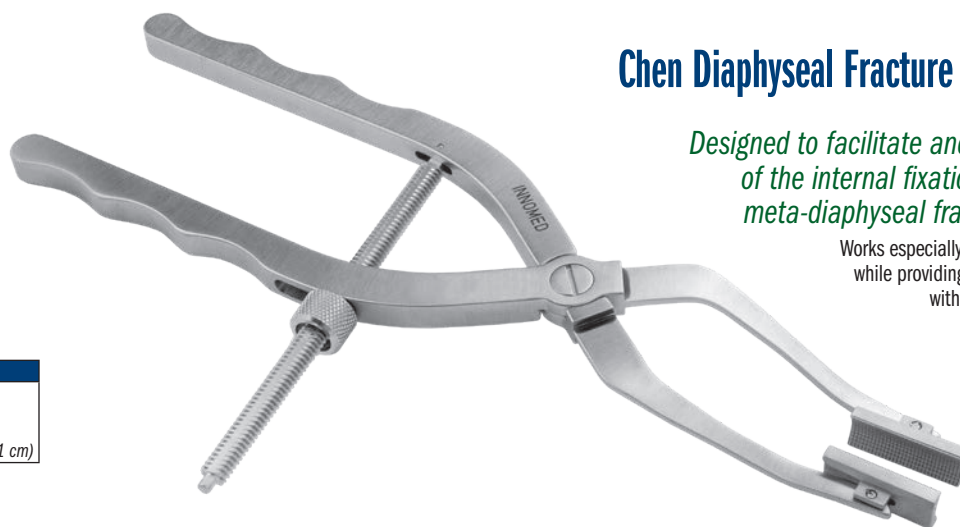
3648
Overall Length: 11.5" (29,2 cm)
Jaw Opens to: 1.375" (3,5 cm)
Jaw Length: 2.5" (6,4 cm)
Jaw Width: .5" (12,7 mm)
Hole Diameter for Schantz Pin Up To: .25" (6,3 mm)



- ▶ 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)



Chen Diaphyseal Fracture Reduction Clamp

Designed by Franklin Chen, MD

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.

Durham Bone Reduction Clamps

Designed by Alfred A. Durham, MD

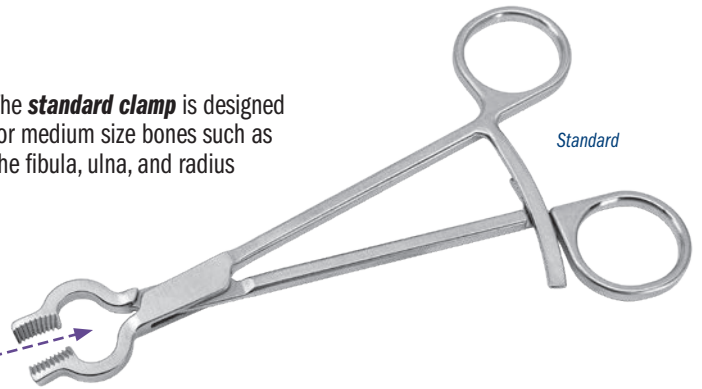
Allows application of a bone plate without removing the reduction clamp

The large 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)

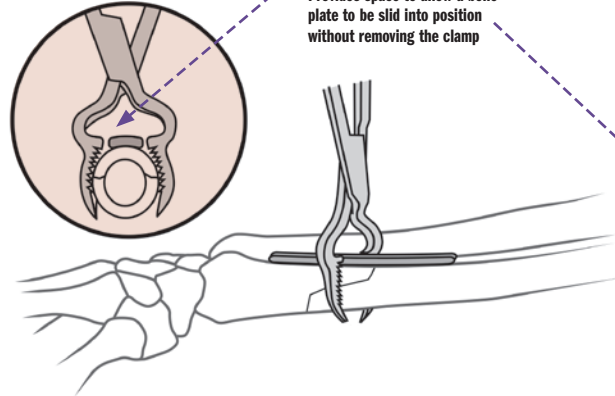


▶ The **standard clamp** is designed for medium size bones such as the fibula, ulna, and radius

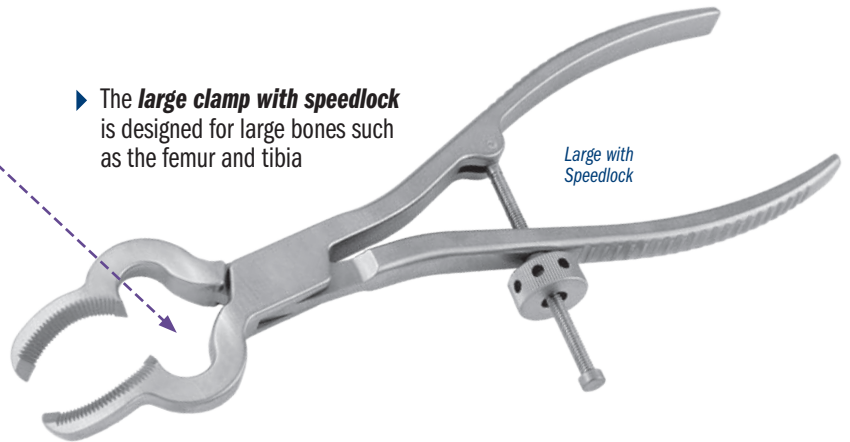


Standard

Large Window
Provides space to allow a bone plate to be slid into position without removing the clamp



▶ The **large clamp with speedlock** is designed for large bones such as the femur and tibia



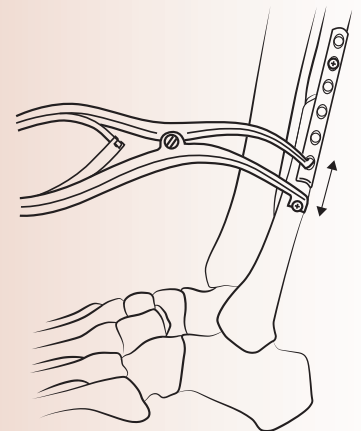
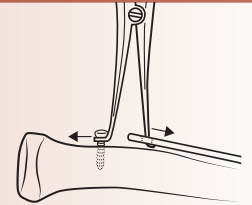
Large with Speedlock



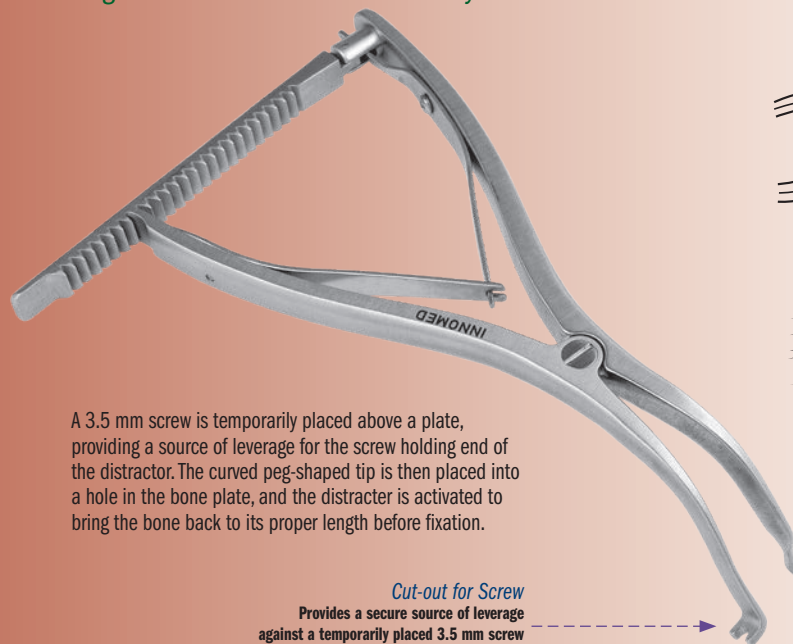
Wixted Fracture Distractor

Designed by John J. Wixted, MD

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



PRODUCT NO:
1882 Overall Length: 7" (17,8 cm)



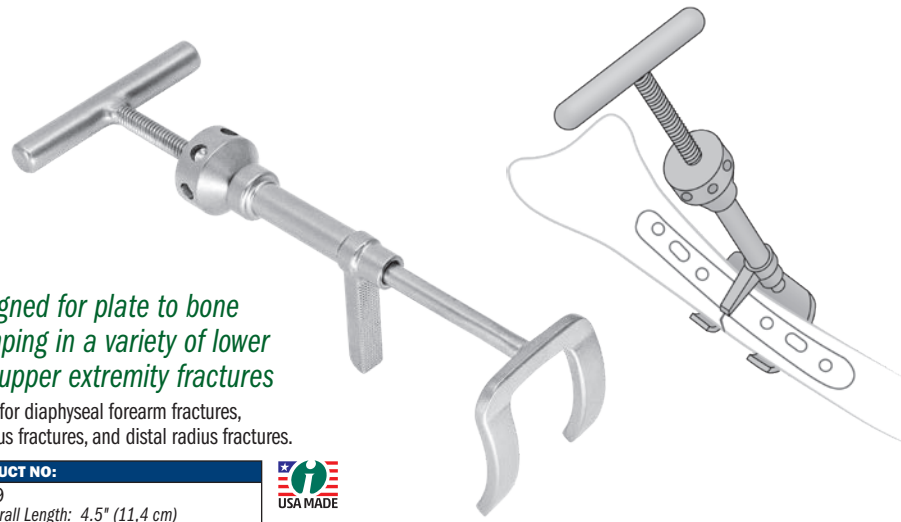
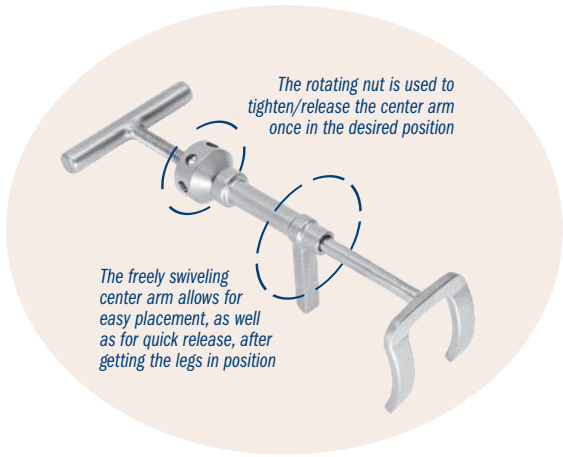
A 3.5 mm screw is temporarily placed above a plate, providing a source of leverage for the screw holding end of the distractor. The curved peg-shaped tip is then placed into a hole in the bone plate, and the distractor is activated to bring the bone back to its proper length before fixation.

Cut-out for Screw
Provides a secure source of leverage against a temporarily placed 3.5 mm screw

Curved Peg-shaped Tip
Fits securely into a hole in a bone plate for leverage

Chen Low Profile Plate/Bone Clamp

Designed by Franklin Chen, MD



Designed for plate to bone clamping in a variety of lower and upper extremity fractures

Useful for diaphyseal forearm fractures, humerus fractures, and distal radius fractures.

PRODUCT NO:

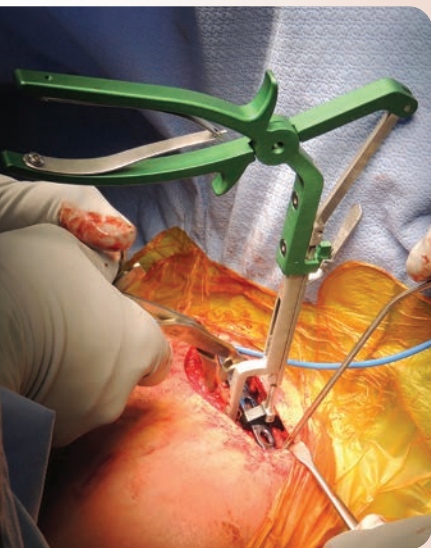
1639

Overall Length: 4.5" (11.4 cm)

Prong Depth: 1" (2.5 cm)

End Prong Width: 6 mm | 16 mm Gap | 6 mm

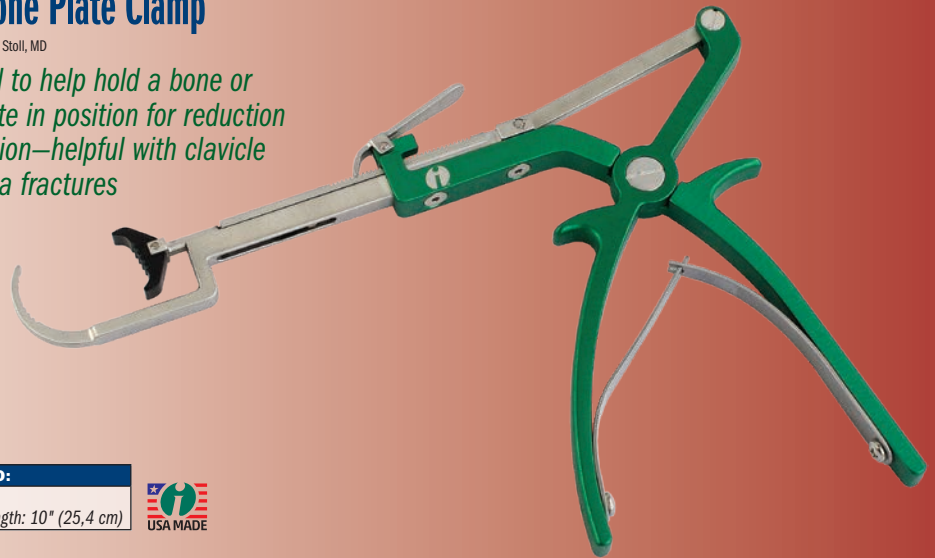
Clamps from: .375" to 2.4" (1 to 6 cm)



Stoll Bone Plate Clamp

Designed by Jordan Stoll, MD

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)



Fracture Reduction Punch Clamp

Designed by Jong-Keon Oh, MD

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)



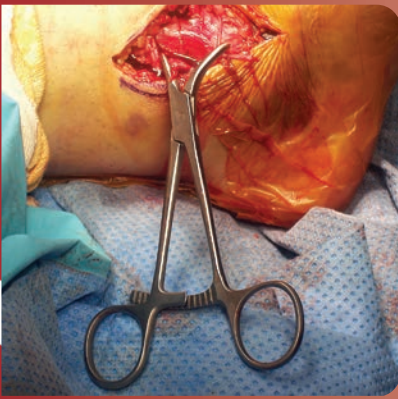
Calvo Fracture Reduction Clamp

Designed by Ignacio J. Calvo, MD

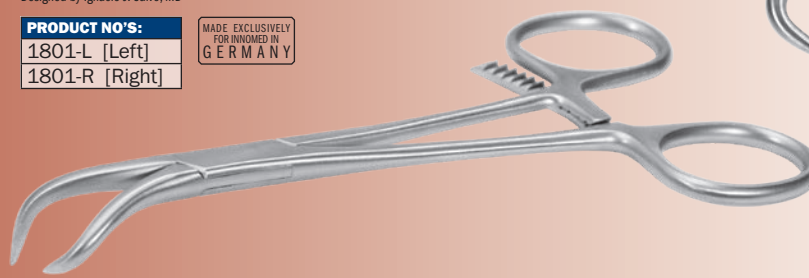
PRODUCT NO'S:

1801-L [Left]
1801-R [Right]

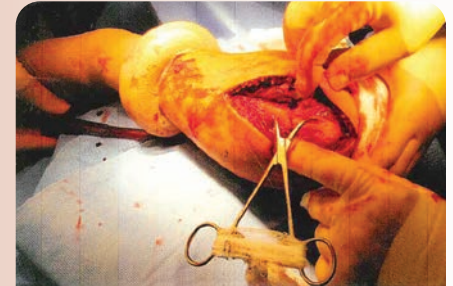
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Medial Malleolus Fracture Reduction



Designed to reduce and hold a displaced medial malleolus fracture, as well as to reduce and hold in place transverse fractures of the olecranon, to facilitate the insertion of k-wires and tension bands

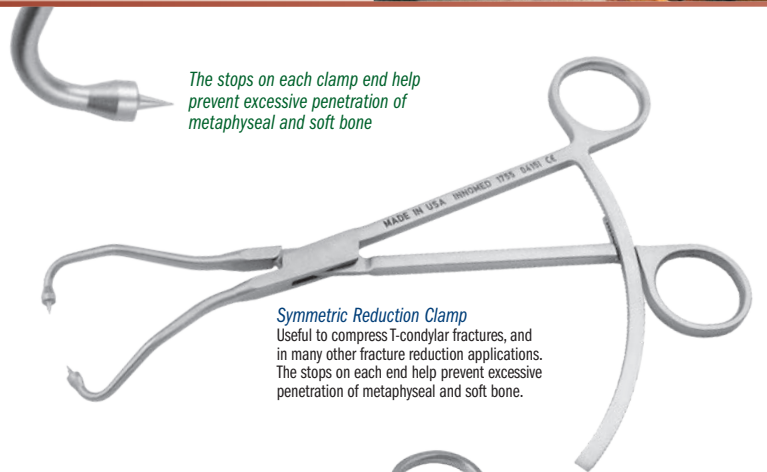
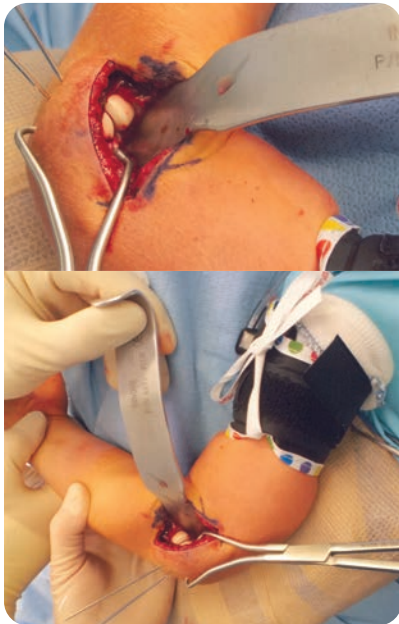


Olecranon Fracture Reduction

Lateral Condyle Fracture Set

Designed by Carl R. Weinert, MD

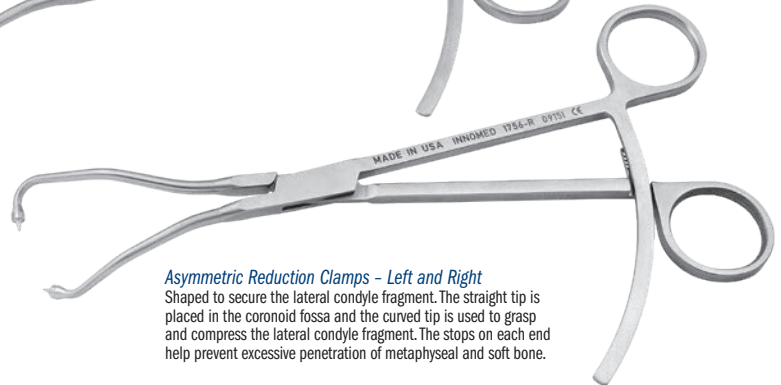
Designed for adult and pediatric lateral condyle fractures



The stops on each clamp end help prevent excessive penetration of metaphyseal and soft bone

Symmetric Reduction Clamp

Useful to compress T-condylar fractures, and in many other fracture reduction applications. The stops on each end help prevent excessive penetration of metaphyseal and soft bone.



Asymmetric Reduction Clamps - Left and Right

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 stops on each end help prevent excessive penetration of metaphyseal and soft bone.



PRODUCT NO'S:

4697-00 [Set with Case]
Set Includes / Available Individually:
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)



Elbow Retractor

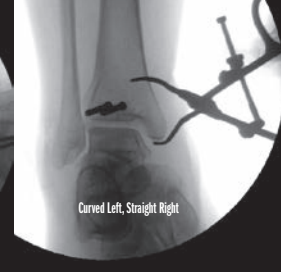
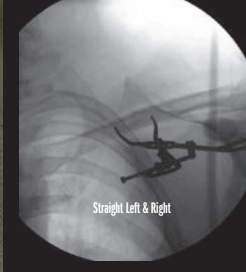
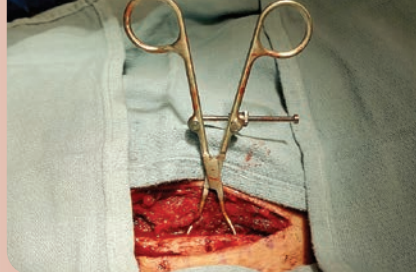
Designed for use within the elbow joint to retract the anterior capsule, and provide full exposure of the anterior articular surface for reduction and fixation of displaced lateral condyle fractures. The small blunt ti hooks over the intact medial condyle.

