

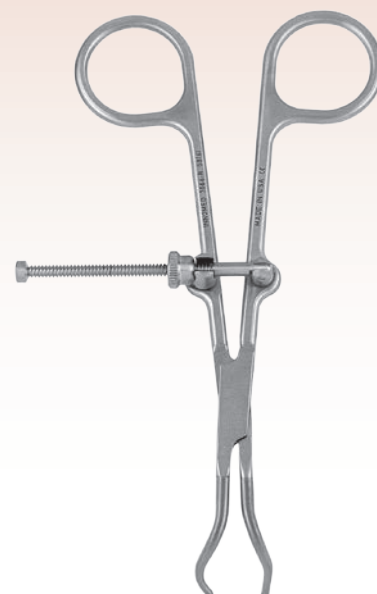
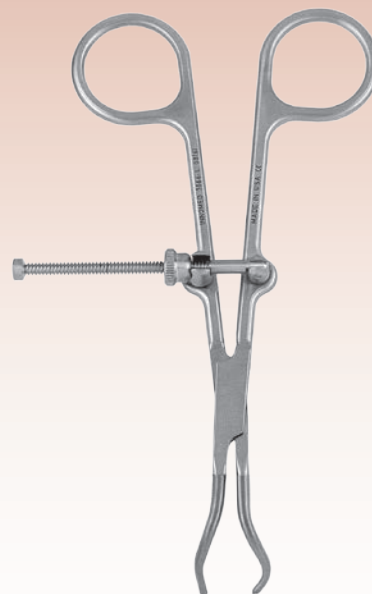
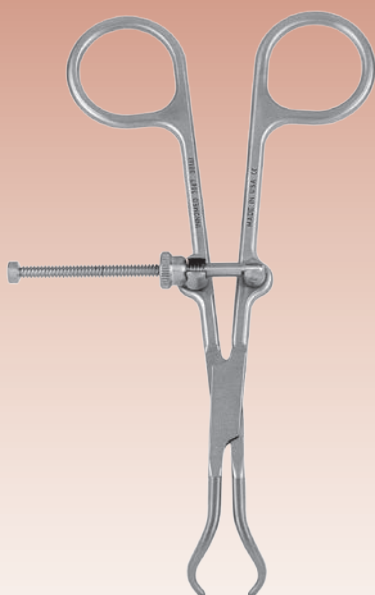
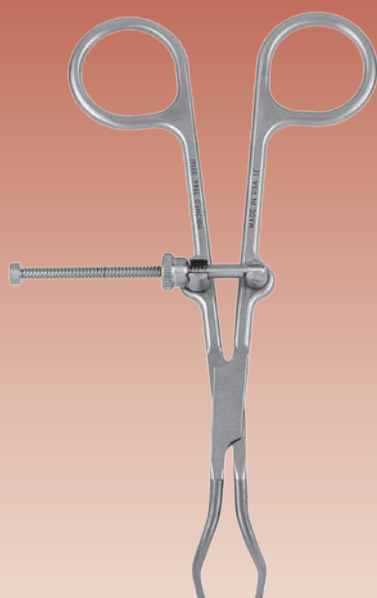
# INNOMED

## ORTHOPEDIC INSTRUMENTS



### Trauma Instruments

October 2017



Featuring many **New!** instruments throughout

**Pointed Fracture  
Reduction Clamps**

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# What's New In This Catalog?

a snapshot of all the *New!* instruments within

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**Bates Needle Holder with Suture Cutter**  
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**Beard Distal Radius Wide Hohmann Retractor**  
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**Becker Curette Suction Device**  
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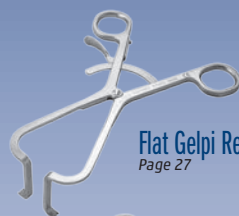
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**Coated Allis Bone Clamps**  
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**Flat Gelpi Retractors**  
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**Faillace Ambidextrous Self-Retaining Retractor**  
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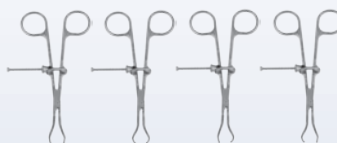
**Periarticular Reduction Forceps**  
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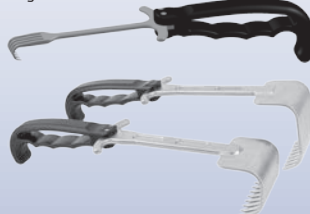
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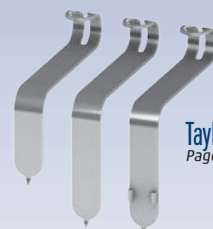
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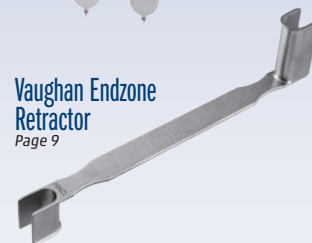
**Sumko Surgical Finger Guide**  
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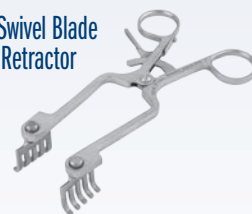
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## Becker Curette Suction Device

Designed by Clint Becker, 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



*New!*





## Stoll Bone Plate Clamp

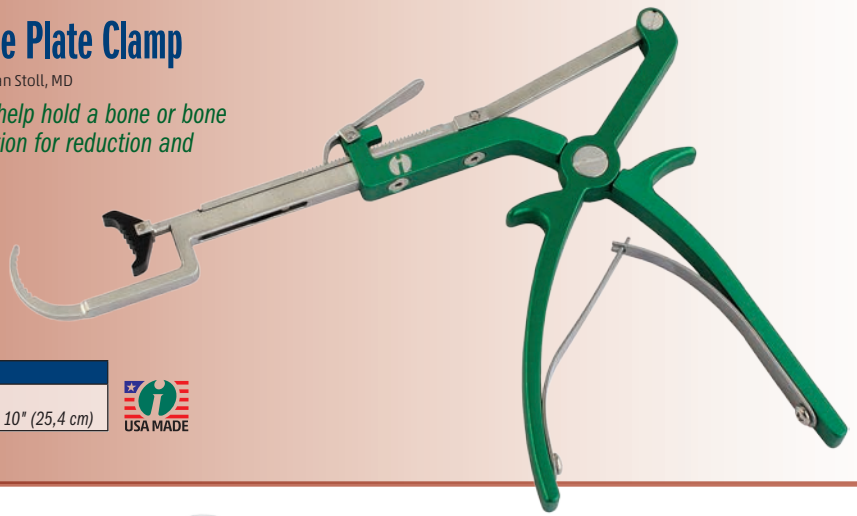
Designed by Jordan Stoll, MD

*Designed to help hold a bone or bone plate in position for reduction and fixation*

### PRODUCT NO:

1774

Overall Length: 10" (25,4 cm)



### PRODUCT NO'S:

1895-01 [Small]

Overall Length: 5" (12,7 cm)

Pads: .75" x .45" (19 mm x 12 mm)

1895-02 [Large]

Overall Length: 8.5" (21,6 cm)

Pads: 1.25" x 1" (32 mm x 25 mm)

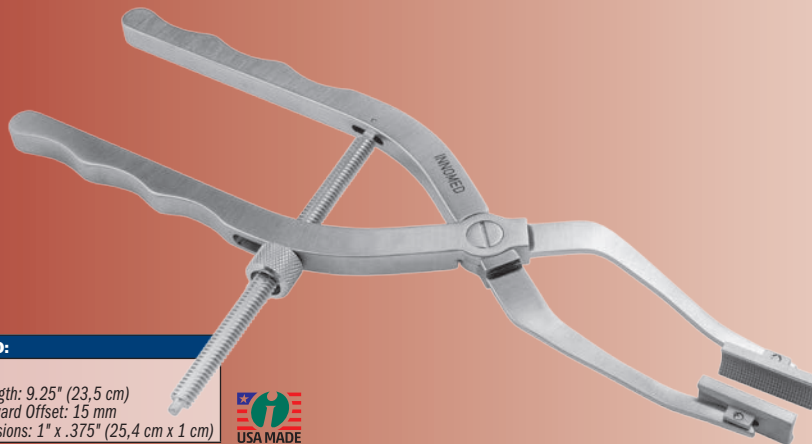


## Bargo Bone Holding Clamp

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. Available in two sizes, large and small, it has teeth in the jaws for a better grip and a ratchet locking handle for use on various bone diameters.



### 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.

- ▶ 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

## Radiolucent Small Bone Clamp

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

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

### PRODUCT NO:

1828

Overall Length: 7" (17,8 cm)





## 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*

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

### PRODUCT NO:

1379

Overall Length: 9.25" to 11.5" (23,5 to 29,2 cm)  
Maximum Bone Diameter: ~ 35 mm



## 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)



*New!*



## 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)

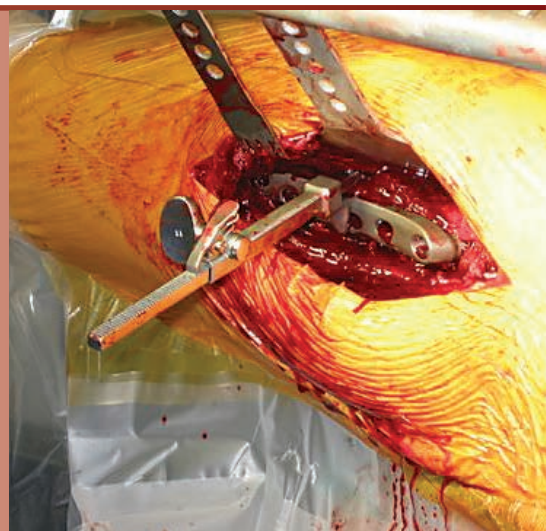
Jaw opens to: 3.5" (8,9 cm)

1868 [Small]

Overall Length: 8.5" (21,6 cm)

Jaw opens to: 3.75" (9,5 cm)

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GERMANY

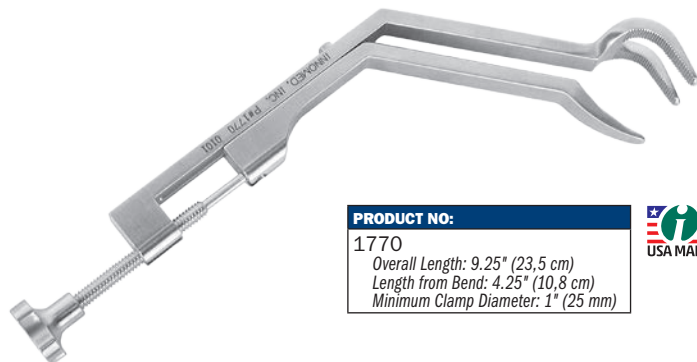


## Angled Lowman-Type Bone Clamp

Designed by John J. McLeod, Jr., MD

*Angled for easier insertion of the jaws around the bone*

The offset distance between the jaws and handle of the clamp allow space for free and easy access to use a drill or screwdriver. The angled clamp and more-open and thinner jaws facilitate easier use in deep incisions. The angled shaft also acts as a self-retaining retractor. The tightening handle is scalloped to lessen slippage when tightening or untightening.



### PRODUCT NO:

1770

Overall Length: 9.25" (23,5 cm)

Length from Bend: 4.25" (10,8 cm)

Minimum Clamp Diameter: 1" (25 mm)





## Periarticular Reduction Forceps

*Designed for reduction of intraarticular and periarticular fractures*

Pointed ball tips help provide a secure hold in the bone despite minimal contact. Three sizes available.

### PRODUCT NO'S:

#### 1856-01 [Small]

Overall Length: 11" (27,95 cm)  
Width @ Tips Parallel: 7.25" (18,4 cm)  
Maximum Jaw Opening @ Tips: 3.1" (7,9 cm)

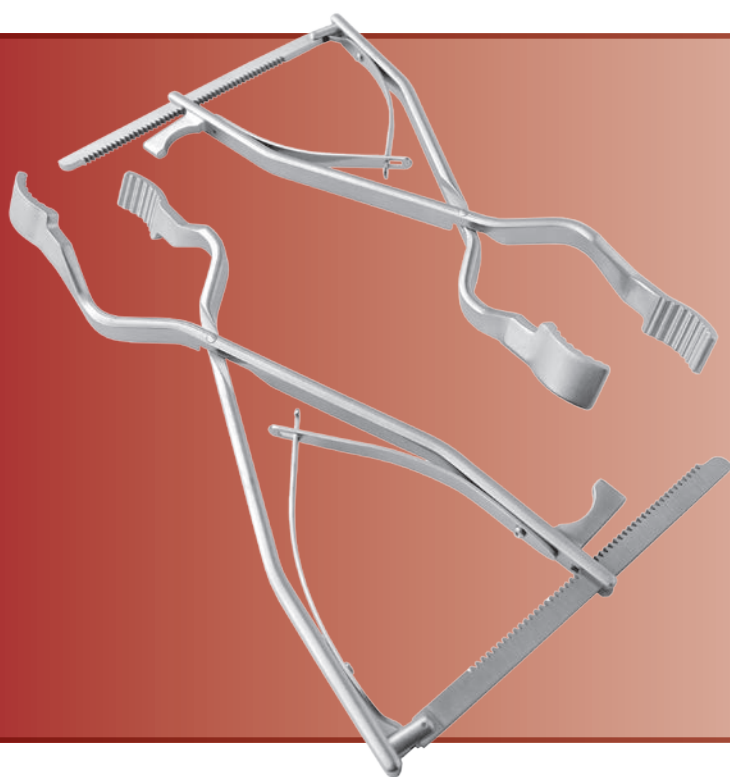
#### 1856 [Medium]

Overall Length: 14.75" (37,5 cm)  
Width @ Tips Parallel: 10.5" (26,7 cm)  
Maximum Jaw Opening @ Tips: 5.2" (13,2 cm)

#### 1857 [Large]

Overall Length: 16" (40,7 cm)  
Width @ Tips Parallel: 12" (30,5 cm)  
Maximum Jaw Opening @ Tips: 8" (20,3 cm)

**New!**



## Canestra 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.

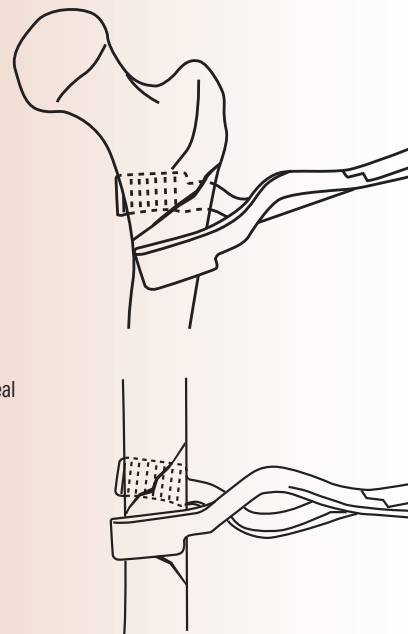
### PRODUCT NO'S:

#### 3860-L [Left]

Overall Length: 11.25" (28,6 cm)

#### 3860-R [Right]

Overall Length: 11.25" (28,6 cm)



## Vosburg Cannulated Periarticular Clamp

Designed by Caleb Vosburg, MD

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.

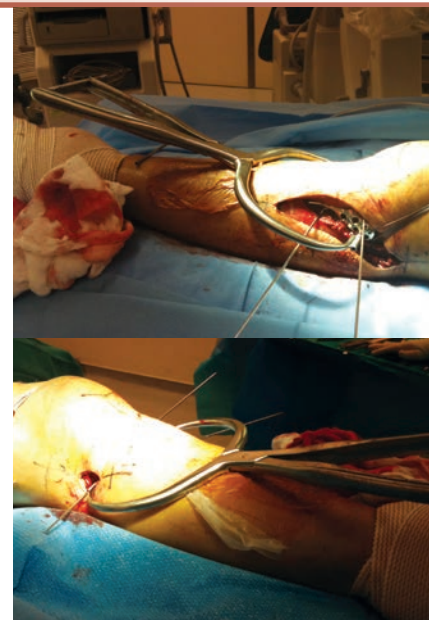
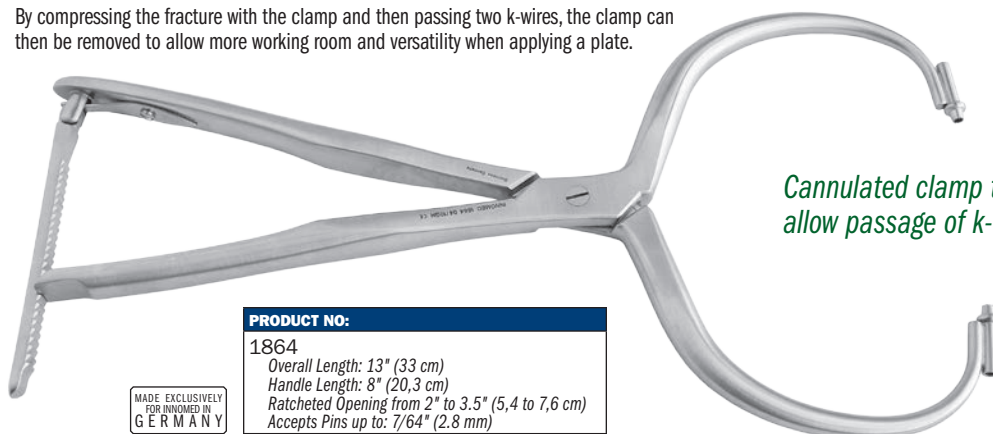
*Cannulated clamp tips allow passage of k-wires*

### 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)

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# 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

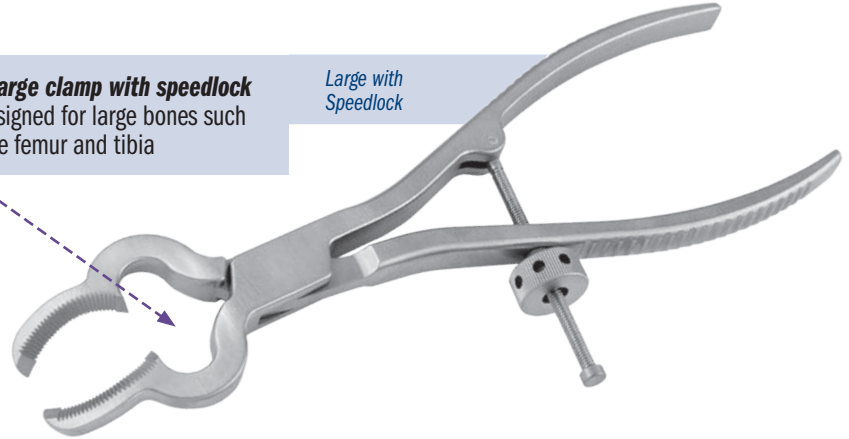
Standard



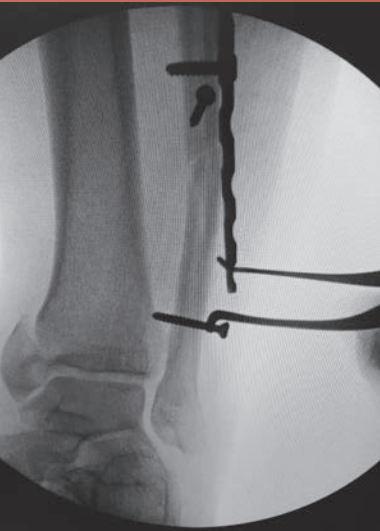
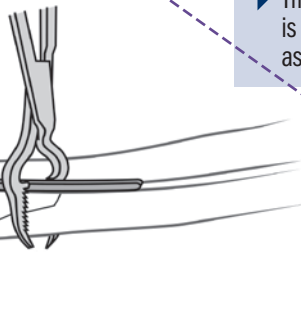
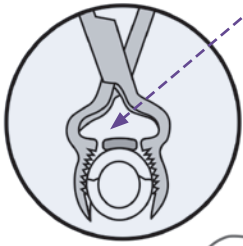
**New!**

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

Large with Speedlock



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



## Wixted Fracture Distractor

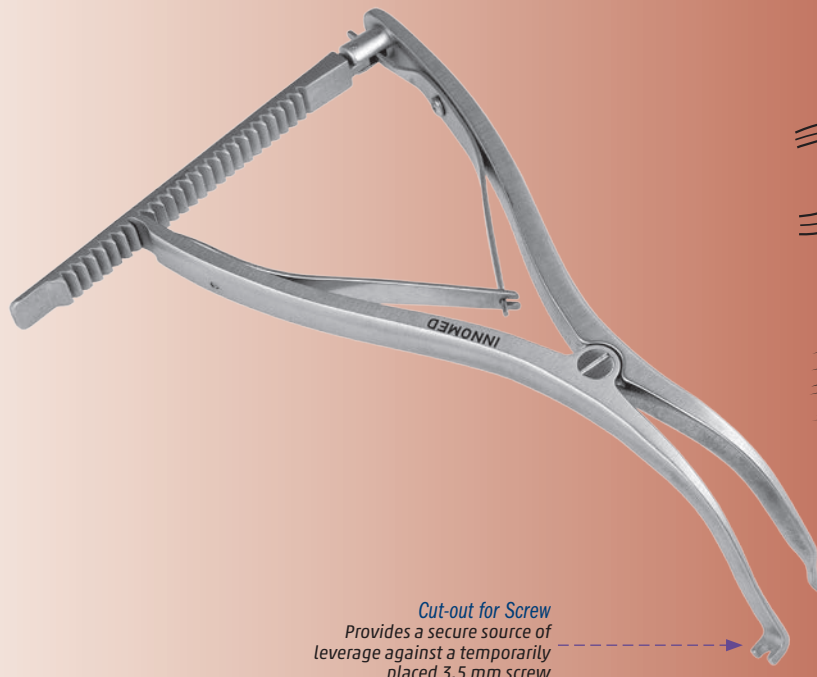
Designed by John J. Wixted, MD

*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*



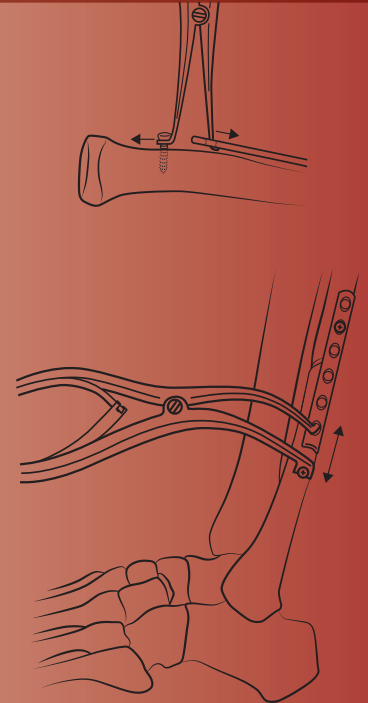
PRODUCT NO:	
1882	Overall Length: 7" (17,8 cm)

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



## Redler Wrist Bone Clamp with Wire Guide

Designed by M.R. Redler, MD



### PRODUCT NO'S:

1885-45

For Pins up to .045" (1.1 mm)  
Overall Length: 9.5" (24.1 cm)  
Jaw opens to: 3.5" (8.9 cm)

1885-62

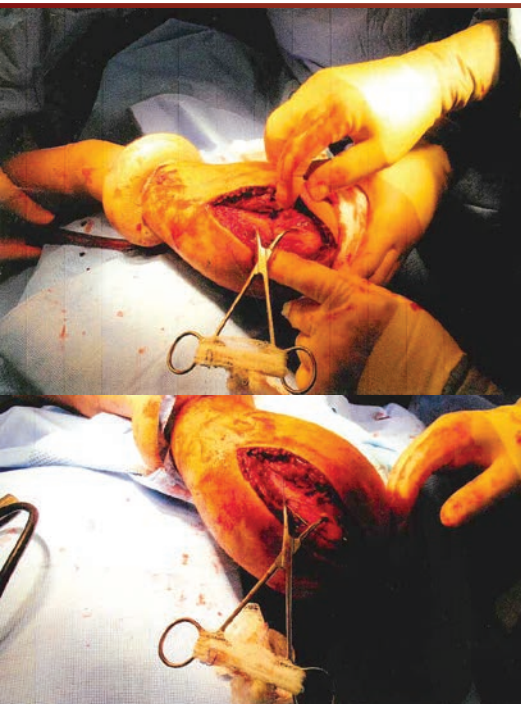
For Pins up to .062" (1.6 mm)  
Overall Length: 9.5" (24.1 cm)  
Jaw opens to: 3.5" (8.9 cm)

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

Designed to hold bony fragments in place for placement of guide wires



## Calvo Olecranon Reducing Forceps

Designed by Ignacio J. Calvo, MD

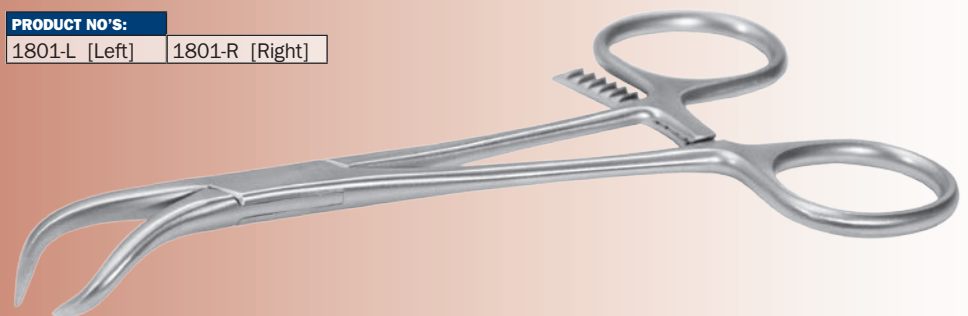
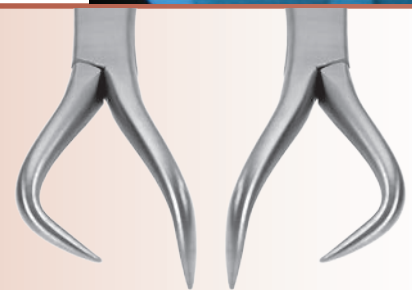
Designed to reduce and hold in place transverse fractures of the olecranon to facilitate the insertion of k-wires and tension bands

Also very useful in malleolus fractures.

### PRODUCT NO'S:

1801-L [Left]

1801-R [Right]



Designed by Khaled M. Sarraf, MD

### PRODUCT NO:

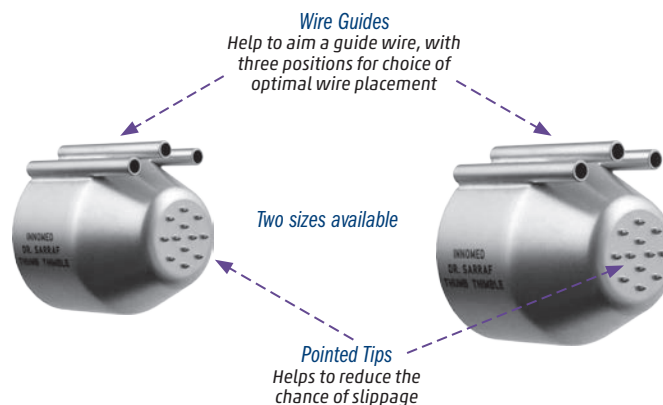
2290 [22 mm]  
Overall Length: 1.185" (3 cm)

2291 [26 mm]  
Overall Length: 1.185" (3 cm)



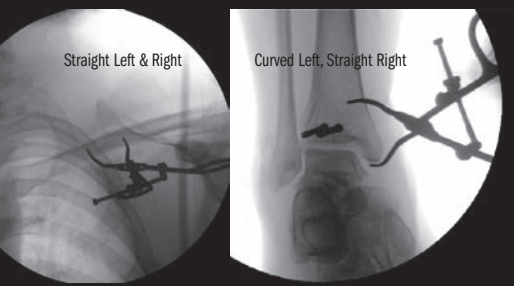
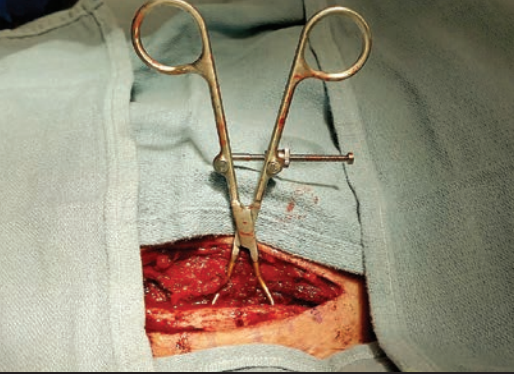
## Sarraf Fracture Reduction Thimble

Helps to hold bone fragments in place during fixation



Provides the surgeon with an instrument for maintaining a fracture fragment in the appropriately reduced position during application of K-wires. Helpful in osteoporotic bone that is not amiable to forced reduction using reduction clamps. The wire guides help to aim the K-wire, with three positions for choice of optimal placement and for parallel wire placement. The pointed tips at the end of the thimble help to reduce the chance of slippage while maintaining a fracture reduction.





