

# INNOMED

ORTHOPEDIC INSTRUMENTS



JULY  
2025

## Non-Metallic Mallet

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## Self-Centering Verbrugge Bone Clamp

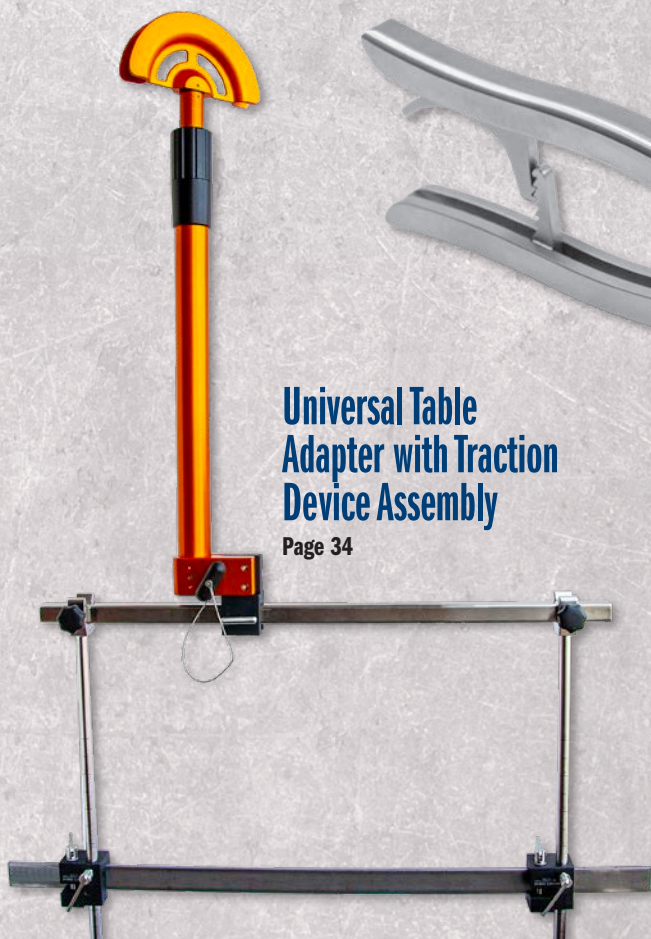
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Featuring many **New!** instruments throughout

## Universal Table Adapter with Traction Device Assembly

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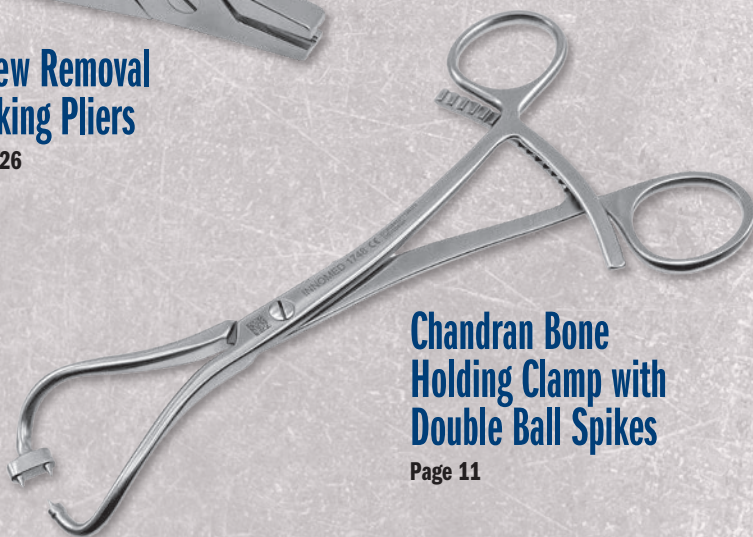
## Screw Removal Locking Pliers

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## Chandran Bone Holding Clamp with Double Ball Spikes

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# Trauma Instruments

1.800.548.2362



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## Non-Metallic Mallet

Designed by Justin Duke, MD

*Designed to be used when adjustments are needed for implants. The non-metallic material insures that no metal is transferred to the implant.*



### PRODUCT NO:

**7834**

Overall Length: 8.25" (21 cm)  
Handle Length: 4.75" (12 cm)  
Head Diameter: 1.5" (3,8 cm)



## Soft Impact Mallets with Easy Grip Handles

Weidman handle designed by Kevin Weidman, MD

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

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

The mallet with delrin head features a replaceable delrin head.

### Easy Grip Handles

Textured  
Soft  
Silicone



Comfortable grip helps prevent the surgeon's gloved hand from slipping and helps maintain a solid grip.



2 lbs. Standard  
#7820

2 lbs. w/Weidman Handle  
#7821

2 lbs. w/Delrin End  
#7832

3 lbs. Standard  
#7837

*Provides shock-absorbing force*



Replacement Delrin Heads

### PRODUCT NO'S:

**7820** [2 lbs. Standard]

Weight: 2 lbs. (.907 kg)  
Overall Length: 10.5" (26,7 cm)  
Handle Length: 5" (12,7 cm)  
Head Width: 3.5" (8,9 cm)  
Head Diameter: 1.375" (3,5 cm)

**7821** [2 lbs. w/Weidman Handle]

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

**7832** [2 lbs. With Delrin End]

Weight: 2 lbs. (.907 kg)  
Overall Length: 10.5" (26,7 cm)  
Handle Length: 5" (12,7 cm)  
Head Width: 3.5" (8,9 cm)  
Head Diameter: 1.375" (3,5 cm)

**7837** [3 lbs. Standard]

Weight: 3 lbs. (1,35 kg)  
Overall Length: 11" (27,9 cm)  
Handle Length: 5" (12,7 cm)  
Head Width: 3.5" (8,9 cm)  
Head Diameter: 1.875" (4,8 cm)

### Delrin Head Replacements for 7832:

**7832-HEAD01** [.5" Stud] Single

**7832-HEAD02** [.5" Stud] 3-Pack

**7832-HEAD03** [.875" Stud] Single

**7832-HEAD04** [.875" Stud] 3-Pack



## 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.

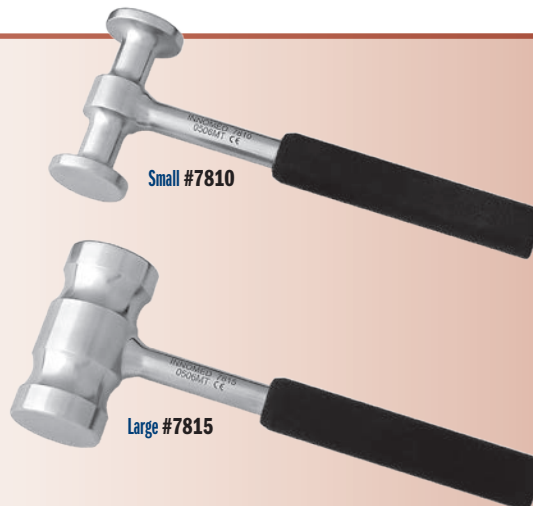
### PRODUCT NO'S:

**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)



Small #7810

Large #7815

### Easy Grip Handles Textured Soft Silicone



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*



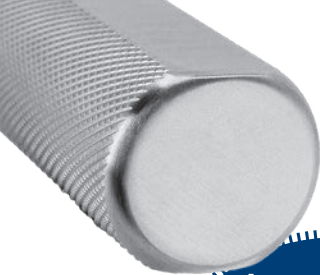
This striking instrument has a unique hand fitting shape that provides superior gripping strength for accurate light to heavy impaction.