Pointed Fracture Reduction Clamps

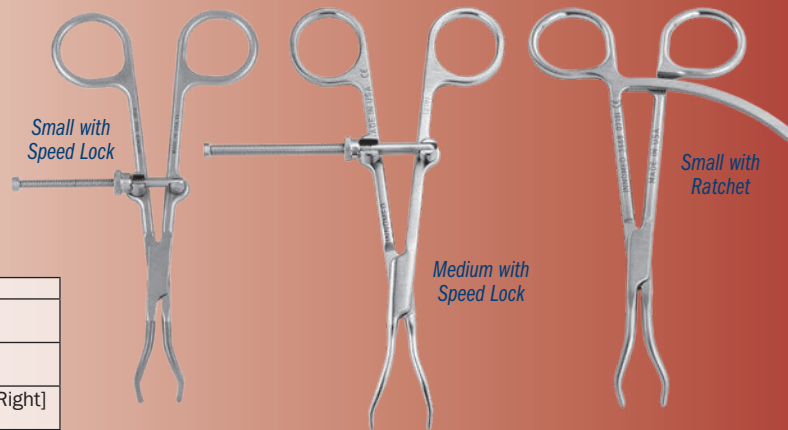
Designed by Reza Firoozabadi, MD MA

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

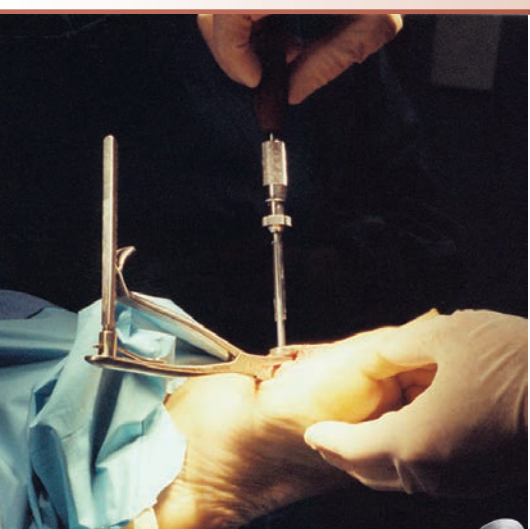
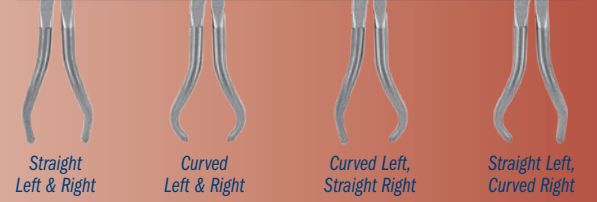
- ▶ 1.9 mm tines allow for a snug fit in 2 mm drill holes
- ▶ Tines angled to prevent clamp "slippage" with compression
- ▶ Straight tines can be placed deep within bone which allows for far cortex compression.
- ▶ Clamps incorporate a box joint design that prevents clamp joint loosening and the need 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



PRODUCT NO'S:	
SMALL WITH SPEED LOCK MECHANISM	MEDIUM WITH SPEED LOCK MECHANISM
3666 [Straight Left & Right] Overall Length: 5.5" (14 cm)	3666-01 [Straight Left & Right] Overall Length: 7" (17,8 cm)
3667 [Curved Left & Right] Overall Length: 5.5" (14 cm)	3667-01 [Curved Left & Right] Overall Length: 7" (17,8 cm)
3666-L [Curved Left, Straight Right] Overall Length: 5.5" (14 cm)	3666-L-01 [Curved Left, Straight Right] Overall Length: 7" (17,8 cm)
3666-R [Straight Left, Curved Right] Overall Length: 5.5" (14 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)	



Two styles – Speed Lock and Ratchet – each available in four tine configurations



O'Brien Bone Clamps

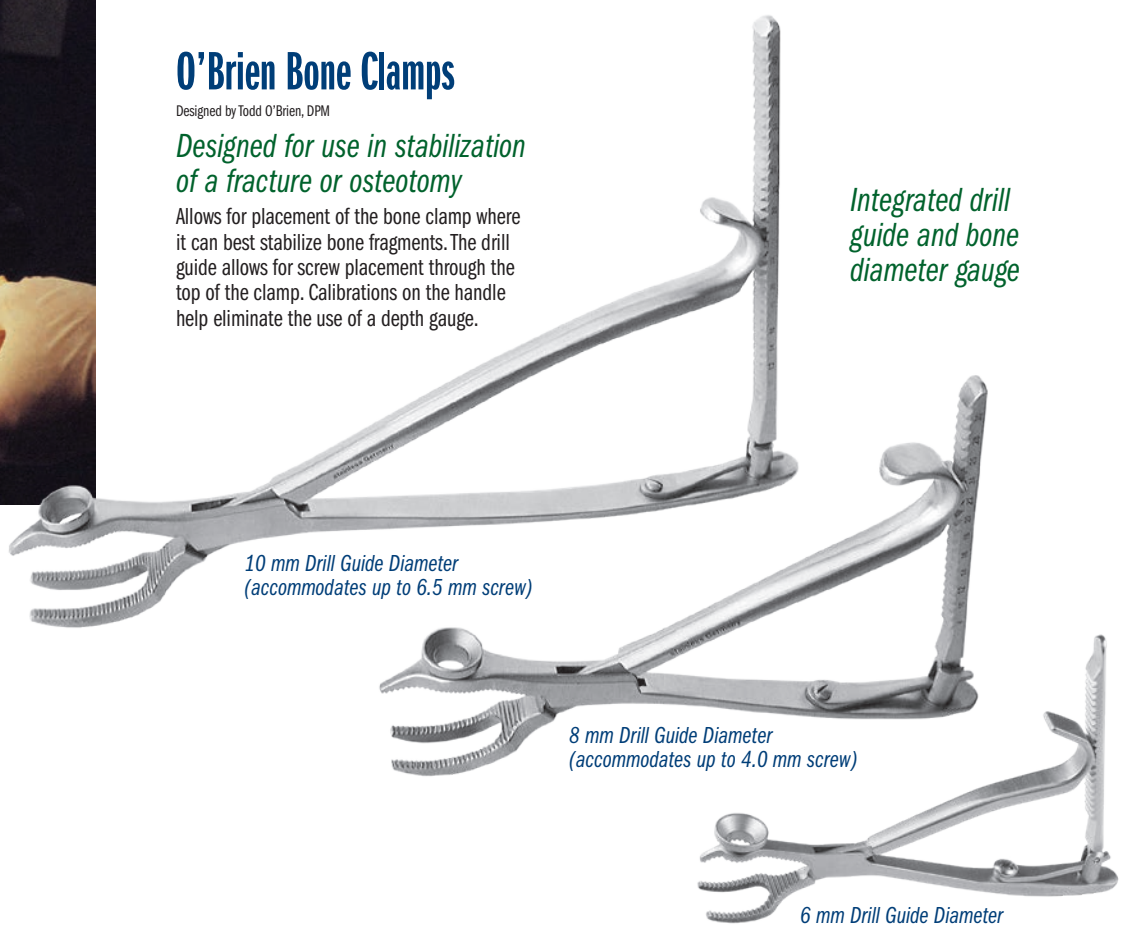
Designed by Todd O'Brien, DPM

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.

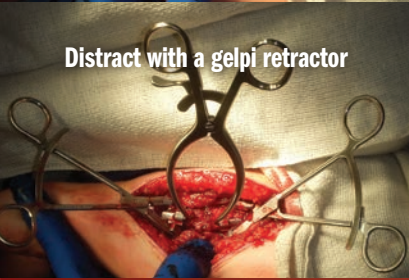
Integrated drill guide and bone diameter gauge

PRODUCT NO'S:	
1890-02 [Large]	Drill Guide Diameter: 10 mm (accommodates 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 (accommodates 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" (10,2 cm)





Compress with a towel clamp



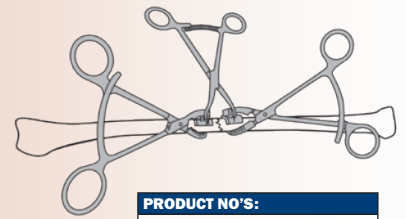
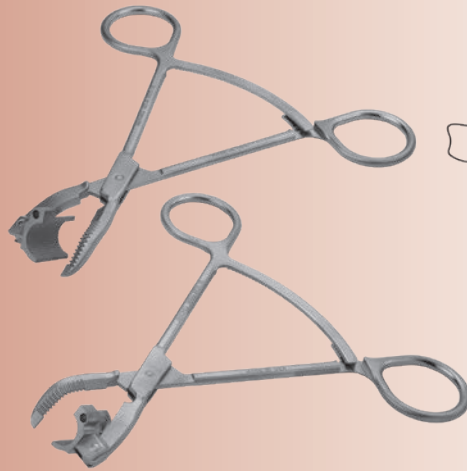
Distract with a gelpi retractor

Stanton Articulating Small Bone Clamps

Designed by John L. Stanton, MD

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 Two]
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



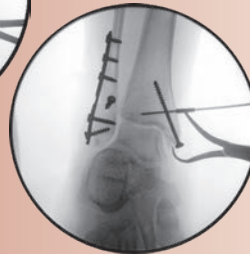
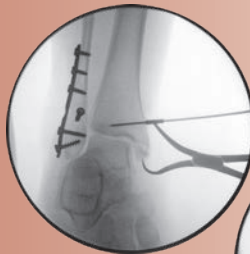
Medial Malleolar/Bone Fragment Clamps

Designed by Edward L. Sclamborg, MD

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"

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Teurlings Medial Malleolar Clamp with Wire Guide

Designed by Luc Teurlings, MD

Helps to stabilize the medial malleolar fragment during internal fixation

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PRODUCT NO:
1803
Cannula Diameter: .062" (1.6 mm)
Overall Length: 5.25" (13,3 cm)

Bargo Bone Holding Clamp

Designed by Lonnie Bargo, CST/CFA

Designed to aid in the reduction of various fractures, and can help secure a plate in place during installation

Designed to aid in the reduction of various fractures such as: spiral, transverse, compound, oblique, or butterfly. The clamp 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. Teeth in the jaws allows for a better grip and a ratchet locking handle allows use on various bone diameters.



PRODUCT NO:
1895-01
Overall Length: 5" (12,7 cm)
Pads: .75" x .45" (19 x 12 mm)





Faillace Extra Small Bone Clamp

Designed by John J. Faillace, MD

Delicate enough to use on metacarpals but strong enough for distal radius and larger bones with its extra long ratchet

PRODUCT NO:
1171
Overall Length: 5" (12,7 cm)
Jaw Length: 1" (2,5 cm)

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O'Brien Bone Clamp

Designed by Todd O'Brien, DPM

Designed for use in stabilization of a fracture or osteotomy

PRODUCT NO:
1816
Overall Length: 5.25" (13,3 cm)



OrthoLucent O'Brien Bone Clamp

Designed by Todd O'Brien, DPM

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)

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SWITZERLAND

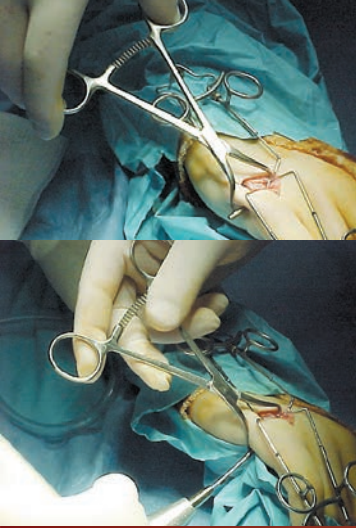
Small Bone Holding Forceps with Long Ratchet

Designed for use in stabilization of a fracture or osteotomy

PRODUCT NO:
1170
Overall Length: 5.75" (14,6 cm)

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GERMANY





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" (.9 mm)
1810-45* Tube Diameter:	.045" (1.1 mm)
1810-62 Tube Diameter:	.062" (1.6 mm)



Three Tube Sizes Available

Designed by M.R. Redler, MD

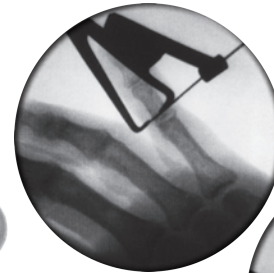
Chang Pin Clamp

Designed by Win Chang, MD

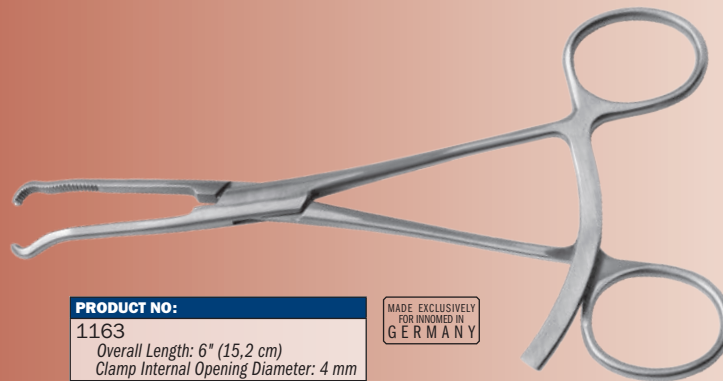
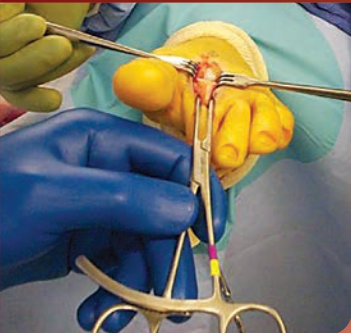
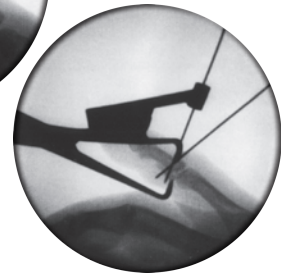
Designed to allow accurate insertion of pins for internal fixation

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



(Prototype used in X-ray images)



PRODUCT NO:	
1163	Overall Length: 6" (15,2 cm)
	Clamp Internal Opening Diameter: 4 mm



Slavitt Phalangeal Forceps

Designed by Jerome Slavitt, DPM

Designed to enable 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.

Lewin Small Bone Clamp

PRODUCT NO:	
4685	Overall Length: 5" (12,7 cm)





Coated Allis Bone Clamps

Modification of design by Charles T. Resnick MD

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



Resnick Allis Bone Clamp

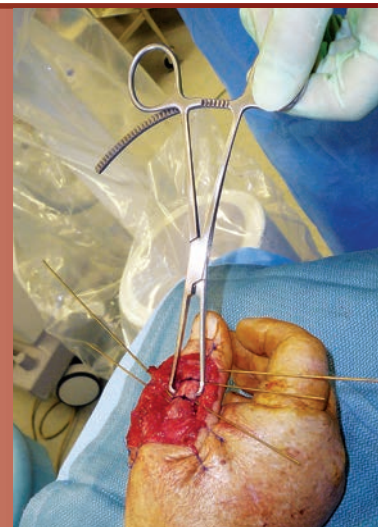
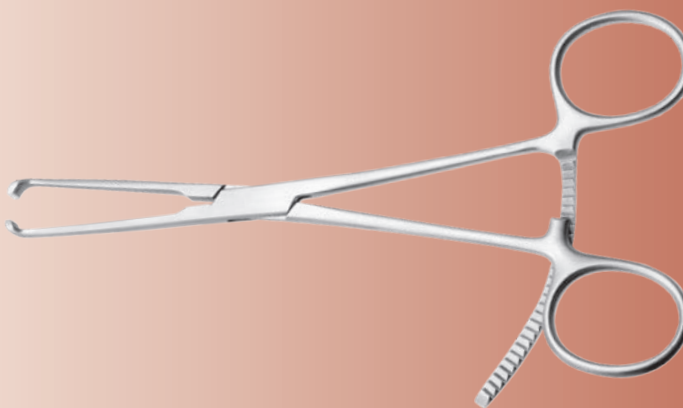
Designed by Charles T. Resnick MD

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

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Standard hooked bone awl being used to gain length to assist with reduction of a fibula fracture. A 2mm pilot hole is made to seat the tip of the bone awl.

Hooked Bone Awls

Designed by Reza Firoozabadi, MD

"Shoulder hook" 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)



Fracture Reduction Pick

Used to align bone fragments, and to pick away tissue and bone fragments

PRODUCT NO:

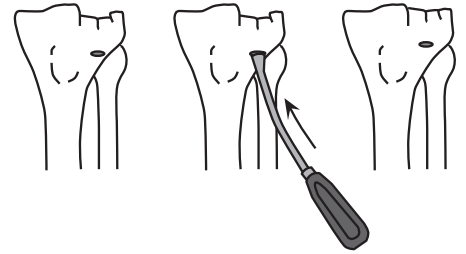
S0129
 Overall Length: 6.25" (15,9 cm)



Malleable Bone Tamps

Modified by Serge Kaska, MD

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



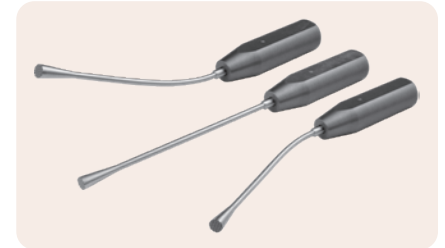
PRODUCT NO'S:
5296 [Large] Overall Length: 14" (35,6 cm) Shaft Length: 9.5" (24,1 cm) Impactor Diameter: 12,5 mm
5296-01 [Small] Overall Length: 9.5" (24,1 cm) Shaft Length: 6" (15,2 cm) Impactor Diameter: 10 mm
5296-02 [Extra Small] Overall Length: 11,4" (29 cm) Shaft Length: 5.9" (15 cm) Impactor Diameter: 6.5 mm



Large
12.5 mm

Small
10 mm

Extra Small
6.5 mm



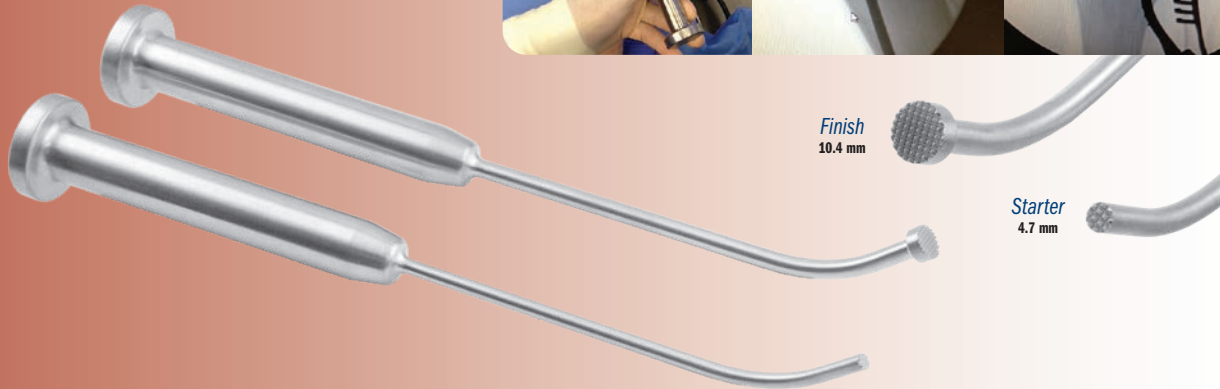
Malleable shaft can be contoured for different angles

Bacastow Tibial Plateau Elevators

Designed by David Bacastow, MD

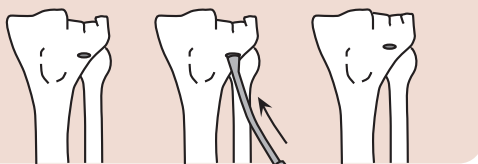
Designed to help with indirect reduction of a depressed tibial plateau fracture, and can be used with arthroscopic visualization and percutaneous fixation

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



Finish
10.4 mm

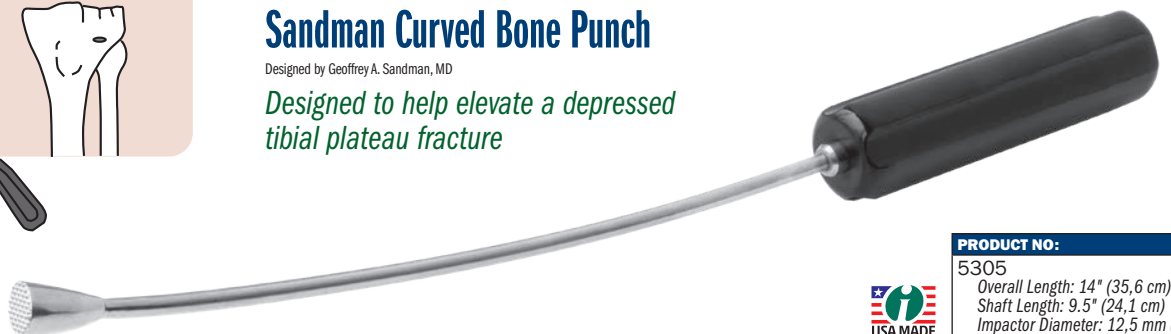
Starter
4.7 mm



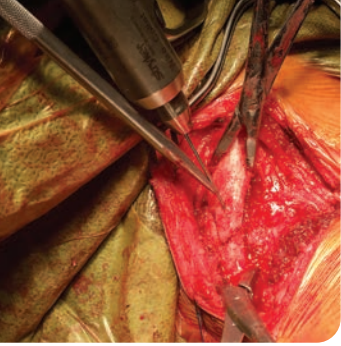
Sandman Curved Bone Punch

Designed by Geoffrey A. Sandman, MD

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")



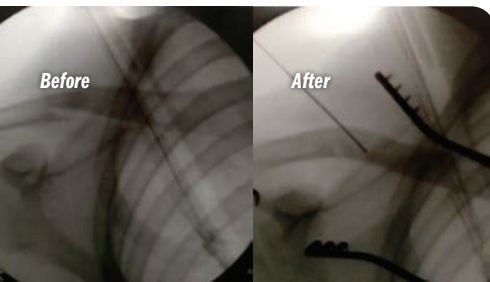
Resnick Small Bone Tamp with Oblique K-Wire Hole

Designed by Charles Resnick, MD

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



TWO SIZES AVAILABLE:
Wire Hole for K-wires up to 1.1 mm (.045") or 1.6 mm (.062")