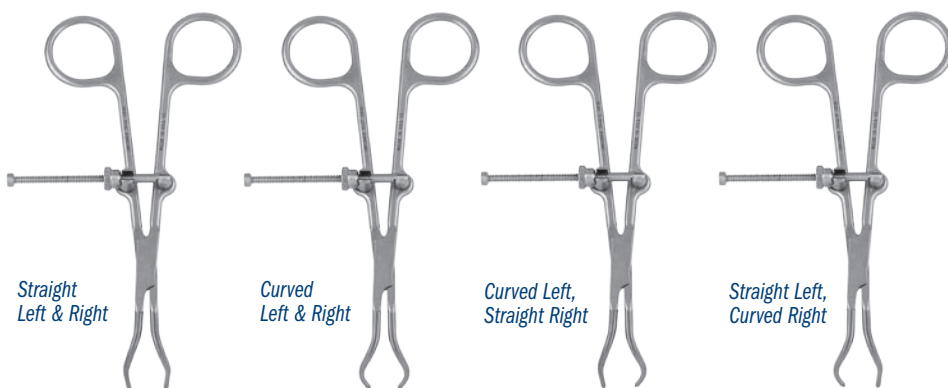
Ratchet guide rotates for increased range of jaw opening, and is open-topped to allow quick release



## 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
- ▶ Extra-long spin down allows for increased range of clamp use
- ▶ 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.

### PRODUCT NO'S:

3666 [Straight Left & Right] Overall Length: 5.5" (14 cm)	3666-L [Curved Left, Straight Right] Overall Length: 5.5" (14 cm)
3667 [Curved Left & Right] Overall Length: 5.5" (14 cm)	3666-R [Straight Left, Curved Right] Overall Length: 5.5" (14 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)



## Fracture Reduction Pick

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

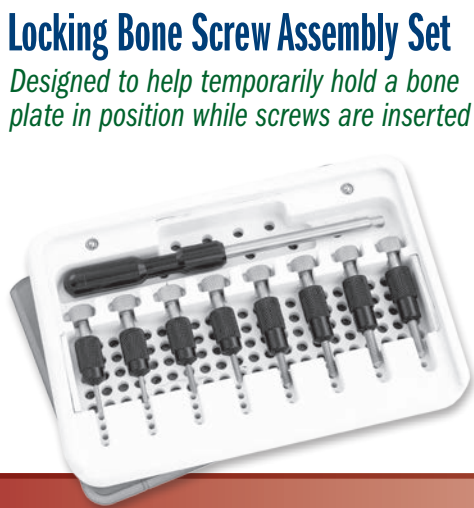
### PRODUCT NO:

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



## Locking Bone Screw Assembly Set

Designed to help temporarily hold a bone plate in position while screws are inserted



PRODUCT NO'S:	
8270-00	[Set with Case]
<b>Also sold individually:</b>	
8270-2.0	[Locking Bone Screw – 2.0 mm] Overall Length: 1.7" (43 mm)
8270-2.7	[Locking Bone Screw – 2.7 mm] Overall Length: 1.7" (43 mm)
8270-3.5	[Locking Bone Screw – 3.5 mm] Overall Length: 1.94" (49 mm)
8270-4.5	[Locking Bone Screw – 4.5 mm] Overall Length: 1.94" (49 mm)
8270-HS	[Hex Screwdriver] Overall Length: 5" (12.7 cm)
8270-CASE	[Case] Dimensions: 6" x 4" x .8" (15.2 cm x 10.2 cm x 20.4 cm)

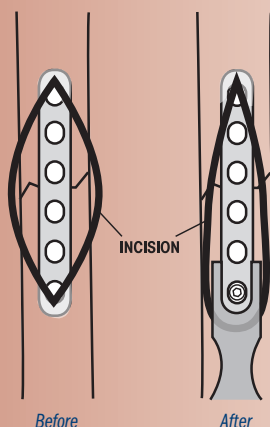
Set includes (2) of each size Locking Bone Screws, (1) Hex Screwdriver, and (1) Case.



**New!**



PRODUCT NO:	
1766	
Overall Length: 8.75" (22.2 cm)	
Deep Depth: 45 mm	
Deep Internal Width: 14 mm	
Shallow Depth: 25 mm	
Shallow Internal Width: 12 mm	



## Vaughan Endzone Retractor

Designed by Roderick Vaughan, MD

Designed for use when placing the end screws while plating a fracture using a minimally invasive technique

The "U"-shaped wall design helps allow the maximal exposure along the length, or "endzone", of an incision while maintaining adequate width and retraction along the sides of the exposure.



## 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)	

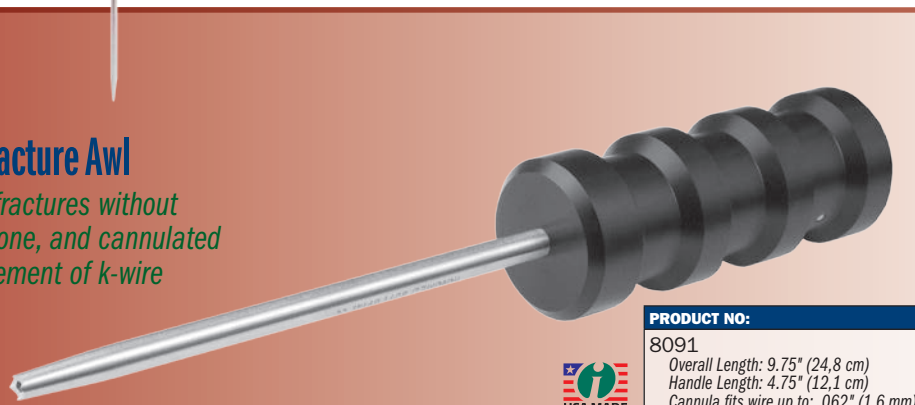


**New!**

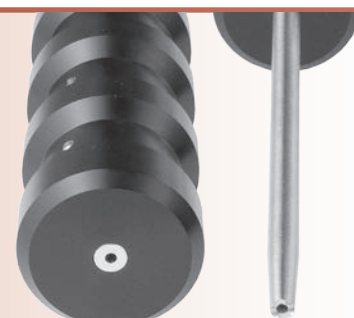


## Cannulated Fracture Awl

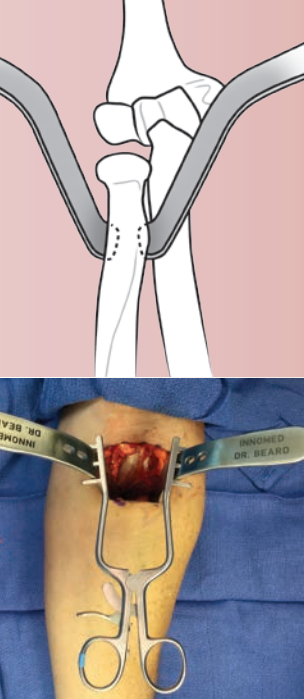
Helps to reduce fractures without slipping off the bone, and cannulated to allow the placement of k-wire



PRODUCT NO:	
8091	
Overall Length: 9.75" (24.8 cm)	
Handle Length: 4.75" (12.1 cm)	
Cannula fits wire up to: .062" (1.6 mm)	



*Cannulated!*



## 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.

Sold as a set, or available individually for replacement.

### PRODUCT NO'S:

5834-00 [Set – Retractor & Two Blades]

Available Individually:

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

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



## Lateral Condyle Fracture Set

Designed by Carl R. Weinert, MD

*Designed for adult and pediatric lateral condyle fractures*

The asymmetric clamps (1756-L & 1756-R) are shaped to secure the lateral condyle fragment. The straight tip is placed in the coronoid fossa and the curved tip is used to grasp and compress the lateral condyle fragment. The symmetric reduction clamp (1755) is useful to compress T-condylar fractures, and in many other fracture reduction applications.

### PRODUCT NO'S:

4697-00 [Set with Case]

Set Includes:

1755 [Clamp – Symmetric]  
Overall Length: 8.5" (21,6 cm)  
Jaw opens to: 3" (7,6 cm)

1756-L [Clamp – Asymmetric Left]  
Overall Length: 8.75" (22,2 cm)

1756-R [Clamp – Asymmetric Right]  
Overall Length: 8.75" (22,2 cm)

4697 [Elbow Retractor]  
Overall Length: 6.5" (16,5 cm)  
Blade Width: 1" (2,54 cm)

1015 [Sterilization Case]  
Dimensions: 11.25" x 7.125" x 3.125"  
(28,6 cm x 18,1 cm x 7,9 cm)



## Weinert Elbow Retractor

*Designed for use within the elbow joint to retract the anterior capsule, and provide full exposure of the anterior articular surface for reduction and fixation of displaced lateral condyle fractures*

The small blunt tip hooks over the intact medial condyle.

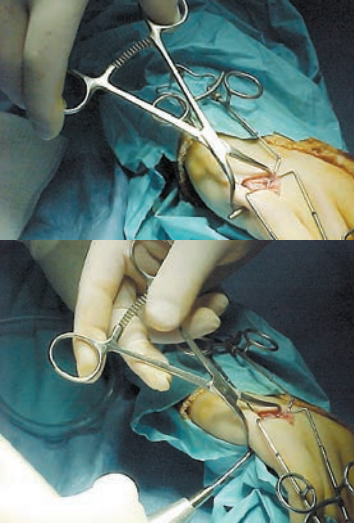
## Weinert Bone Holding Reduction Clamps

*Designed to securely hold fracture reductions*

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







## 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)



Designed by M.R. Redler, MD

## Chang Pin Clamp

Designed by Win Chang, MD

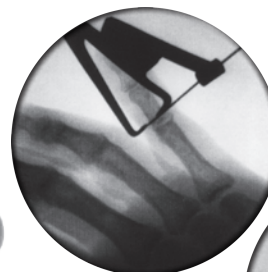
*Designed to allow accurate insertion of pins for internal fixation*

Used for small bones, the clamp allows accurate insertion of pins for internal fixation. The cannula has a 1.8 mm internal diameter.

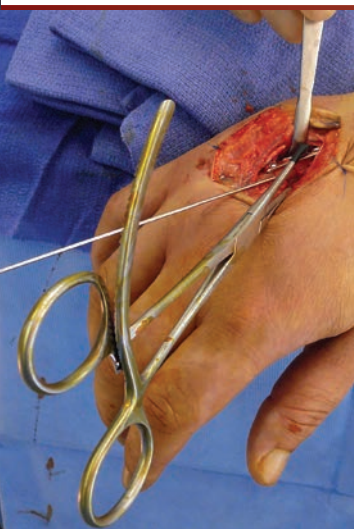
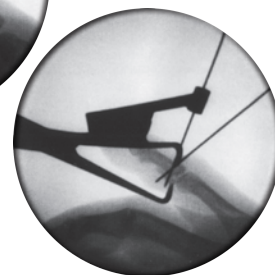
### PRODUCT NO:

1760-01
Cannula Internal Diameter: 1.8 mm
Overall Length: 6" (15,2 cm)
Locking Ratchet Opens To: 25 mm

MADE EXCLUSIVELY  
FOR INNOVED IN  
GERMANY



(Prototype used in  
X-ray images)



## Coated Allis Bone Clamps

*A traditional Allis Bone Clamp designed with a longer ratchet—for a wider opening to allow a bone and plate to be clamped and locked onto—and coated end(s) to prevent from marring a component surface*

### PRODUCT NO'S:

1381. [Single Coated End]
Overall Length: 6.125" (15,9 cm)
Ratcheted Clamp Opens to: 35 mm
Non-coated-end Width: 4 mm
1382 [Double Coated Ends]
Overall Length: 6.125" (15,9 cm)
Ratcheted Clamp Opens to: 35 mm
Non-coated-end Width: 4 mm

Modification of design  
by Charles T. Resnick MD



## Resnick Allis Bone Clamp

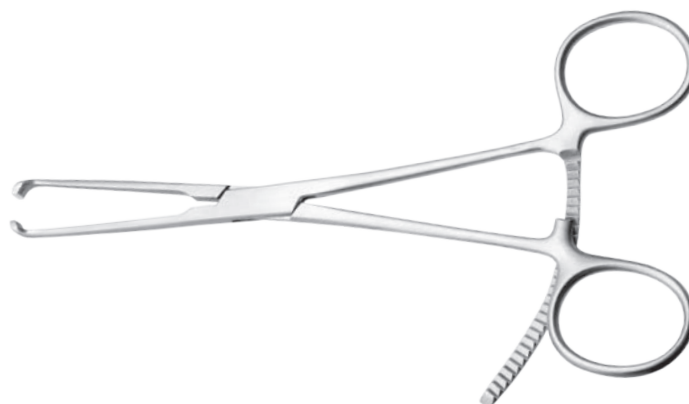
Designed by Charles T. Resnick MD

*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

MADE EXCLUSIVELY  
FOR INNOVED IN  
GERMANY



## 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)

MADE EXCLUSIVELY FOR INNOMED IN SWITZERLAND

## Bush Small Bone Reduction Forceps

Designed by Andrew P. Bush, MD

*Designed to help hold a small bone or bone plate in position for reduction and fixation*

Opens to approximately .5" (13 mm).



### PRODUCT NO'S:

1889 [Single]

Overall Length: 4.5" (11,4 cm)

Jaw Width: .15" (3,7 mm)

1888 [Double]

Overall Length: 4.5" (11,4 cm)

Jaw Width: .7" (17,7 mm)

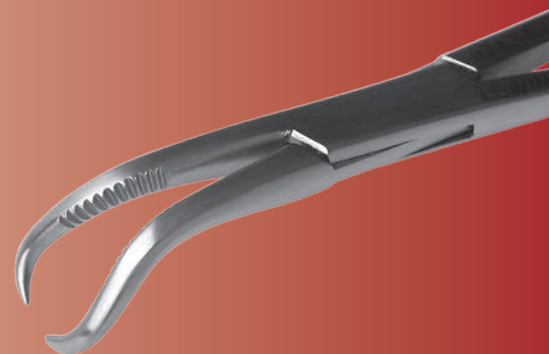


## Lewin Small Bone Clamp

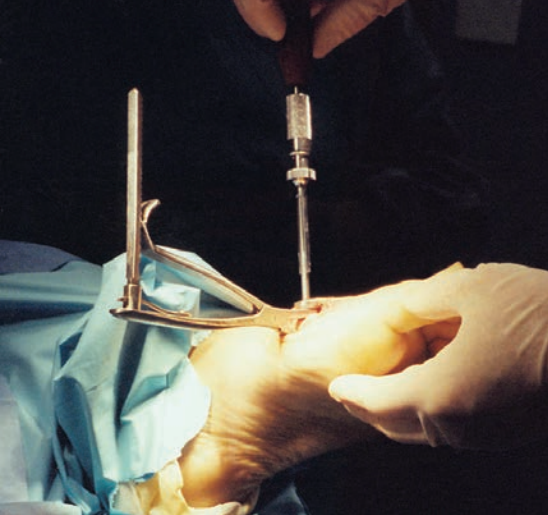
### PRODUCT NO:

4685

Overall Length: 5" (12,7 cm)







## 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)

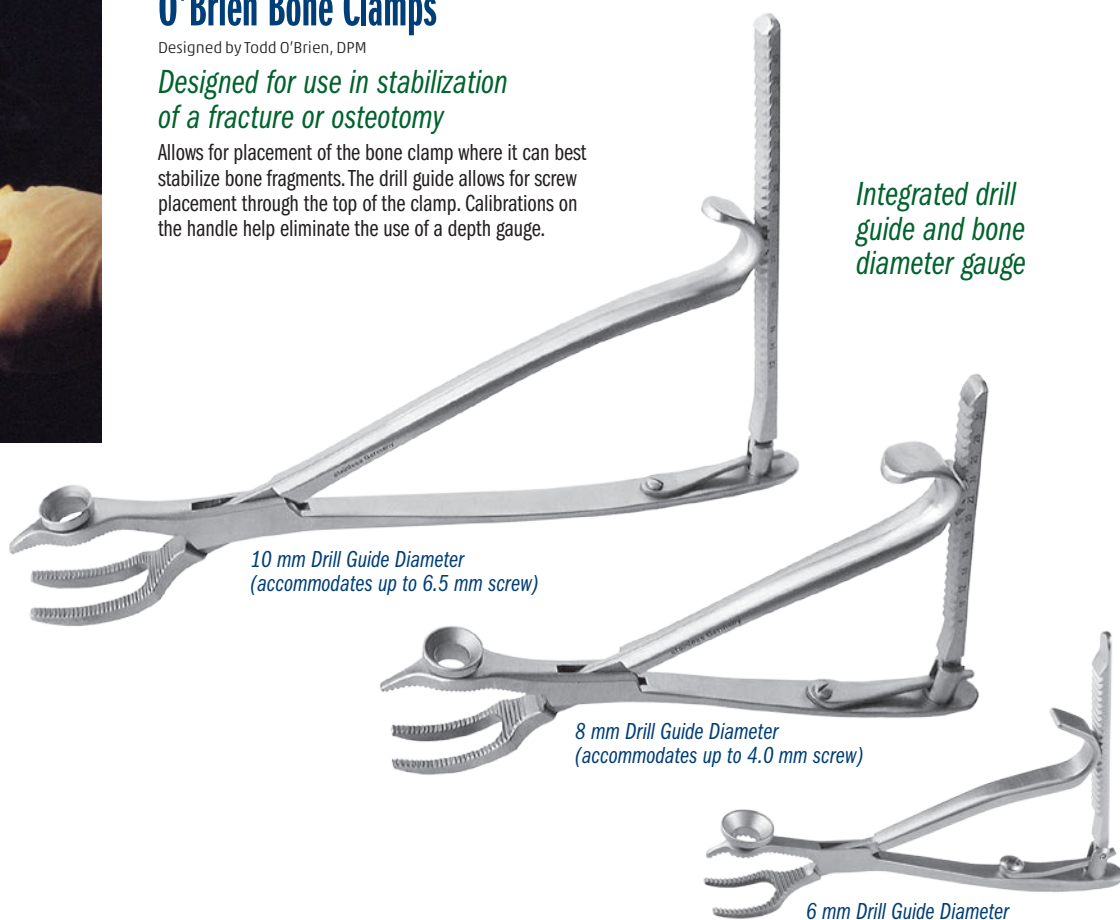
#### 1890-01 [Small]

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)

MADE EXCLUSIVELY  
FOR INNOVEM IN  
GERMANY



## Powers Modified Kocher Clamps

Designed by Mark Powers, MD

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



*Tapered Jaw*

*Square Jaw*

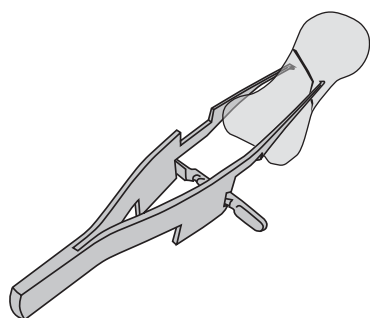
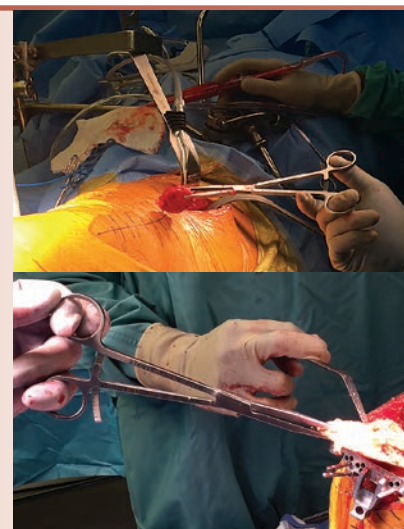
### PRODUCT NO'S:

#### 1813 [Tapered Jaw]

Overall Length: 8.25" (21 cm)  
Law Length: 2.5" (6.4 cm)

#### 1814 [Square Jaw]

Overall Length: 8.25" (21 cm)  
Law Length: 2.5" (6.4 cm)



## Balfour Locking Adson Forceps

Designed by George Balfour, MD

*A modified adson forceps designed with a locking ratchet to hold the forceps closed around a small bone fracture*

### PRODUCT NO:

2016

Overall Length: 4.375 (11.1 cm)





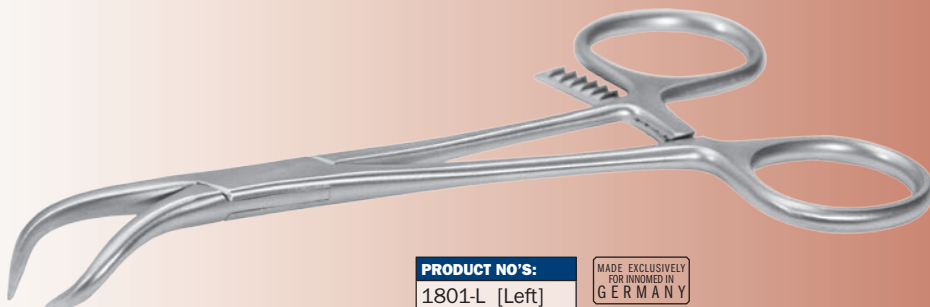


## Calvo Medial Malleolus Fracture Clamp

Designed by Ignacio Calvo, MD

*Designed to reduce and hold a displaced medial malleolus fracture*

Also very useful in olecranon fractures.

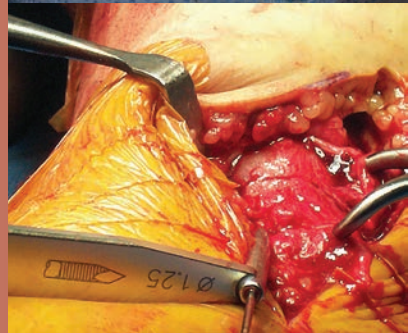


### PRODUCT NO'S:

1801-L [Left]

1801-R [Right]

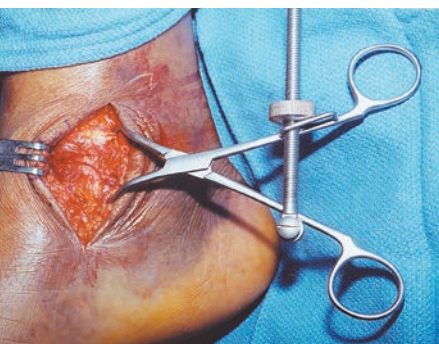
MADE EXCLUSIVELY  
FOR INNOMED IN  
GERMANY



## Medial Malleolar/Bone Fragment Clamps

Designed by Edward L. Sclamborg, MD

*Quick tightening & release low profile clamp with unlimited settings*



### PRODUCT NO'S:

1840 [Large]

Overall Length: 8" (20,3 cm)

Clamp End Length: 3"

1835 [Medium]

Overall Length: 6" (15,2 cm)

Clamp End Length: 2"

1830 [Standard]

Overall Length: 5.5" (14 cm)

Clamp End Length: 1"

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FOR INNOMED IN  
GERMANY



## Teurlings Medial Malleolar Clamp with Wire Guide

Designed by Luc Teurlings, MD

*Helps to stabilize the medial malleolar fragment during internal fixation*

### PRODUCT NO:

1803

Cannula Diameter: .062" (1.6 mm)

Overall Length: 5.25" (13,3 cm)

MADE EXCLUSIVELY  
FOR INNOMED IN  
GERMANY



## 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*



**New!**

### 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



## Malleable Bone Tamps

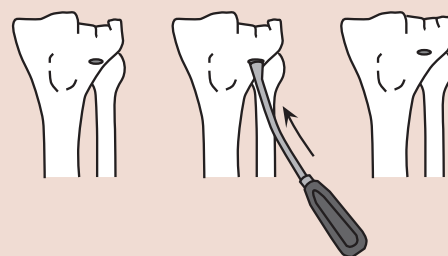
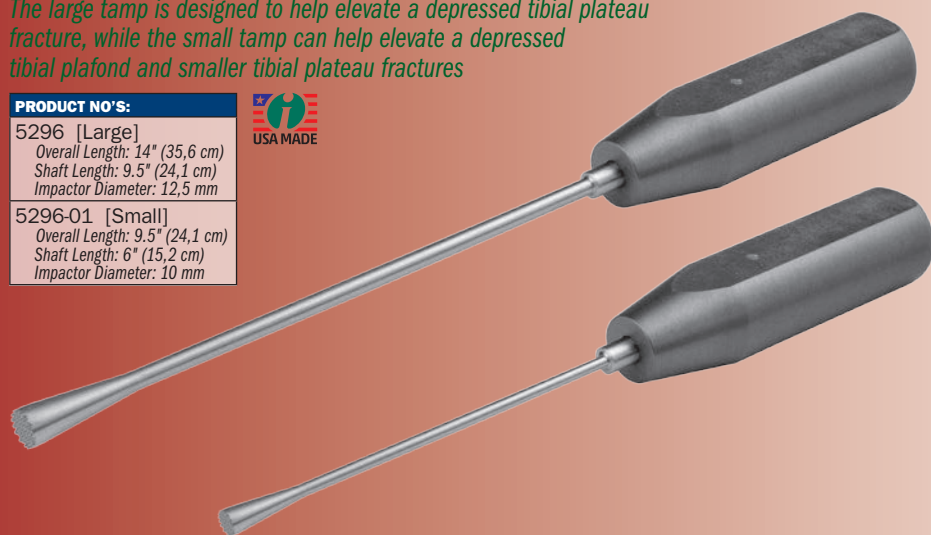
Modified by Serge Kaska, MD

*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*

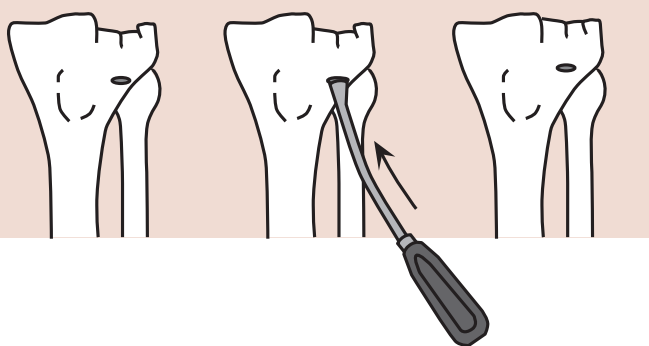
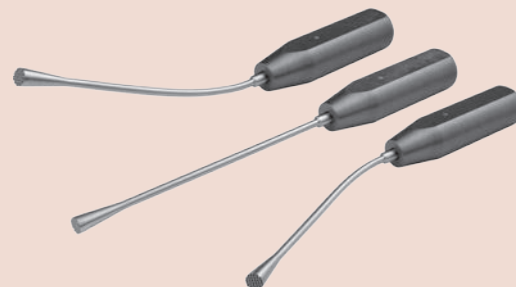
### PRODUCT NO'S:

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



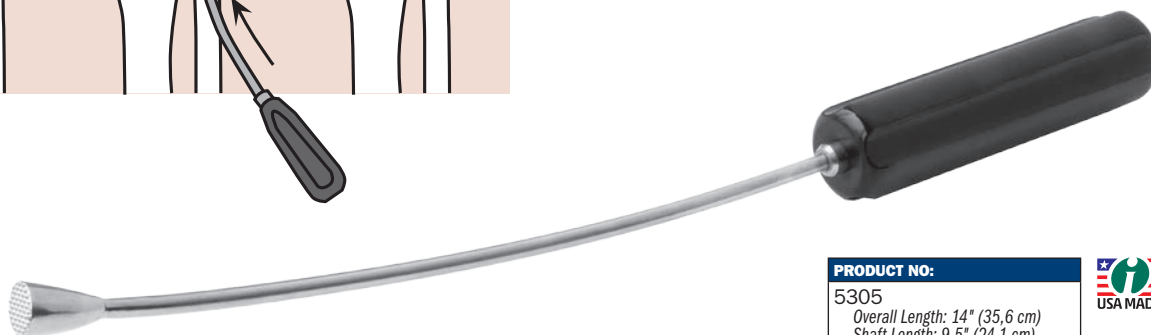
*Malleable shaft can be contoured for different angles*



## 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")



## Lower Extremity Leg Positioner

Designed by Ronald Romanelli, MD

Also well suited for use with ankle fractures. Supplied with one autoclavable silicone pad. Positioner is radiolucent and gas or steam sterilizable.