### 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)



## Ortho Mallets

Larger diameter handle and longer for a better grip



Standard  
2.5 Lbs.  
#7812

Standard  
with Flat Sides  
2.25 Lbs.  
#7811

**New!**

### PRODUCT NO'S:

**7811** [Standard w/ Flat Sides]

Overall Length: 7.75" (19.7 cm)

Handle Length: 4.812 (12.2 cm)

Head Diameter: 1.5" (3.8 cm)

Head Weight: 2.25 lb. (1.02 kg)

**7812** [Standard]

Overall Length: 7.75" (19.7 cm)

Handle Length: 4.812 (12.2 cm)

Head Diameter: 1.5" (3.8 cm)

Head Weight: 2.5 lb. (1.13 kg)



- ▶ Stainless steel head and shaft with an aluminum handle with a right-handed grip
- ▶ Large and small striking heads with smooth surface
- ▶ Palmar side of the mallet features a flat surface to slide along a broach or impacting type instrument for back slapping and serves well as an additional striking surface



### PRODUCT NO:

**7822**

Overall Length: 10.75" (27.3 cm)

Head Width: 4" (10.2 cm)

Large Head Diameter: 2" (5.1 cm)

Small Head Diameter: 1.5" (3.8 cm)



## Bechtold Enhanced Grip Ortho Mallet

Designed by Dustin Bechtold, MD

*Ergonomically designed for forward and backward strikes, featuring an ergonomic handle with a tamp*

## Aluminum Tapered Maul/Mallet

*The large surface area allows the surgeon to focus on the action area of the instrument being struck, instead of making sure the mallet will strike the end of the instrument, much like a sculptors mallet*



### PRODUCT NO:

**7828** [2.5 lbs]

Overall Length: 9.15" (23.2 cm)

Handle Length: 6" (15.2 cm)

End Diameter: 3" (7.6 mm)

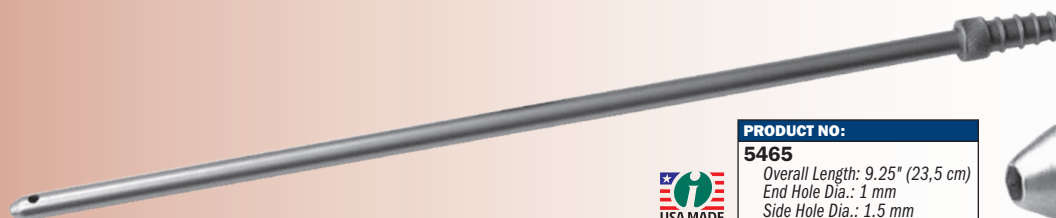


## Ortho Suction Tube

Designed by T. Eickmann, MD

*Very effective for suction and minor retracting*

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



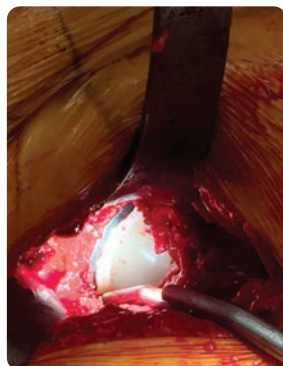
### PRODUCT NO:

**5465**

Overall Length: 9.25" (23.5 cm)

End Hole Dia.: 1 mm

Side Hole Dia.: 1.5 mm



## Lighted Yankaur Suction Device

Designed by Adolph V. Lombardi Jr., MD

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

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



Delrin Handle

### PRODUCT NO:

**8016-L**

Overall Length: 11.75" (29.8 cm)

Handle Length: 3.93" (10 cm)

Handle Width: .86" (2.2 cm)

Suction Tube Diameter: .25" (6.35 mm)





1/2" with Teeth #3432  
1/2" without Teeth #3436

1" with Teeth #3434  
1" without Teeth #3438

Available with or  
without teeth

## 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                                                                                  |
| <b>3432</b> [1/2" with Teeth]<br>Overall Length: 11" (27,9 cm)<br>Blade Width: 1/2" (13 mm) | <b>3436</b> [1/2" without Teeth]<br>Overall Length: 11" (27,9 cm)<br>Blade Width: 1/2" (13 mm) |
| <b>3434</b> [1" with Teeth]<br>Overall Length: 11" (27,9 cm)<br>Blade Width: 1" (25,4 mm)   | <b>3438</b> [1" without Teeth]<br>Overall Length: 11" (27,9 cm)<br>Blade Width: 1" (25,4 mm)   |



## Bradley Periosteal Elevator

Designed by Gary W. Bradley, MD

| PRODUCT NO'S:                                                                    |  |
|----------------------------------------------------------------------------------|--|
| <b>4719</b> [1/2"]<br>Overall Length: 11" (27,9 cm)<br>Blade Width: .5" (13 mm)  |  |
| <b>4720</b> [3/4"]<br>Overall Length: 11" (27,9 cm)<br>Blade Width: .75" (19 mm) |  |



1/2" #4719

3/4" #4720

## Periosteal Elevator

### Designed for better control

Designed with sharper sides for ease of elevating and stripping. The handle is designed for better control.



Straight Shaft with  
Rounded Blade End  
#3455

Angled Shaft with  
Straight Blade End  
#3450

| PRODUCT NO'S:                                                                                                                                       |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>3450</b> [Angled Shaft with<br>Straight Blade End]<br>Overall Length: 7.75" (19,7 cm)<br>Handle Length: 4.5" (11,4 cm)<br>Blade Size: 19 x 14 mm |  |
| <b>3455</b> [Straight Shaft with<br>Rounded Blade End]<br>Overall Length: 7.5" (19,1 cm)<br>Handle Length: 4.5" (11,4 cm)<br>Blade Size: 16 x 13 mm |  |



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

## Gelbke Cobb Elevator with Suction

Designed by Martin K. Gelbke, MD



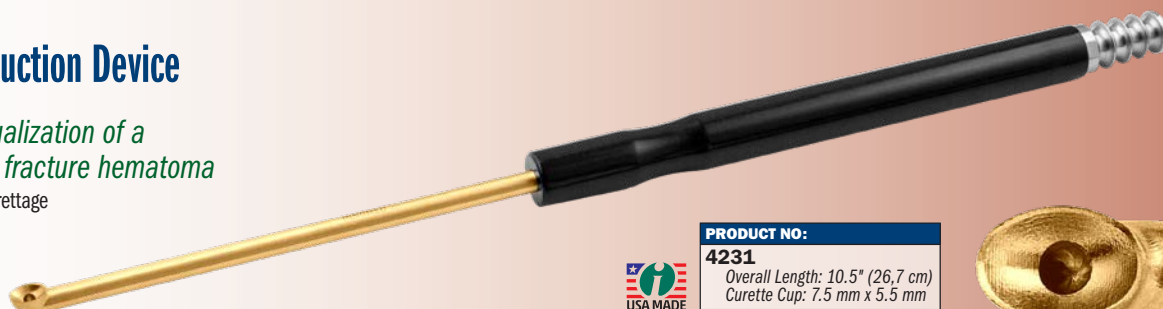
| PRODUCT NO:                                                                                                            |  |
|------------------------------------------------------------------------------------------------------------------------|--|
| <b>3433</b><br>Overall Length: 12.75" (32,4 cm)<br>Cobb End Width: 18 mm (.7")<br>Shaft plus Head Length: 5.5" (15 cm) |  |

## Beicker Curette Suction Device

Designed by Clint Beicker, MD

Designed to help visualization of a  
fracture site within a fracture hematoma

Also useful for arthroscopic curettage  
of osteochondral lesions.



| PRODUCT NO:                                                                    |  |
|--------------------------------------------------------------------------------|--|
| <b>4231</b><br>Overall Length: 10.5" (26,7 cm)<br>Curette Cup: 7.5 mm x 5.5 mm |  |