- ▶ 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

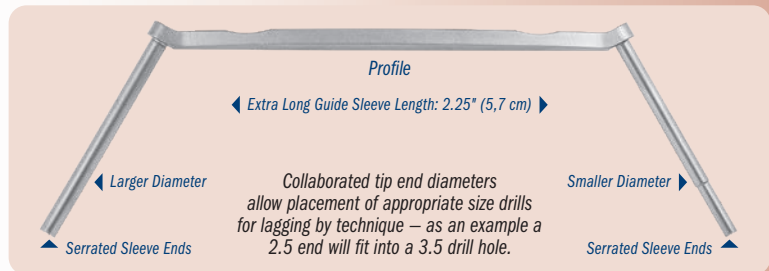
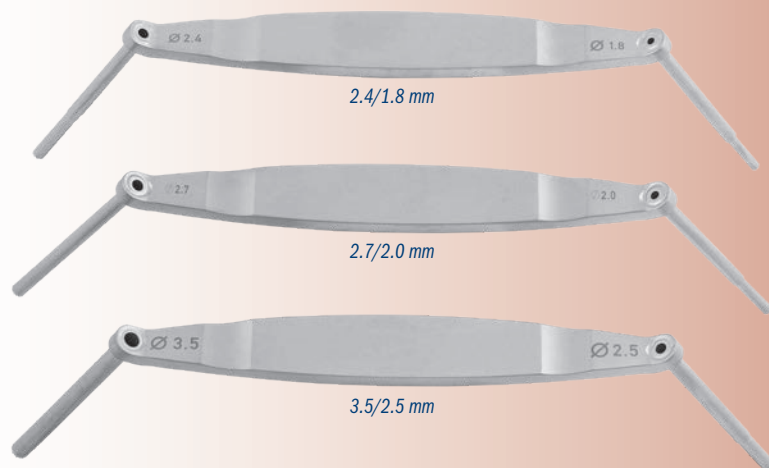
PRODUCT NO'S:

5294 [1.2 mm Hole]
Wire Hole for: 1.2 mm (.045") K-wire
Overall Length: 7.5" (19.1 cm)
Shaft Diameter: 6.3 mm
End Diameter: 2.5 mm
5294-01 [1.6 mm Hole]
Wire Hole for: 1.6 mm (.062") K-wire
Overall Length: 7.5" (19.1 cm)
Shaft Diameter: 6.3 mm
End Diameter: 2.5 mm

Extended Drill Sleeves

Designed by Reza Firoozabadi, MD

Designed to help reduce fractures when K-wires are passed through, the extra long drill sleeve helps to protect soft tissues and prevent the need for stacking two drill sleeves

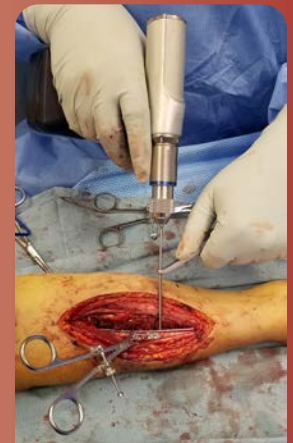


- ▶ Serrated tips allow for better grip when drilling at an angle or when pushing a fracture fragment to assist with fracture reduction
- ▶ Sleeve can be used as a reduction aid with placement of a kirschner wire through sleeve
- ▶ Collaborated tips which allow placement of appropriate size drills for lagging by technique – as an example a 2.5 end will fit into a 3.5 drill hole



PRODUCT NO'S:

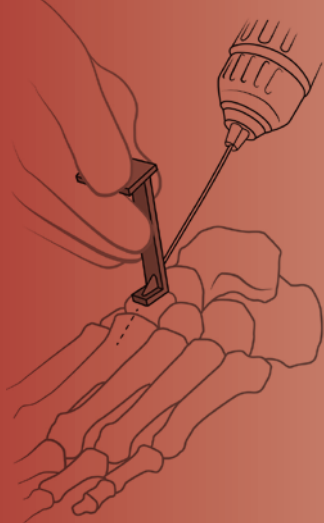
3014-00 [Set of Three]
Set Includes/ Available Separately:
3014-01 [2.4/1.8 mm]
Overall Length: 6.875" (17.6 cm)
Guide Tube Length: 2.25" (5.7 cm)
Guide Angle from Handle: 30°
3014-02 [2.7/2.0 mm]
Overall Length: 6.875" (17.6 cm)
Guide Tube Length: 2.25" (5.7 cm)
Guide Angle from Handle: 30°
3014-03 [3.5/2.5 mm]
Overall Length: 6.875" (17.6 cm)
Guide Tube Length: 2.25" (5.7 cm)
Guide Angle from Handle: 30°



Case example of using modified 3.5/2.5 mm drill sleeve for placing 3.5 mm screws in a forearm fracture case. Note how extended sleeve protects soft tissues during drilling.



Note 2.0 mm end of drill sleeve placed into a predrilled 2.7 mm hole, utilized as a lag by technique 2.7 mm screw.



Zell Fixed Angle Wire Guide

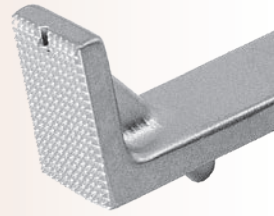
Designed by Richard Zell, MD

Designed to help with placement of guide wires for cannulated screws and k-wires in foot and ankle surgeries, such as bunion surgery, midfoot fusion, and midfoot ORIF

PRODUCT NO:

3021

Overall Length: 2.75" (7 cm)
 Handle Platform: 1" x .875" (25 x 22 mm)
 Guide Tube Angle: 35°
 Guide Tube for wires up to: .052"/1.3 mm



Medial Malleolus Fracture Reduction Aid

Designed by Christopher Blair, DO

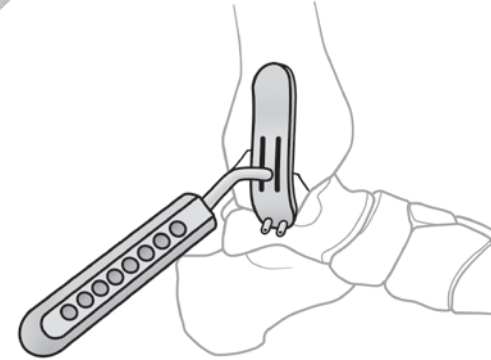
Designed to hook under the medial malleolus to help reduce the medial malleolus fragment while two K-wire guides supply trajectory for wires

For K-wires up to 1,6 mm (.062")

PRODUCT NO:

3664

Overall Length: 7" (17,8 cm)
 Handle Length: 4" (10,2 cm)
 Plate Width: .8" (2 cm)
 Plate Length: 3" (7,6 cm)
 Guide Tube Length: 6 mm



Mogul K-Wire/Pin Insertion Guide

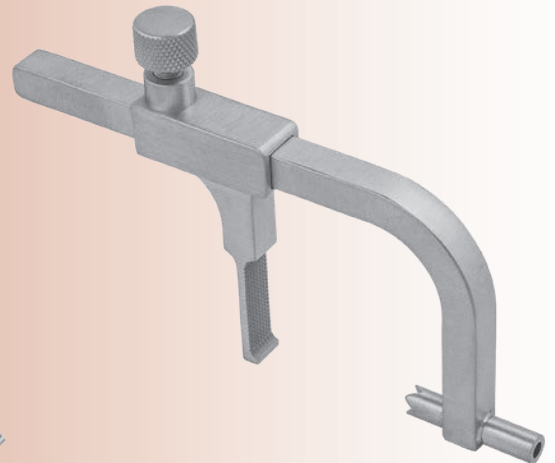
Designed by Stuart J. Mogul, DPM, FACFAS

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)



Argintar Claw Drill Guide Wire/Suture Passer

Designed by Evan Argintar MD

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]
 Overall Dimensions: 2.5" x 4"-6"
 (6,4 cm x 10,2 cm-15,2 cm)

1227 [3/32" (2 mm) Pin with Wire/Suture Hole]
 Overall Length: 6" (15,2 cm)





Chandran Double Ball Spike

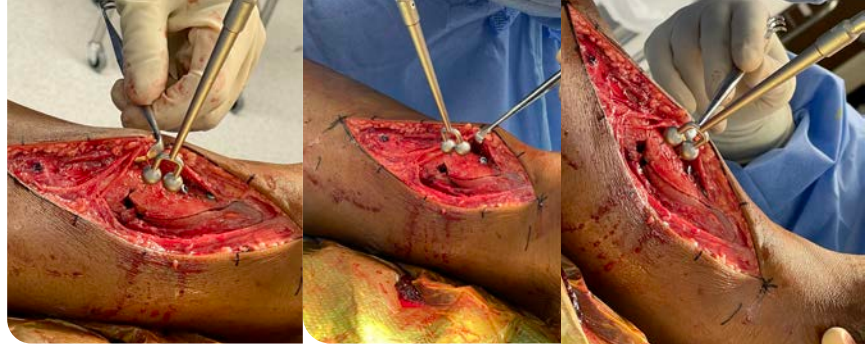
Designed by Rama E. Chandran, MD

Designed to help rotate and control a butterfly bone fragment for fixation

PRODUCT NO:

8027

Overall Length: 12.5" (31.8 cm)
Handle Length: 4.625" (11.7 cm)



Ball Spike with Bell Handle

Designed with a long shaft for use in deep wounds

PRODUCT NO:

8032

Overall Length: 12" (30.5 cm)



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: 7" (17.8 cm)
Handle Length: 3.3" (8.4 cm)
Cannula fits wire up to: .062" (1.6 mm)



Cannulated

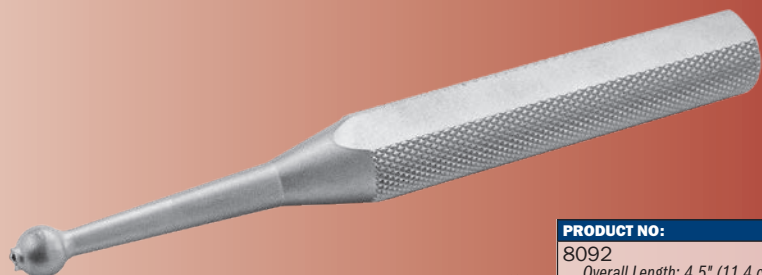


Small Cannulated Ball Spike

Designed by Benjamin C. Taylor, MD

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)
Handle Length: 3" (7.6 cm)
Ball Diameter: .275" (7 mm)





Helpful when removing a pin which has been cut flush to the bone which can be hard to grasp with standard tools.

PRODUCT NO'S:	
2113-00	[Set of 3 Sizes]
Set Includes / Available Individually:	
2113-01	[2 mm] For 1.5 - 2.0 mm flexible nails Overall Length: 5.5" (14 cm)
2113-02	[3 mm] For 2.5 - 3.0 mm flexible nails Overall Length: 5.5" (14 cm)
2113-03	[4 mm] For 3.5 - 4.0 mm flexible nails Overall Length: 5.5" (14 cm)



Roberts Pin Bending Cannula Set

Designed by David Roberts, MD

Designed to help bend the end of a flexible intramedullary pin, which has been cut flush to the bone, for better grasping during pin removal

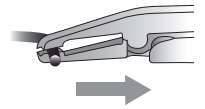
After exposing the pin end, the cannula helps bend the pin for better access for the removal instrument while maintaining a small incision.



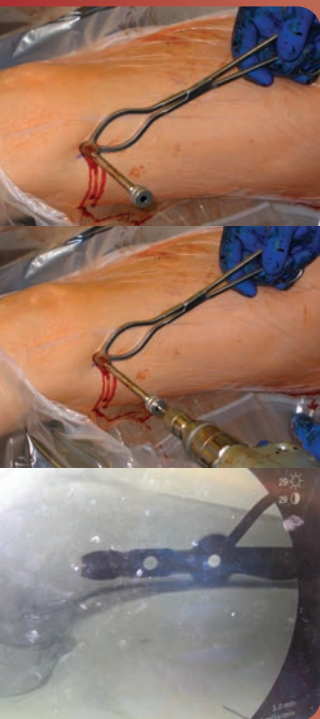
New!

Features

- ▶ Beveled edge that allows easy capture of end of pin
- ▶ Cannula can be used as a trephine for pins with bony overgrowth
- ▶ Reusable - thick walls withstand repeated uses



Technique	Distal Radius - 1.5 cm Incision	Proximal Ulna - 1.5 cm Incision
Advance cannula over the exposed pin. The beveled end makes this easier and can be used as a trephine in when bony overgrowth is present.		
Slowly use the tool to bend the end of the pin away from bone, which helps with pin removal.		
The bent end can be removed with standard pliers.		



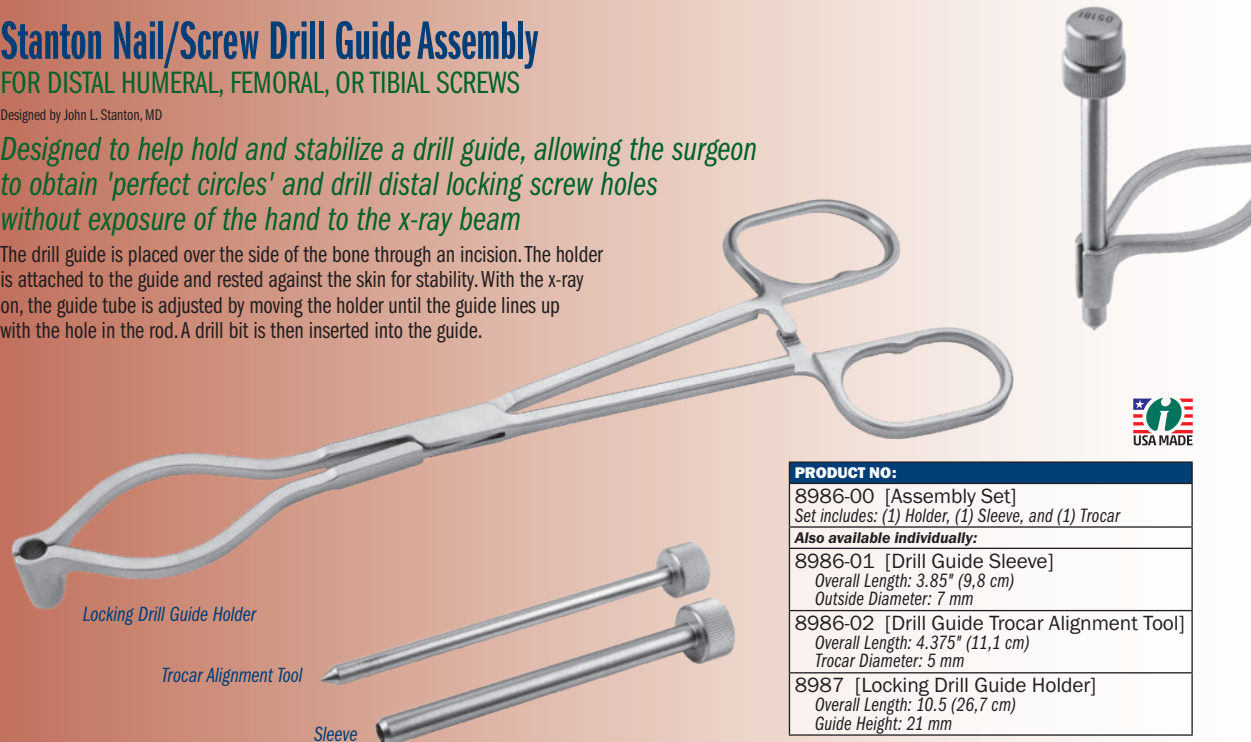
Stanton Nail/Screw Drill Guide Assembly

FOR DISTAL HUMERAL, FEMORAL, OR TIBIAL SCREWS

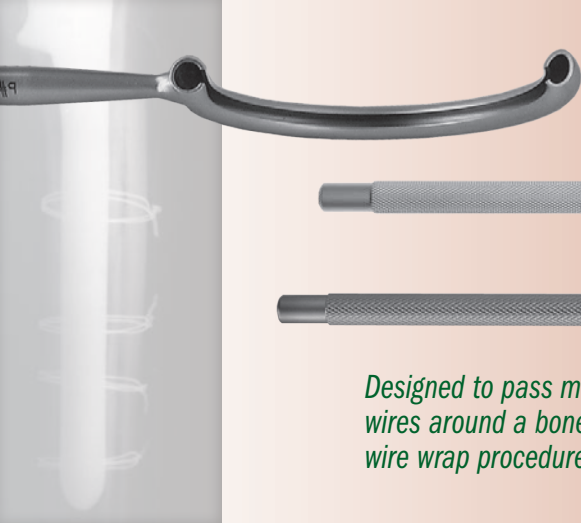
Designed by John L. Stanton, MD

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 is placed over the side of the bone through an incision. The holder is attached to the guide and rested against the skin for stability. With the x-ray on, the guide tube is adjusted by moving the holder until the guide lines up with the hole in the rod. A drill bit is then inserted into the guide.



PRODUCT NO:	
8986-00	[Assembly Set] Set includes: (1) Holder, (1) Sleeve, and (1) Trocar
Also available individually:	
8986-01	[Drill Guide Sleeve] Overall Length: 3.85" (9,8 cm) Outside Diameter: 7 mm
8986-02	[Drill Guide 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

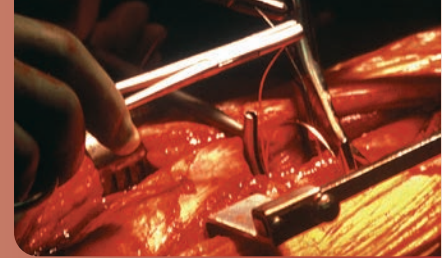


Incavo Wire Passer

Designed by Stephen J. Incavo, MD



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")
For Bone Diameter Up To: 1.2" (3 cm)

8610-02 [Large]
Overall Length: 8.675" (21,9 cm)
Accepts Wire Up To: 4 mm (5/32")
For Bone Diameter Up To: 2.4" (6 cm)



DMP Wire Tightener

Designed by DMP

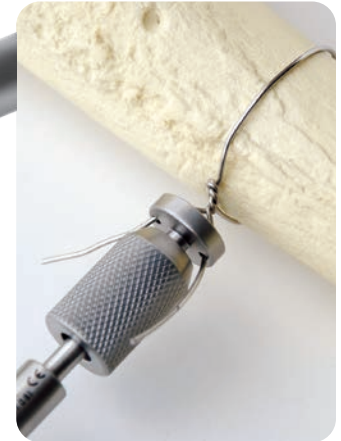
Used to hand tighten a cerclage wire around a bone

PRODUCT NO:

8729
Overall Length: 4.5" (11,4 cm)
Handle Width: 2.625" (6,7 cm)
End Diameter: 15 mm

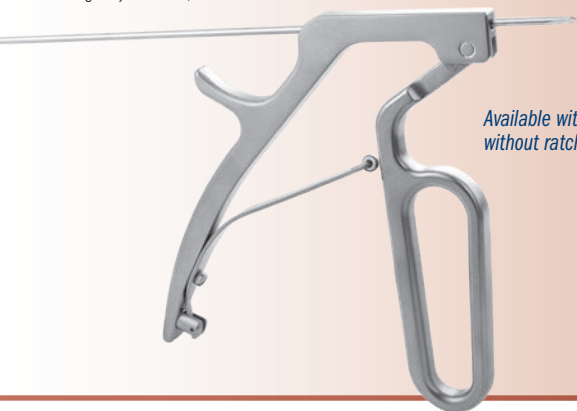


Four wire holes – two for up to 20 gauge wires, and two for up to 18 gauge wires.

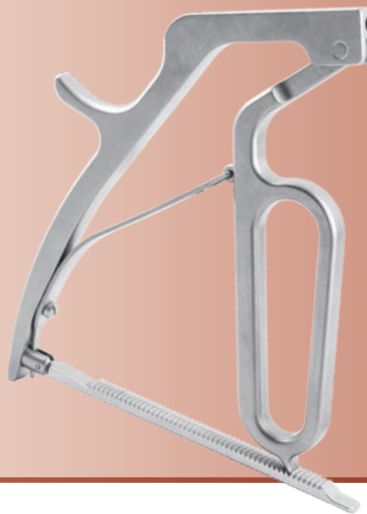


Beard IM Nail Guide Wire Clamp

Designed by David Beard, MD



Available with or without ratchet



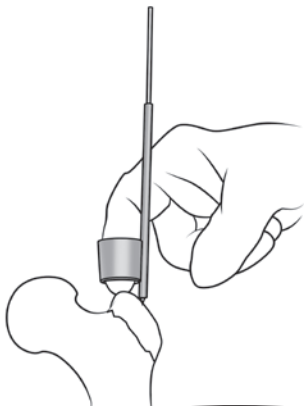
Designed to help provide quick grasp-and-release of an IM guide wire for positioning and advancement along the length of the guide wire

- ▶ Anatomic pistol grip for comfortable use
- ▶ Facilitates fracture reduction in appropriate cases
- ▶ Universal to all fixation systems using IM guide wires and IM fixation
- ▶ For use with pins up to 4 mm

PRODUCT NO'S:

3019 [Beard Clamp with Ratchet]
Dimensions: 5.5" w x 6" h (14 cm x 15,2 cm)

3019-01 [Beard Clamp without Ratchet]
Dimensions: 5.5" w x 6" h (14 cm x 15,2 cm)



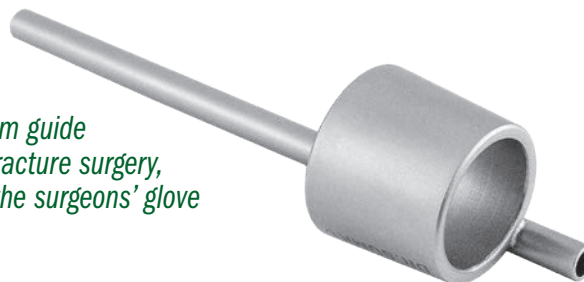
Sumko Surgical Finger Guide

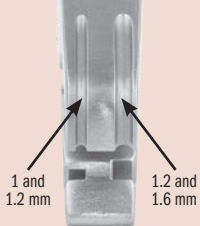
Designed by Michael H. Sumko, MD

Used to help insert a 3.2 mm guide wire, especially during hip fracture surgery, to help prevent puncturing the surgeons' glove

PRODUCT NO:

8991
Overall Length: 4" (10,2 cm)





1 and 1.2 mm 1.2 and 1.6 mm

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.