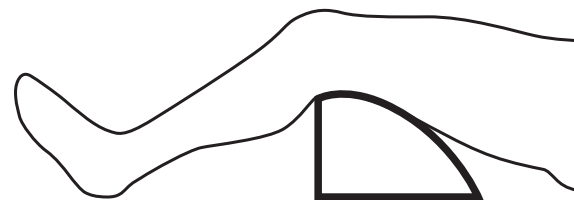
### PRODUCT NO'S:

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]



*Designed to lift the knee for lower extremity casting applications*



## 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)



## Cherf Cast Stand

Designed by John Cherf, MD

*Assists in applying short leg casts*

Designed to assist in applying short leg casts, the adjustable height permits optimal leg position for the seated patient and helps insure the application of a cast with the foot/ankle at 90 degrees to the leg. The foot is placed on the tongue of the stand. Stockinette is pulled over the foot and tongue. Cast padding and plaster/fiberglass is used in a routine fashion. The cast stand is slipped forward disengaging the foot after the cast has hardened.

### PRODUCT NO:

2040

Base: 18.5" x 14.5" (47 cm x 36,9 cm)  
Height: Adjusts from 14" to 23.75" (35,6 cm to 55,3 cm)  
Foot Rest: 11" x 1.75" (27,9 cm x 4,4 cm)







## 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.

### PRODUCT NO'S:

0007 [Jackson Traction Device]

*This product number includes (1) #0008 Disposable Sterile Kit*

### Sold Separately:

0008 [Disposable Sterile Kit]

*Kit Includes: (1) Impervious Stockinette and (1) 11 ft. Traction rope*

0008-CASE [Case of Disposable Sterile Kits] Pkg of 10



Shown with  
Disposable  
Sterile Kit  
(weight not included)



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

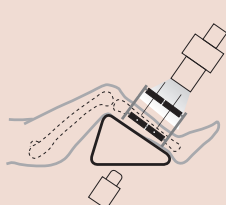
*Used for femur and tibia positioning during nailing, repairs and fractures*

Designed by S.E. Fromm, MD \*

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

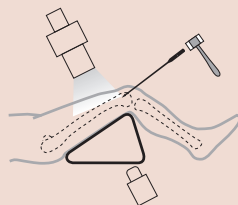


Designed to position and hold the femur and tibia during intramedullary nailing of the tibia, ligament repairs and extremity fractures. Allows knee to be flexed greater than 90° to allow reaming and nail insertion without displacing fracture. The triangles are available in four heights: 8.5", 11", 14", 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.



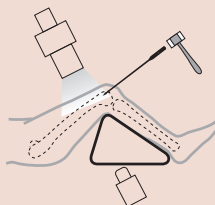
### Tibia Reduced For:

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

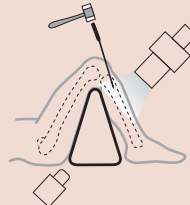


### Retrograde Femoral Nailing

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.



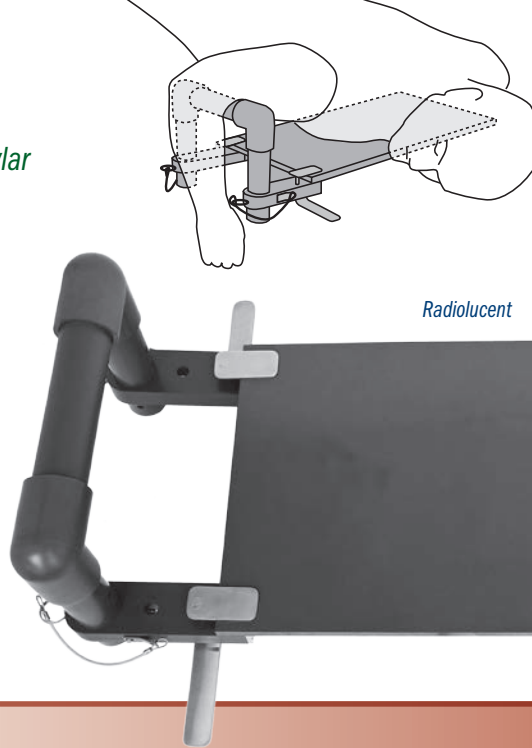
# Distal Humerus Fracture Board

Designed by Burk Young, MD

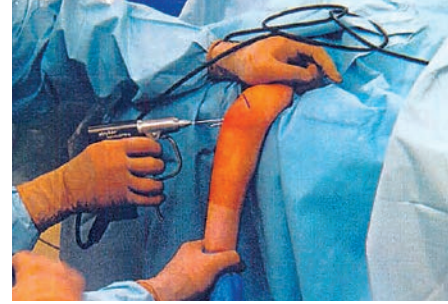
*Designed for the pinning of pediatric supracondylar and adult distal humerus fractures*

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.

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]



Radiolucent



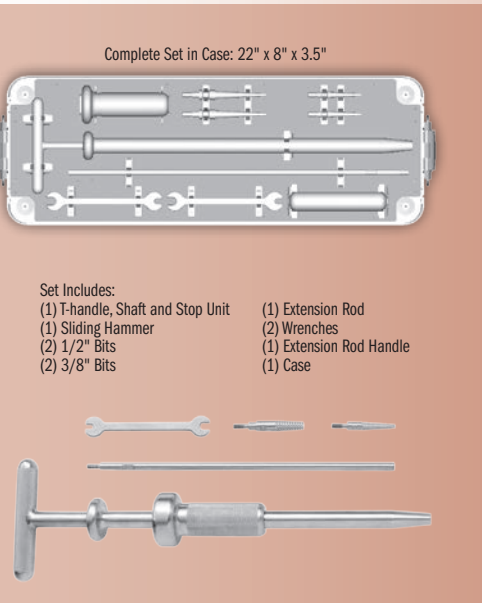
Optional Adult Adapter

# Intramedullary Nail Extractor

Designed by Gary L. Kerns, RT(R)

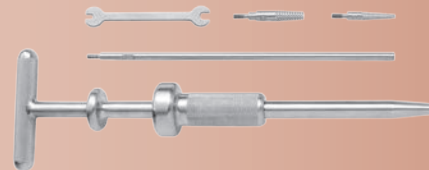
*Helps remove broken intramedullary nails from long bone*

Designed to remove broken intramedullary nails from long bone. It will also remove IM nails with stripped threads, or threads that are difficult to access. It will remove both fluted or non-fluted nails as long as they are cannulated. Removal bits should be discarded after each use.



Complete Set in Case: 22" x 8" x 3.5"

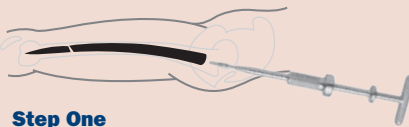
- Set Includes:
- (1) T-handle, Shaft and Stop Unit
  - (1) Sliding Hammer
  - (2) 1/2" Bits
  - (2) 3/8" Bits
  - (1) Extension Rod
  - (2) Wrenches
  - (1) Extension Rod Handle
  - (1) Case



PRODUCT NO'S:
8730 [Complete Set]
Replacement Parts:
8730-01 3/8" Diameter Removal Bit
8730-02 1/2" Diameter Removal Bit

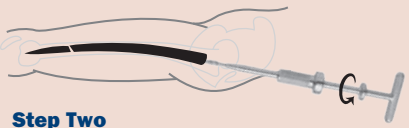


## Procedure: Removing A Broken Intramedullary Nail



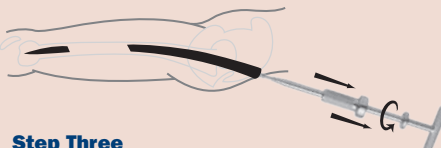
### Step One

Expose the greater trochanter and insert the larger extraction bit under fluoroscopy. Turn the T-handle counter-clockwise until the extraction bit is firmly seated within the IM Nail. If the proximal screw or screws do not allow good purchase on the IM Nail, remove them before tightening.



### Step Two

Once the bit is firmly in place, remove the proximal screws if this has not already been done.



### Step Three

While holding the T-handle with one hand, take the sliding slap hammer with the other hand and strike the welded stopper plate several times for complete removal. It is important to maintain continuous counter-clockwise torque on the T-handle until the nail is removed.



### Step Four

After removal of the broken portion of the nail, it may be helpful to ream the femoral shaft. This will ensure the fragments and debris will not inhibit the removal of the distal broken portion of nail.



### Step Five

Manipulate the screwdriver handle, extension rod and smaller extraction bit through the femoral shaft. Under fluoroscopy, guide the extraction bit into the hollow broken nail. Turn the screwdriver handle counter-clockwise until the bit is seated firmly in place. Remove the distal screws.



### Step Six

While maintaining continuous counter-clockwise torque on the screwdriver, pull back to remove the distal portion of the nail. If the nail does not come out easily, remove the screwdriver handle from the extension rod and attach the T-handled slap hammer. Repeat step three.

## Offset Punches

*Helps in the removal of hip stems*

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



### PRODUCT NO'S:

5125-02 [Large Offset]  
Overall Length: 11" (27,9 cm)  
Punch End Offset: 32 mm  
Punch End Diameter: 7 mm

5125-01 [Small Offset]  
Overall Length: 11" (27,9 cm)  
Punch End Offset: 13 mm  
Punch End Diameter: 7 mm



Handle Ends



Pusher End

## Wubben Guide Rod Pusher

Designed by Robert Wubben, MD

*Used to help hold the guide rod in place during intramedullary nailing of a long bone*

The surgeon can initially use the concave end of the handle to hold the guide rod in place. As the reamer is retracted to the end of the guide rod, the shaft of the Pusher is used by inserting down the center hole of the drill, pushing on the guide and keeping it in the bone.

### PRODUCT NO:

5985  
Overall Length: 9" (22,9 cm)  
Pusher End Diameter: 3.3 mm  
Handle End Diameter: 10 mm



## 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 reamer-slotted version allows the shield to straddle a reamer shaft or drill bit, allowing the shield to be closer to the incision. The shield is autoclavable and gas sterilizable in a flat position.

### PRODUCT NO'S:

Shield Dimensions: 8" x 10.25" (20,3 cm x 26 cm) (not incl. handle)

8031-01 [Without Reamer Slot]

8033-01 [With Reamer Slot]





## 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



*New!*



## Stanton Bent Pin Removal Pliers

Designed by John Stanton, MD, FACS

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

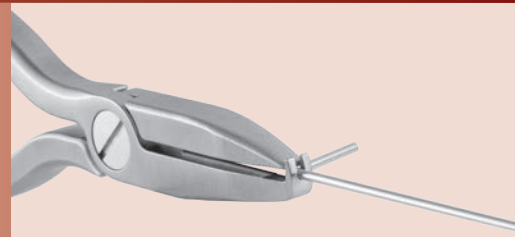
### PRODUCT NO:

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



## 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]

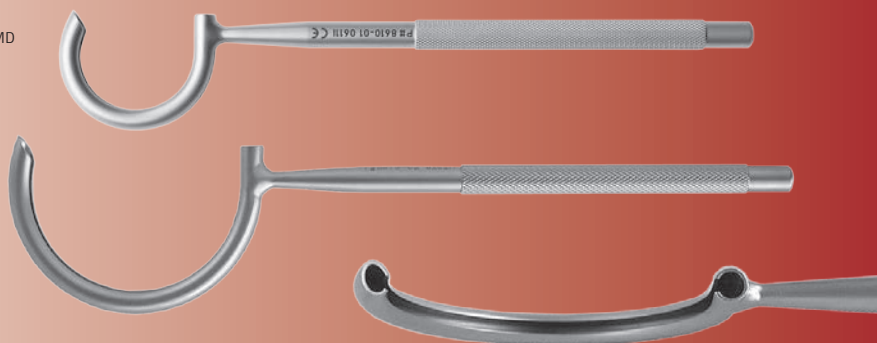
Overall Length: 7.5" (19,1 cm)

Accepts Wire Up To: 4 mm (5/32")

8610-02 [Large]

Overall Length: 8.675" (21,3 cm)

Accepts Wire Up To: 4 mm (5/32")

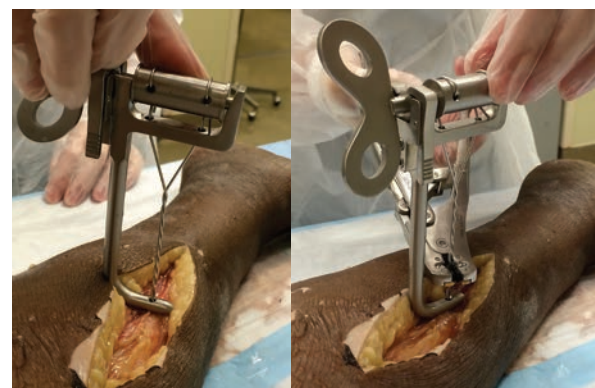




## Browner Wire Tightener

Designed by Bruce D. Browner, MD

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



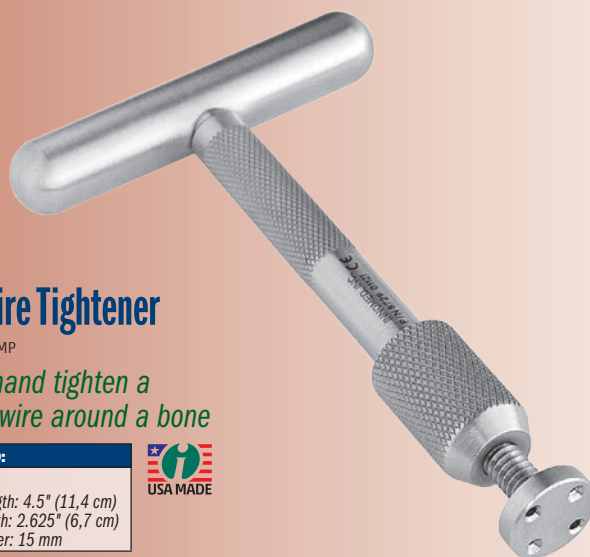
### PRODUCT NO:

8251

Overall Length: 6" (15,2 cm)

Width: 3.75" (9,5 cm)

Wire Hole Diameters: .125" (3,2 mm)



## DMP Wire Tightener

Designed by DMP

*Used to hand tighten a cerclage wire around a bone*

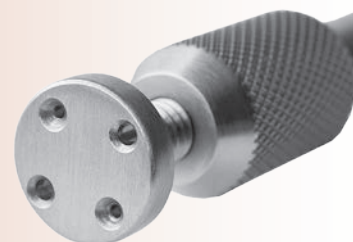
### PRODUCT NO:

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.*

## 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*



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

### PRODUCT NO'S:

8300-00 [Set]

**Also available individually:**

8300-01 [Passer Guide]

Overall Length: 8.125" (20,6 cm)

Outside Width: 9 mm

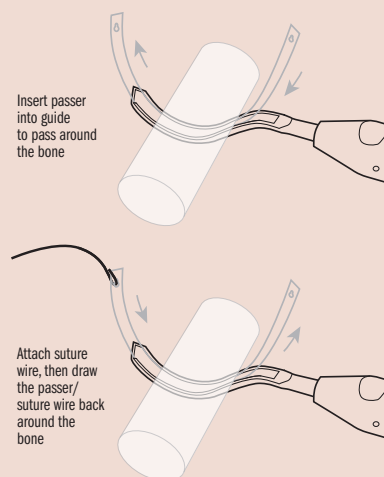
Inside Groove Width: 6,5 mm

8300-02 [Passer]

Overall Length: 7.5" (19,1 cm)

Width: 4,6 mm

Set includes Passer Guide and two Passers.

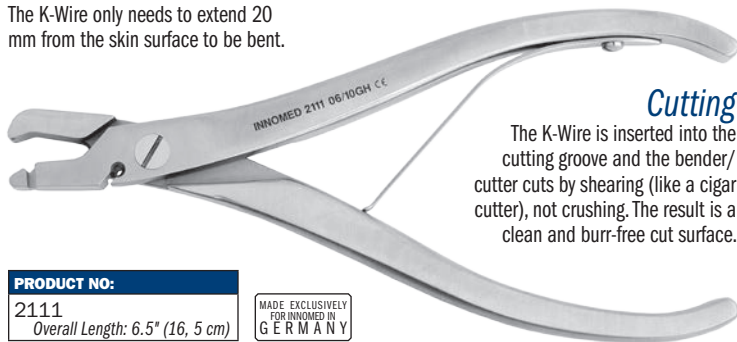


## K-Wire Bender/Cutter

*Designed to bend a K-Wire while extending from bone without applying mechanical strain*

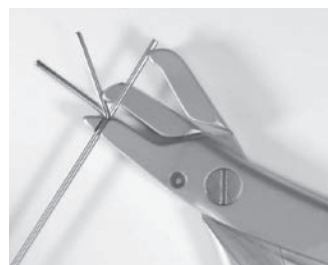
*Can bend and cut K-Wires measuring 1 to 1.6 mm (.039-.062") in diameter*

The K-Wire only needs to extend 20 mm from the skin surface to be bent.

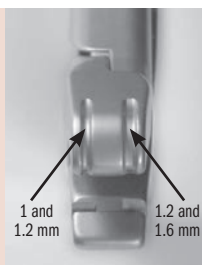


### Bending

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.



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.



### 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.



#### Bender/Cutter Cut

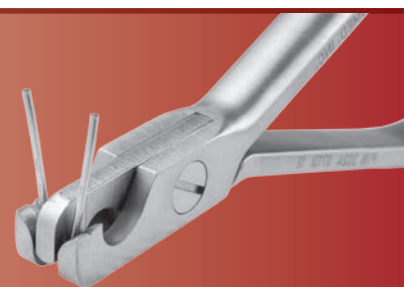
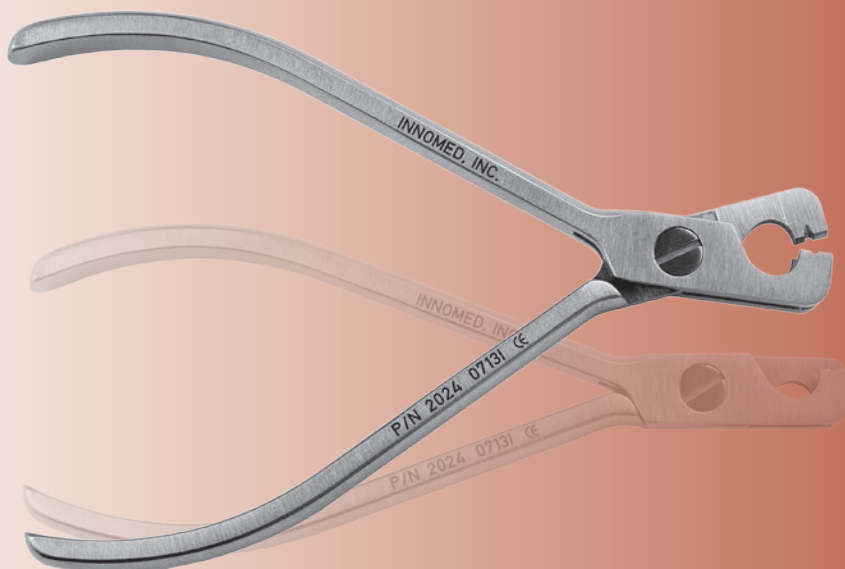
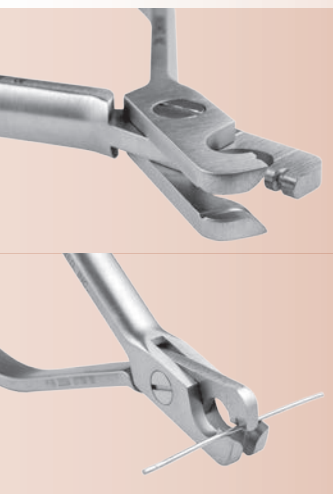


#### Standard Cut



## Wire Bender

*Designed to bend wire up to .062"/1.6 mm*



#### PRODUCT NO:

2024

Overall Length: 5.5" (14 cm)

## OrthoLucent™ Richardson-type Soft Tissue Retractor

Designed by Sean B. Kaminsky, MD

*Designed to help retract soft tissues for enhanced exposure*

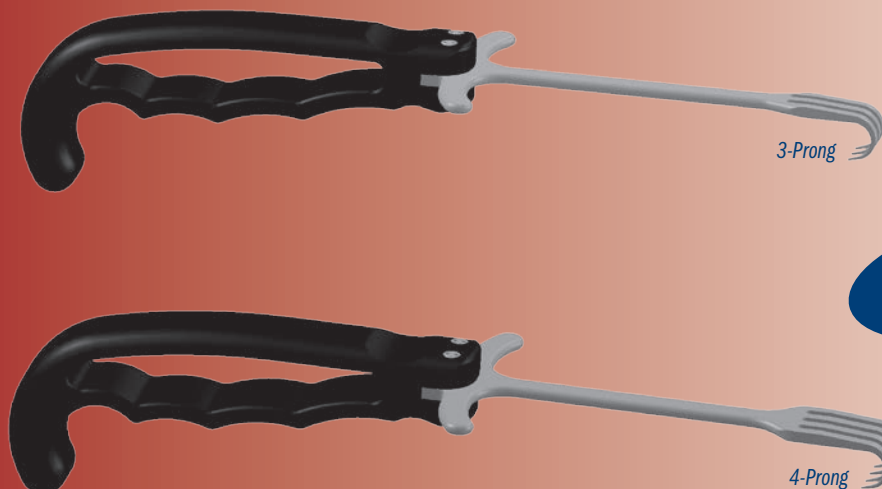
PRODUCT NO'S:	
3231-23R [23 mm] Overall Length: 13" (33 cm) Large Blade: 23 mm x 36 mm	3231-37R [37 mm] Overall Length: 13" (33 cm) Large Blade: 37 mm x 52 mm
3231-30R [30 mm] Overall Length: 13" (33 cm) Large Blade: 30 mm x 42 mm	3231-44R [44 mm] Overall Length: 13" (33 cm) Large Blade: 44 mm x 78 mm

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



Four sizes available





**New!**

## 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



## Wide Rake Retractors

*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)

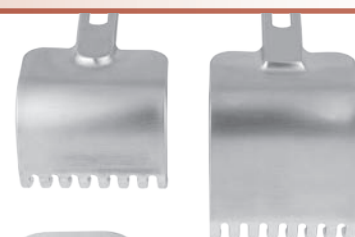
6052 [Deep, Blunt]  
Overall Length: 11.175 (28,3 cm)  
Blade Width: 2.375" (6 cm)  
Blade Depth: 2.75" (7 cm)

6053 [Shallow, Sharp]  
Overall Length: 11.175 (28,3 cm)  
Blade Width: 2.375" (6 cm)  
Blade Depth: 1.875" (4,8 cm)

6054 [Shallow, Blunt]  
Overall Length: 11.175 (28,3 cm)  
Blade Width: 2.375" (6 cm)  
Blade Depth: 1.875" (4,8 cm)



**New!**



## Modular Weights

*Weights can be used to help hold the retractors in place.*

### PRODUCT NO'S:

3430-01 1.5 lbs. (.68 kg)

3430-02 2.0 lbs. (.91 kg)

3430-03 2.5 lbs. (1.13 kg)  
with attaching hook



**New!**

## 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 [Large with Pin Guides]  
Overall Length: 9" (23 cm)  
Depth from Bend: 5.5" (14 cm)  
Blade Width: 32 mm  
Guide for Pins Up To: .15" (3,5 mm)



## Kaminsky OrthoLucent™ Browne-type Deltoid Retractors

Designed by Sean B. Kaminsky, MD

*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.

### PRODUCT NO'S:

1670-01R [Small]

Blade Width: 4,5 cm  
Overall Length: 10.5" (26,7 cm)

1670-02R [Large]

Blade Width: 5,4 cm  
Overall Length: 10.5" (26,7 cm)

MADE EXCLUSIVELY  
FOR INNOMED IN  
SWITZERLAND

Kaminsky  
Retractor

Completely radiolucent

## 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*

### PRODUCT NO:

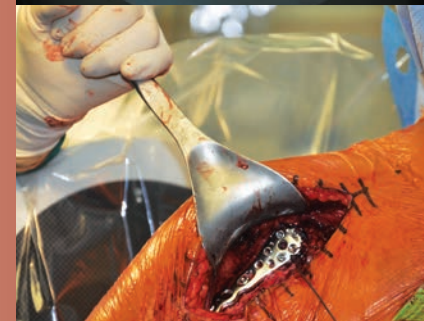
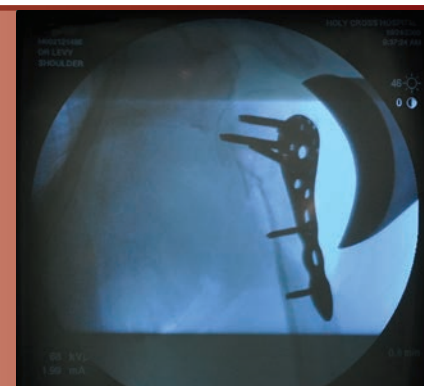
1672

Overall Length: 11.75" (29,8 cm)  
Blade at Widest: 2.5" (6,4 cm)  
Blade Depth: 1.375" (3,5 cm)



Patent Pending

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.