## Extended Scalpel Handle

Designed by Richard Pelliccio, MD

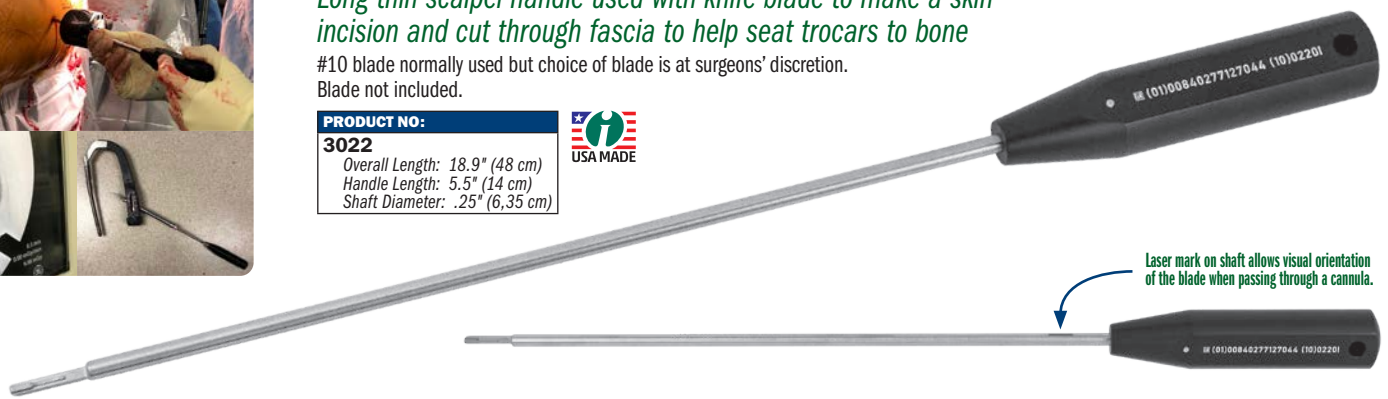
*Long thin scalpel handle used with knife blade to make a skin incision and cut through fascia to help seat trocars to bone*

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

### PRODUCT NO:

**3022**

Overall Length: 18.9" (48 cm)  
Handle Length: 5.5" (14 cm)  
Shaft Diameter: .25" (6,35 cm)



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

## Bacastow Tibial Plateau Elevators

Designed by David Bacastow, MD

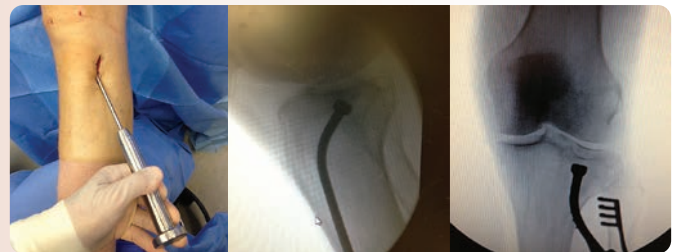


### PRODUCT NO'S:

**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

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



Finish  
10.4 mm  
#5298

Starter  
4.7 mm  
#5297

## Malleable Bone Tamps

Modified by Serge Kaska, MD

*The large tamp is designed to help elevate a depressed tibial plateau fracture, while the small tamp can help elevate a depressed tibial plafond and smaller tibial plateau fractures*

### PRODUCT NO'S:

**5296** [Large]  
Overall Length: 14" (35,6 cm)  
Shaft Length: 9.5" (24,1 cm)  
Impactor Diameter: 12.5 mm

**5296-01** [Small]  
Overall Length: 9.5" (24,1 cm)  
Shaft Length: 6" (15,2 cm)  
Impactor Diameter: 10 mm

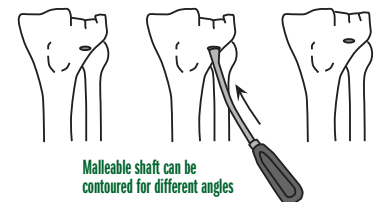
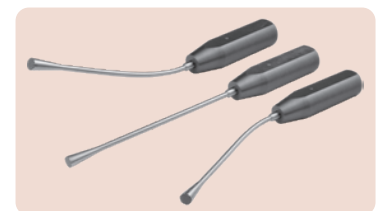
**5296-02** [Extra Small]  
Overall Length: 11.4" (29 cm)  
Shaft Length: 5.9" (15 cm)  
Impactor Diameter: 6.5 mm



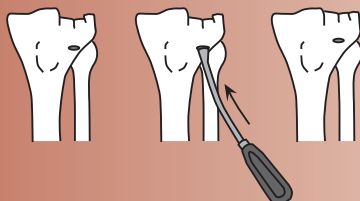
Large  
12.5 mm  
#5296

Small  
10 mm  
#5296-01

Extra Small  
6.5 mm  
#5296-02



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")



## Self-Centering Verbrugge Bone Clamp

Features an easy release  
locking mechanism

### PRODUCT NO'S:

**3639** [Standard]

Overall Length: 8" (20,3 cm)

Maximum Jaw Opening: 2" (5,1 cm)

Upper Jaw Width: 7 mm

Lower Jaw Width: 2,5 mm

**3639-L** [Large]

Overall Length: 10.4" (26,5 cm)

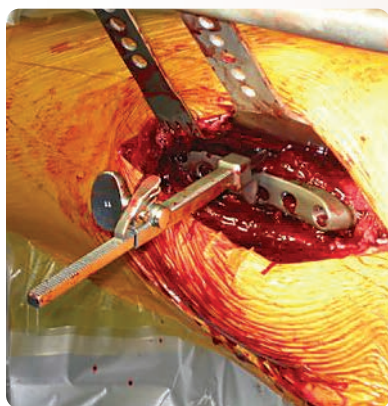
MADE FOR INNOMED IN  
GERMANY

*New!*



Standard  
#3639

Large  
#3639-L



## 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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Large  
#1867

Small  
#1868



## 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.

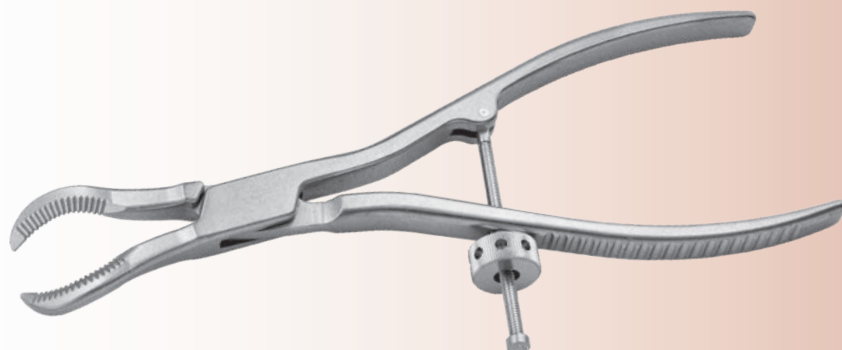
### PRODUCT NO:

**1379**

Overall Length: 9.25" to 11.5"

(23,5 to 29,2 cm)

Maximum Bone Diameter: ~ 35 mm



## Bone Clamp with Speed Lock

Designed to help hold  
a bone in position for reduction

### PRODUCT NO:

**3659**

Overall Length: 9.125 (23,2 cm)



**PRODUCT NO:**

**3850**

Overall Length: 12.875" (32,7 cm)

Handle Length: 7.5" (19,1)

Jaw Length: 5.25" (13,3 cm)