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.



Can bend and cut K-Wires measuring 1 to 1.6 mm (.039-.062") in diameter

PRODUCT NO:
2111
Overall Length: 6.5" (16,5 cm)

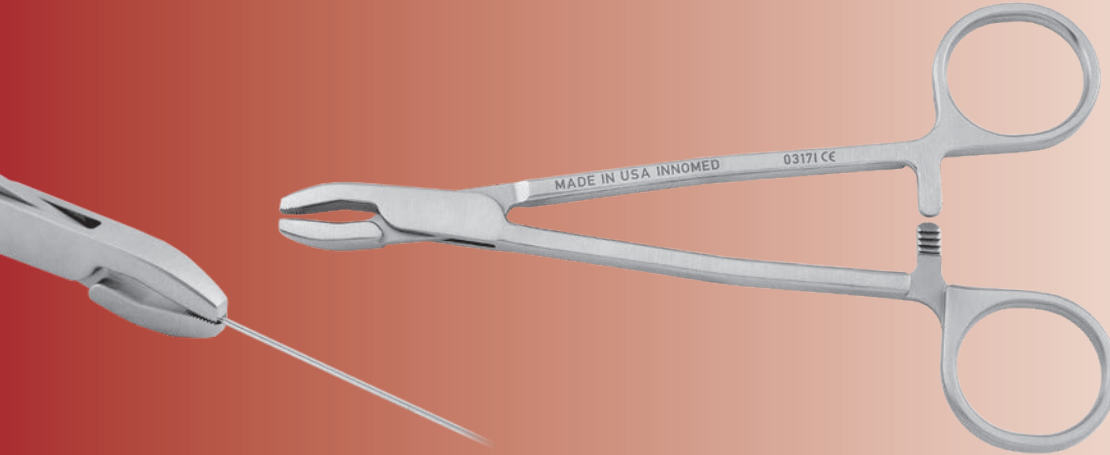


Bending

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.



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

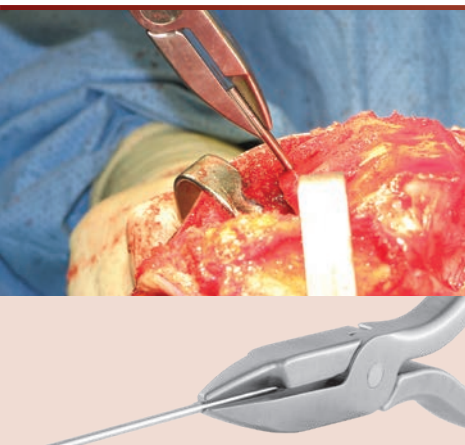
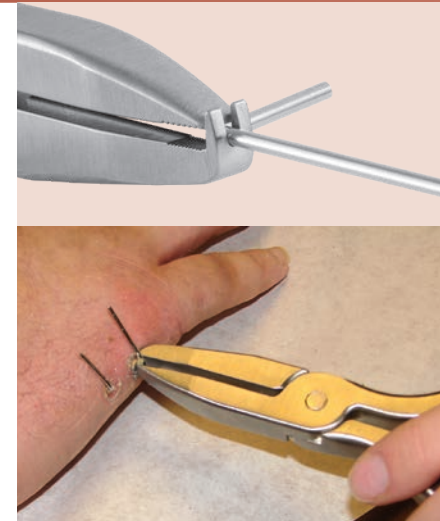


Stanton Bent Pin Removal Pliers

Designed by John Stanton, MD, FACS

For pins up to .062" (1,6 mm).

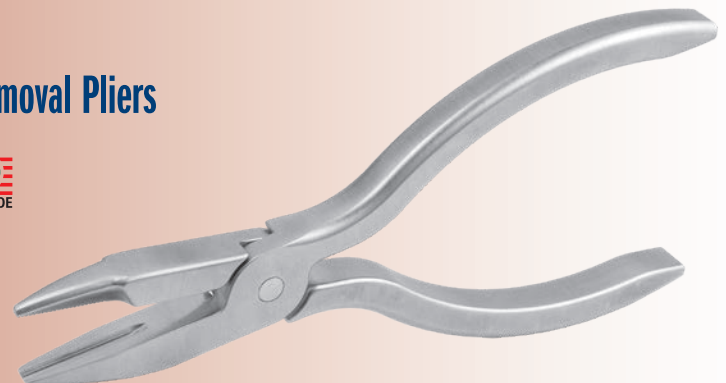
PRODUCT NO:
1894
Overall Length: 6.5" (16,5 cm)
Jaw Length: 1.65" (4,2 cm)
Instrument Width: 1 cm

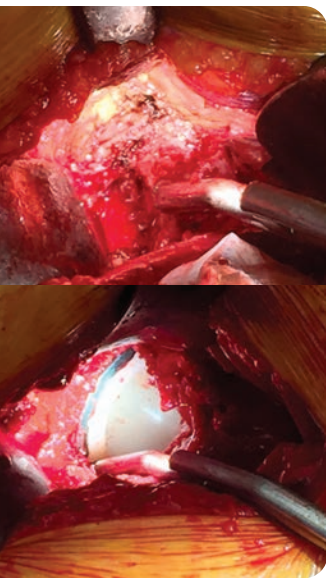


Stanton Straight Pin Removal Pliers

Designed by John Stanton, MD

PRODUCT NO:
1893
Overall Length: 6.375" (16,2 cm)
Jaw Length: 1.62 (4,1 cm)
Instrument Width: 1 cm





Lighted Yankaur Suction Device

Designed by Adolph V. Lombardi Jr., MD

Designed to help provide effective suction with the addition of a light source for enhanced visualization

- ▶ Can be attached to a fiber optic light cable with ACMI (female) connector
- ▶ Entire device is steam sterilizable
- ▶ The handle is made of Delrin



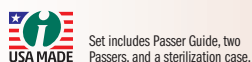
PRODUCT NO:	
8016-L	
Overall Length:	11.75" (29,8 cm)
Handle Length:	3.93" (10 cm)
Handle Width:	.86" (2,2 cm)
Suction Tube Diameter:	.25" (6,35 mm)



Whelan Double-Ended Suture Wire Passer

Designed by E. J. Whelan, III, MD

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

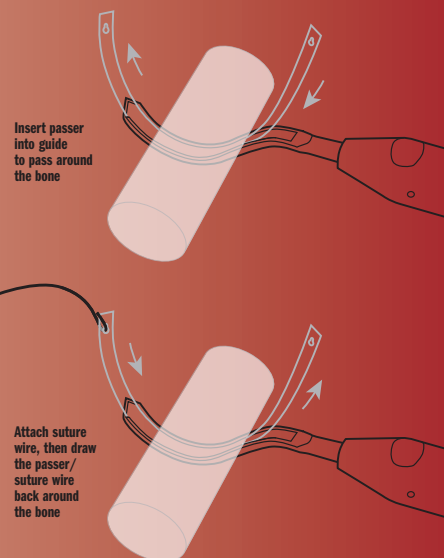


Set includes Passer Guide, two Passers, and a sterilization case.

PRODUCT NO'S:	
8300-00 [Set]	
Also available individually:	
8300-01 [Passer Guide]	
Overall Length:	8.125" (20,6 cm)
Outside Width:	9 mm
Inside Groove Width:	6.5 mm
8300-02 [Passer]	
Two included with set, one with this product number	
Overall Length:	7.5" (19,1 cm)
Width:	4.6 mm
1025 [Sterilization Case]	



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.

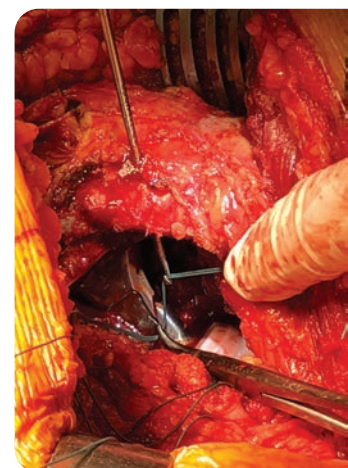


Straight Suture Passer

Designed by Brian T. Maurer, MD

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



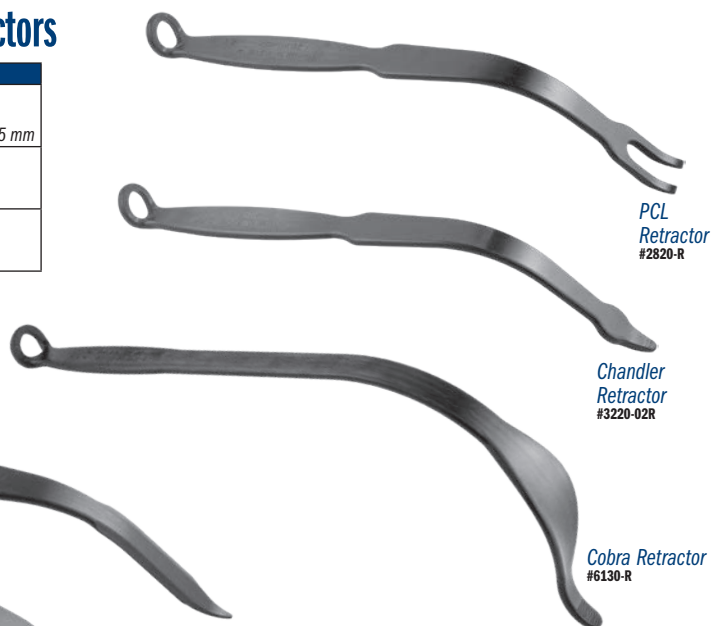
**Gain Radiolucence
Without Compromising
Strength or Function**

- ▶ Ideal for total joint use with x-ray
- ▶ Steam sterilizable
- ▶ Completely radiolucent
- ▶ Flat black non-gloss finish
- ▶ No metal transfer with component contact
- ▶ Slightly higher cost than stainless steel

OrthoLucent™ Retractors

PRODUCT NO'S:
2820-R [PCL] Overall Length: 9.875" (25,1 cm) Prong Width: 5 mm 10 mm Gap 5 mm
3220-02R [Chandler] Overall Length: 9.875" (25,1 cm) Blade Width: 19 mm
6130-R [Cobra] Overall Length: 12" (30,5 cm) Blade Width at Widest: 33 mm

MADE EXCLUSIVELY
FOR INNOVEM IN
SWITZERLAND



PCL
Retractor
#2820-R

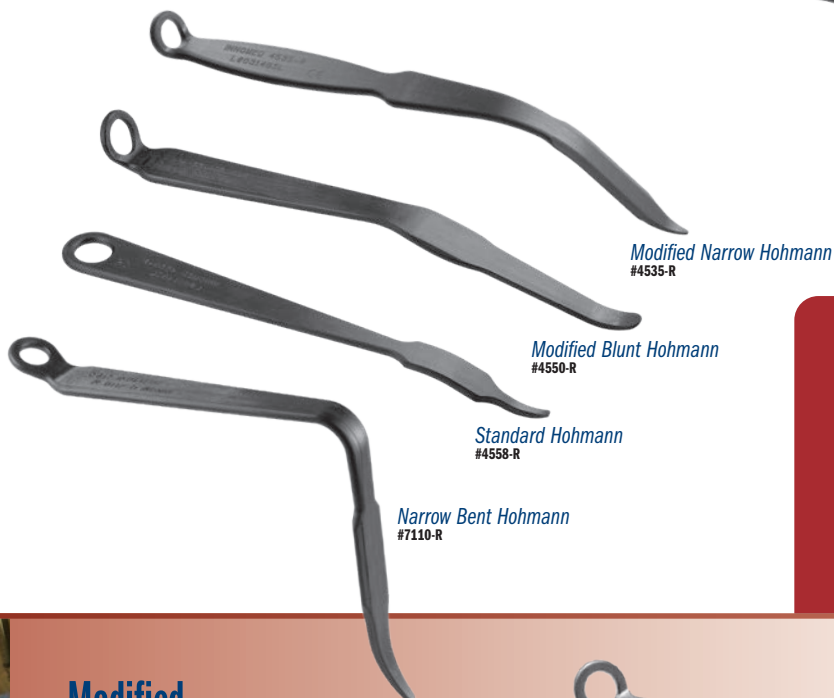
Chandler
Retractor
#3220-02R

Cobra Retractor
#6130-R

OrthoLucent™ Hohmann Retractors

PRODUCT NO'S:
4535-R [Modified Narrow] Blade Width: 18 mm Overall Length: 10"
4550-R [Modified Blunt] Blade Width at Widest: 24.5 mm Overall Length: 10.75"
4558-R [Standard] Blade Width: 16 mm Overall Length: 9.625" (24,4 cm)
7110-R [Narrow Bent] 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)

MADE EXCLUSIVELY
FOR INNOVEM IN
SWITZERLAND



Modified Narrow Hohmann
#4535-R

Modified Blunt Hohmann
#4558-R

Standard Hohmann
#4558-R

Narrow Bent Hohmann
#7110-R

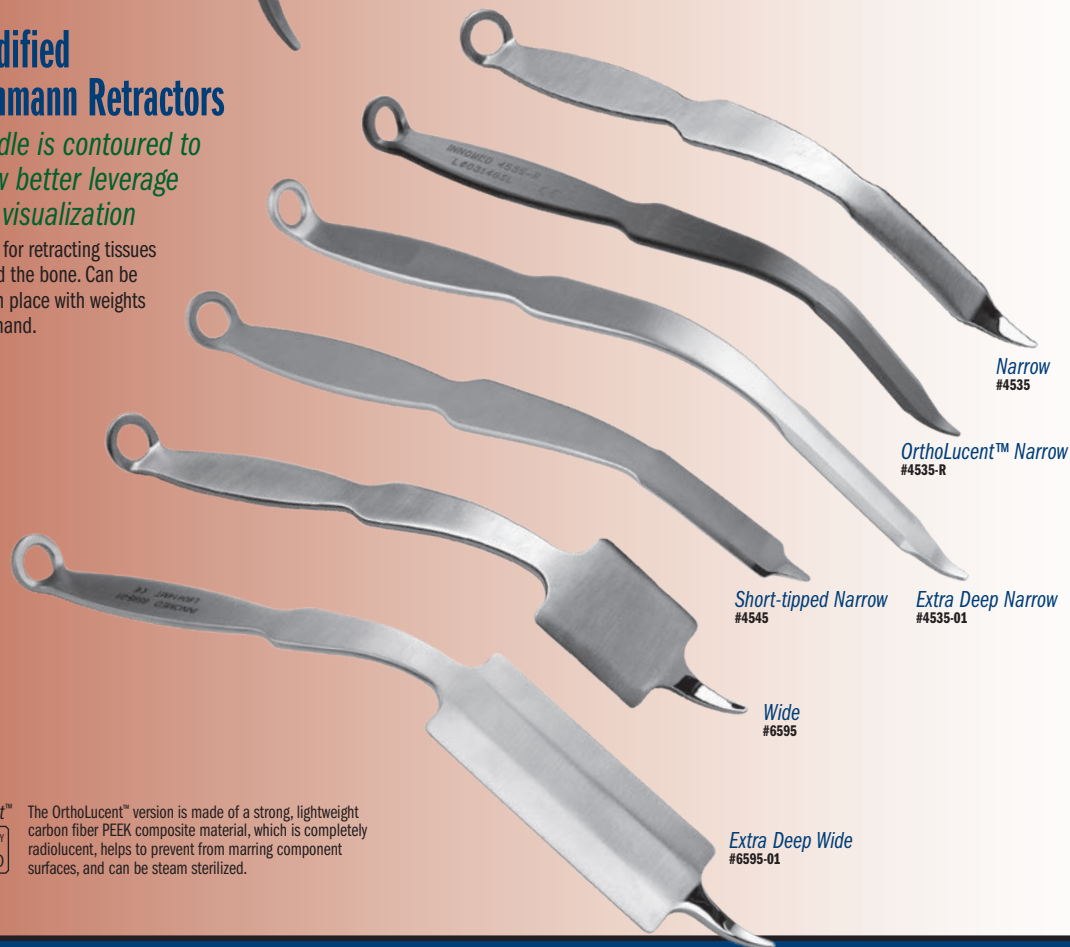
**Carbon fiber PEEK
composite material is strong,
lightweight, completely
radiolucent and can be
steam sterilized, and helps
to prevent from marring
component surfaces**



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.



Narrow
#4535

OrthoLucent™ Narrow
#4535-R

Short-tipped Narrow
#4545

Extra Deep Narrow
#4535-01

Wide
#6595

Extra Deep Wide
#6595-01

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



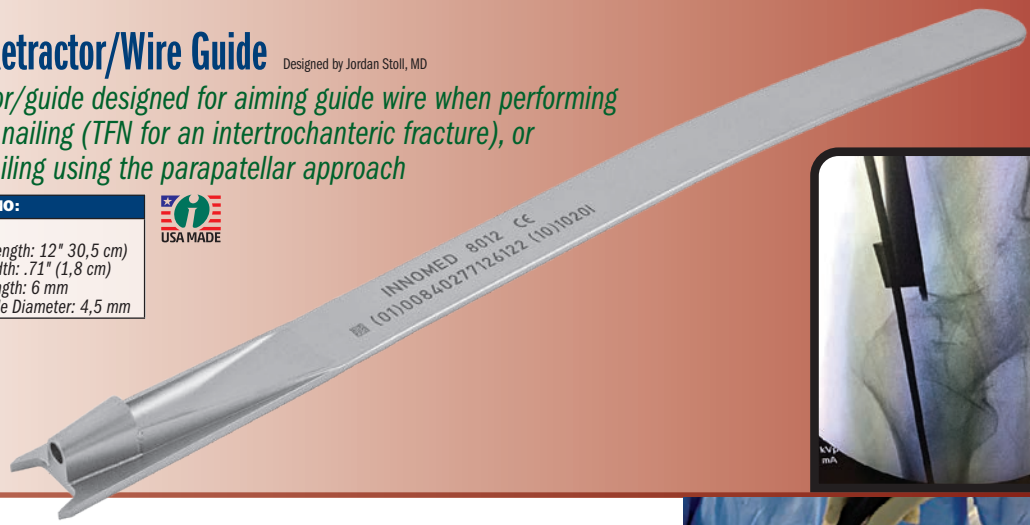
*OrthoLucent™
MADE EXCLUSIVELY
FOR INNOVEM IN
SWITZERLAND

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.

Stoll Retractor/Wire Guide Designed by Jordan Stoll, MD

Retractor/guide designed for aiming guide wire when performing femoral nailing (TFN for an intertrochanteric fracture), or tibial nailing using the parapatellar approach

PRODUCT NO:
8012
Overall Length: 12" 30,5 cm
Blade Width: .71" (1,8 cm)
Prong Length: 6 mm
Guide Hole Diameter: 4,5 mm



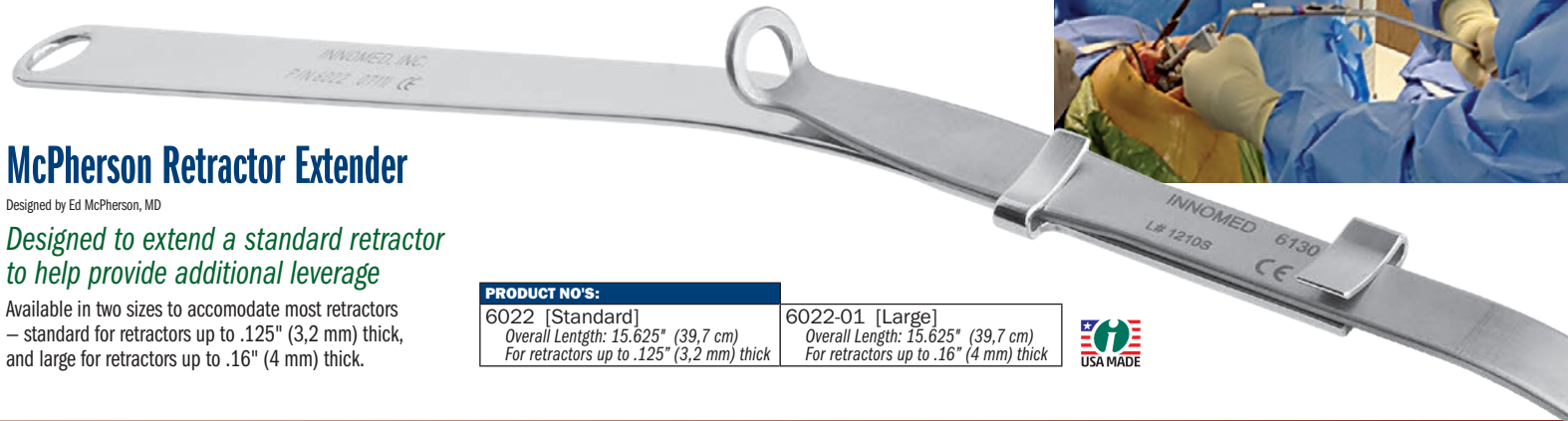
McPherson Retractor Extender

Designed by Ed McPherson, MD

Designed to extend a standard retractor to help provide additional leverage

Available in two sizes to accommodate most retractors – standard for retractors up to .125" (3,2 mm) thick, and large for retractors up to .16" (4 mm) thick.