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



## 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™ 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 INNOVIMED IN  
SWITZERLAND

## 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

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SWITZERLAND



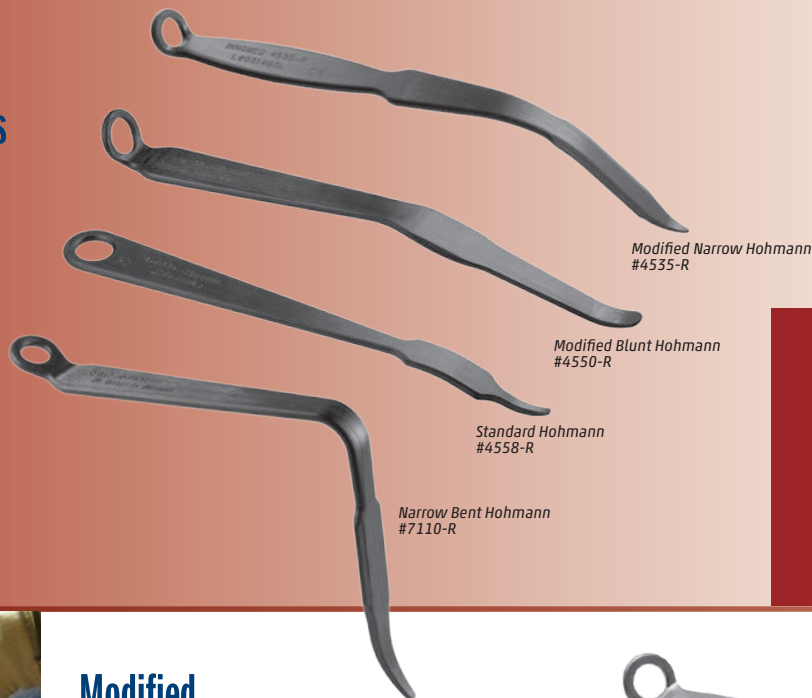
PCL Retractor  
#2820-R



Chandler Retractor  
#3220-02R



Cobra Retractor  
#6130-R



Modified Narrow Hohmann  
#4535-R

Modified Blunt Hohmann  
#4550-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.



### 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

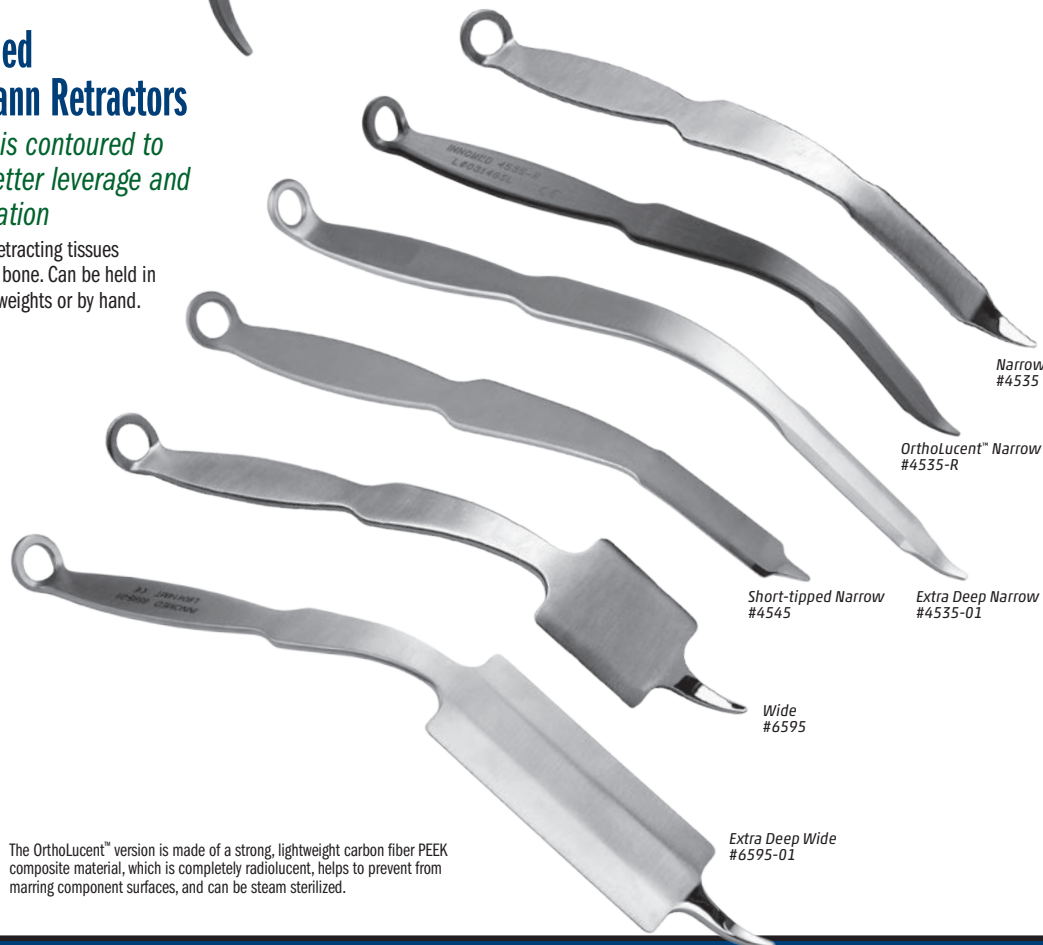
4535-01 [Extra Deep Narrow]  
Overall Length: 11.625" (29,5 cm)  
Blade Width: 16.4 mm

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™  
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FOR INNOVIMED IN  
SWITZERLAND



Narrow  
#4535

OrthoLucent™ Narrow  
#4535-R

Short-tipped Narrow  
#4545

Extra Deep Narrow  
#4535-01

Wide  
#6595

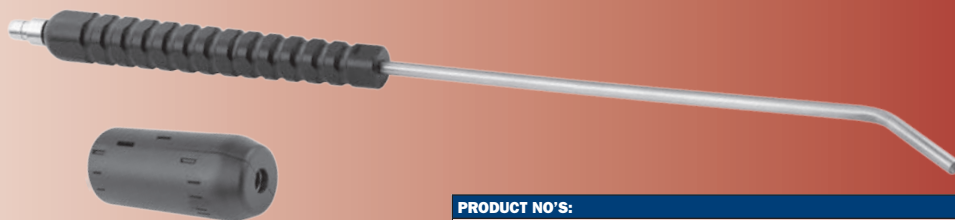
Extra Deep Wide  
#6595-01

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.



## LED Disposable Light Source and Reusable Light Wand Kit

Light wand designed for illumination of deep incisions – for use with the Innomed LED Disposable Light Source



**New!**

### PRODUCT NO'S:

8010-00 [Kit – Wand with Disposable LED Light Source]  
Overall Length: 2.5" (6,4 cm)  
Diameter: 1" (2,54 cm)

### Individual Product Numbers:

8010-01 [Disposable LED Light Source] — **Package of 1**  
Overall Length: 2.5" (6,4 cm)  
Diameter: 1" (2,54 cm)

8010-10 [Disposable LED Light Source] — **Package of 10**



### PRODUCT NO'S:

6120-L [Lighted Narrow Cobra]  
Overall Length: 11.75" (29,8 cm)  
Handle Length: 6.5" (16,5 cm)  
Blade Width: 19 mm

6130-L [Lighted Standard Cobra]  
Overall Length: 12" (30,5 cm)  
Handle Length: 7" (17,8 cm)  
Blade Width at Widest: 33 mm

6135-L [Lighted Deep Cobra]  
Overall Length: 14.5" (36,9 cm)  
Handle Length: 7" (17,8 cm)  
Blade Width at Widest: 33 mm

6255-L [Lighted Inferior Narrow]  
Overall Length: 12" (30,5 cm)  
Handle Length: 8" (20,3 cm)  
Blade Height Above Prongs: 3.25" (83 mm)  
Blade Width: 32 mm  
Prong Width: 5.1 mm | 9.7 mm | 5.1 mm

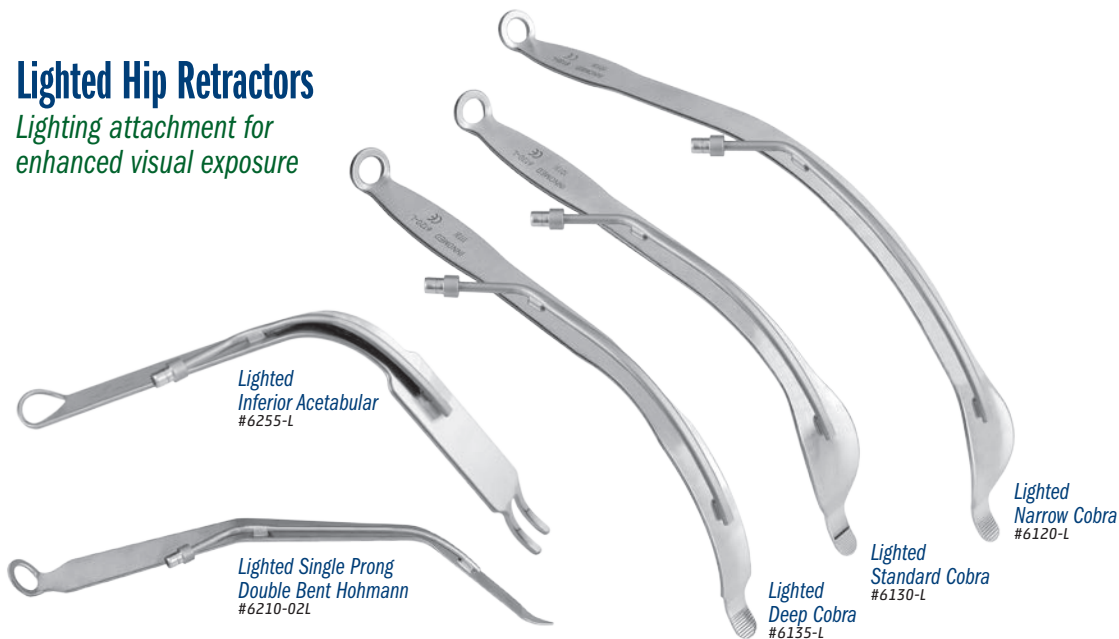
6210-02L [Lighted Single Prong Double Bent – Long]  
Overall Length: 12.5" (31,8 cm)  
Blade and Tip Length: 3" (76 mm)  
Blade Width: 15 mm



Attaches to a fiber optic light cable with ACMI (female) connector. Can be steam sterilized.

## Lighted Hip Retractors

Lighting attachment for enhanced visual exposure



Lighted Inferior Acetabular #6255-L

Lighted Single Prong Double Bent Hohmann #6210-02L

Lighted Deep Cobra #6135-L

Lighted Standard Cobra #6130-L

Lighted Narrow Cobra #6120-L

## Jana Lighted Cobra Retractor

Designed by Ajoy K. Jana, MD

*Designed to enhance exposure & visualization*

Excellent for use in acetabular exposure and total hip replacements. Especially useful for anterior approach. Attaches to a fiber optic light cable with ACMI (female) connector. Steam sterilizable.

### PRODUCT NO:

6119-L  
Overall Length: 14.2" (36 cm)  
Blade at Widest: 33 mm



## McPherson Retractor Extender

Designed by Ed McPherson, MD

*Designed to extend a standard retractor to help provide additional leverage*

### PRODUCT NO:

6022  
Overall Length: 15.625" (39,7 cm)



Fits most retractors.



## Flat Gelpi Retractors

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

The two largest sizes feature an ergonomic handle for increased comfort and control.

### PRODUCT NO'S:

4191 [Small]  
Overall Length: 6.5" (16,5 cm)  
Prong Depth: 1.25" (3,2 cm)

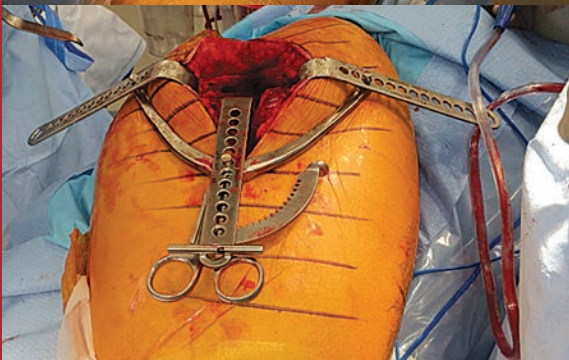
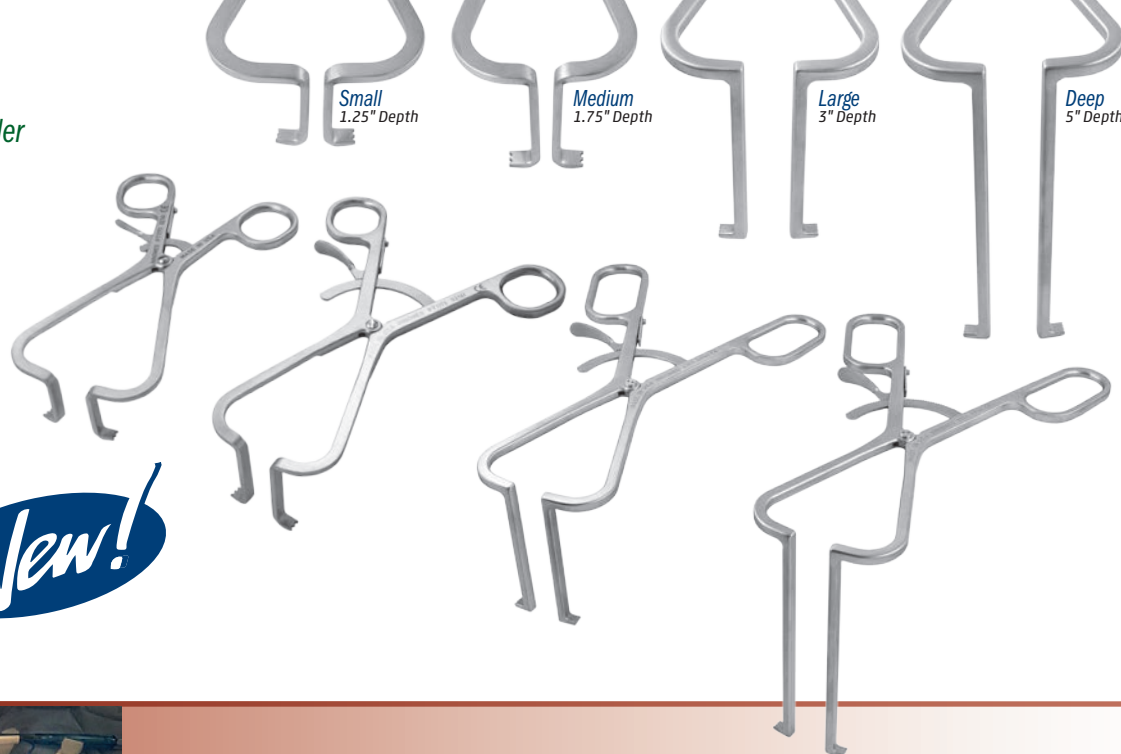
4192 [Medium]  
Overall Length: 7.25" (18,4 cm)  
Prong Depth: 1.75" (4,4 cm)

4193 [Large]  
Overall Length: 9" (22,9 cm)  
Prong Depth: 3" (7,6 cm)

4194 [Deep]  
Overall Length: 10" (24,4 cm)  
Prong Depth: 5" (12,7 cm)



**New!**



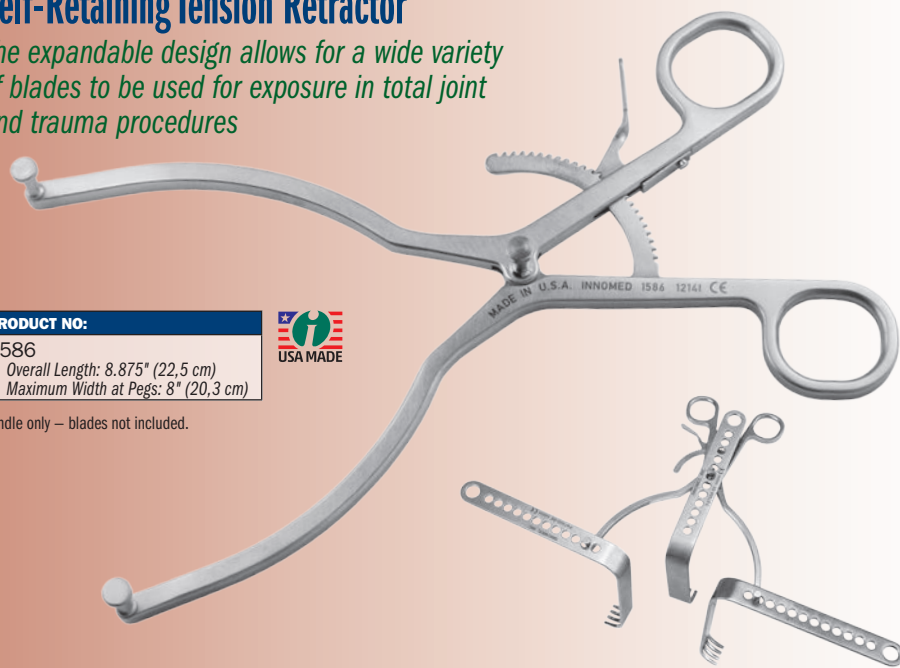
## Self-Retaining Tension Retractor

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

### PRODUCT NO:

1586  
Overall Length: 8.875" (22,5 cm)  
Maximum Width at Pegs: 8" (20,3 cm)

Handle only — blades not included.



Three depths available

## OrthoLucent™ Standard Blades

*Designed for use with Self-Retaining Hip Retractor Systems*

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

### PRODUCT NO'S:

Handle Length: 6" (15,2 cm)  
7450-02R 2" (5,1 cm) blade depth  
7450-03R 3" (7,6 cm) blade depth  
7450-04R 4" (10,2 cm) blade depth





## Large Exposure Self-Retaining Retractor

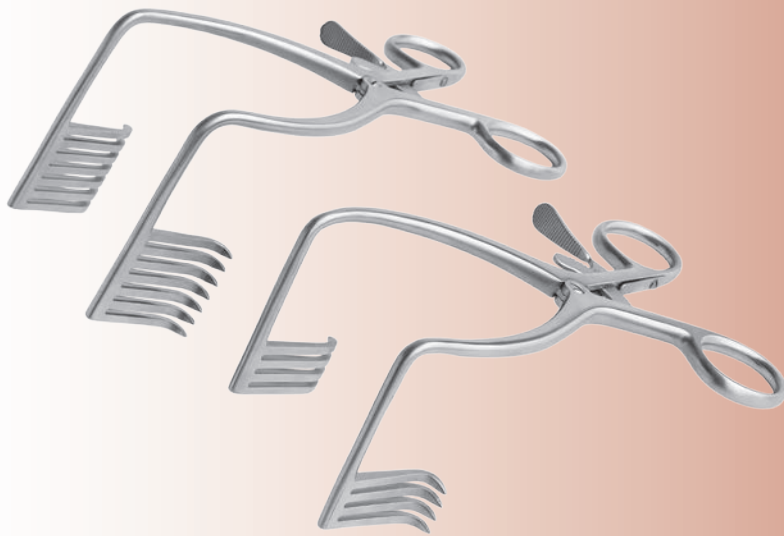
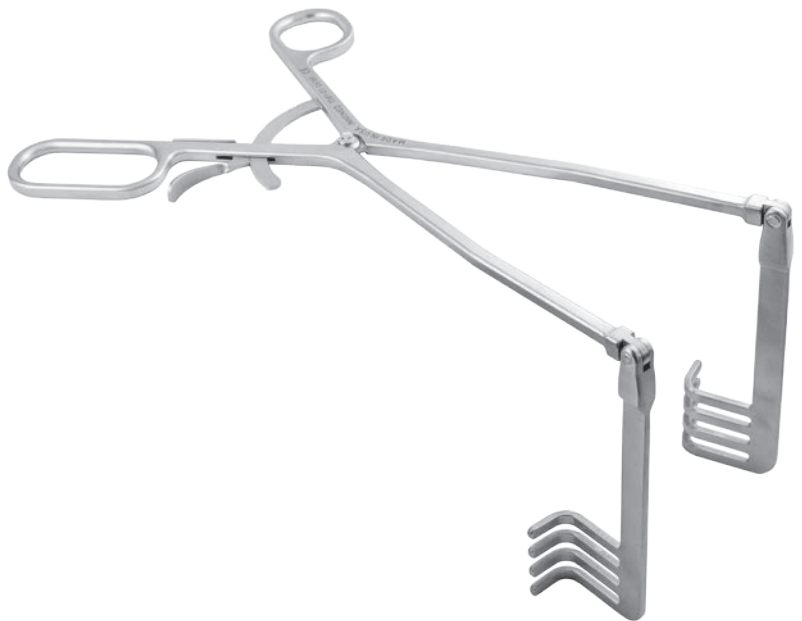
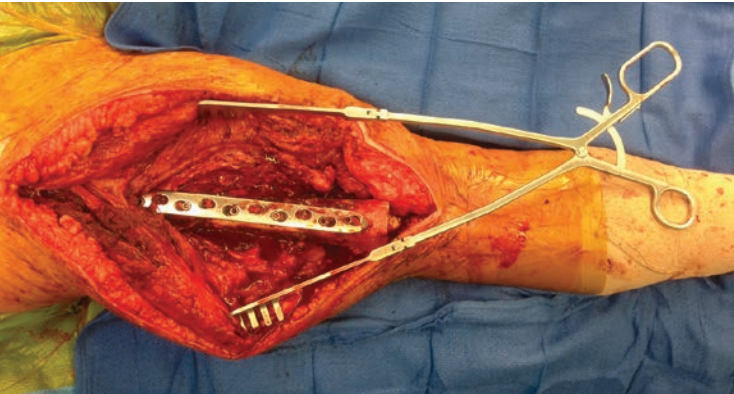
Designed by Vincent Ng, MD

*Designed for effective exposure of large wounds*

### PRODUCT NO:

1581-01

Overall Length (flat): 15.75" (40 cm)  
Leg Depth from Bend: 5.25" (13,3 cm)



## Trauma/Spine Deep Tissue Retractor

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

The retractor arms are available in configurations of 7 or 4 teeth.

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FOR INNOMED IN  
GERMANY

### PRODUCT NO'S:

1862 [4 Teeth]

Overall Length: 7.5" (19,1 cm)

Handle-to-Bend Length: 6" (15,2 cm)

Drop Depth: 3.25" (8,3 cm)

Prongs: 1.5" Long x .75" Wide (38 mm x 19 mm)

1863 [7 Teeth]

Overall Length: 7.5" (19,1 cm)

Handle-to-Bend Length: 6" (15,2 cm)

Drop Depth: 3.25" (8,3 cm)

Prongs: 1.5" Long x 1.375" Wide (38 mm x 35 mm)

## Durham Offset Zelpi Retractor

Designed by Alfred Durham, MD

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

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



### PRODUCT NO'S:

1573-L [Left]

Overall Length: 8.5" (21,6 cm)

Leg Depths: 3.1" & 4.2" (7,9 cm & 10,7 cm)

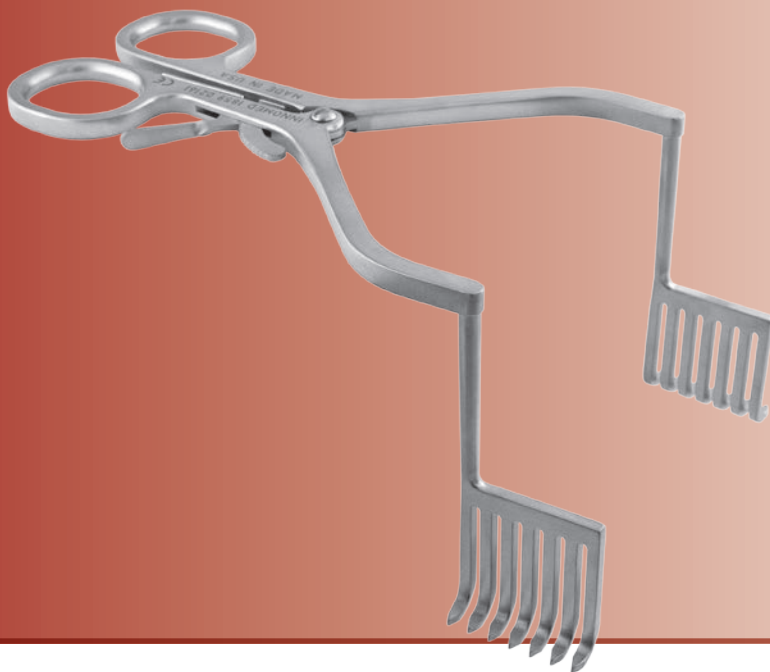
1573-R [Right]

Overall Length: 8.5" (21,6 cm)

Leg Depths: 3.1" & 4.2" (7,9 cm & 10,7 cm)







## Double Bent Extended Deep Tissue Retractor

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

### PRODUCT NO:

1859  
Overall Length: 8.75" (22,2 cm)  
Handle-to-Bend Length: 6.5" (16,5 cm)  
Drop Depth: 3" (7,6 cm)  
Prongs: 1.5" Long x 1.375" Wide (3,8 cm x 3,5 cm)



## Desai Clearview Open Blade Self-Retaining Retractor

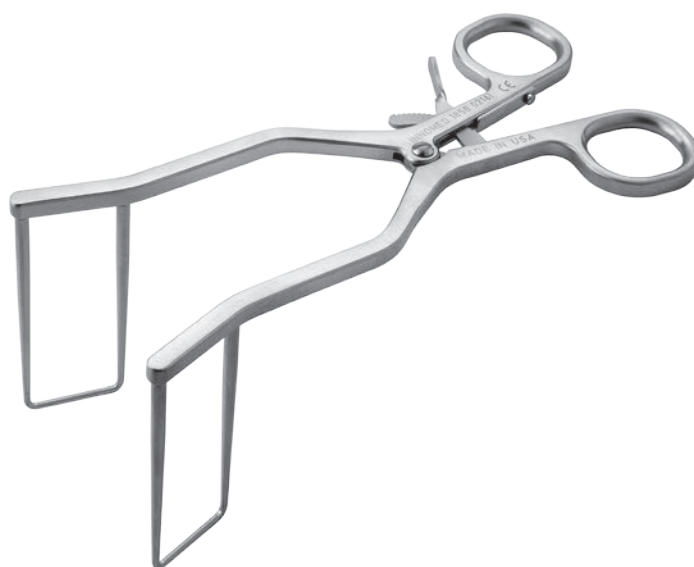
Designed by Sarang Desai, DO

*Open blade design allows clear visualization of neurovascular structures and soft tissue being retracted*

Tapered blades allows 90° deep soft tissue retraction and easy insertion into the wound. Open blades also allow the surgeon to work in the open blade area, such as for gastroc recession surgery.

### PRODUCT NO:

1858  
Overall Length: 7.25" (18,4 cm)  
Blade Depth: 3" (7,6 cm)  
Blade Width: 1.25" (3,2 cm)



## Gelpi Retractors

### PRODUCT NO'S:

4180 [Standard]  
Overall Length: 7.5" (19,1 cm)  
4181 [With Ergonomic Handle]  
Overall Length: 7.5" (19,1 cm)  
4182 [With Finger Hook]  
Overall Length: 7.5" (19,1 cm)



# Kolbel Self-Retaining Glenoid Retractors



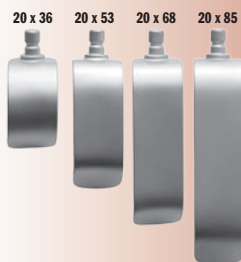
**Radiolucent  
Blades  
Now Available!**

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

## Kolbel Self-Retaining Retractor Blades



PRODUCT NO'S:	
<b>Wide Blades</b>	
T1018	[36 x 36 mm]
T1019	[36 x 53 mm]
T1020	[36 x 68 mm]
T1021	[36 x 85 mm]
<b>Radiolucent Blade</b>	
T1019-R*	[36 x 53 mm]

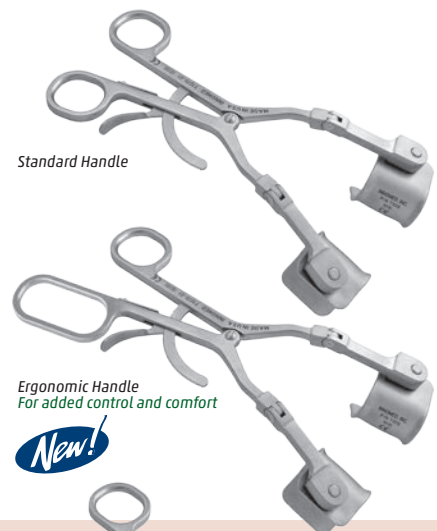


Narrow Blades	
T1022	[20 x 36 mm]
T1023	[20 x 53 mm]
T1024	[20 x 68 mm]
T1025	[20 x 85 mm]

## Modified Kolbel Self-Retaining Glenoid Retractor with Hinge

Two pairs of snap-in, freely pivoting blades included.