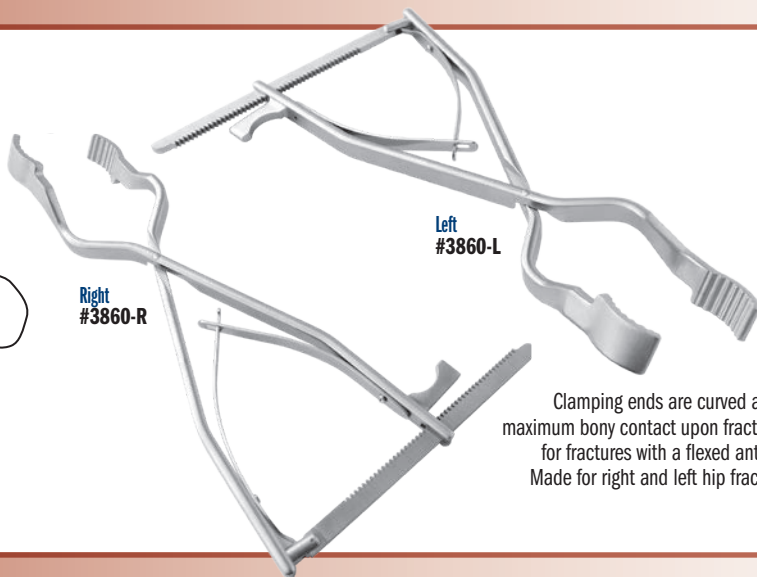
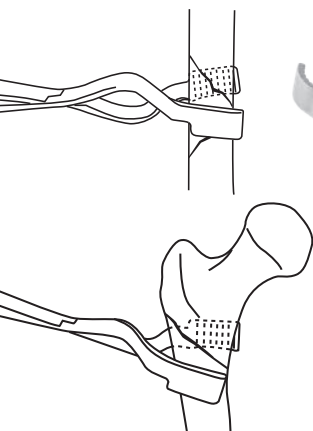
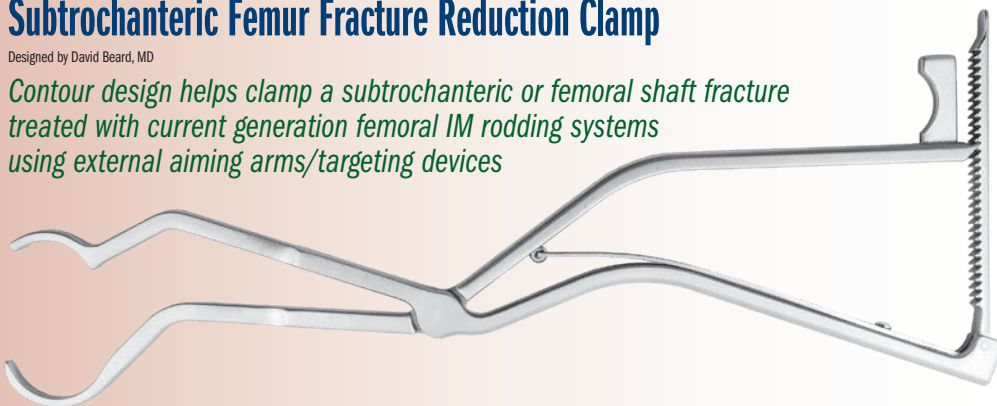
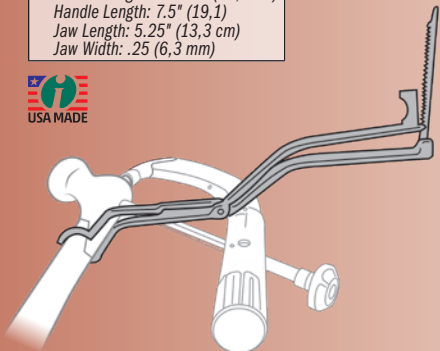
Jaw Width: .25 (6,3 mm)



## Subtrochanteric Femur Fracture Reduction Clamp

Designed by David Beard, MD

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



Left  
#3860-L

Right  
#3860-R

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.

## Cannestra Trochanteric Fracture Reduction Clamp

*Designed to help reduce comminuted intertrochanteric and subtrochanteric hip fractures, this clamp is offset at its ends to avoid placement into the fracture bed*



**PRODUCT NO'S:**

**3860-L** [Left]

Overall Length: 11.25" (28,6 cm)

**3860-R** [Right]

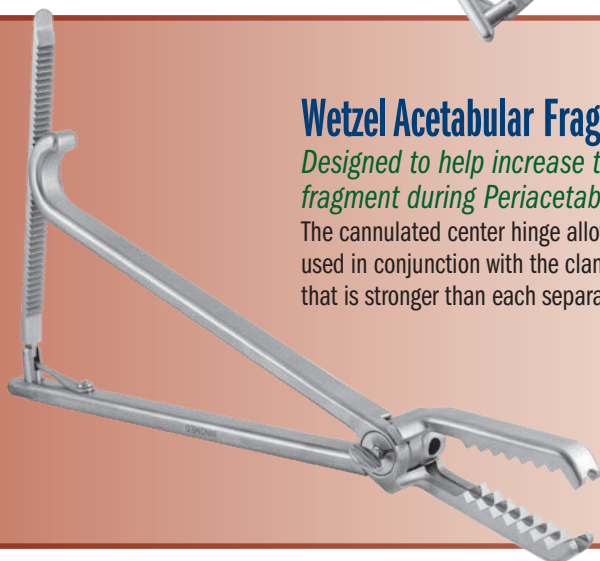
Overall Length: 11.25" (28,6 cm)

## Wetzel Acetabular Fragment Clamp

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

*Designed to help increase the ability to control and manipulate an acetabular fragment during Periacetabular Osteotomy (PAO) surgery for hip dysplasia*

The cannulated center hinge allows a 5 to 6 mm Schantz pin (not included) to be used in conjunction with the clamp — providing a unified pin-and-clamp together that is stronger than each separately and offers enhanced fragment control.



**PRODUCT NO:**

**3648**

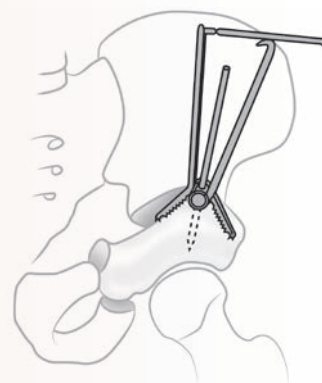
Overall Length: 11.5" (29,2 cm)

Jaw Opens to: 1.375" (3,5 cm)

Jaw Length: 2.5" (6,4 cm)

Jaw Width: .5" (12,7 mm)

Hole Diameter for Schantz Pin Up To: .25" (6,3 mm)



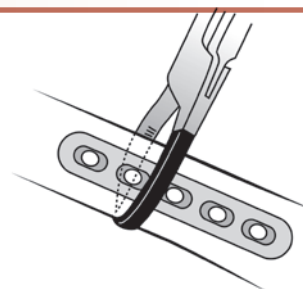
## Large Bone Clamp with Plate Protection

*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*



Left #3659-L

Left #3659-R



**PRODUCT NO'S:**

**3659-L** [Left]

Overall Length: 9.125 (23,2 cm)

**3659-R** [Right]

Overall Length: 9.125 (23,2 cm)



## Periarticular Reduction Forceps

Designed for reduction of intra-articular and periarticular fractures



Large  
#1857



Medium  
#1856



Small  
#1856-01

### PRODUCT NO'S:

#### 1856-01 [Small]

Jaw Height @ Tips Parallel: 3.375" (8,6 cm)  
Jaw Width @ Tips Parallel: 7.25" (18,4 cm)  
Maximum Jaw Opening @ Tips: 3.1" (7,9 cm)  
Overall Length: 11" (27,95 cm)

#### 1856 [Medium]

Jaw Height @ Tips Parallel: 4.75" (12,1 cm)  
Jaw Width @ Tips Parallel: 10.5" (26,7 cm)  
Maximum Jaw Opening @ Tips: 5.2" (13,2 cm)  
Overall Length: 14.75" (37,5 cm)

#### 1857 [Large]

Jaw Height @ Tips Parallel: 6.25" (15,9 cm)  
Jaw Width @ Tips Parallel: 12" (30,5 cm)  
Maximum Jaw Opening @ Tips: 8" (20,3 cm)  
Overall Length: 16" (40,7 cm)



## Vosburg Cannulated Periarticular Clamp

Designed by Caleb Vosburg, MD

Cannulated clamp tips allow passage of K-wires

By compressing the fracture with the clamp and then passing two K-wires, the clamp can then be removed to allow more working room and versatility when applying a plate.