PRODUCT NO'S:
6022 [Standard] Overall Length: 15.625" (39,7 cm) For retractors up to .125" (3,2 mm) thick
6022-01 [Large] Overall Length: 15.625" (39,7 cm) For retractors up to .16" (4 mm) thick



Stainless Steel Hip Surgery Ratchet Frame with Arms and Blades Sets

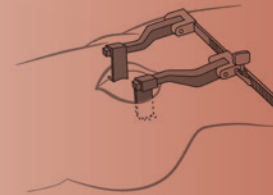
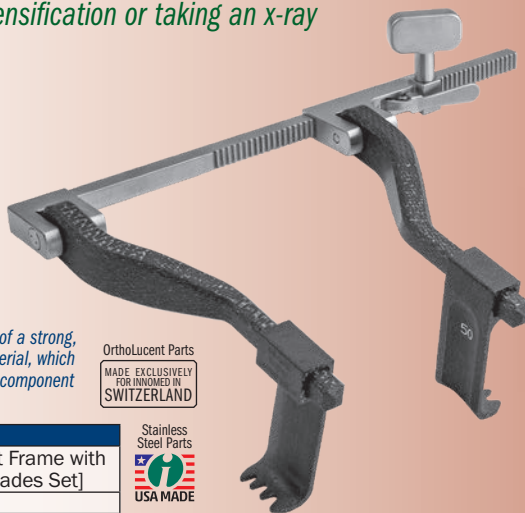
Designed for self-retaining wound exposure, the arms and blades of the OrthoLucent™ version are radiolucent and can be kept in place while using image intensification or taking an x-ray

- ▶ Arms rotate 180°
- ▶ Mobile Arm unit can be detached from ratchet body for cleaning

Set with OrthoLucent™ Arms and Blades

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

OrthoLucent Parts
MADE EXCLUSIVELY FOR INNOMED IN SWITZERLAND

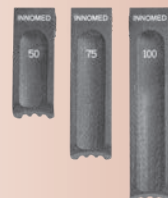


Set with Stainless Steel Arms and Blades



PRODUCT NO'S:
7429-00 [Stainless Steel Ratchet Frame with Stainless Steel Arms & Blades Set]
Set Includes / Available Individually:
7429-01 [Stainless Steel Ratchet Frame with Stainless Steel Arms Assembly]
Dimensions (Flat): 10" x 6" (25,4 cm x 15,3 cm)
Arms Extend: 4.875" (12,4 cm)
7429-02 [50 mm Stainless Steel Blade]
Dimensions: 50 mm Deep X 25 mm Wide
7429-03 [75 mm Stainless Steel Blade]
Dimensions: 75 mm Deep X 25 mm Wide
Optional Blade - Not Included In Set:
7429-04 [100 mm Stainless Steel Blade]
Dimensions: 100 mm Deep X 25 mm Wide

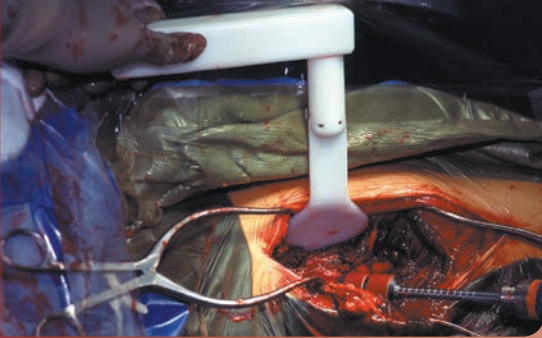
PRODUCT NO'S:
7428-00 [Stainless Steel Ratchet Frame with OrthoLucent Arms & Blades Set]
Set Includes / Available Individually:
7428-01 [Stainless Steel Ratchet Frame with OrthoLucent Arms Assembly]
Dimensions (Flat): 10" x 5.625" (25,4 cm x 14,3 cm)
Arms Extend: 4.25" (10,8 cm)
7427-02 [50 mm OrthoLucent Blade]
Dimensions: 50 mm Deep X 25 mm Wide
7427-03 [75 mm OrthoLucent Blade]
Dimensions: 75 mm Deep X 25 mm Wide
Optional Blade - Not Included In Set:
7427-04 [100 mm OrthoLucent Blade]
Dimensions: 100 mm Deep X 25 mm Wide



(1) 50 mm & (1) 75 mm blade included in each set.

Optional 100 mm blade available separately.





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.



Handle can be rotated to right or left

Dozier Radiolucent Bennett Hip Fracture Retractor

Designed by John K. Dozier, MD

Can be kept in place while using image intensification or taking an x-ray

PRODUCT NO.:

6870
 Handle Length: 6.75" (17.1 cm)
 Blade Length: 8.5" (21.6 cm)
 Blade Width at Widest: 67 mm



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.

Carbon fiber PEI composite material is strong, lightweight, completely radiolucent, can be steam sterilized, and helps to prevent from marring component surfaces.

Designed by Sean B. Kaminsky, MD

PRODUCT NO'S:

1670-O1R [Small]
 Blade Width: 4.5 cm
 Overall Length: 10.5" (26.7 cm)

1670-O2R [Large]
 Blade Width: 5.4 cm
 Overall Length: 10.5" (26.7 cm)



Levy Wide Deltoid Retractor

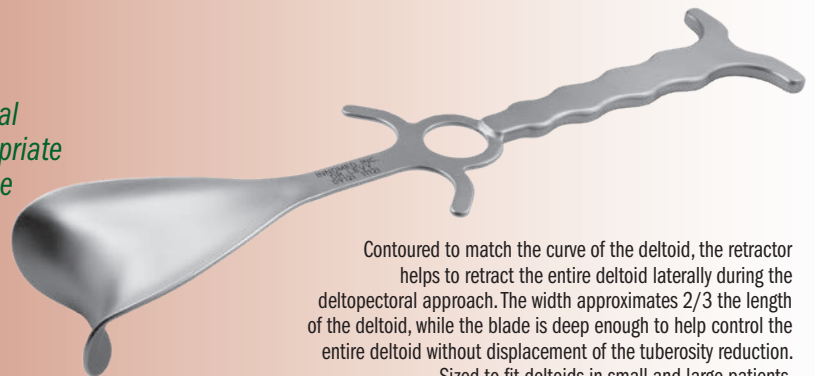
Designed by Jonathan Levy, MD

Designed for management of proximal humerus fractures—facilitates appropriate deltoid retraction without interference during active fluoroscopy

Patent Pending

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)



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.

Taylor Retractors

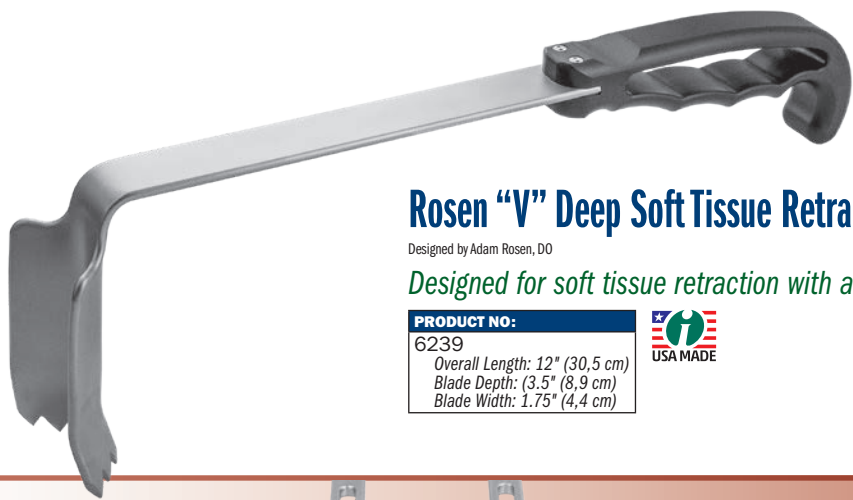
PRODUCT NO'S:

6330-01 [Standard]
 Overall Length: 8" (20.3 cm)
 Depth from Bend: 4" (10.2 cm)
 Blade Width: 32 mm

6330-02 [Large]
 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)





Rosen "V" Deep Soft Tissue Retractor

Designed by Adam Rosen, DO

Designed for soft tissue retraction with an ergonomic handle

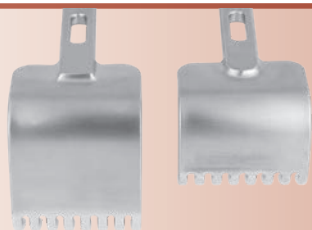
PRODUCT NO:
6239
Overall Length: 12" (30.5 cm)
Blade Depth: (3.5" (8.9 cm)
Blade Width: 1.75" (4.4 cm)



Wide Rake Retractors with Ergonomic Handle

Designed for general use soft tissue retraction, the ergonomic handle allows for a better grip and less fatigue

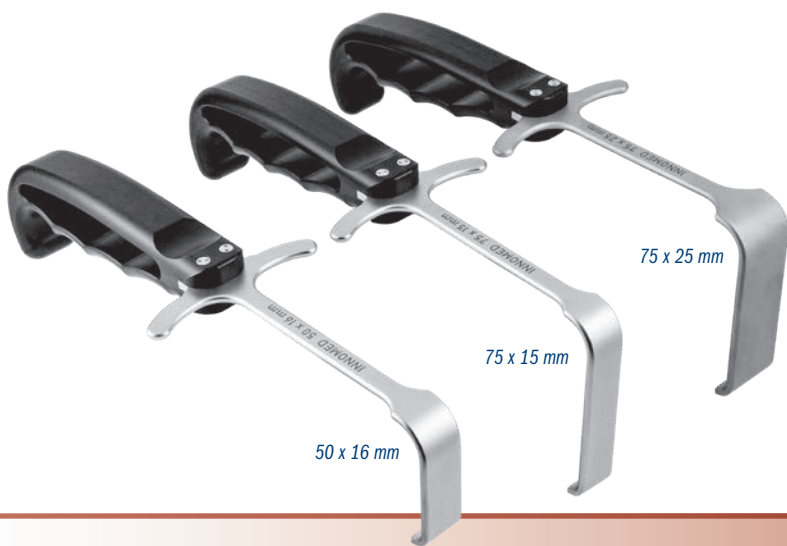
Non-glare finish featured on the metal retractor parts.



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)	6053 [Shallow, Sharp] Overall Length: 11.175 (28.3 cm) Blade Width: 2.375" (6 cm) Blade Depth: 1.875" (4.8 cm)
6052 [Deep, Blunt] Overall Length: 11.175 (28.3 cm) Blade Width: 2.375" (6 cm) Blade Depth: 2.75" (7 cm)	6054 [Shallow, Blunt] Overall Length: 11.175 (28.3 cm) Blade Width: 2.375" (6 cm) Blade Depth: 1.875" (4.8 cm)

Sharp and dull teeth available in two depths

Deep, Blunt
Shallow, Sharp



Meyerding Type Retractors with Ergonomic Handle

Designed for general use soft tissue retraction, the ergonomic handle allows for a better grip and less fatigue

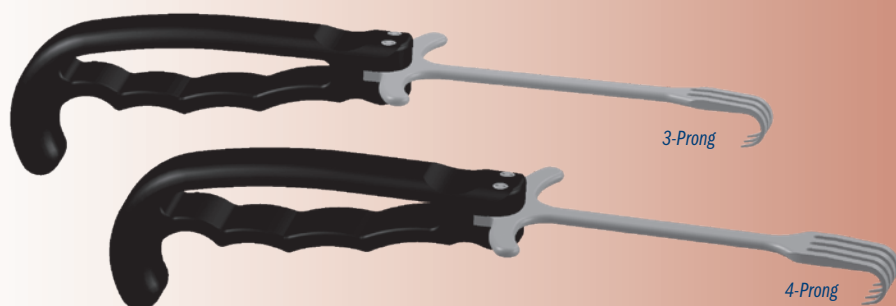
Non-glare finish featured on the metal retractor parts.

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



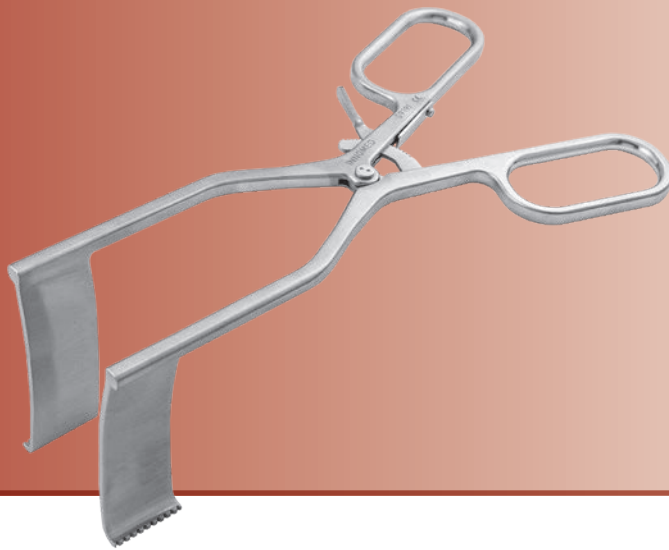
Rake Retractors with Ergonomic Handle

Designed for general use soft tissue retraction



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





Deep Meyerding Retractor with Ergonomic Handle

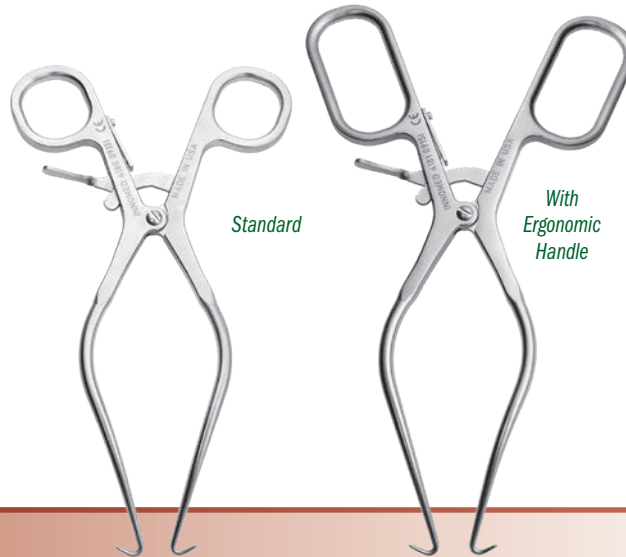
A self-retaining soft tissue retractor for use in hip, knee, and shoulder surgery

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 INVIMED IN
GERMANY

Gelpi Retractors

PRODUCT NO'S:
4180 [Standard]
Overall Length: 7.75" (19.7 cm)
4181 [With Ergonomic Handle]
Overall Length: 8.75" (22.2 cm)



New!



Mantis Screwdriver Distractor

Designed by J. Albert Diaz, MD

*Designed to help provide stable distraction across difficult-to-reduce fractures using two seated screwdrivers**

- ▶ Accommodates screwdrivers of varying size for use with both small and large fragment systems
- ▶ Allows for distraction of difficult-to-reduce fractures without the need to drill additional holes outside of the plate
- ▶ The plate can be locked with a screw once length has been restored.

PRODUCT NO:
3654
Overall Length: 7.5" (19.1 cm)
Pin Hole Diameters: 4.5, 5.5, & 8.5 mm
Leg & Pin Hole Depth: .7" (17.5 mm)

*Screwdrivers not included.

MADE EXCLUSIVELY
FOR INVIMED IN
GERMANY

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	CLOSED ARMS
4210-LB [Large] Holes Diameters: For .062" & .094" (1,6 & 2,4 mm) K-wire Pins Overall Length: 8" (20,3 cm)	4210-LS [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)	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)



LARGE
Outspread and
Closed Arms



SMALL
Outspread and
Closed Arms



EXTRA SMALL
Closed Arms only

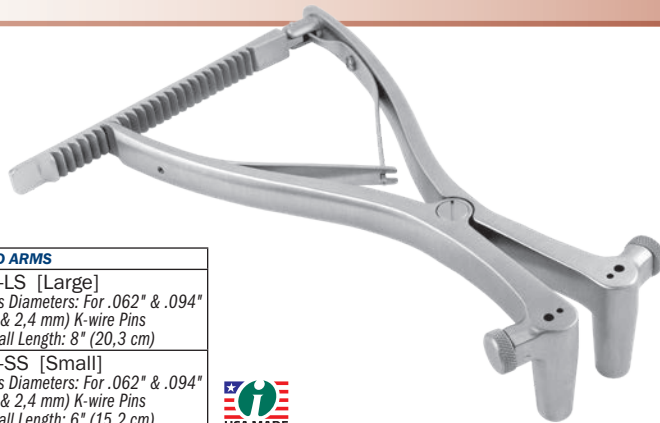
Joint, Calcaneal and Small Bone Distractors with Thumbscrews

Thumbscrew Modification Designed by Kelly McCormick, MD

Thumbscrews help prevent the unit from sliding on the pins

WITH THUMBSCREWS
Large and Small,
Outspread and Closed Arms

PRODUCT NO'S:	
OUTSPREAD ARMS	CLOSED ARMS
4215-LB [Large] Holes Diameters: For .062" & .094" (1,6 & 2,4 mm) K-wire Pins Overall Length: 8" (20,3 cm)	4215-LS [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)	4215-SS [Small] Holes Diameters: For .062" & .094" (1,6 & 2,4 mm) K-wire Pins Overall Length: 6" (15,2 cm)

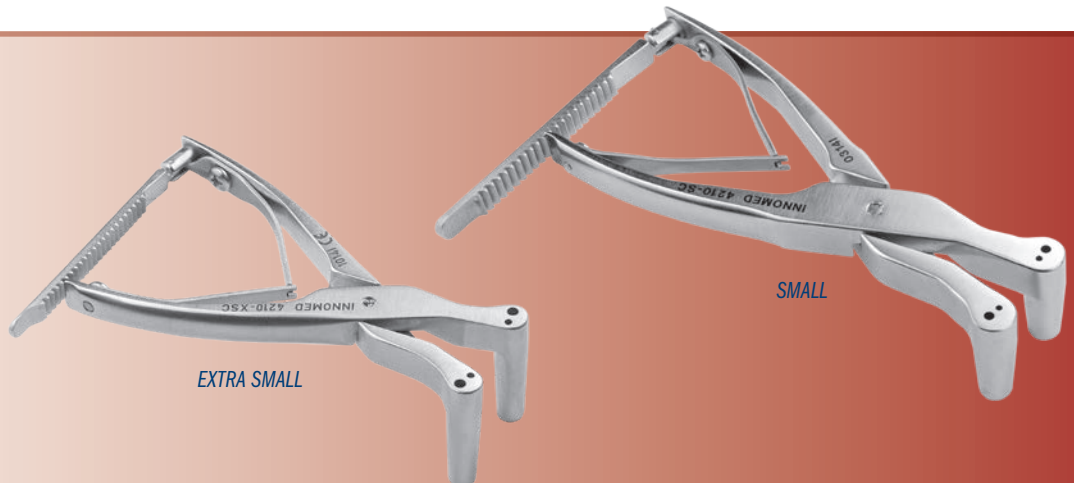


Joint, Calcaneal, and Small Bone Compressor

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)

PRODUCT NO'S:
4210-SC [Small] Overall Length: 6" (15,2 cm)
4210-XSC [Extra Small] Overall Length: 4.25" (10,8 cm)



EXTRA SMALL

SMALL

Joint, Calcaneal, and Small Bone Compressor/Distractors with Speed Lock

Speed lock helps allow precise control and prevents unintended release

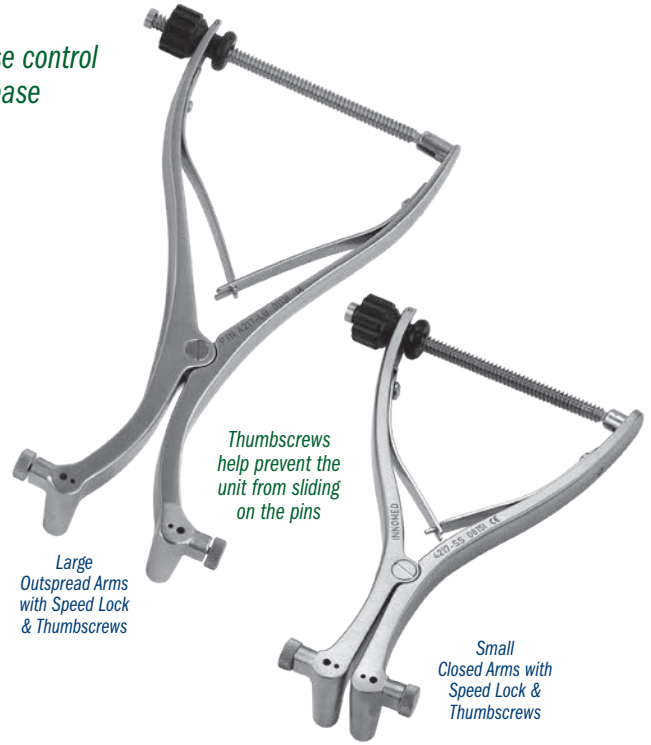
Two hole sizes allow for pin size selection.