PRODUCT NO'S:	
T1014-01	[Set – Standard Handle]
T1014-01-2F	[Set – Ergonomic Handle]
Set Includes:	
T1015-01	[Retractor – Standard Handle] Overall Length: 8.25" (21 cm) Length-to-hinge: 6" (15,2 cm) Arm Length: 2.25 (5,7 cm)
– OR –	
T1015-01-2F	[Retractor – Ergonomic Handle] Overall Length: 9.25" (23,5 cm) Length-to-hinge: 7" (17,8 cm) Arm Length: 2.25 (5,7 cm)
T1018-P	[Blades–Pair] 36 mm X 36 mm
T1019-P	[Blades–Pair] 36 mm X 53 mm



Standard Handle

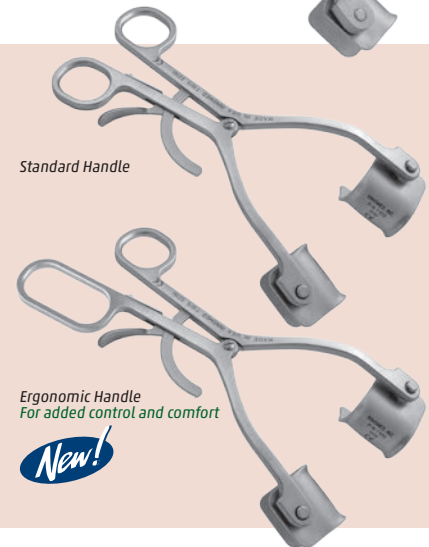
Ergonomic Handle  
For added control and comfort

**New!**

## Kolbel Self-Retaining Glenoid Retractor

Two pairs of snap-in, freely pivoting blades included.

PRODUCT NO'S:	
T1014	[Set – Standard Handle]
T1014-2F	[Set – Ergonomic Handle]
Set Includes:	
T1015	[Retractor – Standard Handle] Overall Length: 8.25" (21 cm)
– OR –	
T1015-2F	[Retractor – Ergonomic Handle] Overall Length: 9.25" (23,5 cm)
T1018-P	[Blades–Pair] 36 mm X 36 mm
T1019-P	[Blades–Pair] 36 mm X 53 mm



Standard Handle

Ergonomic Handle  
For added control and comfort

**New!**

## Kolbel Self-Retaining Glenoid Retractor with Center Blade

Center blade can be reversed for shallow or deep retraction

Two pairs of snap-in, freely pivoting blades included.

PRODUCT NO'S:	
T1050	[Set – Standard Handle]
T1050-2F	[Set – Ergonomic Handle]
Set Includes:	
T1050-01	[Retractor – Standard Handle] Overall Length: 8" (20,3 cm)
– OR –	
T1050-01-2F	[Retractor – Ergonomic Handle] Overall Length: 9" (22,9 cm)
T1050-02	[Center Blade] Length-to-bend: 6.25" (15,9 cm) Depth: 2.5" (6,4 cm)
T1018-P	[Blades–Pair] 36 mm X 36 mm
T1019-P	[Blades–Pair] 36 mm X 53 mm



Standard Handle

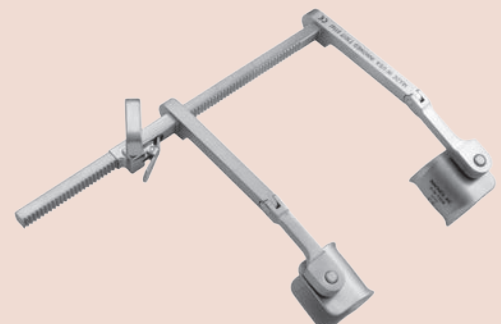
Ergonomic Handle  
For added control and comfort

**New!**

## Kolbel Self-Retaining Retractor

Two pairs of snap-in, freely pivoting blades included.

PRODUCT NO'S:	
T1016	[Set]
Set Includes:	
T1017	[Retractor] Overall Length: 8.25" (21 cm) Arm Length: 6.125" (15,6 cm) Arm Length-to-hinge: 3" (7,6 cm)
T1018-P	[Blades–Pair] 36 mm X 36 mm
T1019-P	[Blades–Pair] 36 mm X 53 mm



\*  
MADE EXCLUSIVELY  
FOR INNOMED IN  
SWITZERLAND

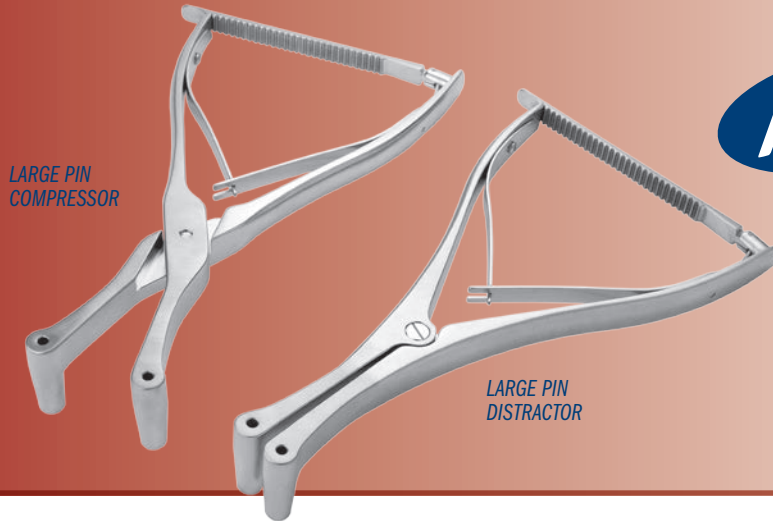
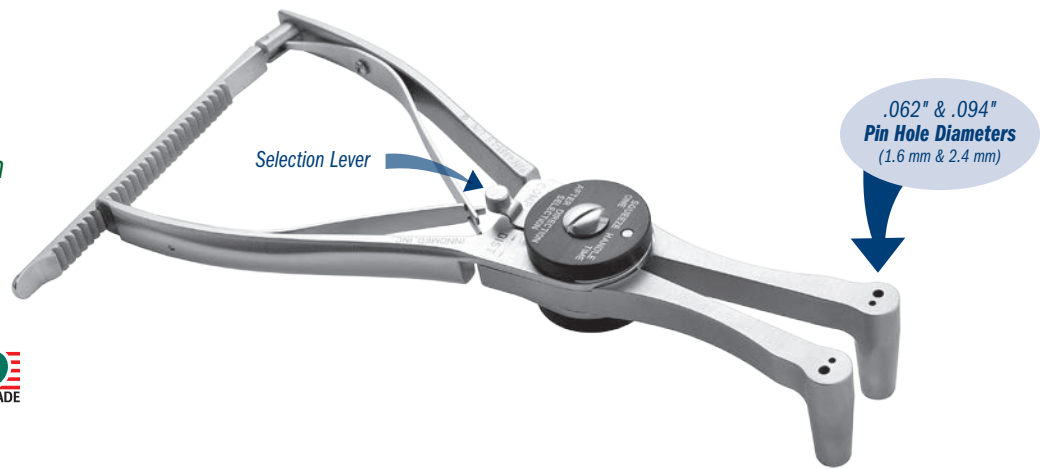
## Joint, Calcaneal, and Small Bone Compressor/Distractor

*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 [Standard]  
Overall Length: 8.5" (21,6 cm)  
Holes For: .062" & .094" (1,6 & 2,4 mm) K-wire Pins



**New!**

## 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)

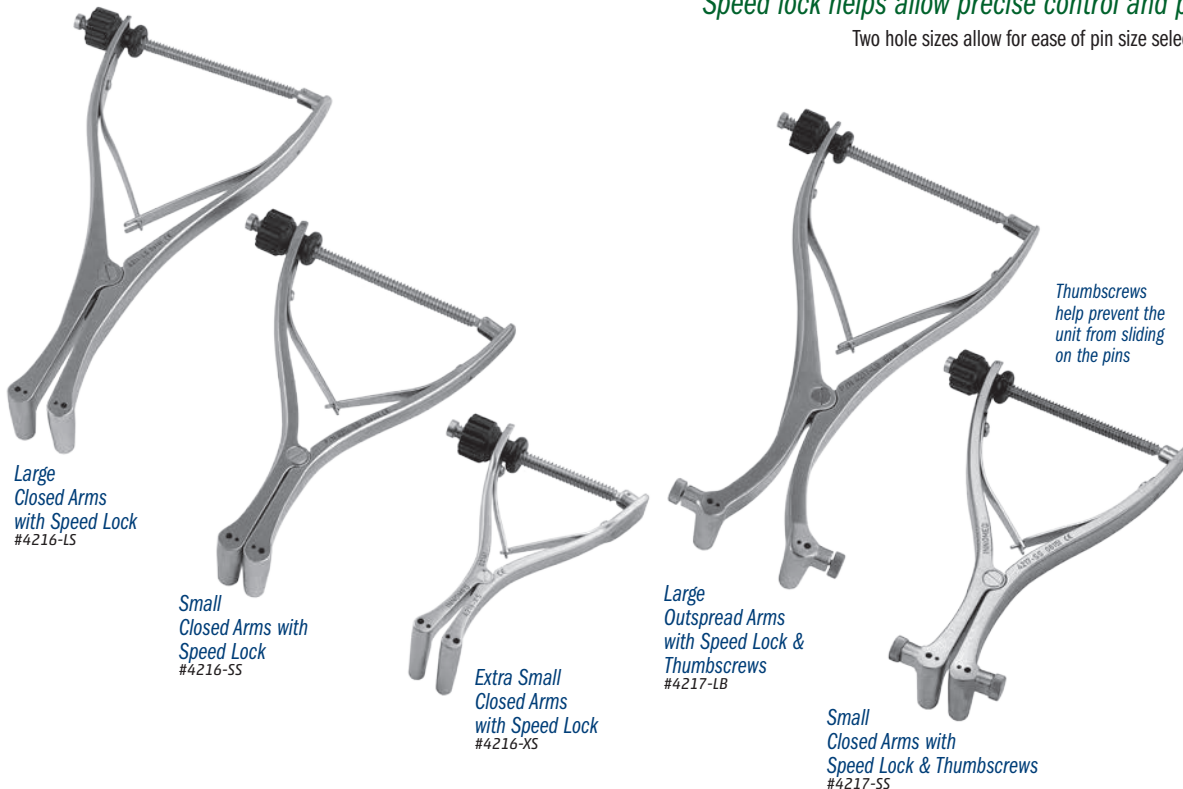
4234 [Large Pin Compressor]  
Hole Diameters: For .125" (3,2 mm) K-wire Pins  
Overall Length: 8" (20,3 cm)



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

*Speed lock helps allow precise control and prevents unintended release*

Two hole sizes allow for ease of pin size selection: .062" (1,6 mm) & .094" (2,4 mm)



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**  
Outspread and  
Closed Arms



**SMALL**  
Outspread and  
Closed Arms

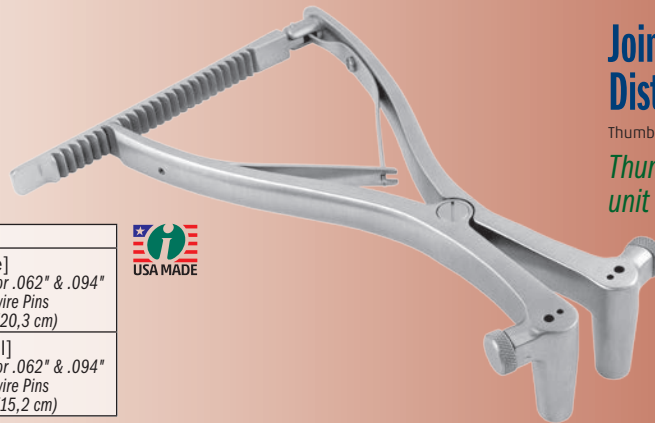
## Joint, Calcaneal and Small Bone Distractors

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)



**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



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)

**WITH THUMBSCREWS**  
Large and Small,  
Outspread and Closed Arms

## 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**

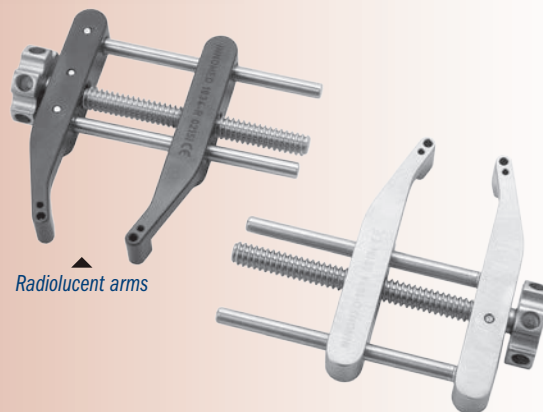
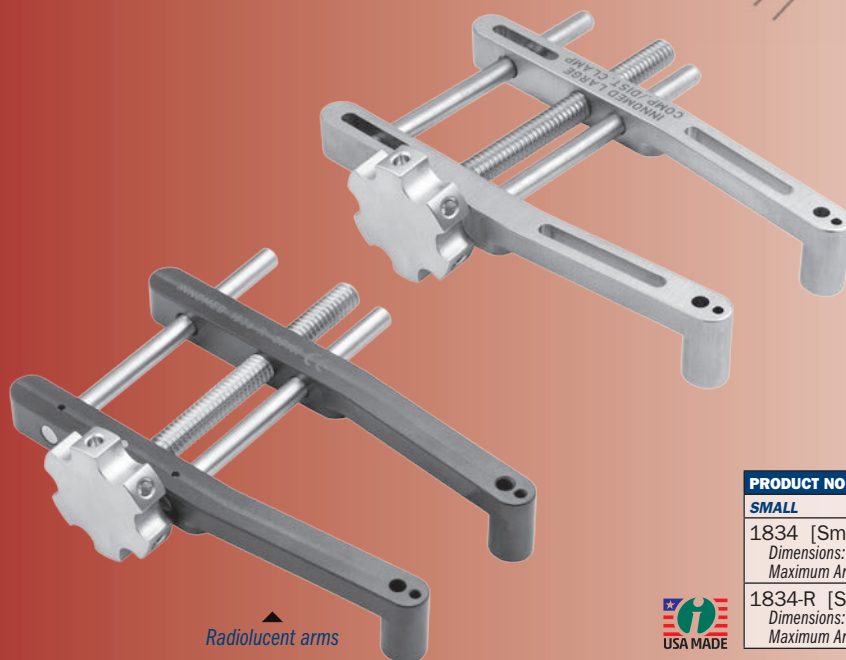
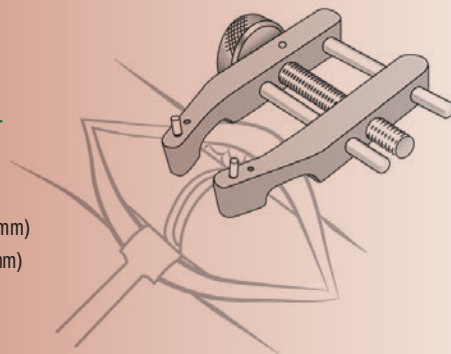


**SMALL**

## HFD Compressor/Distractor

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

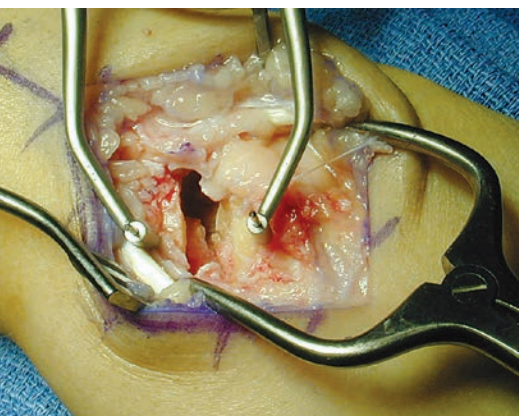
- ▶ A .125" (3,2 mm) pin can be used in the holes of the thumbwheel for leverage
- ▶ Small: Two hole sizes allow for ease of pin size selection: .045" (1,1 mm) & .062" (1,6 mm)
- ▶ Large: Two hole sizes allow for ease of pin size selection: .062" (1,6 mm) & .125" 3,2 mm)
- ▶ Radiolucent arms are a steam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



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

Available with two hole sizes on each instrument!



MADE EXCLUSIVELY FOR INNOVED IN GERMANY



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)	

*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)



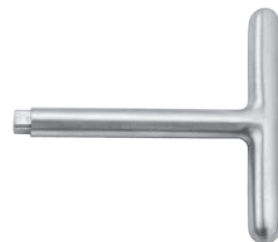


## Gurbani Joint Distractor/Compressor

Designed by Naren G. Gurbani, MD

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

Pin Hole Sizes: .126" (3.2 mm) and .158" (4 mm)



### PRODUCT NO'S:

4208-00 [Set with Case]

Includes: Distractor/Compressor, T-Wrench, and Case

### Available individually:

4208-01 [Distractor/Compressor Only]

Dimensions: 6" w x 5" h (16,2 cm x 12,7 cm)

Distracts to: 2.75" (7 cm) / Compresses from: .5" (13 mm)

4208-TW [T-Wrench]

Overall Length: 10" (25,4 cm)

1025 [Sterilization Case]

## Faillace Ambidextrous Self-Retaining Retractor

Designed by John J. Faillace, MD

Pin Hole Sizes:

.125" (3.2 mm) and .158" (4 mm)

### PRODUCT NO'S:

1579 [4 Teeth]

Overall Length: 6" (15,2 cm)

Prong Depth: 38 mm

Prong Width: 18 mm

1580 [7 Teeth]

Overall Length: 7.5" (19,1 cm)

Prong Depth: 38 mm

Prong Width: 34 mm



*New!*



*Handle can be rotated away from the surgeon after insertion if desired*



## Hendren Self-Retaining Retractors

Designed by D.H. Hendren, MD



*Gentle on tissue and very effective in holding back subcutaneous fat*

Also useful for retracting the deltoid muscle firmly.  
Five sizes available.



### PRODUCT NO'S:

1730

Overall Length: 3.5" (8,9 cm)

Blade Size: 10 mm x 12 mm

1735

Overall Length: 4.5" (11,4 cm)

Blade Size: 14 mm x 13 mm

1740

Overall Length: 4.5" (11,4 cm)

Blade Size: 16 mm x 13 mm

1745

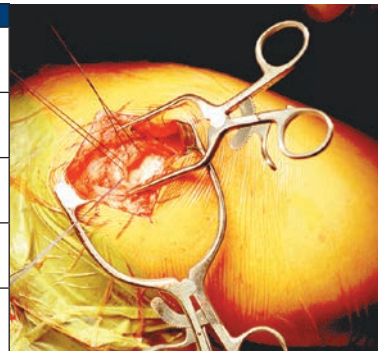
Overall Length: 5.5" (14 cm)

Blade Size: 18 mm x 13 mm

1750

Overall Length: 6.5" (16,5 cm)

Blade Size: 22 mm x 14 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*

Swivel-blade technology helps to allow parallel deployment of retractor blades to maximize wound exposure and minimize edge loading on surrounding soft tissues. Parallel deployment of the retractor blades also helps prevent rotation and migration of the retractor during a procedure.

### PRODUCT NO'S:

1646-00 [Set]

Includes Retractor and Two Swivel Blades

### Also available individually:

1646-01 [Retractor]

Overall Length: 5.125" (13 cm)

Opens to: 2.5" (6.4 cm)

1646-02 [Swivel Blade]

One blade with this product number, two included in set

Width: .9375" (24 mm)

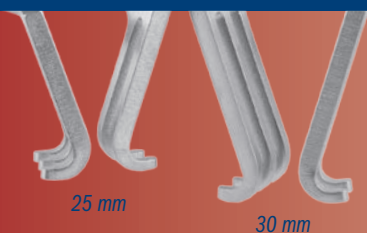
Depth: .75" (19 mm)



**New!**



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



25 mm

30 mm

## Chung Weitlaner Retractors

Designed by Raymond Chung, MD

*Longer prongs allow use in a small, but deep wound*

### PRODUCT NO'S:

#### Blunt Tips

5065 [2x3 Prongs]  
Blade Depth: 25 mm  
Overall Length: 4.5" (11.4 cm)

5065-01 [3x4 Prongs]  
Blade Depth: 25 mm  
Overall Length: 4.5" (11.4 cm)

5067 [2x3 Prongs]  
Blade Depth: 30 mm  
Overall Length: 4.5" (11.4 cm)

5067-01 [3x4 Prongs]  
Blade Depth: 30 mm  
Overall Length: 4.5" (11.4 cm)

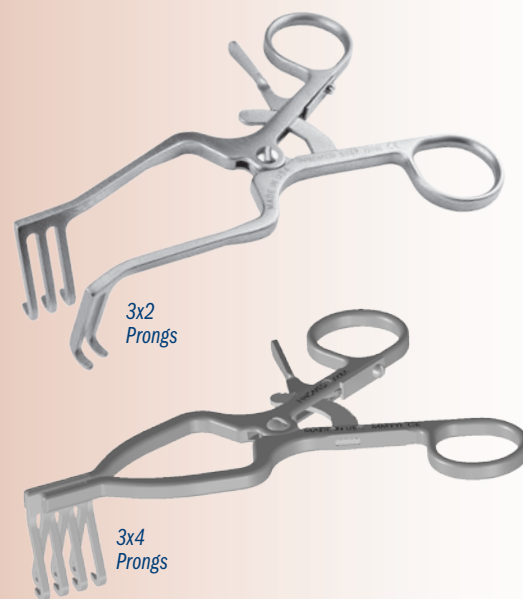
#### Sharp Tips

5066 [2x3 Prongs]  
Blade Depth: 25 mm  
Overall Length: 4.5" (11.4 cm)

5066-01 [3x4 Prongs]  
Blade Depth: 25 mm  
Overall Length: 4.5" (11.4 cm)

5068 [2x3 Prongs]  
Blade Depth: 30 mm  
Overall Length: 4.5" (11.4 cm)

5068-01 [3x4 Prongs]  
Blade Depth: 30 mm  
Overall Length: 4.5" (11.4 cm)



3x2  
Prongs

3x4  
Prongs

## Williams Distal Radius Fracture Retractor

Designed by Craig S. Williams, MD and Eric Dahlinger

*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]

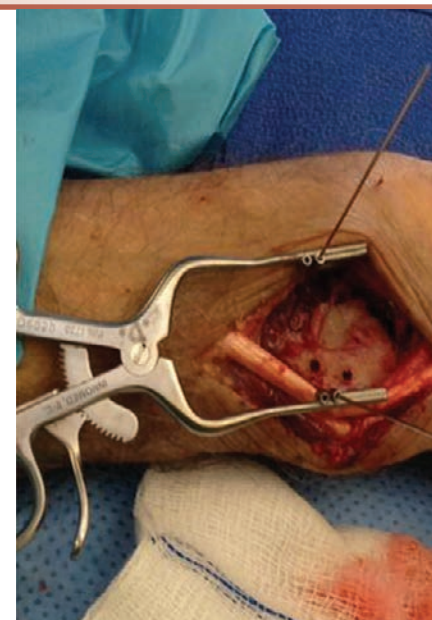
For Pins up to .045" (1.1 mm)  
Overall Length: 4.5" (11.4 cm)  
Blade Depth: 20 mm  
Blade Width: 12.5 mm

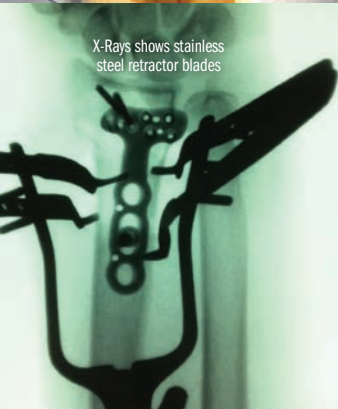
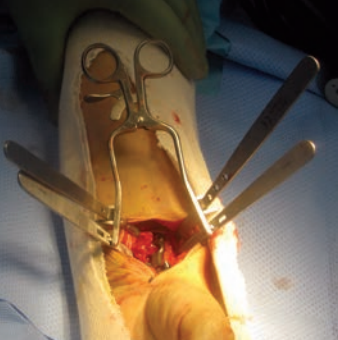
MADE FOR INNOVIMED IN GERMANY



Left

Right





X-Rays shows stainless steel retractor blades



## Dodson Modular Retractor

Designed by Mark A. Dodson, MD

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 handle, 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.

### PRODUCT NO'S:

1838-00 [Set]

### Replacement Parts:

1838-01 [Handle 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]

### Optional Parts — Not Included In Set:

1838-02R\* [Radiolucent Blade Only – One]

Overall Length: 5.25" (13.3cm)

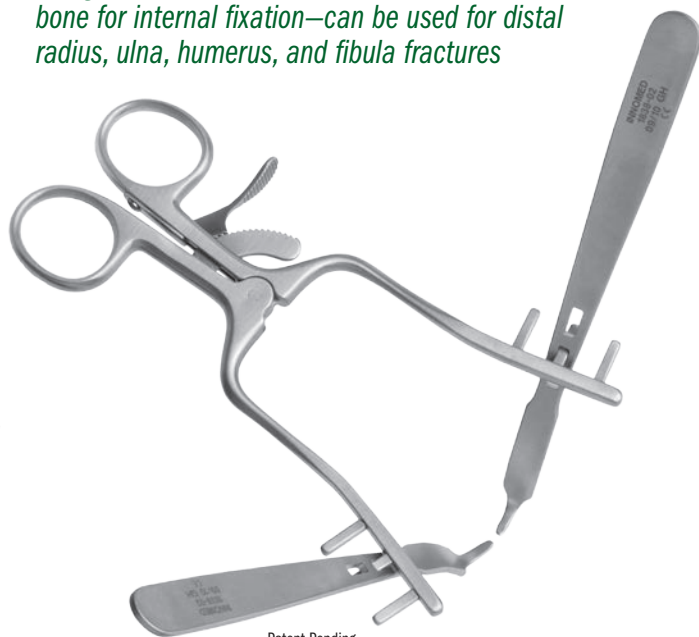
Blade Width: 3/8" (9mm)

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

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MADE EXCLUSIVELY FOR INNOVATION IN SWITZERLAND

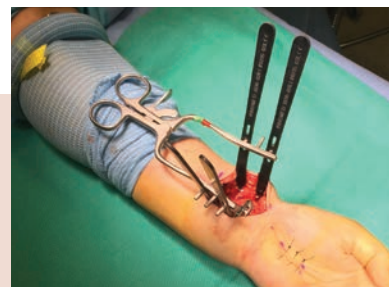
Designed to help expose a small to medium size bone for internal fixation—can be used for distal radius, ulna, humerus, and fibula fractures



Patent Pending

### Radiolucent carbon fiber PEEK composite blade

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



## Beard Distal Radius Wide Hohmann Retractor

Designed by David Beard, MD

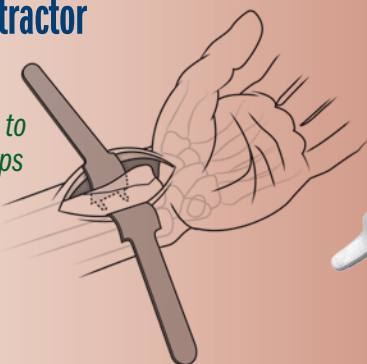
Designed for distal radius and diaphyseal fracture exposure, the wide blade design helps to protect soft tissues, and the curved handle helps provide improved access and visualization

### PRODUCT NO:

5837-01

Overall Length: 5.375 (13.7 cm)

Blade Width: 1" (25 mm)



New!