### PRODUCT NO:

#### 1864

Overall Length: 13" (33 cm)  
Handle Length: 8" (20,3 cm)  
Ratcheted Opening from 2" to 3.5" (5,4 to 7,6 cm)  
Accepts Pins up to: 7/64" (2,8 mm)

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## Fracture Reduction Punch Clamp

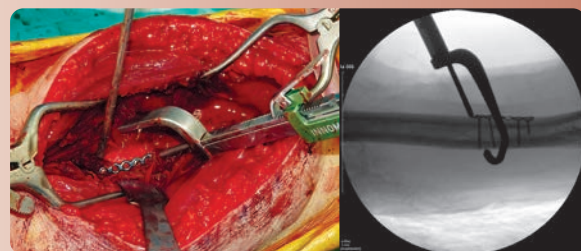
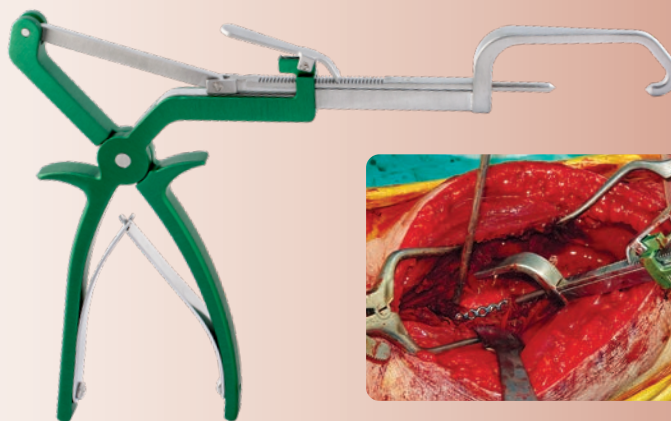
Designed by Jong-Keon Oh, MD

Designed for use in select cases when vertical (or sagittal) plane clamping is necessary during forearm reduction, humeral fracture reduction, or diaphyseal reduction of the tibial shaft

### PRODUCT NO:

#### 5072

Overall Length: 10.5" (26,7 cm)  
Point to Point Opening:  
-Minimum .375" (10 mm)  
-Maximum 1.375" (35 mm)  
Pin Diameter: .125" (3,2 mm)



## 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.

### 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)



- ▶ 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



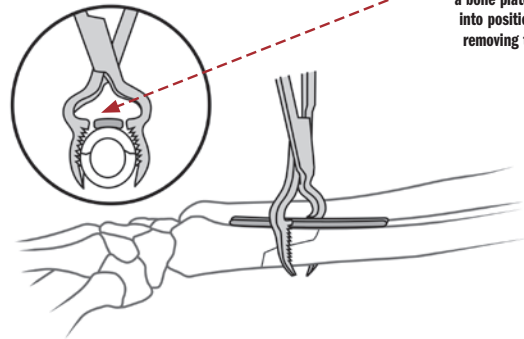
## Durham Bone Reduction Clamps

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.

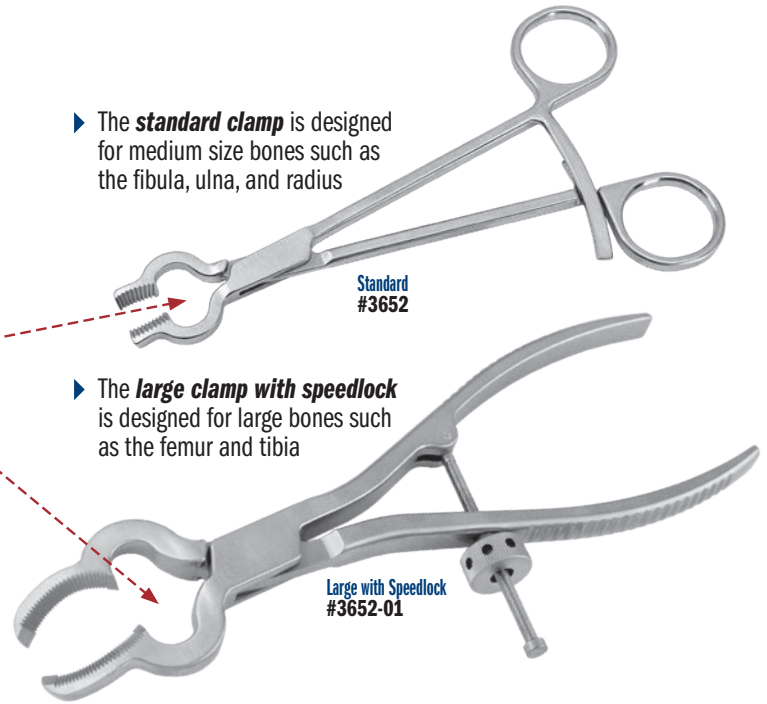
| PRODUCT NO'S:                         |  |
|---------------------------------------|--|
| <b>3652</b> [Standard]                |  |
| Overall Length: 7.375" (18,7 cm)      |  |
| <b>3652-01</b> [Large with Speedlock] |  |
| Overall Length: 9.25" (32,5 cm)       |  |



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

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

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



**Standard**  
**#3652**

**Large with Speedlock**  
**#3652-01**

## Redler Wrist Bone Clamp with Wire Guide

Designed by M.R. Redler, MD

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

#### Can be used for:

- ▶ Placement of pins across distal radius fractures or across carpal bones
- ▶ Arthroscopically assisted fixation in the wrist
- ▶ Fracture fragments about the elbow
- ▶ Placement of guide wires during the open reduction and internal fixation of a patella fracture



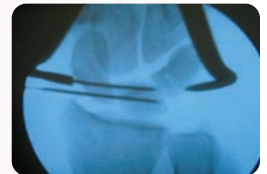
Two sizes available:  
For use with 0.045" (1.1 mm)  
or 0.062" (1.6 mm) K-wires.

**Pins Up To .045" | 1.1 mm**  
**#1885-45**

**Pins Up To .062" | 1.6 mm**  
**#1885-62**



| PRODUCT NO'S:                  |  |
|--------------------------------|--|
| <b>1885-45</b>                 |  |
| For Pins up to .045" (1,1 mm)  |  |
| Overall Length: 9.5" (24,1 cm) |  |
| Jaw opens to: 3.5" (8,9 cm)    |  |
| <b>1885-62</b>                 |  |
| For Pins up to .062" (1,6 mm)  |  |
| Overall Length: 9.5" (24,1 cm) |  |
| Jaw opens to: 3.5" (8,9 cm)    |  |