Large Closed Arms with Speed Lock



Small Closed Arms with Speed Lock



Large Outspread Arms with Speed Lock & Thumbscrews

Thumbscrews help prevent the unit from sliding on the pins

Small Closed Arms with Speed Lock & Thumbscrews

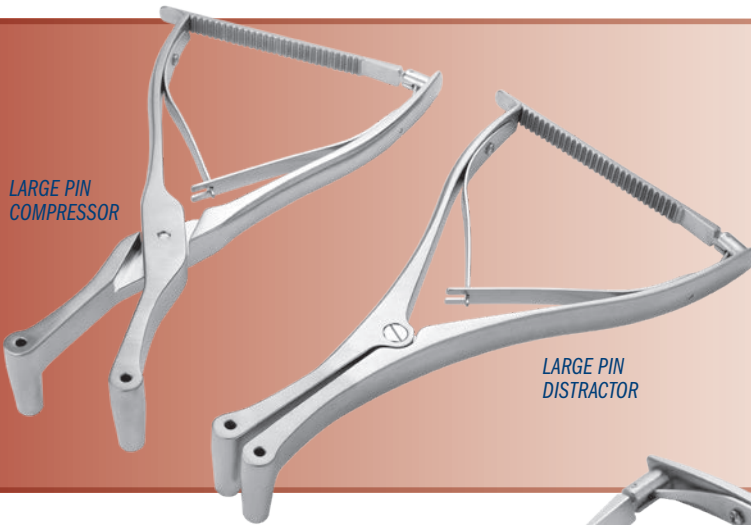


Extra Small Closed Arms with Speed Lock



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 PIN COMPRESSOR

LARGE PIN DISTRACTOR

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)

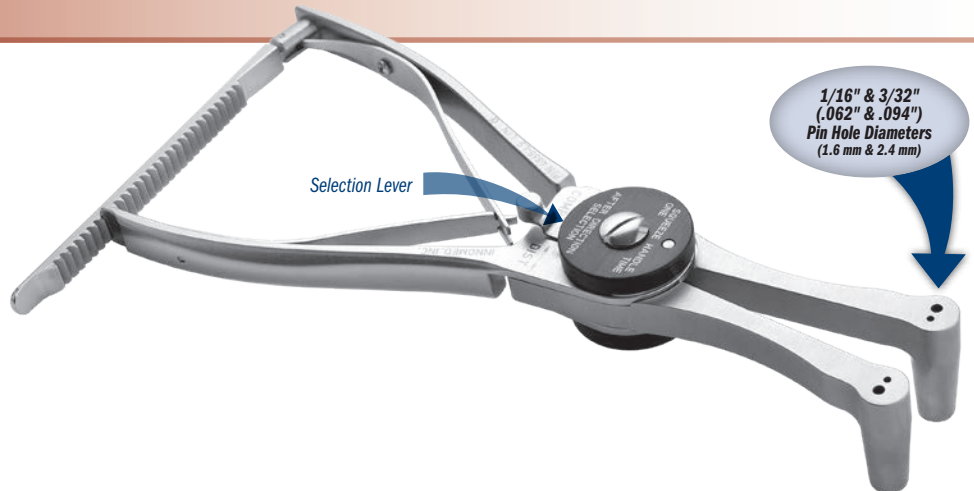


Joint, Calcaneal, and Small Bone Compressor/Distractor

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.

PRODUCT NO:
4865-LS
Overall Length: 8.5" (21,6 cm)
Holes For: .062" & .094" (1,6 & 2,4 mm) K-wire Pins



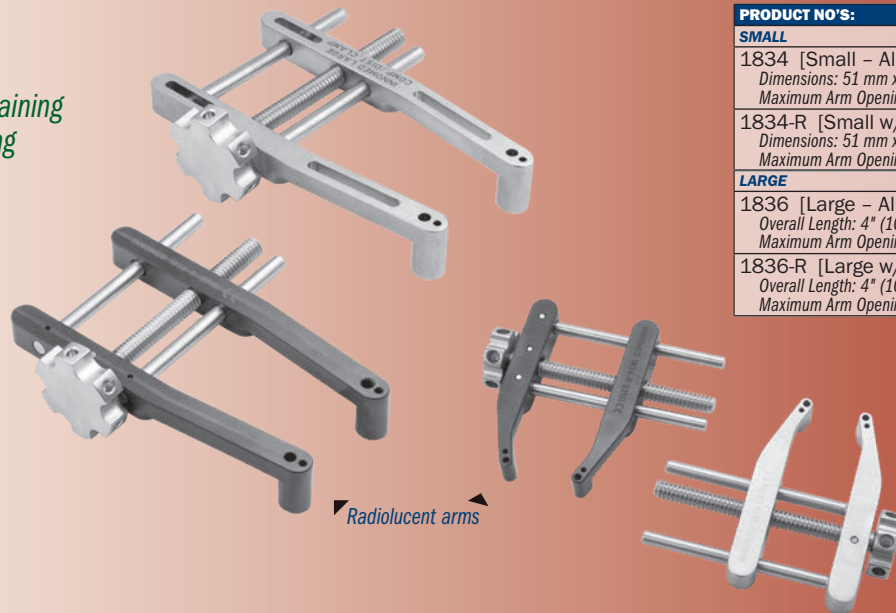
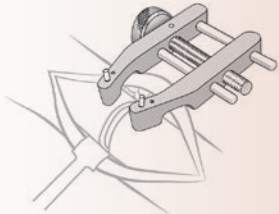
Selection Lever

1/16" & 3/32" (.062" & .094") Pin Hole Diameters (1,6 mm & 2,4 mm)

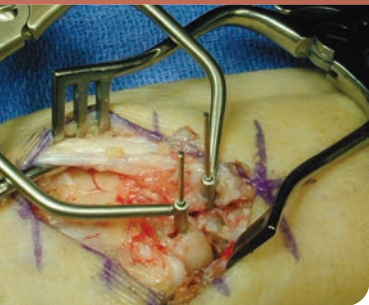
HFD Compressor/Distractor

Dial mechanism helps allow precise control of inserted wires— for maintaining a position, compressing or distracting

- ▶ A .125" (3,2 mm) pin can be used in the holes of the thumbwheel for leverage
- ▶ Small: Two hole sizes allow for ease of pin size selection: .045" (1,1 mm) & .062" (1,6 mm)
- ▶ Large: Two hole sizes allow for ease of pin size selection: .082" (2,0 mm) & .125" (3,2 mm)
- ▶ Radiolucent arms are a steam sterilizable PEEK/Carbon Fiber composite



PRODUCT NO'S:	
SMALL	
1834	[Small – All Stainless Steel] Dimensions: 51 mm x 57 mm Maximum Arm Opening: 1.35" (3,4 cm)
1834-R	[Small w/Radiolucent Arms] Dimensions: 51 mm x 57 mm Maximum Arm Opening: 1.35" (3,4 cm)
LARGE	
1836	[Large – All Stainless Steel] Overall Length: 4" (10,2 cm) Maximum Arm Opening: 2.25" (5,7 cm)
1836-R	[Large w/Radiolucent Arms] Overall Length: 4" (10,2 cm) Maximum Arm Opening: 2.25" (5,7 cm)



K-wires should be cut short above the pin guides to allow full access to the operative site



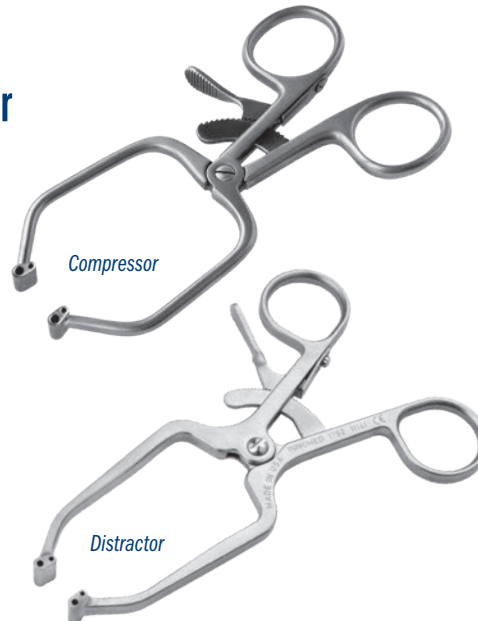
Wurapa Small Joint Compressor and Distractor

Designed by Raymond K. Wurapa, MD

Designed to allow one-handed manipulation and deployment once fixation pins are placed

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)



Available with two hole sizes on each instrument!

PRODUCT NO'S:	
DOUBLE HOLES: .045" (1,1 mm) & .062" (1,6 mm)	
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 HOLE: .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)

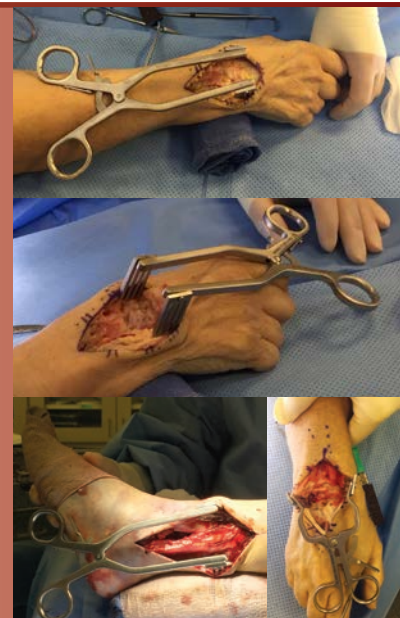
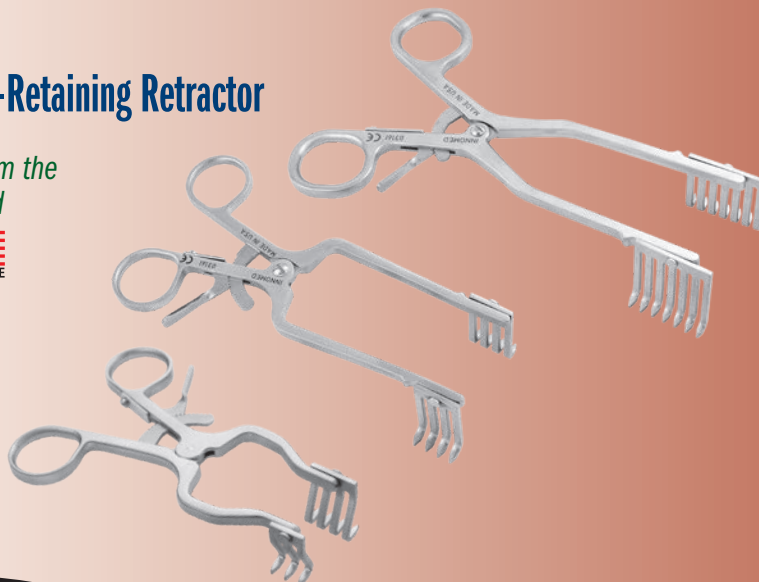


Faillace Ambidextrous Self-Retaining Retractor

Designed by John J. Faillace, MD

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 – 4x3 Teeth] Overall Length: 5.25" (13,3 cm) Prong Depth: 20 mm Prong Width: 18 mm / 13 mm

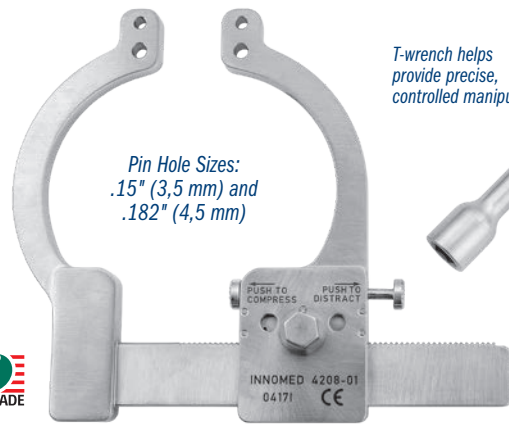


Gurbani Joint Distractor/Compressor

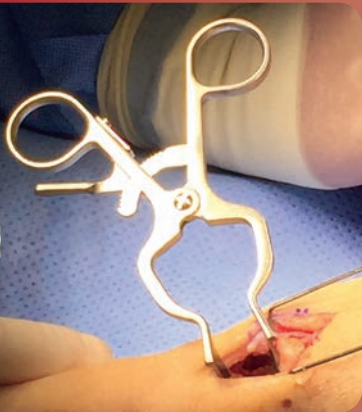
Versatile joint distractor/compressor for arthroscopic or open procedures of foot, ankle, hand, and wrist joints

Designed by
Naren G. Gurbani, MD

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]



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.

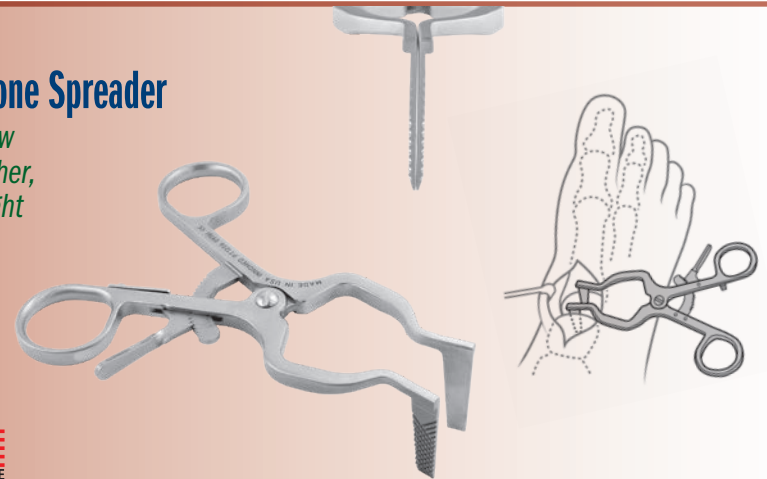


HFD Self-Retaining Small Bone Spreader

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

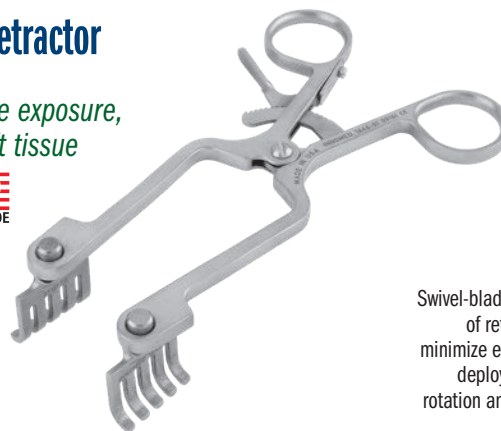


Wurapa Swivel Blade Forearm Retractor

Designed by Raymond Wurapa, MD

Designed for forearm and wrist fracture exposure, the blades swivel for less stress on soft tissue

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)



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.

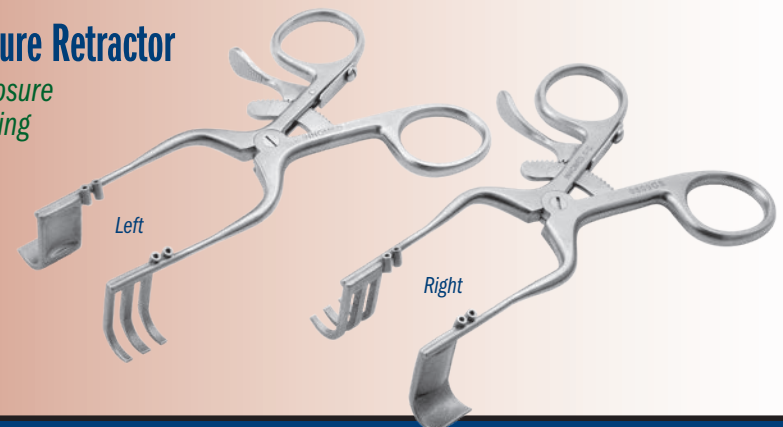


Williams Distal Radius Fracture Retractor

Designed to provide excellent exposure during fracture reduction and plating

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



Dodson Modular Retractor

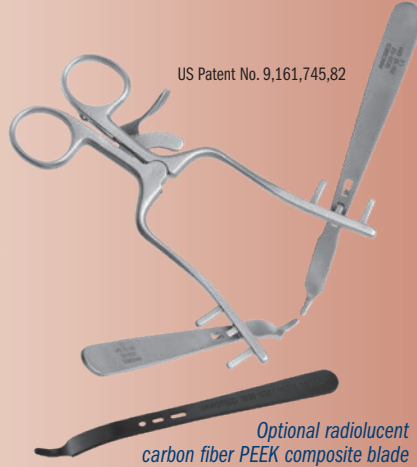
Designed by Mark A. Dodson, MD

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.

The optional radiolucent blades are 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.

US Patent No. 9,161,745,82



PRODUCT NO'S:

1838-00 [Set]

Replacement Parts:

1838-01 [Retractor Only]
Overall Length: 5.5" (14cm)

1838-02 [Blade Only - One]
Overall Length: 5.25" (13.3cm)
Blade Width: 3/8" (9mm)

1025 [Sterilization Case Only]

MADE EXCLUSIVELY
FOR INNOVEMED IN
GERMANY

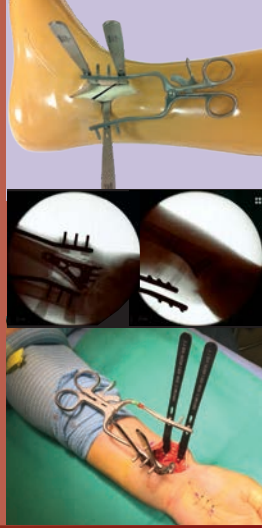
MADE EXCLUSIVELY
FOR INNOVEMED IN
SWITZERLAND

PRODUCT NO:

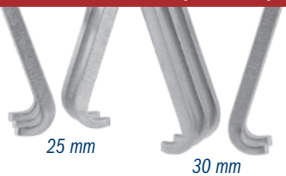
Optional Part - Not Included In Set:

1838-02R* [Radiolucent Blade]
Overall Length: 5.25" (13.3cm)
Blade Width: 3/8" (9mm)

Set consists of one ratcheting self-retaining retractor, two stainless steel mini-hohmann retractor blades, and a sterilization case.



Prong lengths of 25 mm and 30 mm available with either sharp or blunt tips

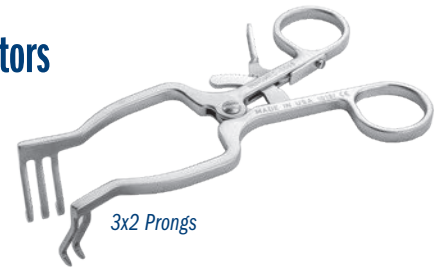


3x4 Prongs

Chung Weitlaner Retractors

Designed by Raymond Chung, MD

Longer prongs allow use in a small, but deep wound



3x2 Prongs

PRODUCT NO'S:

3x4 Prongs - Blunt Tips

5065-01 [25 mm]
Blade Depth: 25 mm
Overall Length: 4.5" (11,4 cm)

5067-01 [30 mm]
Blade Depth: 30 mm
Overall Length: 4.5" (11,4 cm)

3x4 Prongs - Sharp Tips

5066-01 [25 mm]
Blade Depth: 25 mm
Overall Length: 4.5" (11,4 cm)

5068-01 [30 mm]
Blade Depth: 30 mm
Overall Length: 4.5" (11,4 cm)

PRODUCT NO'S:

2x3 Prongs - Blunt Tips

5065 [25 mm]
Blade Depth: 25 mm
Overall Length: 4.5" (11,4 cm)

5067 [30 mm]
Blade Depth: 30 mm
Overall Length: 4.5" (11,4 cm)

2x3 Prongs - Sharp Tips

5066 [25 mm]
Blade Depth: 25 mm
Overall Length: 4.5" (11,4 cm)

5068 [30 mm]
Blade Depth: 30 mm
Overall Length: 4.5" (11,4 cm)

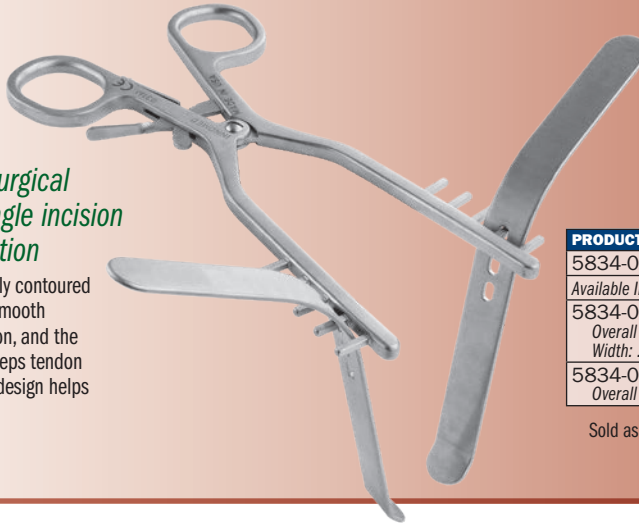


Beard Distal Bicep Retractor

Designed by David Beard, MD

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.



PRODUCT NO'S:

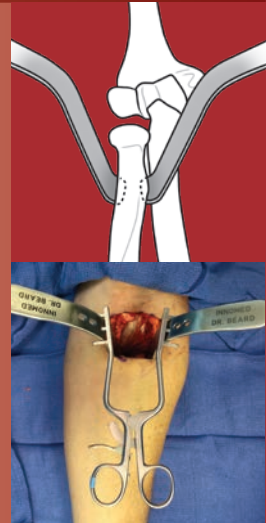
5834-00 [Set - Retractor & Two Blades]

Available Individually:

5834-01 [Blade] 1 blade with this product number
Overall Length: 6.375" (16,2 cm)
Width: .625" (16 mm)

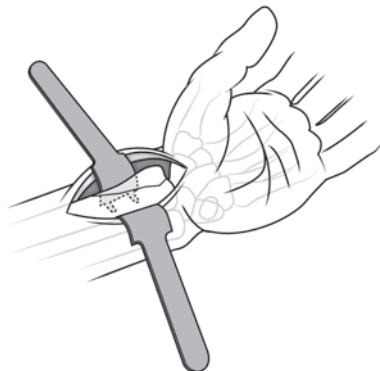
5834-02 [Self-retaining Retractor]
Overall Length: 7.5" (19,1 cm)

Sold as a set, or available individually for replacement.