New!

## 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







## Radiolucent Mini Hohmann Retractors

Designed by Jeffrey Lawton, MD

### Radiolucent, lightweight retractors

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

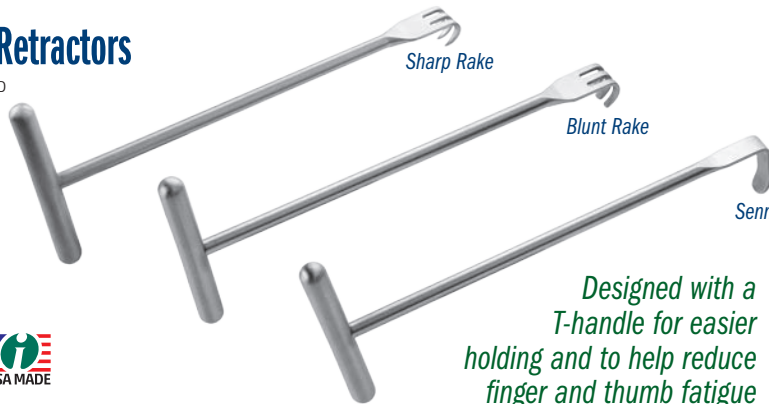
PRODUCT NO'S:	
1591-R 6 mm Blade, Bent Overall Length: 7" (17,8 cm)	
1592-R 8 mm Blade, Deep Bent Overall Length: 7" (17,8 cm)	1595-R 6 mm Blade Overall Length: 6.875" (17,5 cm)
1593-R 8 mm Blade, Bent Overall Length: 7" (17,8 cm)	1597-R 16 mm Blade Overall Length: 6.875" (17,5 cm)
1594-R 8 mm Blade Overall Length: 6.875" (17,5 cm)	1596-R 8" Extender Overall Length: 8" (20,3 cm)



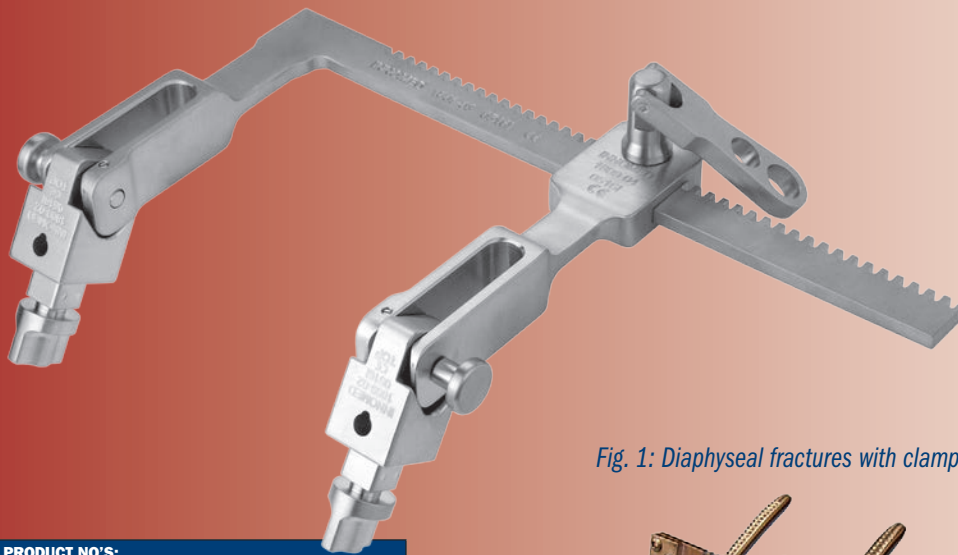
## Chung T-Handle Retractors

Designed by Raymond Chung, MD

PRODUCT NO'S:	
1159 [Sharp Rake] Overall Length: 117 mm Blade Width: 9 mm Blade Depth: 7 mm	
1161 [Blunt Rake] Overall Length: 117 mm Blade Width: 9 mm Blade Depth: 7 mm	
1162 [Senn] Overall Length: 117 mm Blade Width: 6 mm Blade Depth: 16 mm	



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



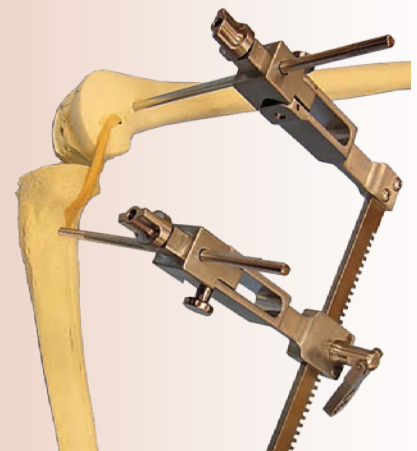
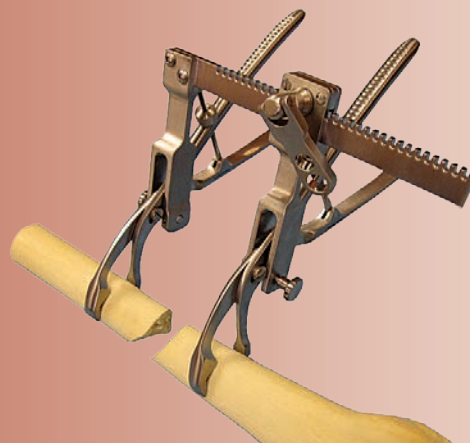
## Femur/Tibia Fracture Distractor

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](http://signfracturecare.org)



Protect your hands!

## Radiation Attenuating Surgical Gloves

*Powder-free gloves provide increased protection from direct x-ray beam and scattered radiation*

### Reduced Exposure

Lead-free, surgical gloves attenuate direct or scattered rays and are an environmentally friendly alternative to leaded gloves.

### Freedom of Movement

Gloves are very thin—ONLY 0.007" THICK—to allow the greatest possible flexibility, dexterity, and sensitivity of touch while decreasing finger fatigue.

### Natural Latex Free & Powder-Free

Reduced risk of natural rubber latex allergies.

### Quality Guaranteed

All gloves are 100% tested for pin holes and leaks.

### Applications

Fluoroscopy, Orthopedics, Radioisotope Handling, Cardiology, Radiology, Dental, Nuclear Medicine

*Suitable for reducing harmful radiation exposure during any procedure requiring the use of fluoroscopy*



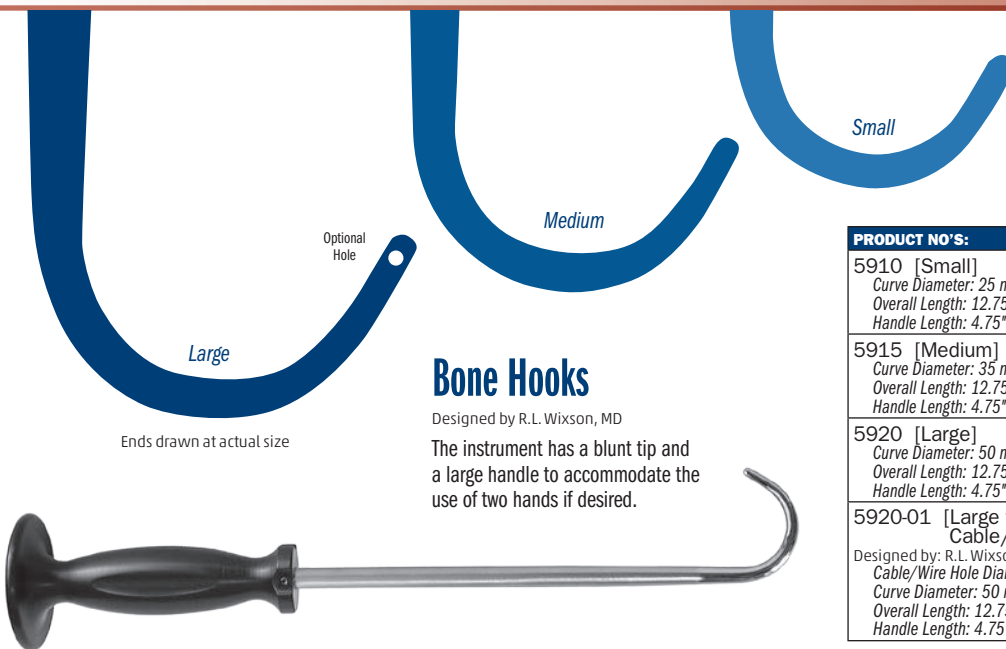
Average Radiation Attenuation Levels Measured in the Direct Beam

Beam Quality	Aluminum Half Value Layer	Measured Attenuation
60 kVp	HVL = 2.3 mm	58.7%
80 kVp	HVL = 3.3 mm	49.9%
100 kVp	HVL = 4.3 mm	44.6%
120 kVp	HVL = 5.6 mm	40.6%

**NOTE: Double gloving with conventional latex surgical gloves provides only 1% attenuation.**  
Levels are measured by a fixed filter equivalent: 2.5 mm Al



PRODUCT NO'S:		5 PAIRS/PACK		25 PAIRS/PACK	
7505-01	6.5	7505-02	6.5		
7510-01	7.0	7510-02	7.0		
7515-01	7.5	7515-02	7.5		
7520-01	8.0	7520-02	8.0		
7525-01	8.5	7525-02	8.5		
7530-01	9.0	7530-02	9.0		



## Bone Hooks

Designed by R.L. Wixson, MD

The instrument has a blunt tip and a large handle to accommodate the use of two hands if desired.

### PRODUCT NO'S:

**5910 [Small]**  
Curve Diameter: 25 mm  
Overall Length: 12.75" (32,4 cm)  
Handle Length: 4.75" (12,1 cm)

**5915 [Medium]**  
Curve Diameter: 35 mm  
Overall Length: 12.75" (32,4 cm)  
Handle Length: 4.75" (12,1 cm)

**5920 [Large]**  
Curve Diameter: 50 mm  
Overall Length: 12.75" (32,4 cm)  
Handle Length: 4.75" (12,1 cm)

**5920-01 [Large w/ Cable/Wire Hole]**  
Designed by: R.L. Wixson, MD & J. McCarthy, MD  
Cable/Wire Hole Diameter: 2 mm  
Curve Diameter: 50 mm  
Overall Length: 12.75" (32,4 cm)  
Handle Length: 4.75" (12,1 cm)



## Lombardi Bone Hooks

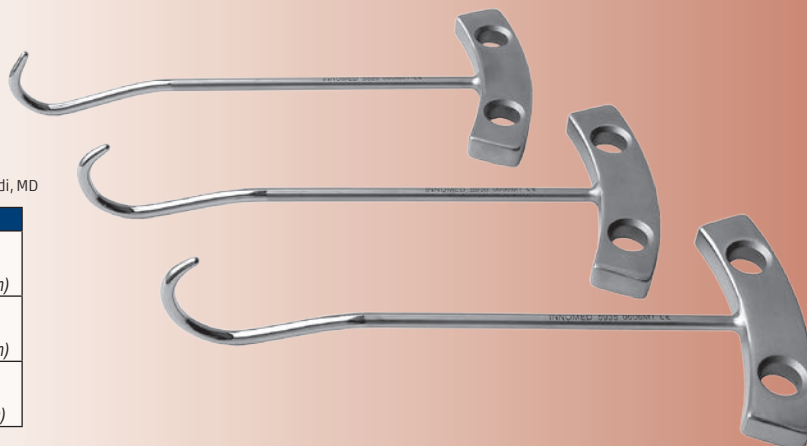
Designed by Adolph V. Lombardi, MD

### PRODUCT NO'S:

**5925 [Small]**  
Curve Diameter: 25 mm  
Overall Length: 10" (25,4 cm)

**5930 [Medium]**  
Curve Diameter: 35 mm  
Overall Length: 10" (25,4 cm)

**5935 [Large]**  
Curve Diameter: 55 mm  
Overall length: 10" (25,4 cm)



Small

Medium

Large

Ends drawn at actual size

**New!**



## Sarraf Coated Hip Dislocation Hook

Designed by Khaled M. Sarraf, MD

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

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

PRODUCT NO:
5905
Overall Length: 12.5" (31,8 cm)



## Soft Impact Mallets with Easy Grip Handles

Designed to have a shock-absorbing force, providing less bounce or wasted force. The mallets are filled with a shock-absorbing media and has a flat striking surface to keep the mallets centered on an instrument.

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)	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)
7821 [2 lbs. With Weidman Handle] Weight: 2 lbs. (.907 kg) Overall Length: 10.625" (27 cm) Grip Length: 5.5" (14 cm) Head Width: 3.5" (8,9 cm) Head Diameter: 1.375" (3,5 cm)	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)

Soft Impact Mallet with Weidman Silicone Handle



Provides shock-absorbing force



## 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.



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)



## Easy Grip Textured Soft Silicone Handles

Comfortable grip 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.



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)



## Star Bit Driver Set

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

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

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



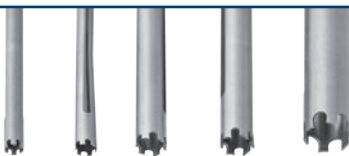
Set in Storage Case

*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.



### 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.



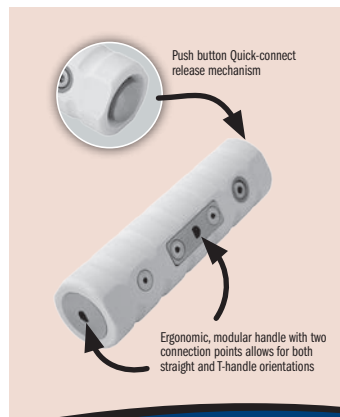
### Screwdrivers

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



### Cannulated Drive Extension

Used when a longer instrument shaft is desired.



### 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 intraoperative exchange.

### Pick

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

## Universal Screw Removal Instrument System



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: 20" x 9.25" (50,8 cm x 23,5 cm)	



## 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]

**New!**

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



**New!**  
SMALL STAR STYLE AVAILABLE

## Cheng Screw Removal and Bone Trephine Set

Designed by Edward Cheng, MD



### PRODUCT NO'S:

1426-00 [Complete Set with Case]

#### Includes:

1426-01 [Small Trephine] 5 mm Internal Diameter  
Overall Length: 7.125" (18.1 cm)

1426-02 [Medium Trephine] 6.5 mm Internal Diam.  
Overall Length: 7.125" (18.1 cm)

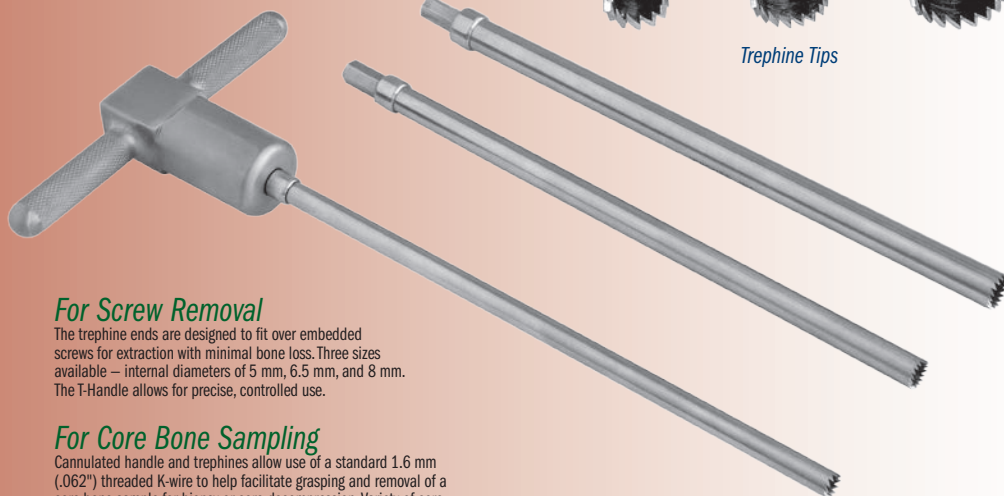
1426-03 [Large Trephine] 8 mm Internal Diameter  
Overall Length: 7.125" (18.1 cm)

1426-04 [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]



Trephine Tips

### For Screw Removal

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

### For Core Bone Sampling

Cannulated 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 – 5 mm, 6.5 mm, and 8 mm – yields bone samples of sufficient size for pathology.

## Rotating Offset Handle Hex Driver

*Offset shaft and smooth spin handle allow for a rapid crank action when desired*



Large hex driver for 6.5 mm and 4.5 mm diameter screws. Especially helpful in insertion and removal of long screws.

### PRODUCT NO:

7241

Overall Length: 13.5" (34.3 cm)





## Mengato Depth Gauge

Designed by Richard Mengato, MD

*Right-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 leveraging 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

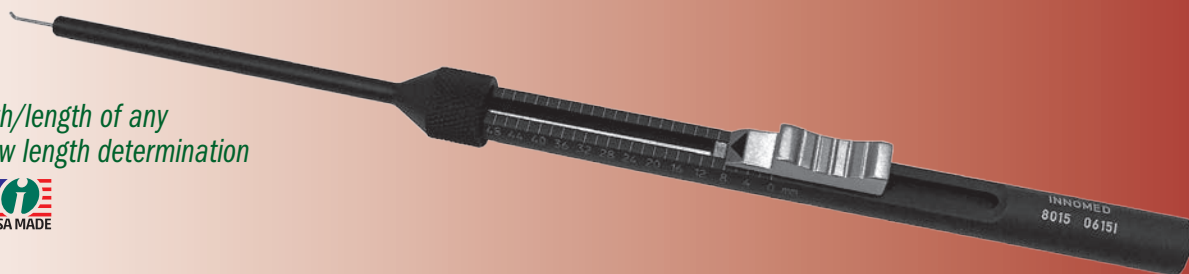
*Designed to help provide measurement of the depth/length of any bone hole for proper screw length determination*

### PRODUCT NO:

8015

Overall Length: 7.625" (19,4 cm)

Scale: From 0 to 48 mm



### PRODUCT NO'S:

7653-00 [Set w/Case]

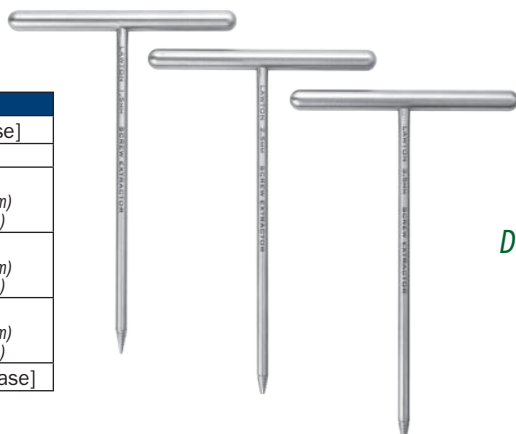
### Individual Parts:

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

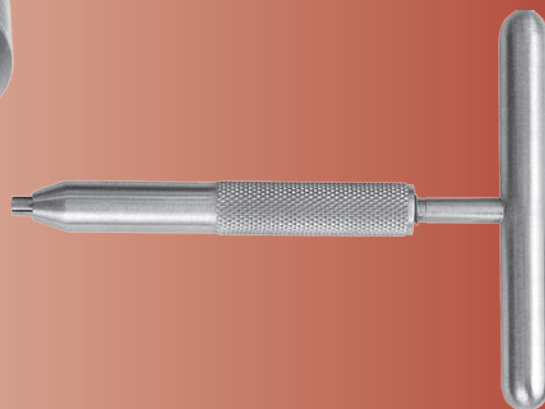
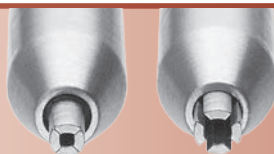
*Designed to help remove broken or stripped screws (1 mm-2 mm)*

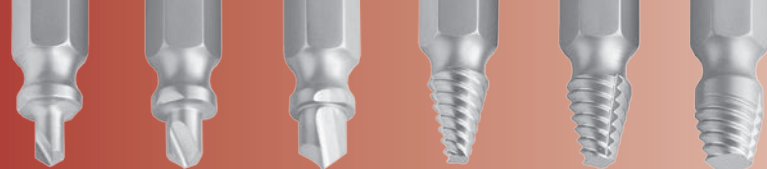
### PRODUCT NO:

7653-04

Overall Length: 4" (10,2 cm)

Handle Width: 3" (7,6 cm)





## Screw Extractor Set

*Designed to help remove screws with stripped or damaged heads*

### PRODUCT NO'S:

7250-00 [Set with Case]

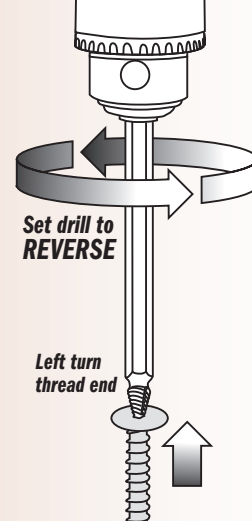
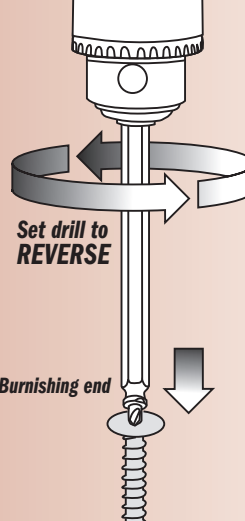
7250-01 [Small]  
Overall Length: 6" (15,2 cm)

7250-02 [Medium]  
Overall Length: 6" (15,2 cm)

7250-03 [Large]  
Overall Length: 6" (15,2 cm)



- ▶ Extractors must be used with drill in reverse.
- ▶ Screw head is reamed with burnishing end, and is then removed with the left turn thread end.
- ▶ Care must be taken to burnish no more than 1/16" (1.6 mm) deep, as burnishing too deep can weaken the screw head.



## Craig-Type Extractor Set

*Designed to firmly tighten circumferentially around a wire, pin, broken screw, etc. for removal — especially helpful for the removal of threaded pins*

- ▶ Removes pins & screws up to 5 mm (.2") diameter and wires as small as .8 mm (1/32") diameter
- ▶ Two cross-handle insert rods give strong leverage for locking the collet securely onto the pin
- ▶ Five interchangeable collets for various grasping capacities
- ▶ Slap hammer included



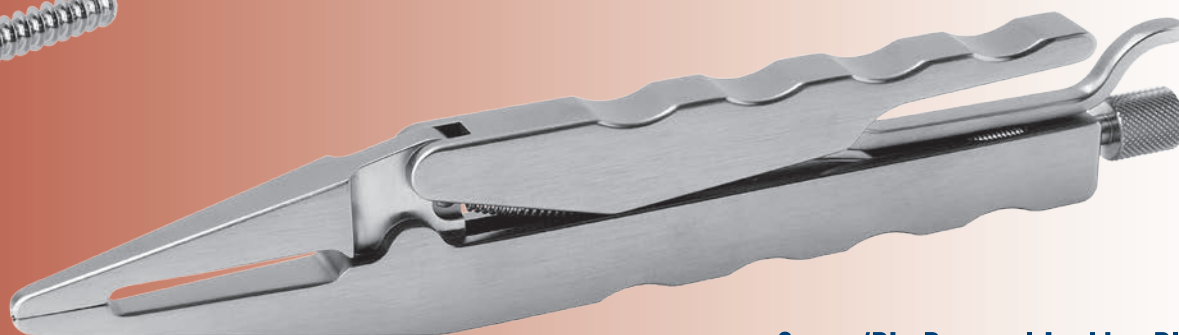
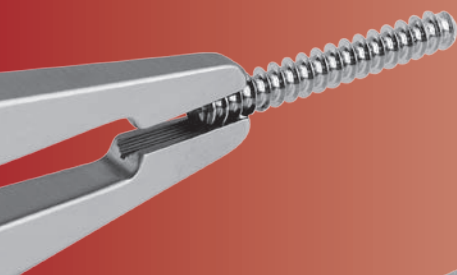
### PRODUCT NO:

1215-00

Includes Sterilization Case

### Set includes:

- (1) handle draw bar,
- (1) closing sleeve with hand wheel,
- (5) collets (1 mm to 5 mm),
- (2) cross-handle insert rods,
- (1) slap hammer,
- (1) sterilization case



### PRODUCT NO:

S0142

Overall Length: 8" (20,3 cm)  
Jaw Width: 4.5 mm



## Screw/Pin Removal Locking Pliers

*Unique jaw designed to solidly grip and clamp onto screw for removal*



## Screw Removal Pliers

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



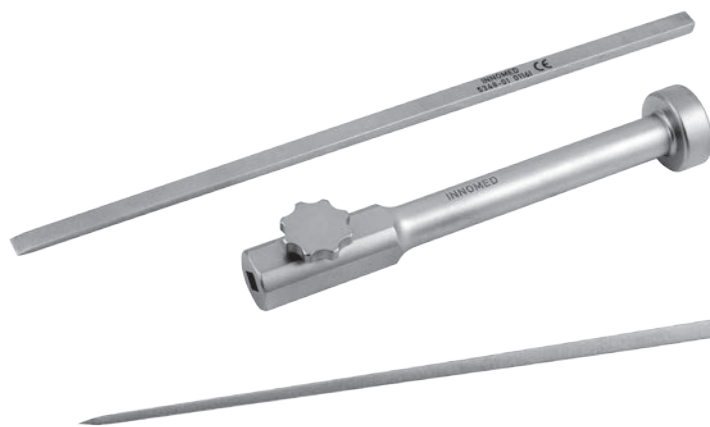
### PRODUCT NO:

2020

Overall Length: 8 (20,3 cm)







## Wagner Osteotome Handle

Designed by Russell Wagner, MD

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



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

## Mini-Ilexer Osteotomes

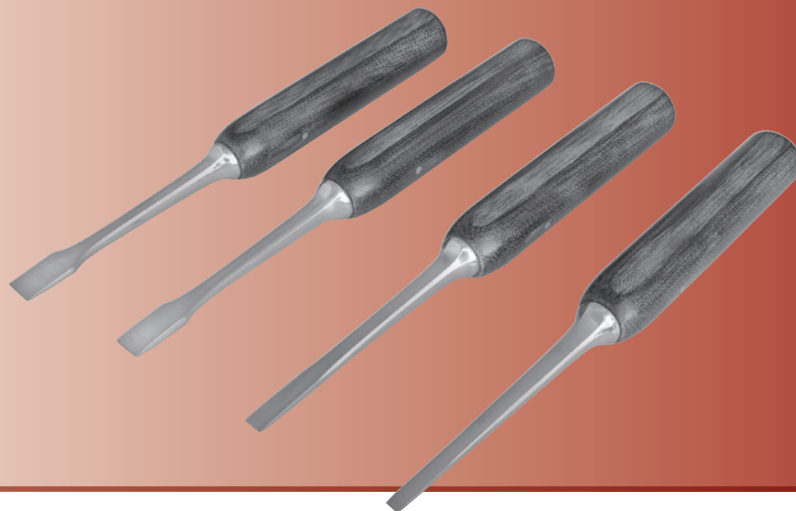
*Helpful in osteophyte and cement removal*

Small, thin osteotomes helpful in osteophyte and cement removal in total joint surgery. Larger handle helps with better control.