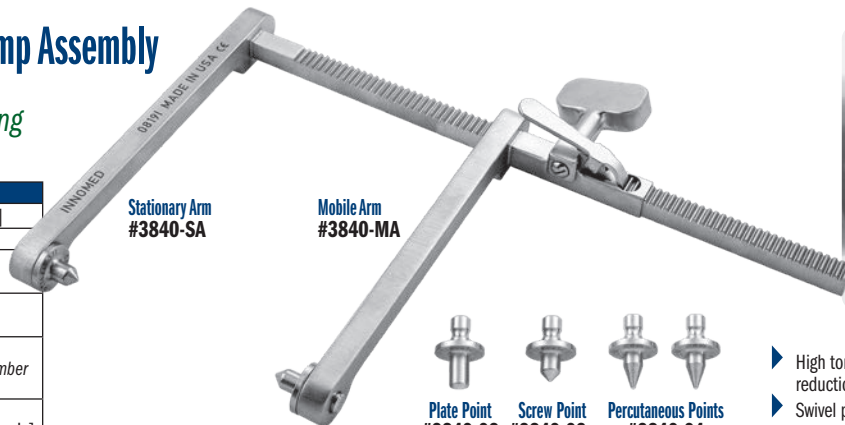


## Ratcheting Reduction Clamp Assembly

Designed by Michael Craig, OPA-C

### Designed as a soft tissue sparing fracture reduction clamp

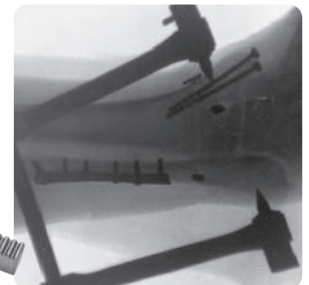
| PRODUCT NO'S:                                                      |  |
|--------------------------------------------------------------------|--|
| <b>3840-00</b> [Complete Clamp Assembly]                           |  |
| <b>Also available Individually:</b>                                |  |
| <b>3840-02</b> [Plate Point]                                       |  |
| Overall Length: 1" (2,54 cm)                                       |  |
| <b>3840-03</b> [Screw Point]                                       |  |
| Overall Length: .875" (2,2 cm)                                     |  |
| <b>3840-04</b> [Percutaneous Point]                                |  |
| 2 included in assembly, one with this product number               |  |
| Overall Length: 1" (2,54 cm)                                       |  |
| <b>3840-MA</b> [Ratcheting Reduction Mobile Arm with Ratchet Knob] |  |
| Overall Length: 6.5" (16,5 cm)                                     |  |
| <b>3840-SA</b> [Ratcheting Reduction Stationary Arm]               |  |
| Overall Length: 10.5" (26,7 cm)                                    |  |
| Width: 9" (22,9 cm)                                                |  |
| Height: 6" (15,2 cm)                                               |  |



**Plate Point** **Screw Point** **Percutaneous Points**  
**#3840-02** **#3840-03** **#3840-04**  
(Each)

#### Assembly includes:

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



- ▶ High torque can help provide bone and joint reduction without squeezing surrounding tissues
- ▶ Swivel points are placed on the bone, plate, or screw and the ratcheting dial is turned to the desired torque, allowing hands free operation
- ▶ Swivel point design allows the clamp to be easily moved from x-ray view without losing reduction
- ▶ Screw Point fits into a screw head
- ▶ Plate Point fits into a 3.5 mm plate hole

## Wixted Fracture Distractor

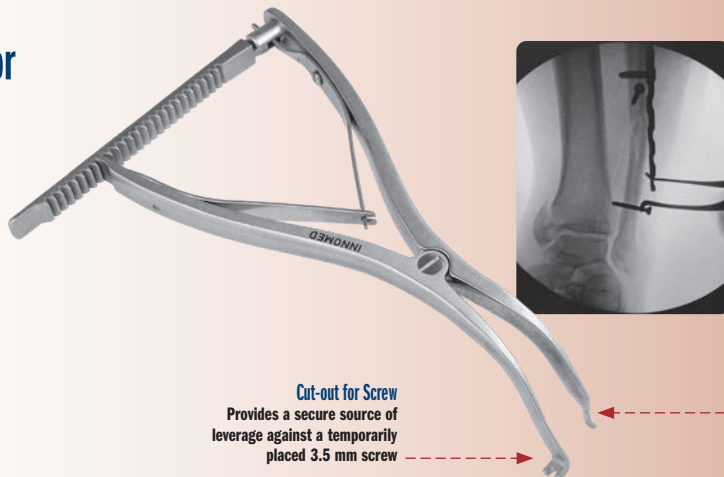
Designed by John J. Wixted, MD

*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**

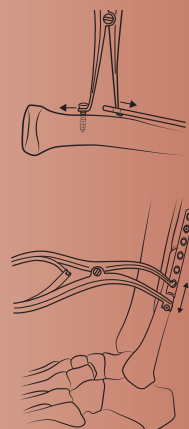
Overall Length: 7" (17,8 cm)



**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

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.



## Mantis Screwdriver Distractor

Designed by J. Albert Diaz, MD

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

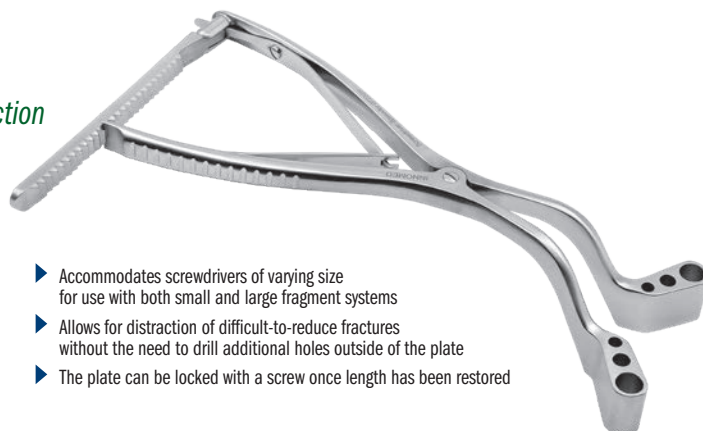
\*Screwdrivers not included.

**PRODUCT NO:**

**3654**

Overall Length: 7.5" (19,1 cm)  
Pin Hole Diameters: 4.5, 5.5, & 8.5 mm  
Leg & Pin Hole Depth: .7" (17,5 mm)

MADE EXCLUSIVELY  
FOR INNOVIMED IN  
GERMANY



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

## Stoll Bone Plate Clamp

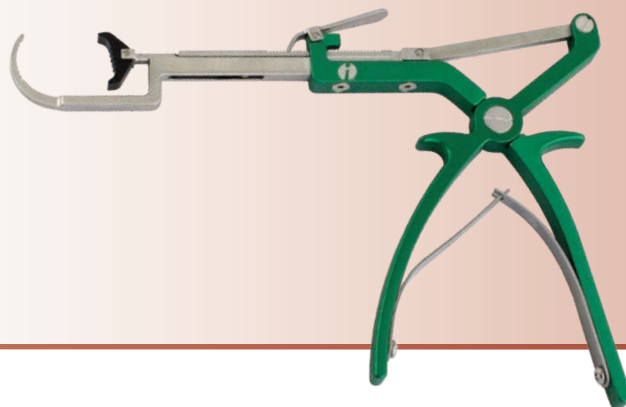
Designed by Jordan Stoll, MD

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

**PRODUCT NO:**

**1774**

Overall Length: 10" (25,4 cm)



## AK Fracture Reducer

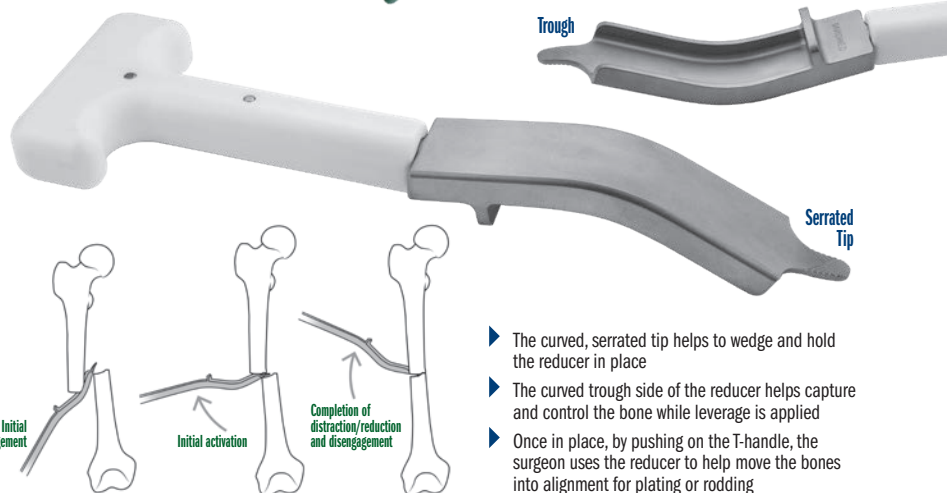
Designed by Byron McCord, MD

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

**PRODUCT NO:**

**3870**

Overall Length: 12.5" (31,8 cm)  
Blade Width: 1.5" (3,8 cm)