PRODUCT NO:

5837-01
Overall Length: 5.375 (13,7 cm)
Blade Width: 1" (25 mm)



Beard Distal Radius Wide Hohmann Retractor

Designed by David Beard, MD

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

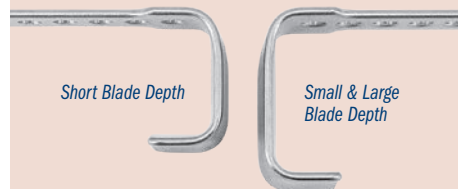


Lawton Distal Radius Mini Frame & Blade Set

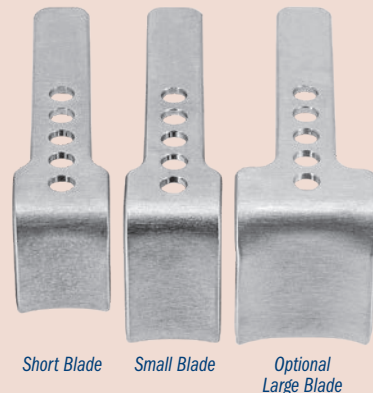
Designed by Jeffrey Lawton, MD

Designed for self-retaining exposure for distal radius and other small bone fractures

PRODUCT NO:
1578-00 [Set]
Set Includes / Available Individually:
1578-01 [Mini Frame] Dimensions: 3" x 2.5" (7,6 x 6,4 cm)
1578-02 [Mini Short Blade] (2) included in set, (1) with this product number Overall Length: 2.5" (6,4 cm) Blade Width: .625" (16 mm) Blade Depth: .875" (22 mm)
1578-03 [Mini Small Blade] (2) included in set, (1) with this product number Overall Length: 2.625" (6,7 cm) Blade Width: .625" (16 mm) Blade Depth: 1.125" (29 mm)
Optional Blade / Not Included in Set:
1578-04 [Mini Large Blade] Overall Length: 2.5" (6,4 cm) Blade Width: .935" (24 mm) Blade Depth: 1.125" (29 mm)



Set includes: (1) Frame,
(2) Short Blades, (2) Small Blades.
Optional Large Blade available separately.



OrthoLucent™ Mini Hohmann Retractors

Designed by Jeffrey Lawton, MD

Radiolucent,
lightweight retractors

The carbon fiber PEEK material is strong, lightweight, completely radiolucent, can be steam sterilized, and helps to prevent from marring component surfaces.

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

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PRODUCT NO'S:
1159 [Standard Sharp Rake] Overall Length: 4.5" (11,4 cm) Blade Width: 9 mm Blade Depth: 7 mm
1161 [Standard Blunt Rake] Overall Length: 4.5" (11,4 cm) Blade Width: 9 mm Blade Depth: 7 mm
1162 [Standard Senn] Overall Length: 4.5" (11,4 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
1161-01 [Extended Blunt Rake] Overall Length: 5.625" (14,4 cm) Blade Width: 9 mm Blade Depth: 7 mm
1162-01 [Extended Senn] Overall Length: 5.625" (14,4 cm) Blade Width: 6 mm Blade Depth: 16 mm

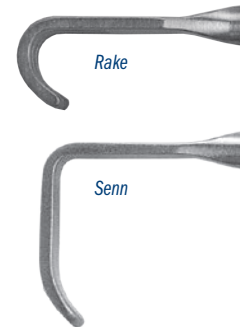
Chung T-Handle Retractors

Designed by Raymond Chung, MD

Designed with a T-handle for easier holding and to help reduce finger and thumb fatigue

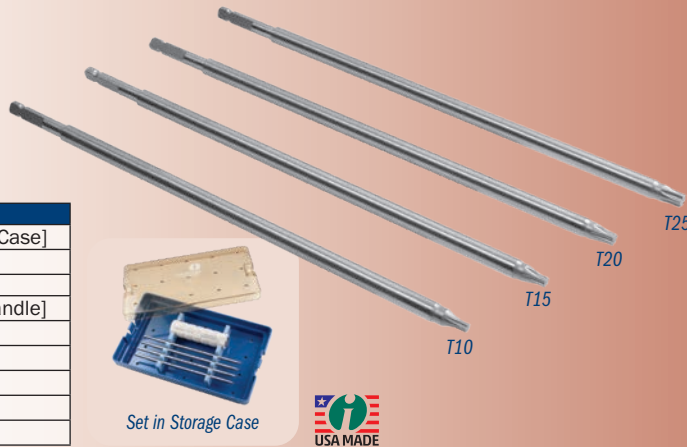
Standard Shaft Length

Extended Shaft Length



Star Bit Driver Set

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



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]

Set in Storage Case



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.



Universal Screw Removal Instrument System

Designed to help remove a variety of screws—solid and cannulated: stripped hex screws, buried screws, partial screws with broken screw heads

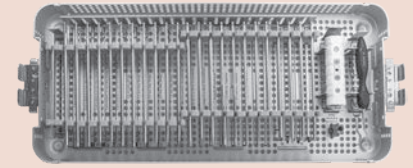


Screw Extractors

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.



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

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)	

Hex Drivers

Solid shaft in all standard hex sizes.

Cannulated Hex Drivers

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

Universal Extractor

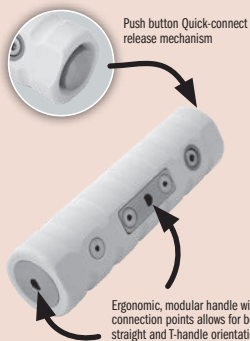
Designed to remove screws with heads partially or completely missing. The cone shaped head fully engages the remaining screw and optimizes the force needed for removal. The bolt is disposable and locks into place using a unique thread design. Designed to be used in a counter-clockwise direction.

Screwdrivers

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

Cannulated Drive Extension

Used when a longer instrument shaft is desired.



Push button Quick-connect release mechanism

Ergonomic, modular handle with two connection points allows for both straight and T-handle orientations



Extractor Wrench

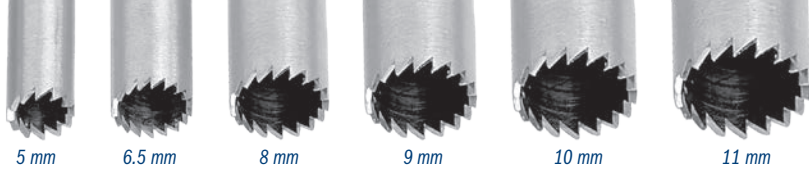
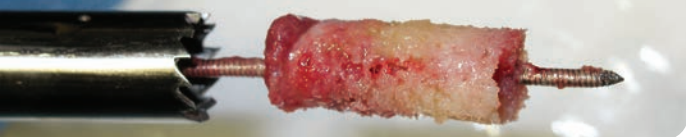
Universal Instrument Handle

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.

Pick

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





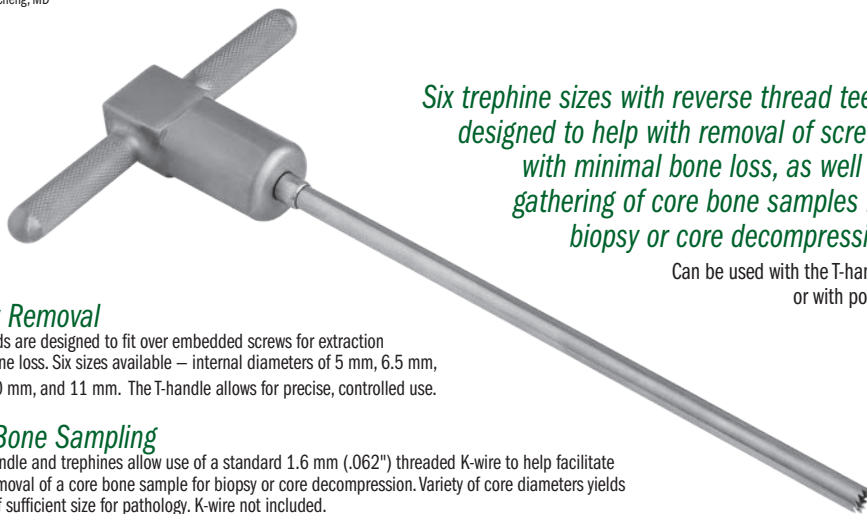
Cheng Screw Removal and Bone Trephine Set

Designed by Edward Cheng, MD

Trephine Sizes



K-wire not included.



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.

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.

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)
1425-14	[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]



small & large single slot

cross & cruciate

3.5 mm & 4.5 mm hex

small & large phillips

#6 & #8 star

#10 & #15 star

#20 & #25 star

Set consists of one handle and one sterilization/storage case, plus seven double ended screwdriver bits:

- ▶ small & large single slot
- ▶ cross & cruciate
- ▶ 3.5 mm & 4.5 mm hex
- ▶ small & large phillips
- ▶ #6 & #8 star
- ▶ #10 & #15 star
- ▶ #20 & #25 star



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.

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]

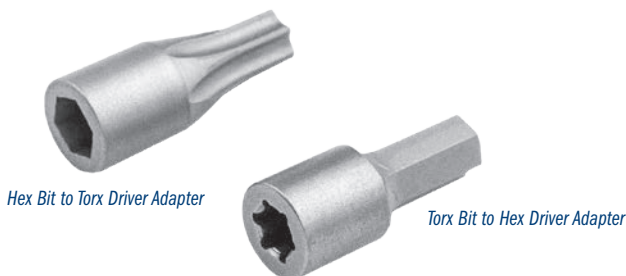


Torx/Hex Adapter Set

Designed by Stephen M. Walsh, MD

Designed for conversion of a 3.5 mm screwdriver

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

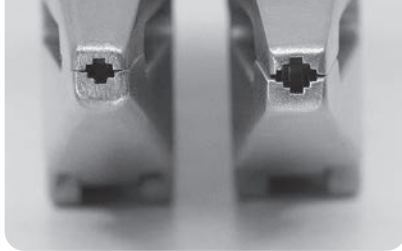


Hex Bit to Torx Driver Adapter

Torx Bit to Hex Driver Adapter

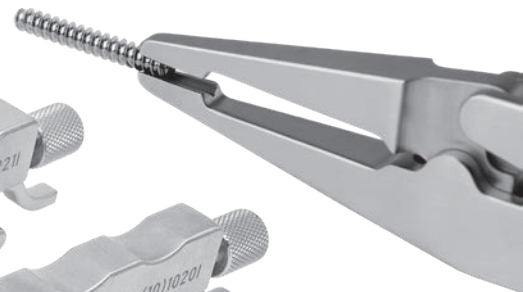
PRODUCT NO'S:	
8003-00	[Set – One Each]
Set Includes/Available Separately:	
8003-01	[Torx Bit to Hex Driver Adapter] Overall Length: .6" (1,54 cm)
8003-02	[Hex Bit to Torx Driver Adapter] Overall Length: .6" (1,54 cm)





Screw/Pin Removal Locking Pliers

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



NEW Small Jaw End & Bite

Designed to securely grab pins as small as 1.4 mm (.055") up to 2.4 mm (.095")

Standard Jaw End & Bite

Designed to securely grab larger pins, screw heads, or broken screws

Standard



Small

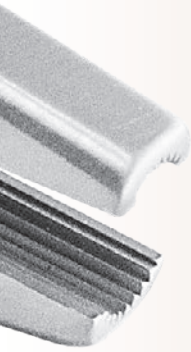
Reduced jaw size for smaller screws, pins and incisions



PRODUCT NO'S:

S0142 [Standard]
Overall Length: 7.875" (20 cm)
Jaw Width at End: 4 mm

S0142-01 [Small]
Overall Length: 7.875" (20 cm)
Jaw Width at End: 4 mm



Screw Extractor with Speed Lock

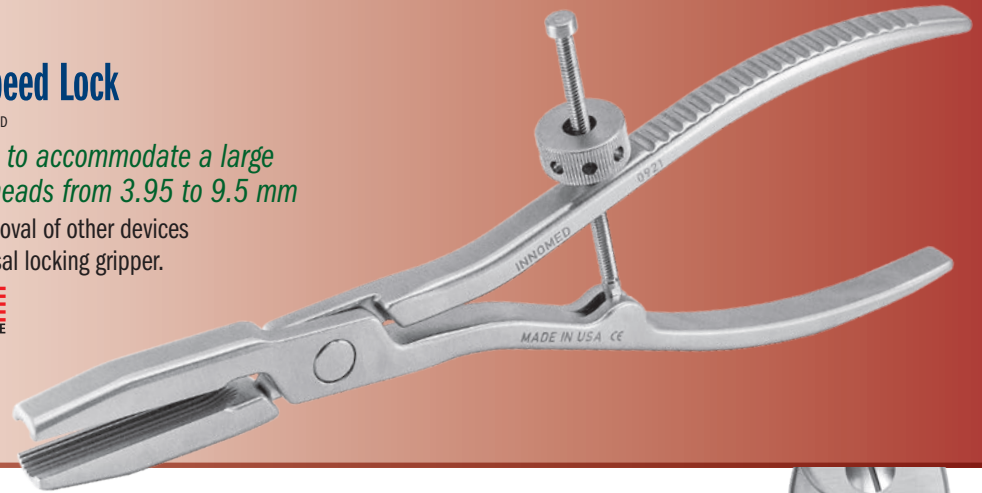
Designed by Khaled Sarraf, MD & Konstantinos Doudoulakis, MD

Universal extractor designed to accommodate a large range of screws and screw heads from 3.95 to 9.5 mm

Can also be used to help with removal of other devices that may require a twisting universal locking gripper.

PRODUCT NO:

2021
Overall Length: 9.25" (23,5 cm)
Jaw Width: 11 mm
Jaw Length: 5 cm



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)



Long Jaw Needle Nose Pliers

PRODUCT NO:

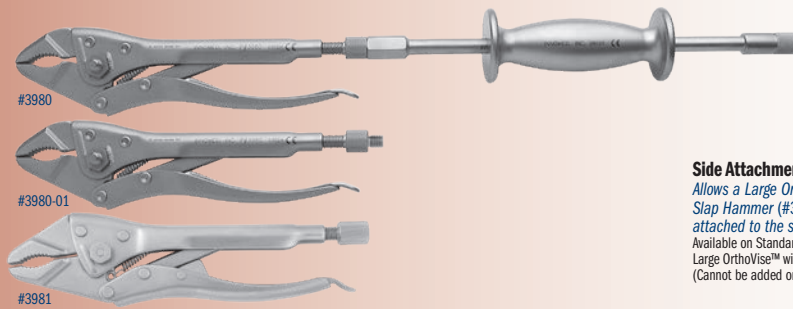
1833
Overall Length: 7" (17,8 cm)
Jaw Length: 2.25" (5,7 cm)
Jaw Width Tapered from: 8 mm to 1.5 mm
Jaw Height Tapered from: 12 mm to 2.5 mm

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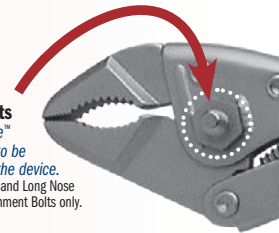


STANDARD LARGE

PRODUCT NO'S:	
	OrthoVise™ Length: 10" (25,4 cm)
3980	with Attachment Bolts (two sides & end) with Large OrthoVise™ Slap Hammer (#3950)
3980-01	with Attachment Bolts (two sides & end) without Slap Hammer
3981	without Attachment Bolts without Slap Hammer with End Attachment Nut that accepts a Standard Slap Hammer (#3925 or 3926)

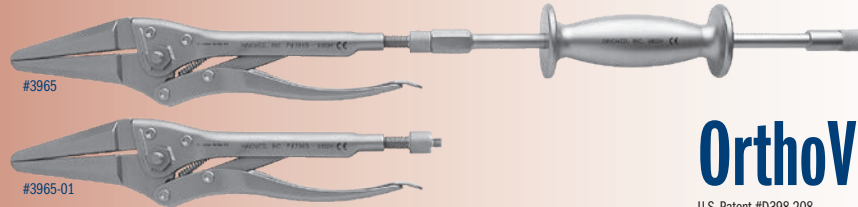


Side Attachment Bolts
Allows a Large OrthoVise™ Slap Hammer (#3950) to be attached to the side of the device. Available on Standard Large and Long Nose Large OrthoVise™ with Attachment Bolts only. (Cannot be added on later.)



LONG NOSE LARGE

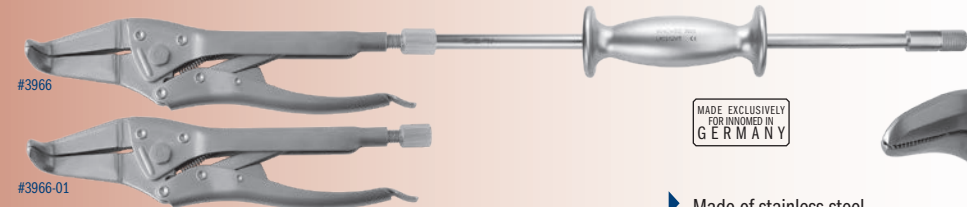
PRODUCT NO'S:	
	OrthoVise™ Length: 12" (30,5 cm)
3965	with Attachment Bolts (two sides & end) with Large OrthoVise™ Slap Hammer (#3950)
3965-01	with Attachment Bolts (two sides & end) without Slap Hammer



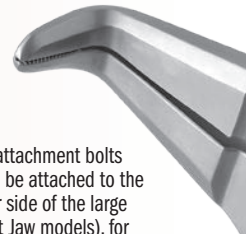
OrthoVise™
U.S. Patent #D398,208

LONG NOSE LARGE BENT JAW

PRODUCT NO'S:	
	OrthoVise™ Length: 11.5" (29,2 cm)
3966	with Attachment Nut (end) with Standard Slap Hammer (#3925)
3966-01	without Slap Hammer with Attachment Nut (end) that accepts a Standard Slap Hammer (#3925 or 3926)

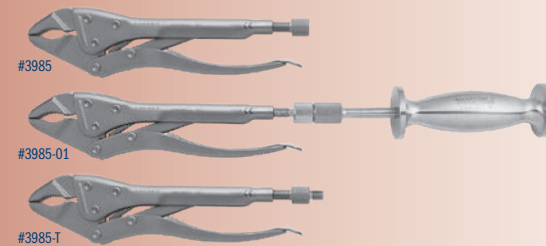


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STANDARD SMALL

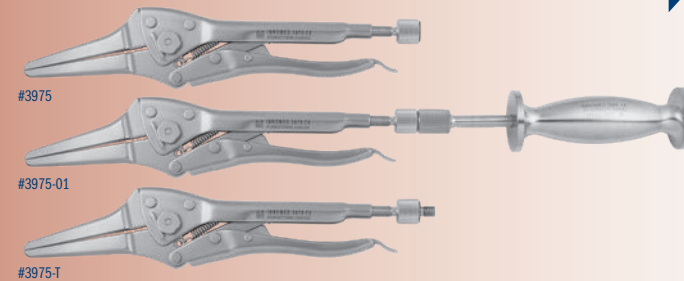
PRODUCT NO'S:	
	OrthoVise™ Length: 8" (20,3 cm)
3985	without Attachment Bolt without Slap Hammer
3985-01	with Attachment Bolt (end) with Small OrthoVise™ Slap Hammer (#3955)
3985-T	with Attachment Bolt (end) without Slap Hammer



- ▶ Made of stainless steel
- ▶ Models equipped with attachment bolts allow a slap hammer to be attached to the end, as well as to either side of the large OrthoVise™ (except Bent Jaw models), for greater adaptability
- ▶ Bent Jaw models are not available with side attachment bolts, but have an end attachment nut to accept a Standard Slap Hammer (#3925 or #3926)
- ▶ A different size slap hammer is used for the large and small sizes of OrthoVise™
- ▶ Slap Hammers are designed with a hammer plate for the additional use of a mallet if desired

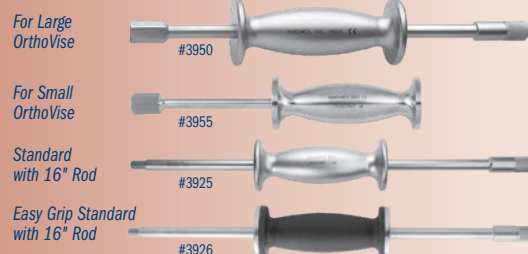
LONG NOSE SMALL

PRODUCT NO'S:	
	OrthoVise™ Length: 9.5" (24,1 cm)
3975	without Attachment Bolt without Slap Hammer
3975-01	with Attachment Bolt (end) with Small OrthoVise™ Slap Hammer (#3955)
3975-T	with Attachment Bolt (end) without Slap Hammer



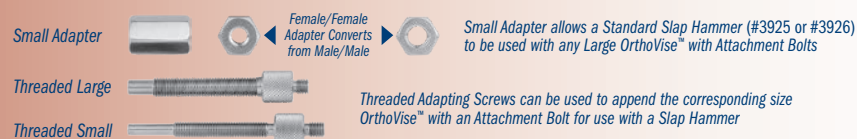
SLAP HAMMERS

PRODUCT NO'S:	
3950	[Slap Hammer for Large OrthoVise] For use with 3965's, 3980's, 3981 Overall Length: 16.5" (41,9 cm)
3955	[Slap Hammer for Small OrthoVise] For use with: 3975's, 3985's Overall Length: 8.75" (22,2 cm)
3925	[Standard Slap Hammer w/16" Rod] For use with: 3966's Overall Length: 16" (40,7 cm)
3926	[Easy Grip Slap Hammer w/16" Rod] For use with: 3966's Overall Length: 16" (40,7 cm)