### PRODUCT NO'S:

5270-01 Blade Width: 4 mm Overall Length: 7.25" (18,4 cm) Handle Length: 4" (10,2 cm)	5270-03 Blade Width: 10 mm Overall Length: 7.25" (18,4 cm) Handle Length: 4" (10,2 cm)
5270-02 Blade Width: 6 mm Overall Length: 7.25" (18,4 cm) Handle Length: 4" (10,2 cm)	5270-04 Blade Width: 12 mm Overall Length: 7.25" (18,4 cm) Handle Length: 4" (10,2 cm)

MADE FOR INNOMED IN GERMANY



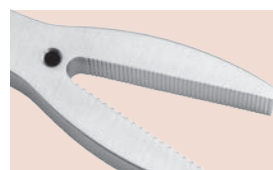
## Universal Multi-Nut Wrench

*Designed to allow single-tool adjustment to any size nut from 1/4" to 3/4" (6.4 mm to 19 mm), reducing the need for multiple instruments*



### PRODUCT NO:

5074
Overall Length: 7" (17,8 cm)
Wrench End: 3/4" to 1/4" (19 mm to 6,4 mm)

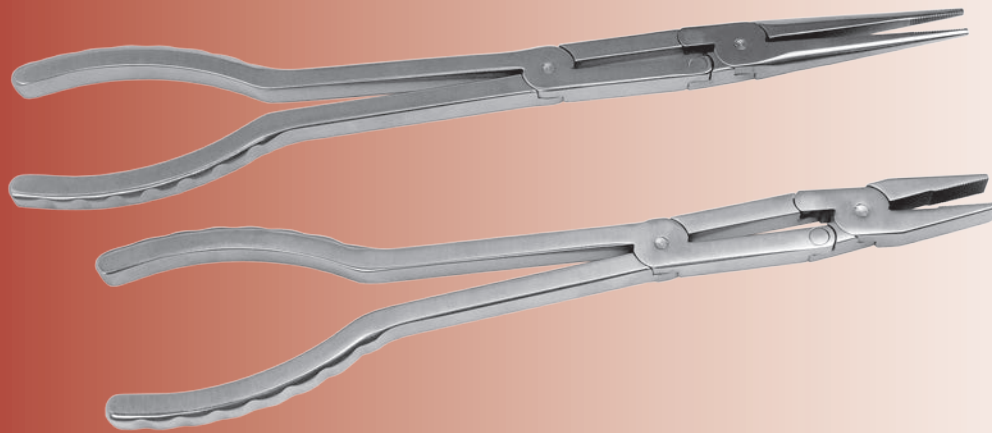


## Long Jaw Needle Nose Pliers

### 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



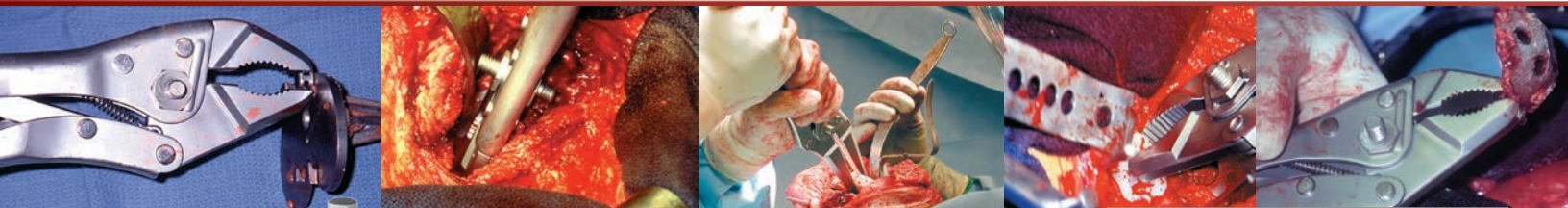


## Extended Double Action Pliers

### PRODUCT NO'S:

3962 [Needle Nose]  
Overall Length: 13" (33 cm)  
Jaw Length: 2.625" (6,7 cm)  
Jaw Width: 2.5 mm

3961 [Blunt Nose]  
Overall Length: 11.75" (29,8 cm)  
Jaw Length: 1.25" (3,2 cm)  
Jaw Width: 10 mm



## OrthoVise™

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

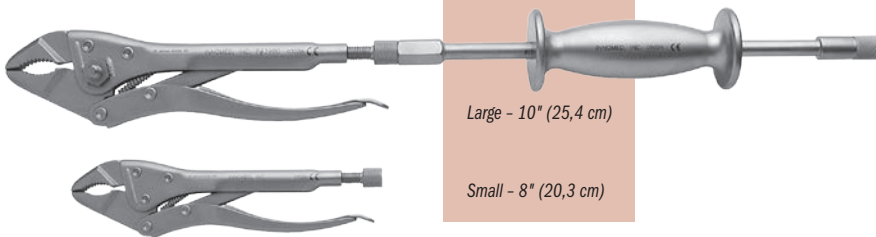
On models equipped with attachment bolts, a slap hammer can be attached to the end of the OrthoVise™, as well as to either side of the large OrthoVise™ (except the bent jaw model).

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

U.S. Patent #D398,208

MADE EXCLUSIVELY  
FOR INHOMED IN  
GERMANY

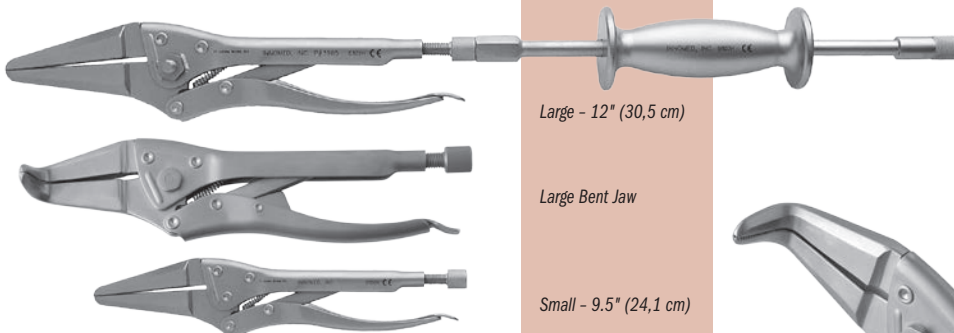
### Standard



Large - 10" (25,4 cm)

Small - 8" (20,3 cm)

### Long Nose



Large - 12" (30,5 cm)

Large Bent Jaw

Small - 9.5" (24,1 cm)

### PRODUCT NO'S:

#### Standard

3980	[Large] Overall Length: 10" (25,4 cm) with Attachment Bolts with Large OrthoVise™ Slap Hammer (#3950)
3980-01	[Large] Overall Length: 10" (25,4 cm) with Attachment Bolts without Slap Hammer
3981	[Large] Overall Length: 10" (25,4 cm) without Attachment Bolts without Slap Hammer
3985	[Small] Overall Length: 8" (20,3 cm) without Attachment Bolt without Slap Hammer
3985-01	[Small] Overall Length: 8" (20,3 cm) with Attachment Bolt with Small OrthoVise™ Slap Hammer (#3955)
3985-T	[Small] Overall Length: 8" (20,3 cm) with Attachment Bolt without Slap Hammer

#### Long Nose

3965	[Large] Overall Length: 12" (30,5 cm) with Attachment Bolts with Large OrthoVise™ Slap Hammer (#3950)
3965-01	[Large] Overall Length: 12" (30,5 cm) with Attachment Bolts without Slap Hammer
3966	[Large Bent Jaw] with Attachment Bolt with Standard Slap Hammer (#3925)
3966-01	[Large Bent Jaw] without Attachment Bolt without Slap Hammer
3975	[Small] Overall Length: 9.5" (24,1 cm) without Attachment Bolt without Slap Hammer
3975-01	[Small] Overall Length: 9.5" (24,1 cm) with Attachment Bolt with Small OrthoVise™ Slap Hammer (#3955)
3975-T	[Small] Overall Length: 9.5" (24,1 cm) with Attachment Bolt without Slap Hammer

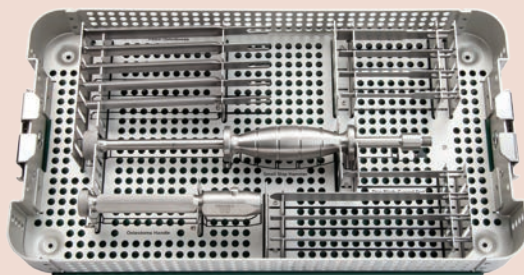
#### Threaded Adapters

3980-02	[Small Adapter] Changes Male End of a Slap Hammer to Female
3980-03	[Threaded Adapting Screw - Large] For use with 3965's, 3966's, 3980's, 3981
3985-03	[Threaded Adapting Screw - Small] For use with: 3975's, 3985's

#### Slap Hammers

3950	[Slap Hammer for Large OrthoVise] For use with 3965's, 3980's, 3981
3955	[Slap Hammer for Small OrthoVise] For use with: 3975's, 3985's
3925	[Standard Slap Hammer] For use with: 3966's





- ▶ Sharp, flexible blades are well suited for loosening implants from cement or bony ingrowth fixation
- ▶ Various blade widths and profiles allow great flexibility to follow the implant contours
- ▶ Modular handles are made of high impact surgical stainless steel and have a quick-coupling positive locking mechanism for ease of use and quick blade changes
- ▶ Slap hammer threads into the handle and is designed to facilitate blade removal

#### PRODUCT NO'S:

S0011-00 [Complete Set with Case]

#### Individual Instruments:

S1002	[Thin Osteotome Blade]	3" (7,6 cm) x 8 mm
S1003	[Thin Osteotome Blade]	3" (7,6 cm) x 10 mm
S1004	[Thin Osteotome Blade]	3" (7,6 cm) x 12 mm
S1005	[Thin Osteotome Blade]	3" (7,6 cm) x 20 mm
S1006	[Curved Thin Osteotome Blade]	3" (7,6 cm) x 12 mm
S1007	[Curved Thin Osteotome Blade]	3" (7,6 cm) x 20 mm
S1008	[Thin Osteotome Blade]	5" (12,7 cm) x 10 mm
S1009	[Thin Osteotome Blade]	5" (12,7 cm) x 8 mm
S1020	[Handle with Quick-Coupling End]	6" (15,2 cm)
S1133	[Radial Osteotome]	5" (12,7 cm) x 10 mm
S1120	[Radial Osteotome]	5" (12,7 cm) x 12 mm
S1134	[Radial Osteotome]	5" (12,7 cm) x 14 mm
S1121	[Radial Osteotome]	5" (12,7 cm) x 16 mm
S1122	[Radial Osteotome]	5" (12,7 cm) x 20 mm
S2007	[Slap Hammer]	12" (30,5 cm)
9018	[Case]	



## Optional Blades

*Curved Radial Blades are helpful in the removal of total hip stems*

Medial Curve Radial Blade

Lateral Curve Radial Blade

#### PRODUCT NO'S:

#### Optional Blades (Not Included In Complete Set)

S1123	[Extra Long Osteotome Blade]	9" (22,9 cm) x 8 mm
S1135	[Radial Osteo. Medial Curve]	6.75" (17,1 cm) x 11 mm
S1136	[Radial Osteo. Lateral Curve]	6.75" (17,1 cm) x 11 mm
S1137	[Radial Osteo. Medial Curve]	5" (12,7 cm) x 11 mm
S1138	[Radial Osteo. Lateral Curve]	5" (12,7 cm) x 11 mm
S1222	[Chisel Blade]	2.5" (6,4 cm) x 8 mm
S1223	[Chisel Blade]	2.5" (6,4 cm) x 10 mm
S1224	[Chisel Blade]	2.5" (6,4 cm) x 12 mm
S1225	[Chisel Blade]	2.5" (6,4 cm) x 20 mm
S1228	[Chisel Blade]	5" (12,7 cm) x 10 mm
S1229	[Chisel Blade]	5" (12,7 cm) x 8 mm
S1230	[Chisel Blade]	5" (12,7 cm) x 20 mm
S1231	[Chisel Blade]	5" (12,7 cm) x 12 mm



Medial and Lateral Curve Radial Blades designed by Henry Boucher, MD

# Flexible Osteotome System

*Provides an assortment of osteotome blades for various orthopedic surgery procedures*

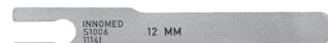
Slap Hammer



Handle with Quick-Coupling End



3" Thin Blades



Curved Thin Blades



5" Thin Blades



Radial Blades



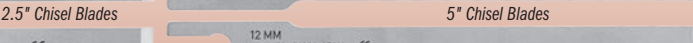
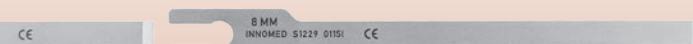
Extra Long 9" Blades



Medial Curve Radial Blades



Lateral Curve Radial Blades








## Modified Lambotte Osteotomes

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


Six (6) sizes available, from 1/4" to 1-1/2" in 1/4" increments. Cross-bar and case included in complete set. Two smallest sizes have an 1/8" hole in which an 1/8" pin can be used as a cross bar (not included).

PRODUCT NO'S:	
5350-00 [Set w/Case]	
<b>Also Available Individually:</b>	
5350-25 [1/4" (6 mm)] Overall Length: 9" (22,9 cm) Osteotome Width: .25" (6,35 mm)	5350-100 [1" (25 mm)] Overall Length: 9" (22,9 cm) Osteotome Width: 1" (25,4 mm)
5350-50 [1/2" (13 mm)] Overall Length: 9" (22,9 cm) Osteotome Width: .5" (12,7 mm)	5350-125 [1-1/4" (32 mm)] Overall Length: 9" (22,9 cm) Osteotome Width: 1.25" (31,75 mm)
5350-75 [3/4" (19 mm)] Overall Length: 9" (22,9 cm) Osteotome Width: .75" (19 mm)	5350-150 [1-1/2" (38 mm)] Overall Length: 9" (22,9 cm) Osteotome Width: 1.5" (38,1 mm)
5350-CB [Cross Bar]	5350-CASE [Case]



## 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)	



## 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)




## Periosteal Elevator

*Designed for better control*

Designed with a curved end for easier use, and sharper sides for ease of elevating and stripping. The handle is designed for better control.



PRODUCT NO'S:	
3450 [Curved] Overall Length: 7.5" (19,1 cm) Handle Length: 4.5" (11,4 cm) Blade Size: 16 x 13 mm	
3455 [Straight] Overall Length: 7.75" (19,7 cm) Handle Length: 4.5" (11,4 cm) Blade Size: 19 x 14 mm	

## 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*

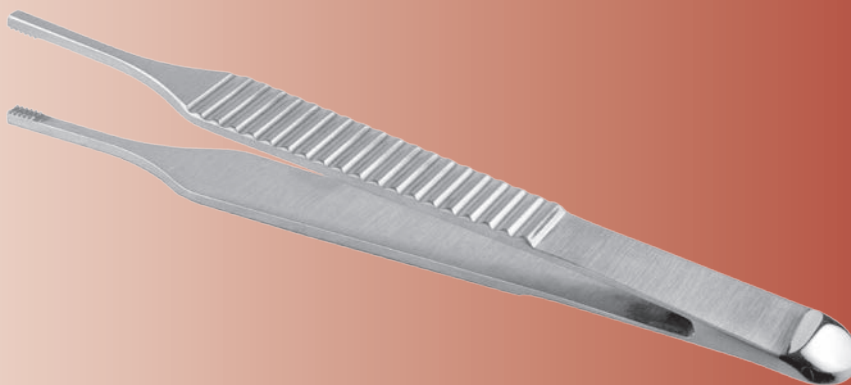
Allows the opportunity to do soft tissue dissection, cleaning of the bone or bone fragments in a fracture, push bone fragments to hold a reduction in a fracture, separate soft tissue, and turn it around to pick up tissue without having to switch instruments back and forth.

**PRODUCT NO:**

1166

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

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FOR INNOMED IN  
GERMANY



## Charnley Type Tissue Needle Forceps

Designed by Amal Das Jr., MD

*Helpful for wound closure in deep areas with fascia under tension such as hip or knee replacement*

Can also help retrieve a needle in a tight area.

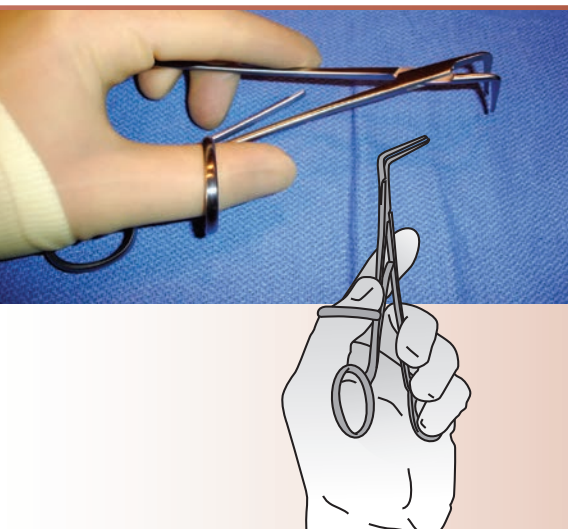


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FOR INNOMED IN  
GERMANY

**PRODUCT NO:**

1165

Overall Length: 6.875" (17,5 cm)



## Freeman Forceps

Designed by Carl R. Freeman, MD

*Designed to help with hand pain, fatigue, and hand arthritis*

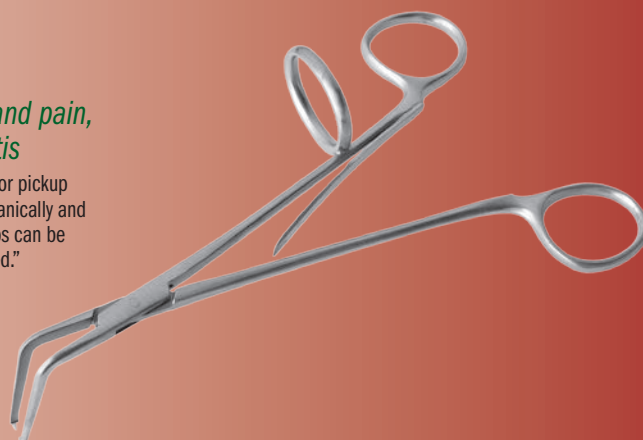
Allows surgeons to utilize a forceps or pickup type instrument using a more mechanically and ergonomically favorable grip. Forceps can be used with a full-hand grip or "palmed."

**PRODUCT NO:**

1174

Overall Length: 6.875" (17,5 cm)

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FOR INNOMED IN  
GERMANY



## Long Bonney Tissue Forceps

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

**PRODUCT NO:**

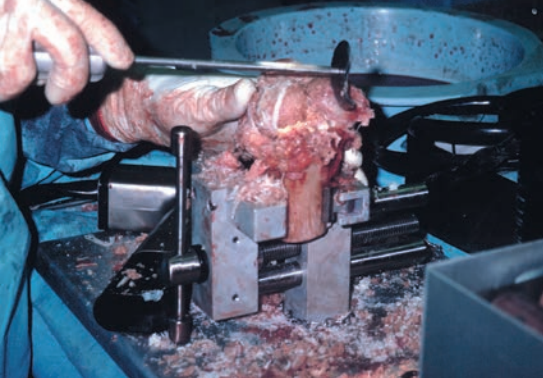
5040

Overall Length: 10" (25,4 cm)

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GERMANY







## Allograft Bone Vise

*Holds allograft bone for reaming, shaping or cutting*

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

### PRODUCT NO:

8215

Base Dimensions: 8.25" x 11" (21,6 cm x 27,9 cm)



## 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.

### PRODUCT NO'S:

Short: 6" (15,2 cm) Length

Long: 10" (25,4 cm) Length

5010-01 1/8" (3,2 mm) Diameter End

5050-01 1/8" (3,2 mm) Diameter End

5010-02 3/16" (4,8 mm) Diameter End

5050-02 3/16" (4,8 mm) Diameter End

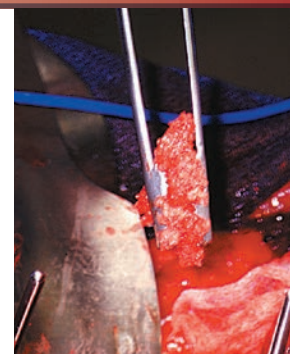
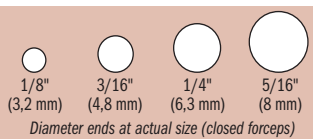
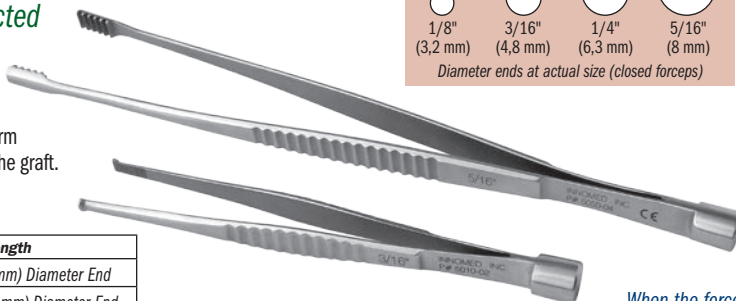
5010-03 1/4" (6,3 mm) Diameter End

5050-03 1/4" (6,3 mm) Diameter End

5010-04 5/16" (8 mm) Diameter End

5050-04 5/16" (8 mm) Diameter End

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



## Modular Impactor Set

*Makes multiple impactor heads easily visible and available*

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



### PRODUCT NO:

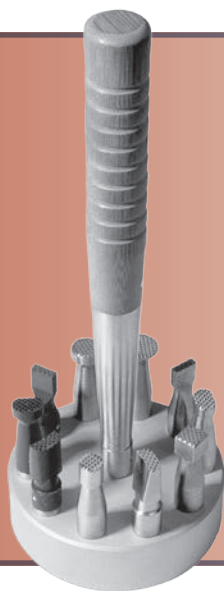
5370 [Complete Set]

Overall Handle Length: 8" (20,3 cm)

Grip Length: 4.5" (11,4 cm)

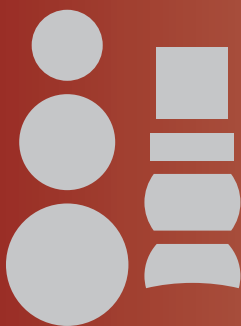
Exposed Impactor Head Lengths: 1.45" (3,7 cm)

Base Diameter: 3.5" (8,9 cm)



Stainless  
Impactor Sizes

Delrin  
Impactor Sizes



## 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]

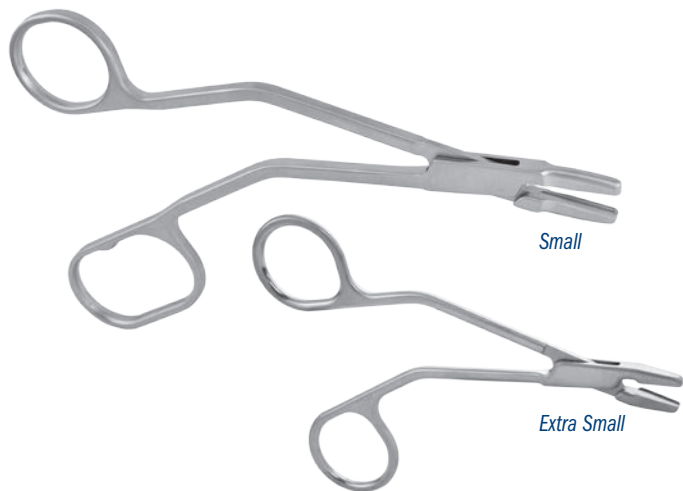
5335 [15 mm Round]

5336 [12 mm Round]

5337 [9 mm Round]







## Yezerksi Small Bone Rongeurs

Designed by John Yezerksi, MD

*Designed for small bone applications in the hand and foot*

### PRODUCT NO'S:

1789 [Small]  
Overall Length: 7.125" (18,1 cm)  
Jaw Width: 4 mm  
Jaw Bite Width: 3 mm  
Jaw Bite Length: 20 mm

1789-01 [Extra Small]  
Overall Length: 4.5" (11,4 cm)  
Jaw Width: Tapers from 4,7 mm to 3 mm  
Jaw Bite Length: 15 mm



**New!**

## Tissue Graspers with Shark Teeth

Designed by Luis Ulloa

*Shark teeth help to grasp on to tissue and bone*

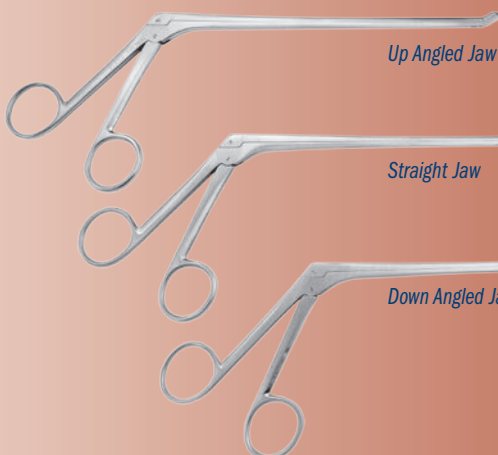
Shaft allows for use in narrow spaces.

### PRODUCT NO'S:

1784-01 [Up Angled Jaw]  
Shaft Length: 7" (17,8 cm)  
Overall Length: 10" (25,4 cm)  
Jaw: 9 mm Long x 5 mm High x 1.8 mm Wide

1784-02 [Straight Jaw]  
Shaft Length: 7" (17,8 cm)  
Overall Length: 10" (25,4 cm)  
Jaw: 9 mm Long x 5 mm High x 1.8 mm Wide

1784-03 [Down Angled Jaw]  
Shaft Length: 7" (17,8 cm)  
Overall Length: 10" (25,4 cm)  
Jaw: 9 mm Long x 5 mm High x 1.8 mm Wide



## Shark Tooth Grasper

Designed by Luis Ulloa

*Sharp teeth help grasp onto tissue and bone*

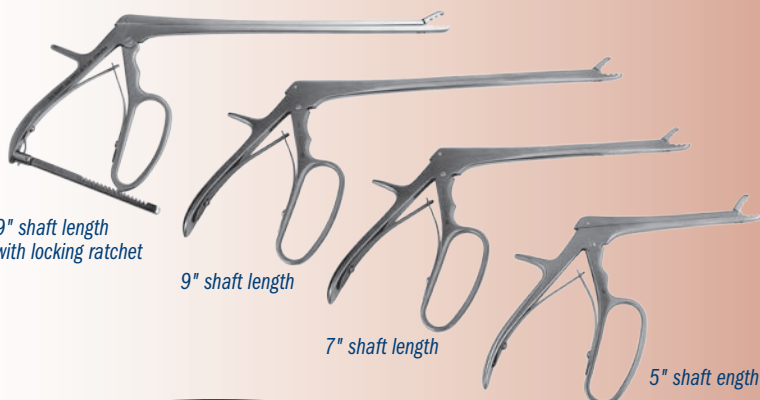
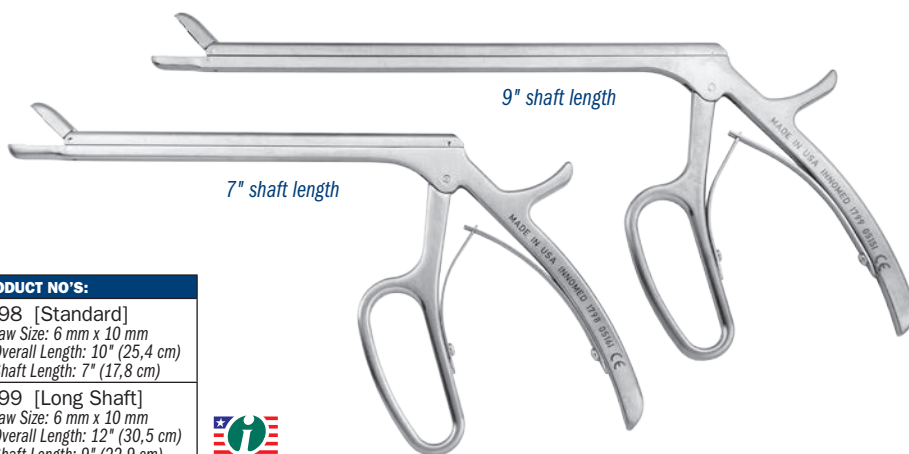
Helpful in removing the labrum, and osteophytes around the acetabulum and around the glenoid. Also helps to remove meniscus, osteophytes and loose bodies. Helps facilitate working through a small incision without disrupting vision.