- ▶ The curved, serrated tip helps to wedge and hold the reducer in place
- ▶ The curved trough side of the reducer helps capture and control the bone while leverage is applied
- ▶ Once in place, by pushing on the T-handle, the surgeon uses the reducer to help move the bones into alignment for plating or rodding

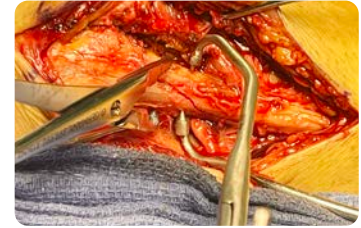


**PRODUCT NO:**  
**1755-01**  
Overall Length: 7.9" (20 cm)

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GERMANY

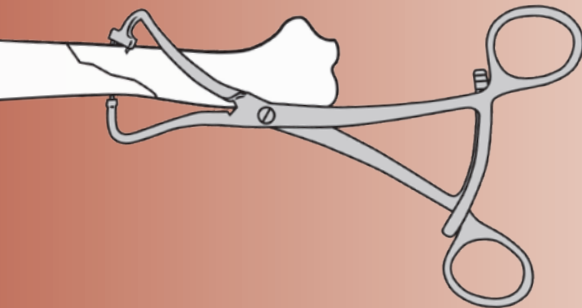
## Fracture Reduction Clamp Double Curve with Speedlock

*Designed with a speedlock clamp and  
shouldered tips to reduce bone fractures*



## Chandran Bone Holding Clamp with Double Ball Spikes

Designed by Rama E. Chandran, MD



*Designed to hold a fracture in reduction*  
Very helpful in displaced fractures.

MADE EXCLUSIVELY  
FOR INNOVIMED IN  
GERMANY

**PRODUCT NO:**  
**1748**  
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*

### 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.

### Symmetric Reduction Clamp

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

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



Elbow Retractor  
#4697



Clamp - Symmetric  
#1755



Clamp - Asymmetric  
Left #1756-L

Clamp - Asymmetric  
Right #1756-R

### Asymmetric Reduction Clamps - Left and Right

Shaped to secure the lateral condyle fragment. The straight tip is placed in the coronoid fossa and the curved tip is used to grasp and compress the lateral condyle fragment. The stops on each end help prevent excessive penetration of metaphyseal and soft bone.

| PRODUCT NO'S:                                 |                                                                                           |
|-----------------------------------------------|-------------------------------------------------------------------------------------------|
| <b>4697-00</b>                                | [Set with Case]                                                                           |
| <b>Set Includes / Available Individually:</b> |                                                                                           |
| <b>1755</b>                                   | [Clamp - Symmetric]<br>Overall Length: 8.5" (21,6 cm)<br>Jaw opens to: 3" (7,6 cm)        |
| <b>1756-L</b>                                 | [Clamp - Asymmetric Left]<br>Overall Length: 8.75" (22,2 cm)                              |
| <b>1756-R</b>                                 | [Clamp - Asymmetric Right]<br>Overall Length: 8.75" (22,2 cm)                             |
| <b>4697</b>                                   | [Elbow Retractor]<br>Overall Length: 6.5" (16,5 cm)<br>Blade Width: 1" (2,54 cm)          |
| <b>1015</b>                                   | [Sterilization Case]<br>Dimensions: 11.25" x 7.125" x 3.125" (28,6 cm x 18,1 cm x 7,9 cm) |



## Pointed Fracture Reduction Clamps

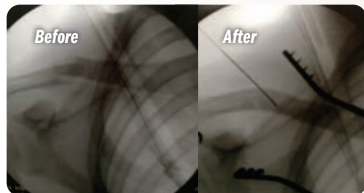
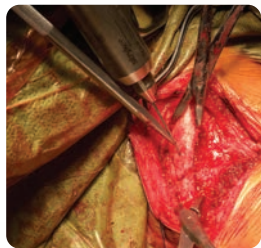
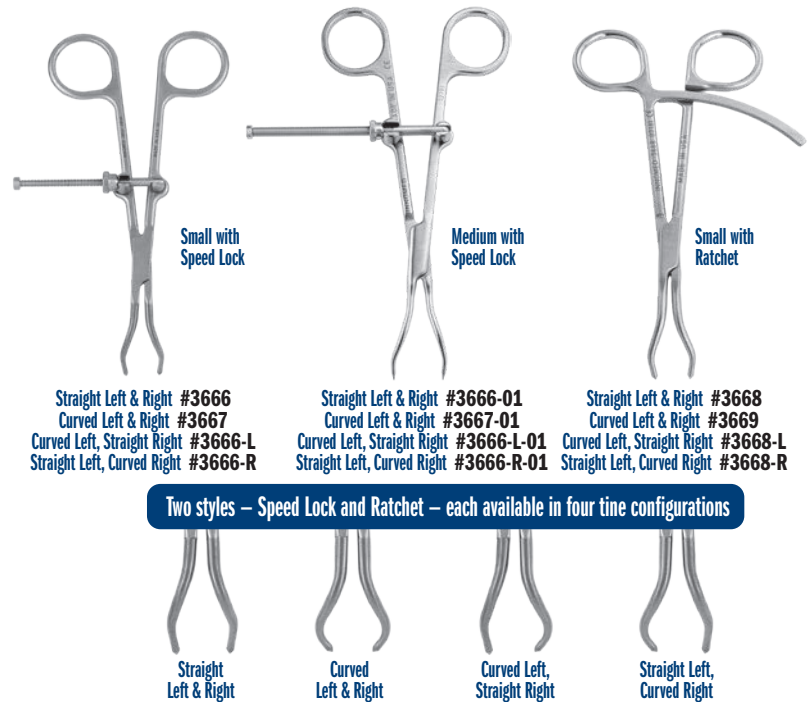
Designed by Reza Firoozbadi, MD MA

*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*



| PRODUCT NO'S:                                  |                              |
|------------------------------------------------|------------------------------|
| SMALL WITH SPEED LOCK MECHANISM                |                              |
| <b>3666</b> [Straight Left & Right]            | Overall Length: 5.5" (14 cm) |
| <b>3667</b> [Curved Left & Right]              | Overall Length: 5.5" (14 cm) |
| <b>3666-L</b> [Curved Left, Straight Right]    | Overall Length: 5.5" (14 cm) |
| <b>3666-R</b> [Straight Left, Curved Right]    | Overall Length: 5.5" (14 cm) |
| MEDIUM WITH SPEED LOCK MECHANISM               |                              |
| <b>3666-01</b> [Straight Left & Right]         | Overall Length: 7" (17,8 cm) |
| <b>3667-01</b> [Curved Left & Right]           | Overall Length: 7" (17,8 cm) |
| <b>3666-L-01</b> [Curved Left, Straight Right] | Overall Length: 7" (17,8 cm) |
| <b>3666-R-01</b> [Straight Left, Curved Right] | Overall Length: 7" (17,8 cm) |
| SMALL WITH RATCHET MECHANISM                   |                              |
| <b>3668</b> [Straight Left & Right]            | Overall Length: 5.5" (14 cm) |
| <b>3669</b> [Curved Left & Right]              | Overall Length: 5.5" (14 cm) |
| <b>3668-L</b> [Curved Left, Straight Right]    | Overall Length: 5.5" (14 cm) |
| <b>3668-R</b> [Straight Left, Curved Right]    | Overall Length: 5.5" (14 cm) |