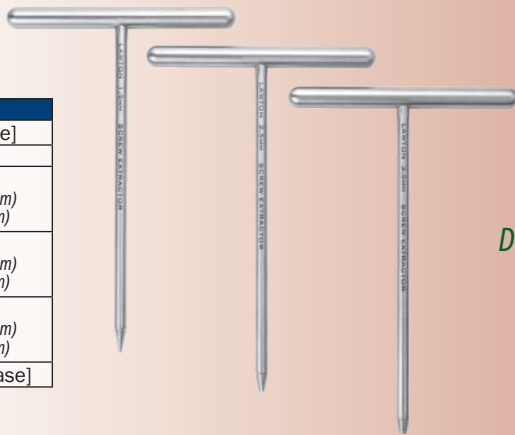


THREADED ADAPTERS

PRODUCT NO'S:	
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



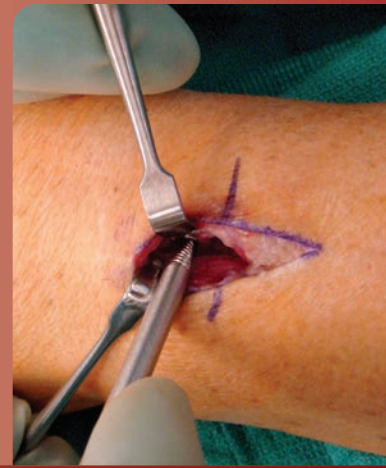
PRODUCT NO'S:
7653-00 [Set w/Case]
Individual Parts:
7653-01 [1.5 mm] Overall Length: 6" (15,2 cm) Handle Width: 4" (10,2 cm)
7653-02 [2.5 mm] Overall Length: 6" (15,2 cm) Handle Width: 4" (10,2 cm)
7653-03 [3.5 mm] Overall Length: 6" (15,2 cm) Handle Width: 4" (10,2 cm)
1025 [Sterilization Case]



Lawton Screw Extractors

Designed by Jeffrey Lawton, MD

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



Lawton Broken Screw Extractor

Designed by Jeffrey Lawton, MD

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

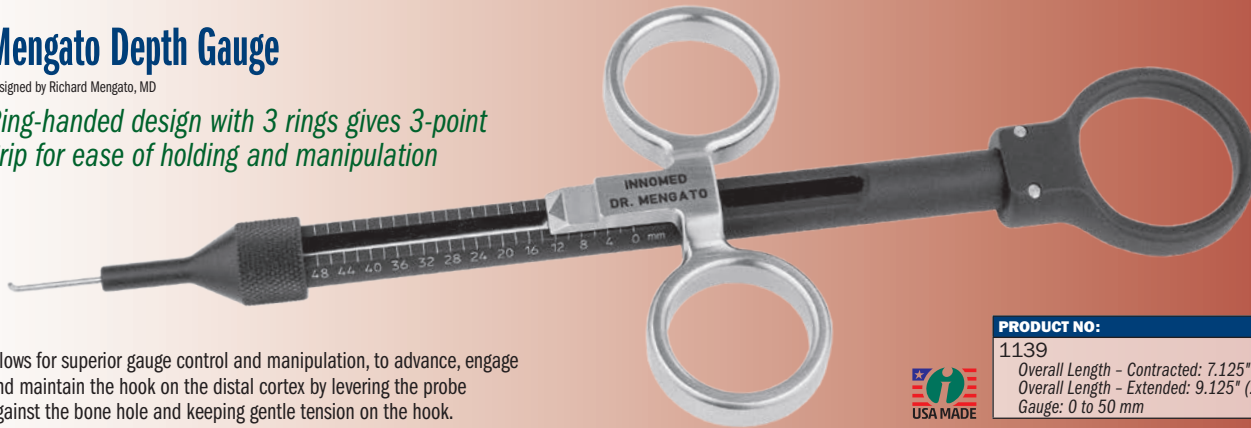
PRODUCT NO:
7653-04
Overall Length: 4" (10,2 cm)
Handle Width: 3" (7,6 cm)



Mengato Depth Gauge

Designed by Richard Mengato, MD

Ring-handed 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

Depth Gauge

Designed to help 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



Stainless
Impactor Sizes

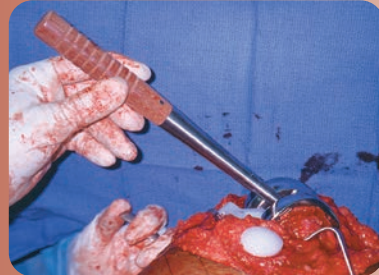
Delrin
Impactor Sizes



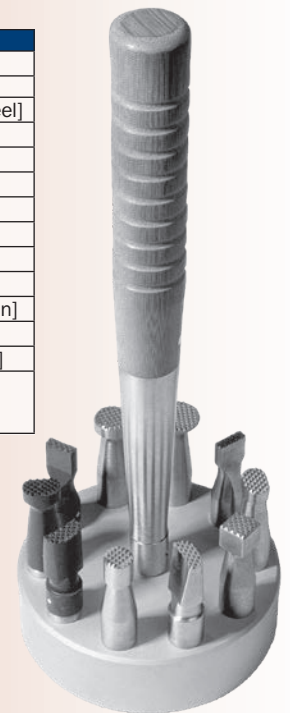
Modular Impactor Set

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.

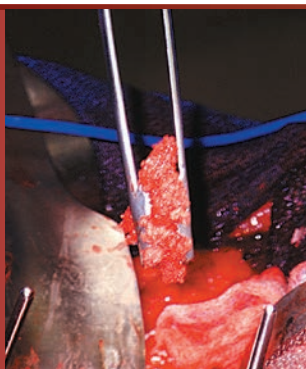


PRODUCT NO:	
5370	[Complete Set]
<i>Included In Set / Also Available Individually:</i>	
5370-01	[Rectangular Tip 11 mm x 4 mm Steel]
5370-02	[Oval Tip 13 mm x 8 mm Steel]
5370-03	[Crescent Tip 12 mm x 5 mm Steel]
5370-04	[Square Tip 9 mm x 9 mm Steel]
5370-05	[Round Tip 15 mm Steel]
5370-06	[Round Tip 12 mm Steel]
5370-07	[Round Tip 9 mm Steel]
5370-19	[Set Base] Base Diameter: 3.5" (8,9 cm)
5370-D1	[Rectangular Tip 11 mm 4 mm Delrin]
5370-D2	[Oval Tip 13 mm x 8 mm Delrin]
5370-D3	[Crescent Tip 12 mm x 5 mm Delrin]
5370-H	[Modular Handle] Overall Length: 8" (20,3 cm) Grip Length: 4.5" (11,4 cm)



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]

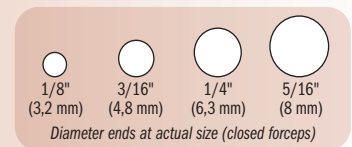


Universal Bone Grafting/Impacting Forceps

Designed by J. A. Amis, MD

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

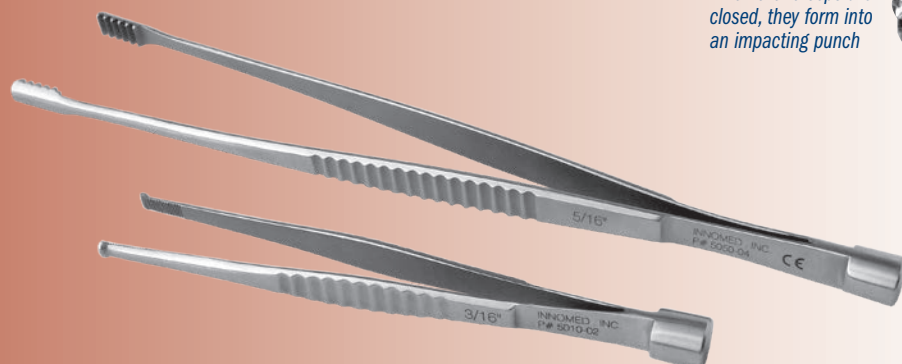
The forceps are designed with grasping ends for delivery of bone graft. When the graft is in place, the forceps are closed, which forms the ends into an impacting punch. A striking platform is attached to the end of the forceps for tapping and tamping the graft. Four end diameters are available in two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



When the forceps are closed, they form into an impacting punch



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



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Rogozinski Locking Needle Driver/Scissors

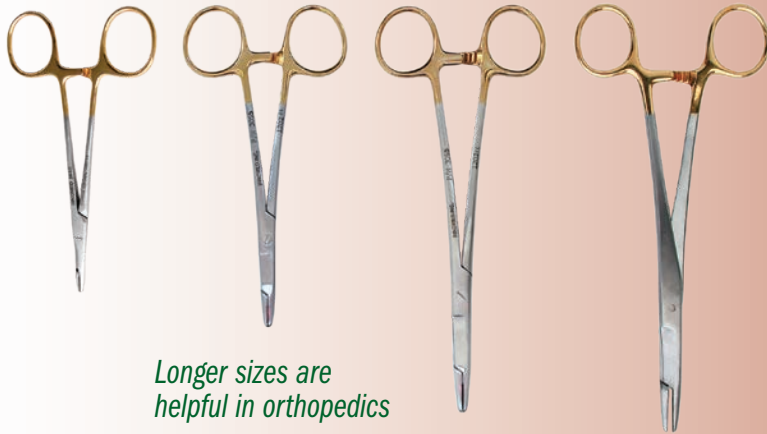
Designed with a quick lock & release handle, can drive a needle and cut a suture without changing instruments



PRODUCT NO'S:
3083 [Standard] Overall Length: 6.5" (16,5 cm)
3084 [Large] Overall Length: 7.75" (19,7 cm)

Designed by
Chaim Rogozinski, MD

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GERMANY



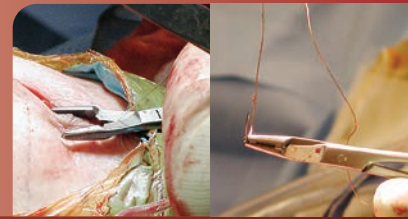
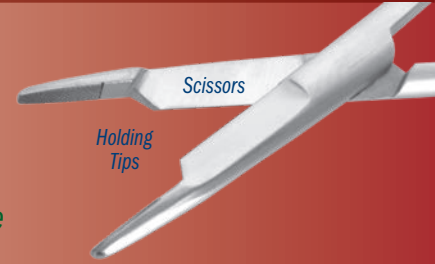
Longer sizes are
helpful in orthopedics

Orthopedic Needle Holder/Scissors

Drive a needle and cut a suture without changing instruments

PRODUCT NO'S:
Standard Tips
3070 7.0" (17,8 cm)
Tungsten Carbide Tips
3055 5.5" (14 cm)
3065 6.5" (16,5 cm)
3075 7.0" (17,8 cm)

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Large T-Handle Fixed Drivers

Large easy grip soft silicone handled drivers help provide a sturdy non-slip grip

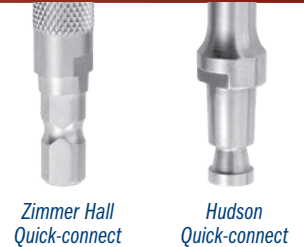
PRODUCT NO'S:
8248 [Zimmer Hall Quick-connect] Overall Length: 5.75" (15,6 cm) Handle Width: 4.625" (11,6 cm)
8248-01 [Zimmer Hall Reverse Quick-connect] Overall Length: 5.75" (15,6 cm) Handle Width: 4.625" (11,6 cm)
8249 [Hudson Quick-connect] Overall Length: 6.75" (17,1 cm) Overall Length with Pin In Handle: 11.5" (29,2 cm)



Zimmer Hall
Quick-connect

Zimmer Hall
Reverse Quick-connect

Hudson
Quick-connect



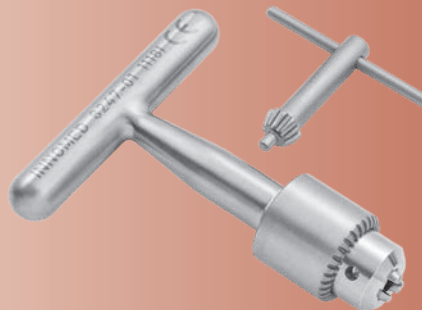
Zimmer Hall
Quick-connect

Hudson
Quick-connect

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.

T-Handle Chuck & Key

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



Clear Vision Debris Shield

Designed by R. Barry Sorrells, MD

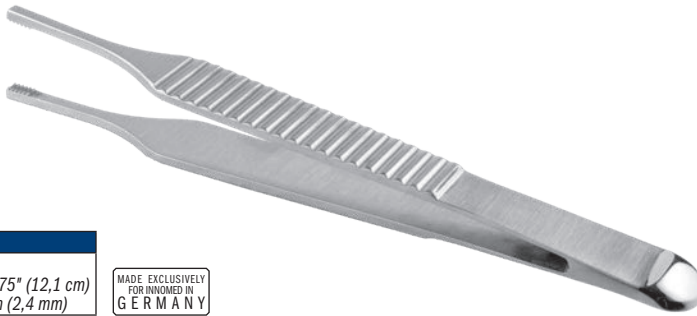
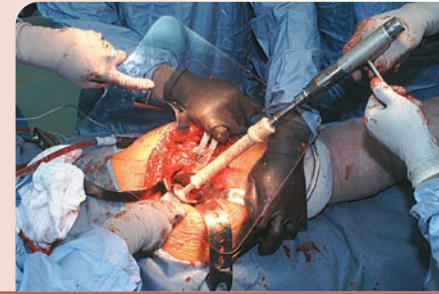
Provides a degree of restriction from flying debris or liquid during surgery

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 shield is autoclavable and gas sterilizable in a flat position.

PRODUCT NO:

8031-01

Dimensions: 8" x 10.25" (20,3 cm x 26 cm)
(Dimensions do not include the handle)



PRODUCT NO:

1166

Overall Length: 4.75" (12,1 cm)
Tip Width: 2.4 mm (2,4 mm)

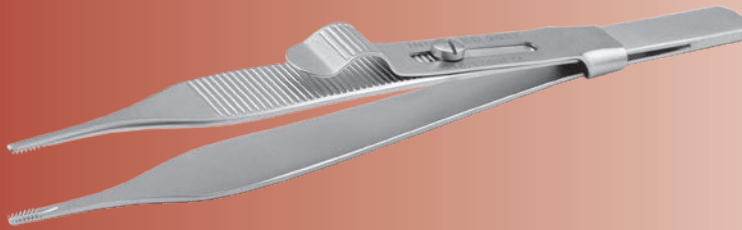
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Adson Forceps with Cobb Elevator End

Designed by Oscar Castro-Aragon, MD

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.



Rudisill Locking Small Bone Reduction Forcep

Designed by Ed Rudisill, MD

For reduction of hand phalanx and metacarpal fractures

PRODUCT NO:

2017

Overall Length: 4.875" (12,4 cm)

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Faillace Bone Impact/Graft Forceps

Design modification by John J. Faillace, MD, FAAOS

Long vertical grooves at the tip are designed to deliver graft into a small space, where a freer elevator can be used to push the graft down into the space, then the closed flat end can be used to tamp down the graft



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PRODUCT NO:

5011

Overall Length: 5" (12,7 cm)
Tip Diameter When Closed: 3,2 mm



Gelbke Cobb Elevator with Suction

Designed by Martin K. Gelbke, MD

Designed to be used during exposure of the posterior spine, as well as for pelvic and acetabular trauma cases



PRODUCT NO'S:	
3433	
Overall Length: 12.75" (32,4 cm)	
Cobb End Width: 18 mm (.7")	
Shaft plus Head Length: 5.5" (15 cm)	



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	WITHOUT TEETH
3432 [1/2" with Teeth] Overall Length: 11" (27,9 cm) Blade Width: 1/2" (13 mm)	3436 [1/2" without 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)	3438 [1" without Teeth] Overall Length: 11" (27,9 cm) Blade Width: 1" (25,4 mm)



Available with or without teeth

Bradley Periosteal Elevator

Designed by Gary W. Bradley, MD

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)	



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	

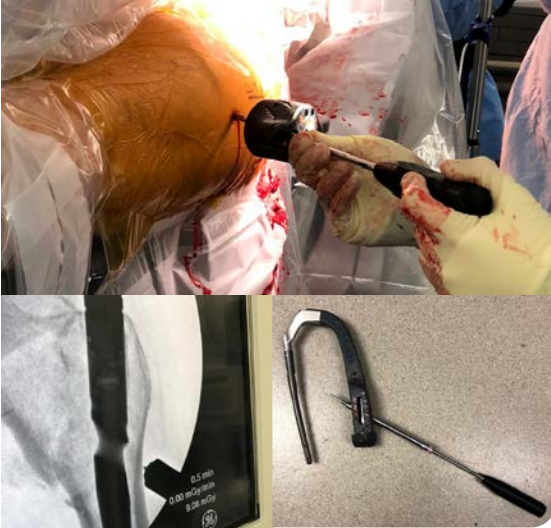


Periosteal Elevator

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.





Extended Scalpel Handle

Designed by Richard Pelliccio, MD

Long thin scalpel handle used with knife blade to make a skin incision and cut through fascia to help seat trocars to bone

#10 blade normally used but choice of blade is at surgeons' discretion. Blade not included.

PRODUCT NO:

3022

Overall Length: 18.9" (48 cm)

Handle Length: 5.5" (14 cm)

Shaft Diameter: .25" (6,35 cm)



Laser mark on shaft allows visual orientation of the blade when passing through a cannula.

Ortho Suction Tube

Designed by T. Eickmann, MD

Very effective for suction and minor retracting

Helps eliminate plugging due to bone, cement fragments, blood clots, etc.

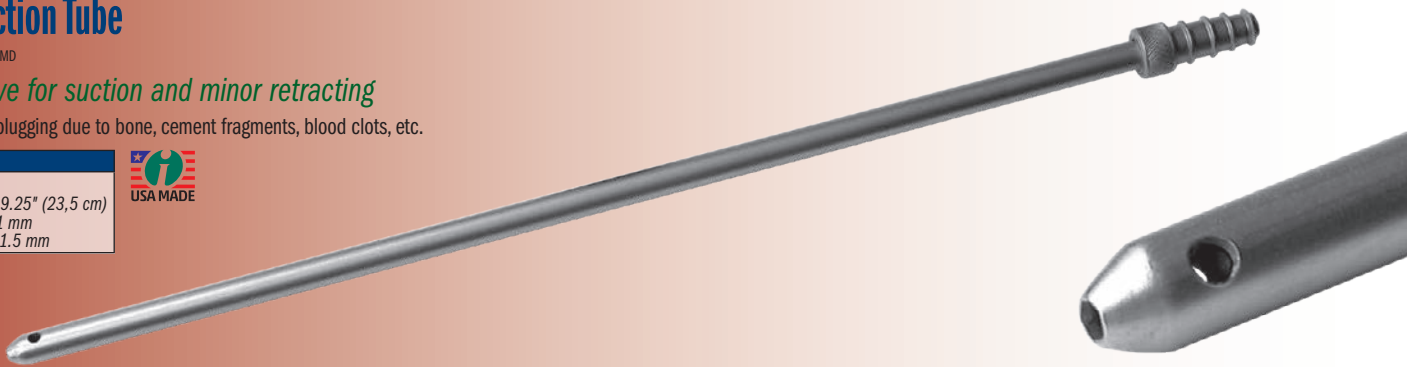
PRODUCT NO:

5465

Overall Length: 9.25" (23,5 cm)

End Hole Dia.: 1 mm

Side Hole Dia.: 1.5 mm



Beicker Curette Suction Device

Designed by Clint Beicker, MD

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)

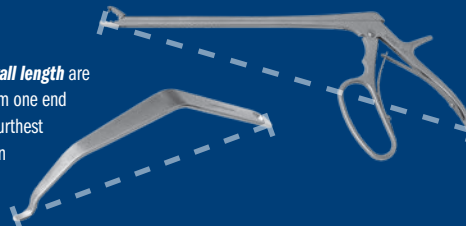
Curette Cup: 7.5 mm x 5.5 mm



Measurements in this Catalog

All effort has been made to ensure the accuracy of the measurements listed in this catalog, however, some small differences may exist between actual and listed measurements.

Measurements of **overall length** are the linear distance from one end of the product to the furthest opposite end, as shown in these examples:



Measurements of **blade width** are the linear distance from one side of the product to the opposite side, typically at the widest point, as shown in this example:



FREE TRIAL

on most instruments

Instruments are available for a no-charge two-week evaluation – includes FREE UPS Ground Shipping*

*When shipped to a hospital or medical center; additional charge applies for expedited shipping.
Free trial offer excludes implant extraction instruments, which are available as rentals. There is a pad replacement charge with the hip positioners.

New!

Mantis Screwdriver Distractor

Designed by J. Albert Diaz, MD

*Designed to help provide stable distraction across difficult-to-reduce fractures using two seated screwdrivers**



- ▶ Accommodates screwdrivers of varying size for use with both small and large fragment systems
- ▶ Allows for distraction of difficult-to-reduce fractures without the need to drill additional holes outside of the plate
- ▶ The plate can be locked with a screw once length has been restored.

PRODUCT NO:

3654

Overall Length: 7.5" (19.1 cm)
Pin Hole Diameters: 4.5, 5.5, & 8.5 mm
Leg & Pin Hole Depth: .7" (17.5 mm)

*Screwdrivers not included.

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