### PRODUCT NO'S:

1798 [Standard]  
Jaw Size: 6 mm x 10 mm  
Overall Length: 10" (25,4 cm)  
Shaft Length: 7" (17,8 cm)

1799 [Long Shaft]  
Jaw Size: 6 mm x 10 mm  
Overall Length: 12" (30,5 cm)  
Shaft Length: 9" (22,9 cm)



## Intraarticular Tissue Grasper/Rongeur

*Used to securely grasp tissue or can be used to rongeur tissue*

### PRODUCT NO'S:

1790-01 [5"]  
Overall Length: 8" (20,3 cm)  
Shaft Length: 5" (12,7 cm)

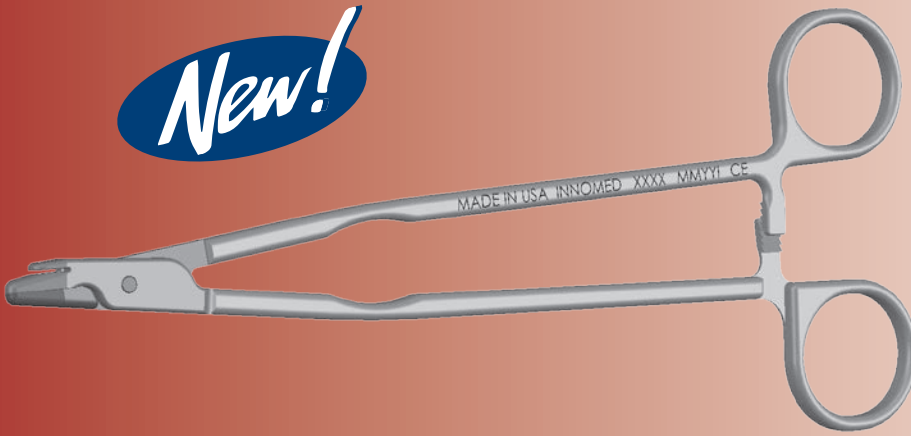
1790-03 [7"]  
Overall Length: 10" (25,4 cm)  
Shaft Length: 7" (17,8 cm)

1790-02 [9"]  
Overall Length: 12" (30,5 cm)  
Shaft Length: 9" (22,9 cm)

1791-02 [9" w/Locking Ratchet]  
Overall Length: 12" (30,5 cm)  
Shaft Length: 9" (22,9 cm)



**New!**



## Bates Needle Holder with Suture Cutter

Designed by James E. Bates, MD

*By trapping the suture and cutting when the forcep is opened, helps to reduce stress on the surgeon's hand*

### PRODUCT NO:

3071

Overall Length: 8.125" (20,6 cm)

Jaw Width: .25" (6,4 mm)

Open Jaw Length: .5" (12,8 mm)



Suture Cutter

Needle Holder



*Longer sizes are helpful in orthopedics*

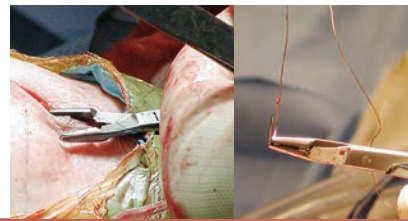
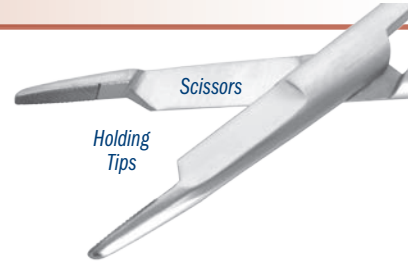
## Orthopedic Needle Holder/Scissors

*Drive a needle and cut a suture without changing instruments*

### PRODUCT NO'S:

Standard Tips	Tungsten Carbide Tips
	3045 4.5" (11,4 cm)
3050 5.5" (14 cm)	3055 5.5" (14 cm)
3060 6.5" (16,5 cm)	3065 6.5" (16,5 cm)
3070 7.0" (17,8 cm)	3075 7.0" (17,8 cm)

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## Stanton Needle Driver

Designed by John L. Stanton, MD, FACS

*Allows a heavy cutting needle such as an OS-6 to be pushed through cancellous bone when re-attaching muscle or tendon*

The groove captures the outer (convex) side of the needle and prevents the needle from spinning even when applying significant pressure. Useful for reattaching the rotator cuff in rotator cuff repairs, as well as in attaching suture anchors.

### PRODUCT NO:

3042

Overall Length: 6.75 (17,1 cm)

Jaw Width: .25" (6,3 mm)



## Radiopaque Goniometers

Transparent to X-ray—only white radiopaque markings show for easy reading. Used to check for X-ray distortion.

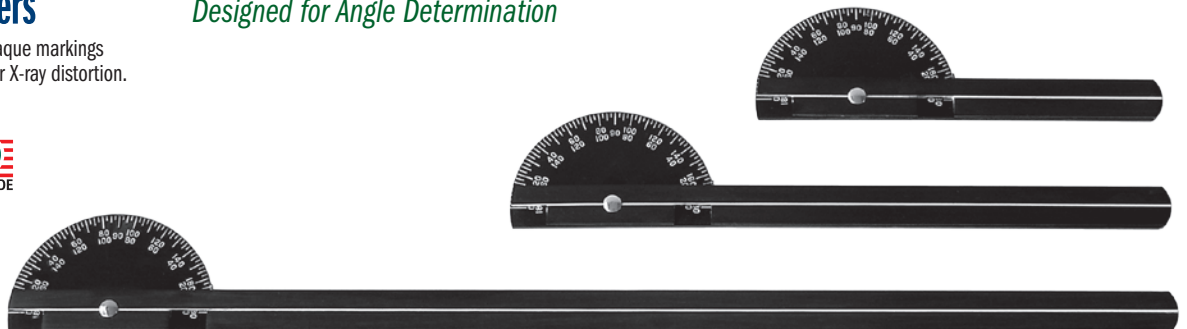
Cannot be sterilized.

### PRODUCT NO'S:

2000 [Set of 3]
2005 [Finger-size] Overall Length: 5" (12,7 cm)
2010 [Medium] Overall Length: 8" (20,3 cm)
2015 [Large] Overall Length: 14" (35,6 cm)



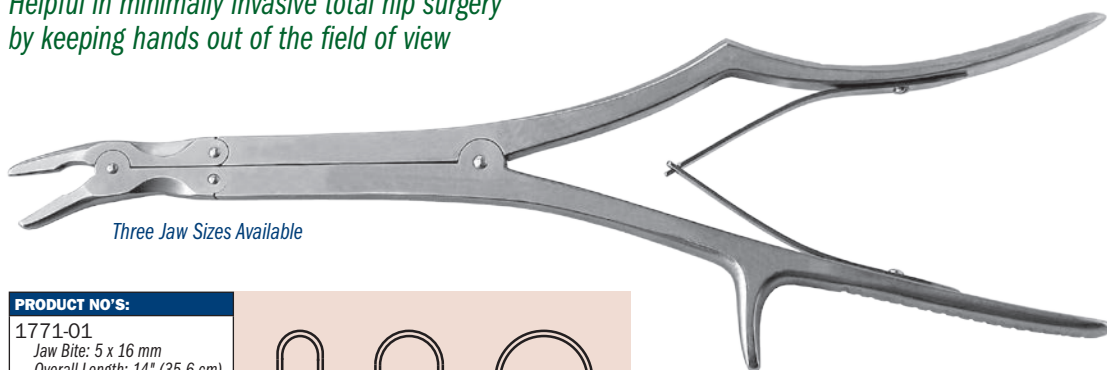
*Designed for Angle Determination*





## Extra Long Rongeur

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



Three Jaw Sizes Available

### PRODUCT NO'S:

1771-01  
Jaw Bite: 5 x 16 mm  
Overall Length: 14" (35,6 cm)

1771-02  
Jaw Bite: 8 x 16 mm  
Overall Length: 14" (35,6 cm)

1771-03  
Jaw Bite: 12 x 16 mm  
Overall Length: 14" (35,6 cm)



5 x 16 mm



8 x 16 mm



12 x 16 mm

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GERMANY



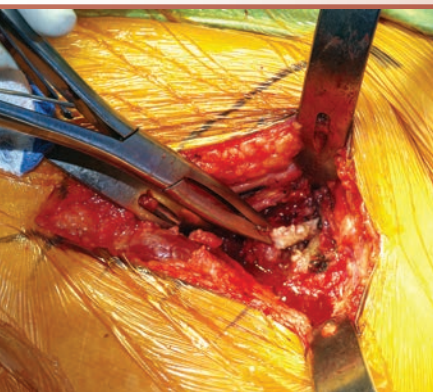
## Mazzara Pistol Grip Extra Long Rongeur

Designed by James T. Mazzara, MD

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

### PRODUCT NO:

1768-02  
Jaw Bite: 8 x 16 mm  
Overall Length: 12.5" (31,8 cm)  
Shaft-to-End Length: 6" (15,2 cm)



## Hannum Tissue Grasper

Designed by Scott Hannum, MD

*Teeth in jaw firmly holds  
bone and tissue*

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GERMANY



Three Jaw Sizes Available

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

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

Three jaw sizes: short for holding bone, medium  
for smaller bones, and long for tissue.

### PRODUCT NO'S:

1775-01 [Short Jaw]  
8 mm Jaw Width  
Overall Length: 9.25" (23,5 cm)

1775-02 [Medium Jaw]  
5 mm Jaw Width  
Overall Length: 9.25" (23,5 cm)

1775-03 [Long Jaw]  
3 mm Jaw Width  
Overall Length: 9.25" (23,5 cm)

Jaw widths at actual size



8 mm

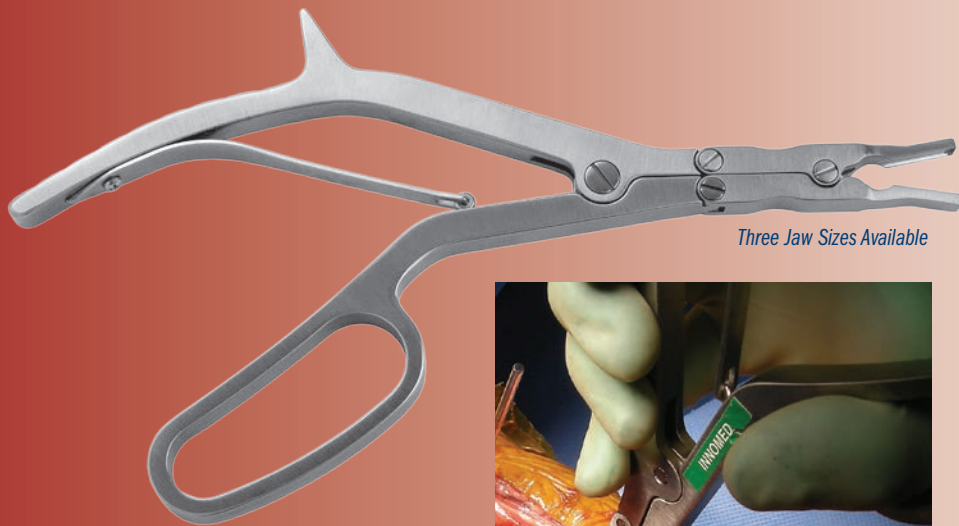


5 mm

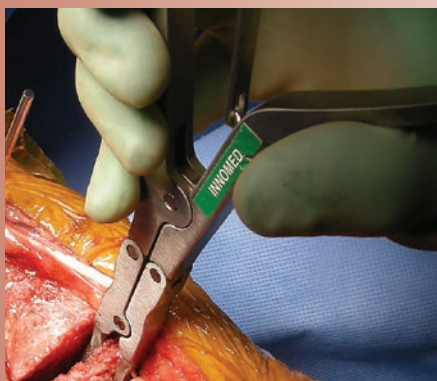


3 mm





Three Jaw Sizes Available



## Macko Square Tipped Rongeur

Designed by Victor W. Macko, MD

*Unique square tipped rongeur features an ergonomic grip, double action mechanism, long reach, and low profile for use in total knee, ankle, hip, and spine surgery*

When used for morcelizing bone graft, the shallow, wide jaw helps avoid impaction.

### PRODUCT NO'S:

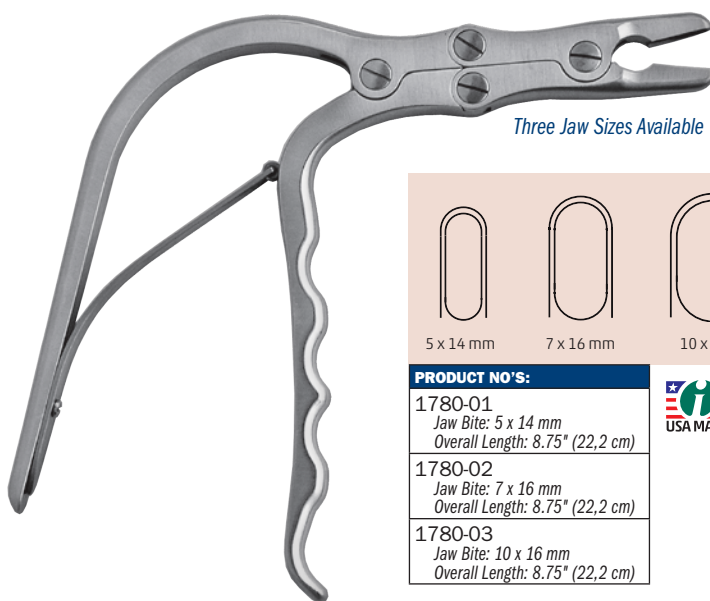
1778-01
Jaw Bite: 5 x 18 mm
Overall Length: 10" (25,4 cm)
1778-02
Jaw Bite: 7 x 18 mm
Overall Length: 10" (25,4 cm)
1778-03
Jaw Bite: 10 x 18 mm
Overall Length: 10" (25,4 cm)



## Ortho Rongeur with Easy Grip Handle

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

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

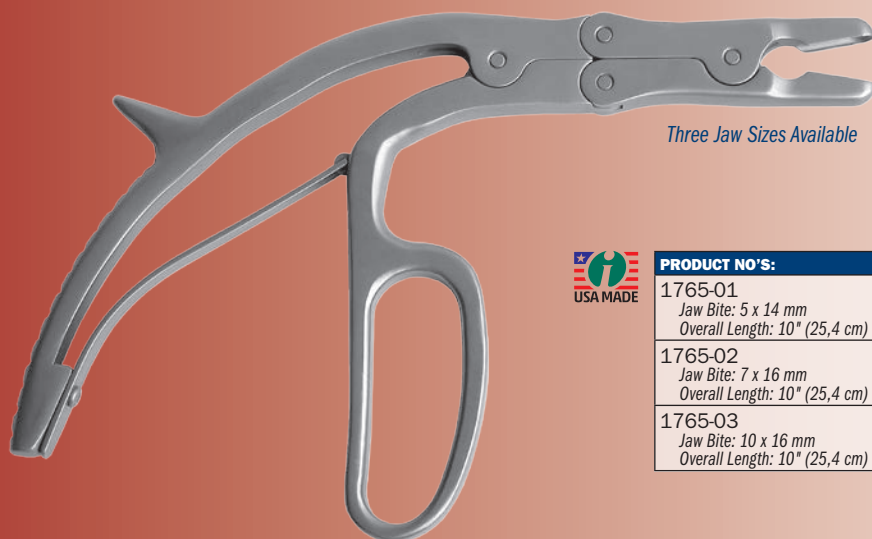


Three Jaw Sizes Available



### PRODUCT NO'S:

1780-01
Jaw Bite: 5 x 14 mm
Overall Length: 8.75" (22,2 cm)
1780-02
Jaw Bite: 7 x 16 mm
Overall Length: 8.75" (22,2 cm)
1780-03
Jaw Bite: 10 x 16 mm
Overall Length: 8.75" (22,2 cm)



Three Jaw Sizes Available



### PRODUCT NO'S:

1765-01
Jaw Bite: 5 x 14 mm
Overall Length: 10" (25,4 cm)
1765-02
Jaw Bite: 7 x 16 mm
Overall Length: 10" (25,4 cm)
1765-03
Jaw Bite: 10 x 16 mm
Overall Length: 10" (25,4 cm)

## Mazzara Rongeur with Pistol Grip Handle

Designed by James T. Mazzara, MD

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



## Chuck Key Handle

*Snaps onto a standard chuck key giving better leverage*

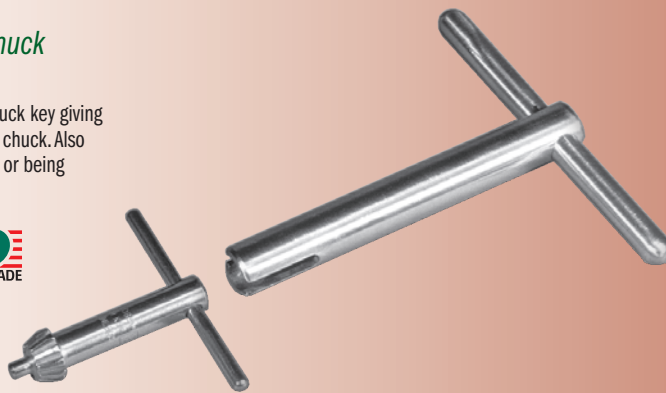
Designed to snap onto a standard chuck key giving better leverage during tightening of a chuck. Also helps keep a chuck key from slipping or being dropped during surgery.

**PRODUCT NO:**

5560

Overall Length: 4" (10,2 cm)

Chuck Key Not Included



## Large Handle Chuck Key

*For easy tightening/untightening of a chuck*

Designed to allow a chuck to be tightened and untightened easily.



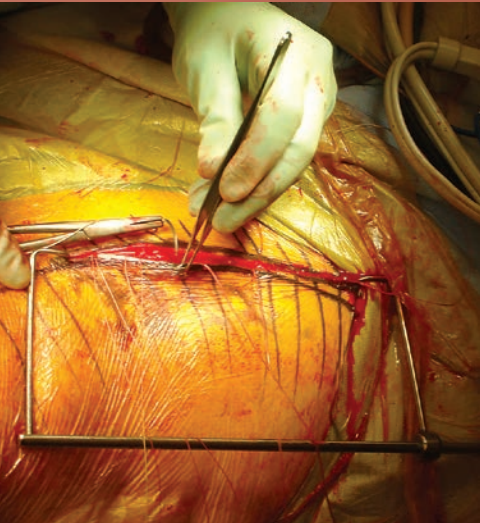
**PRODUCT NO:**

5517-01

Chuck Size: 1/4" (6,4 mm)

Overall Length: 10.5" (26,7 cm)

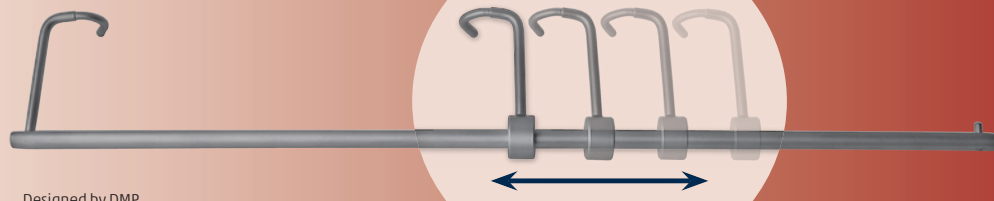
Handle Length: 4.5" (11,4 cm)



## Incision Aligner

*Designed to align an incision during closing*

The bent ends of the aligner are placed at each end of an incision, which is aligned by pulling outward on each end. The sliding end will lock in place when it is tensioned. Pressing inward slightly on the sliding end will allow the aligner to be collapsed and removed.



Designed by DMP

**PRODUCT NO:**

1330

Overall Length: 14" (35,6 cm)

Blade Offset: 45 mm



**PRODUCT NO:**

8628

Overall Length: 4.75" (12,1 cm)

Width: 1.5" (3,8 cm)

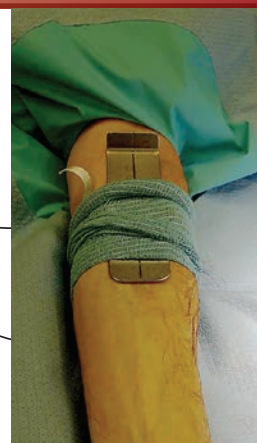
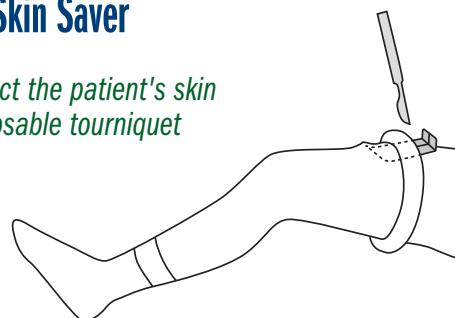
Lip: .5" (1,3 cm)



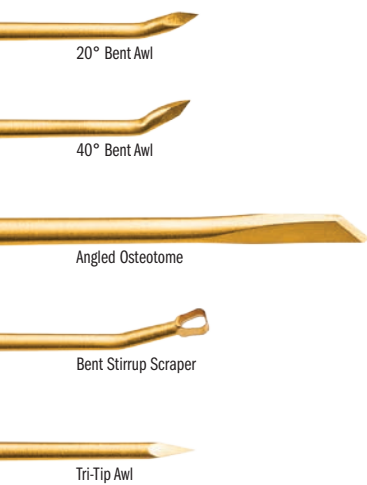
## Dodson Extremity Skin Saver

Designed by Mark A. Dodson, MD

*Designed to help protect the patient's skin when removing a disposable tourniquet*







## Nordt Precision Micro Fracture Set

Designed by William E. Nordt, III, MD

- Helps create sharp cartilage shoulders
- Precise microfracture points

### PRODUCT NO'S:

8025-00 [Complete Set]

### Also available individually:

8025-01 [20° Bent Awl]  
Overall Length: 10" (25,4 cm)

8025-02 [40° Bent Awl]  
Overall Length: 10" (25,4 cm)

8025-03 [Angled Osteotome]  
Overall Length: 10.875" (27,6 cm)

8025-04 [Bent Stirrup Scraper]  
Overall Length: 10.125" (25,7 cm)

8025-05 [Tri-Tip Awl]  
Overall Length: 10" (25,4 cm)

8025-CASE [Case]

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



## Micro Curettes

### PRODUCT NO'S:

#### Straight Micro Curettes

Overall Length: 9.75" (24,8 cm)  
Shaft Length: 4.5" (11,4 cm)

4242 Cup Size 2

4240 Cup Size 1

4244 Cup Size 4/0

4246 Cup Size 6/0

#### Angled Micro Curettes

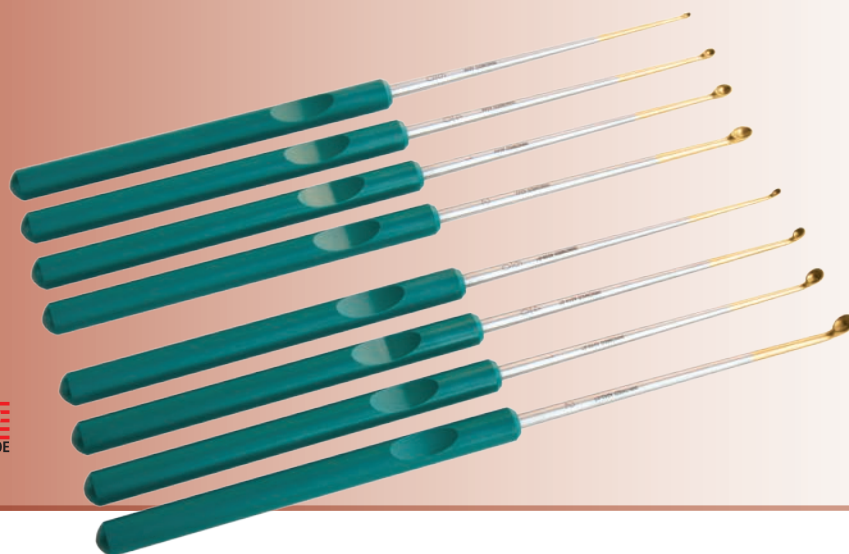
Overall Length: 9.75" (24,8 cm)  
Shaft Length: 4.5" (11,4 cm)

4242-01 Cup Size 2

4240-01 Cup Size 1

4244-01 Cup Size 4/0

4246-01 Cup Size 6/0



Four cup sizes,  
straight or 45°  
angled-end  
shaft



## Large Bone Curettes

Designed with a 5/16" (8 mm)  
diameter shaft allowing better  
visualization of the operative area

The contoured handle is designed to keep the curette from slipping  
in the surgeon's hand and for better control. The Angled Large Curette  
is designed for use in the acetabulum or exposed bone.



### PRODUCT NO'S:

5160 [Set of 1 each w/Case]

### Also sold individually:

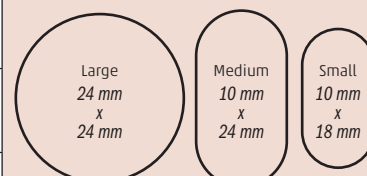
5160-01 [Angled Small]  
Curette End: 10 mm X 18 mm  
Overall Length: 15" (38,1 cm)  
Handle Length: 4.5" (11,4 cm)

5160-02 [Straight Small]  
Curette End: 10 mm X 18 mm  
Overall Length: 15" (38,1 cm)  
Handle Length: 4.5" (11,4 cm)

5160-03 [Angled Medium]  
Curette End: 10 mm X 24 mm  
Overall Length: 15" (38,1 cm)  
Handle Length: 4.5" (11,4 cm)

5160-04 [Angled Large]  
Curette End: 24 mm X 24 mm  
Overall Length: 15" (38,1 cm)  
Handle Length: 4.5" (11,4 cm)

5160-05 [Straight Medium]  
Curette End: 10 mm X 24 mm  
Overall Length: 15" (38,1 cm)  
Handle Length: 4.5" (11,4 cm)

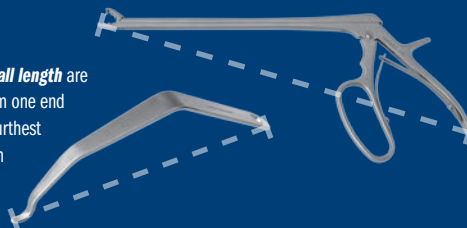


Curette Ends at Actual Size

## 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:





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\*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.

10-17

*New!*

## 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)

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

Hudson  
Quick-connect