- ▶ 1.9 mm tines allow for a snug fit in 2 mm drill holes
- ▶ Tines angled to prevent clamp "slippage" with compression
- ▶ Straight tines can be placed deep within bone which allows for far cortex compression.
- ▶ Clamps incorporate a box joint design that prevents clamp joint loosening and the need for tightening.
- ▶ Example applications: any transverse fracture (straight-straight clamp), both bone forearm fractures, olecranon fractures, medial malleolus fractures, and many more.
- ▶ Speed Lock Style: Extra-long spin down allows for increased range of clamp use, and open-topped joint rotates to allow for increased range of opening, and also allows for quick release



## Resnick Small Bone Tamp with Oblique K-Wire Hole

Designed by Charles Resnick, MD

*Design allows for the concurrent reduction of a fracture and placement of a wire into the fracture site – especially helpful when the surgical exposure is small and tight, the fracture fragments are small, and the reduction is demanding*

1.2 mm Hole #5294  
1.6 mm Hole #5294-01

- ▶ The serrated distal end minimizes slippage on the cortical surface, does not interfere with the placement of the guidewire and allows for subsequent surgeon-decided, intraoperative angulation of the wiring once the first cortex is drilled
- ▶ Especially useful in fractures where there is involvement of an articular surface, for example, mallet fractures of the distal phalanx, articular fractures that involve ligamentous attachments or tendon attachments of the phalanges, scaphoid pole small fracture fragments or other small carpal fractures, and radial styloid fractures

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



| PRODUCT NO'S:                |                                                                                                                          |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <b>5294</b> [1.2 mm Hole]    | Wire Hole for: 1.2 mm (.045") K-wire<br>Overall Length: 7.5" (19,1 cm)<br>Shaft Diameter: 6,3 mm<br>End Diameter: 2,5 mm |
| <b>5294-01</b> [1.6 mm Hole] | Wire Hole for: 1.6 mm (.062") K-wire<br>Overall Length: 7.5" (19,1 cm)<br>Shaft Diameter: 6,3 mm<br>End Diameter: 2,5 mm |

## Fracture Reduction Pick

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

| PRODUCT NO:  |                                 |
|--------------|---------------------------------|
| <b>S0129</b> | Overall Length: 6.25" (15,9 cm) |



**New!**

## Izuka Cannulated Fracture Awls & Trocar Set

Designed by Byron Izuka, MD

*Designed to help safely and accurately place standard K-wires up to 0.0825" (2,1 mm) with either open or percutaneous techniques, helping to avoid soft tissue injuries that may occur without the use of such devices*

- ▶ The sharp tip design minimizes migration of the awl when inserting the K-wire at an oblique angle to the bone surface.
- ▶ May also be used to place K-wires for use with specialty sets (with guide wires that are shorter than standard K-wires) with minor modifications in technique.
- ▶ The trocar is used to help remove any tissue in the awl.



| PRODUCT NO'S:                          |                                                                                                                                       |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| <b>8093-00</b>                         | [Set]                                                                                                                                 |
| Set Includes / Available Individually: |                                                                                                                                       |
| <b>8093-01</b>                         | [Blunt Awl]<br>Overall Length: 4.95" (12,6 cm)<br>Shaft Width: .35" (9 mm)<br>Cannulated for use with K-wires up to: .0825" (2,1 mm)  |
| <b>8093-02</b>                         | [Spiked Awl]<br>Overall Length: 4.95" (12,6 cm)<br>Shaft Width: .35" (9 mm)<br>Cannulated for use with K-wires up to: .0825" (2,1 mm) |
| <b>8093-03</b>                         | [Trocar Rod]<br>Overall Length: 5.62" (7,4 cm)<br>Shaft Width: .079" (2 mm)<br>Rounded Head End Diameter: .8" (2 cm)                  |

## Extended Drill Sleeves

Designed by Reza Firoozabadi, MD

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



**New!**  
SIZE AVAILABLE  
NOT INCLUDED IN SET  
SOLD SEPARATELY

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

| PRODUCT NO'S:                          |                                                                                                                       |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| <b>3014-00</b>                         | [Set of Three]                                                                                                        |
| Set Includes / Available Individually: |                                                                                                                       |
| <b>3014-01</b>                         | [2.4/1.8 mm]<br>Overall Length: 6.875" (17,6 cm)<br>Guide Tube Length: 2.25" (5,7 cm)<br>Guide Angle from Handle: 30° |
| <b>3014-02</b>                         | [2.7/2.0 mm]<br>Overall Length: 6.875" (17,6 cm)<br>Guide Tube Length: 2.25" (5,7 cm)<br>Guide Angle from Handle: 30° |
| <b>3014-03</b>                         | [3.5/2.5 mm]<br>Overall Length: 6.875" (17,6 cm)<br>Guide Tube Length: 2.25" (5,7 cm)<br>Guide Angle from Handle: 30° |

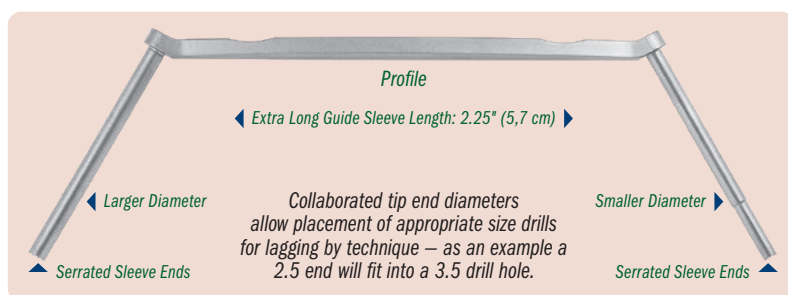
| PRODUCT NO:                  |                                                                                                                                                     |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Available Separately:</b> |                                                                                                                                                     |
| <b>3014-04</b>               | [4.5/4.0 mm]<br>Overall Length: 6.875" (17,6 cm)<br>Handle Length: 4.875" (12,4 cm)<br>Guide Length: 2.25" (5,7 cm)<br>Guide Angle from Handle: 30° |



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



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



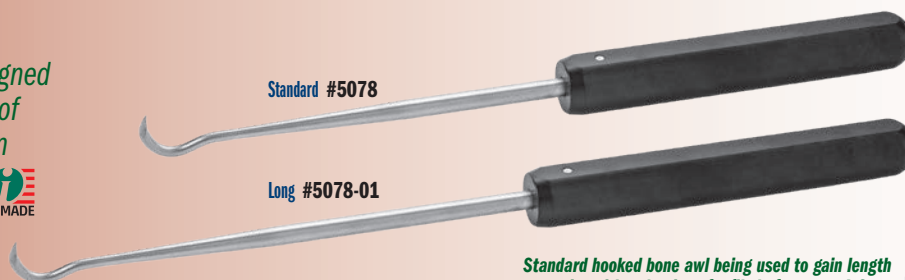
Collaborated tip end diameters allow placement of appropriate size drills for lagging by technique — as an example a 2.5 end will fit into a 3.5 drill hole.

## Hooked Bone Awls

Designed by Reza Firoozabadi, MD

*"Shoulder hook" awls designed to help with manipulation of bone fragments for fixation*

| PRODUCT NO'S:  |                                                                              |
|----------------|------------------------------------------------------------------------------|
| <b>5078</b>    | [Standard]<br>Overall Length: 10.5" (26,7 cm)<br>Handle Length: 5" (12,7 cm) |
| <b>5078-01</b> | [Long]<br>Overall Length: 13.375" (34 cm)<br>Handle Length: 6" (15,2 cm)     |



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



## Cannulated Fracture Awl

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



Cannulated



### PRODUCT NO:

**8091**

Overall Length: 7" (17,8 cm)  
Handle Length: 3.3" (8,4 cm)  
Cannula fits wire up to: .062" (1.6 mm)



## Chandran Double Ball Spike

Designed by Rama E. Chandran, MD

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

### PRODUCT NO:

**8027**

Overall Length: 12.5" (31.8 cm)  
Handle Length: 4.625" (1,17 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)

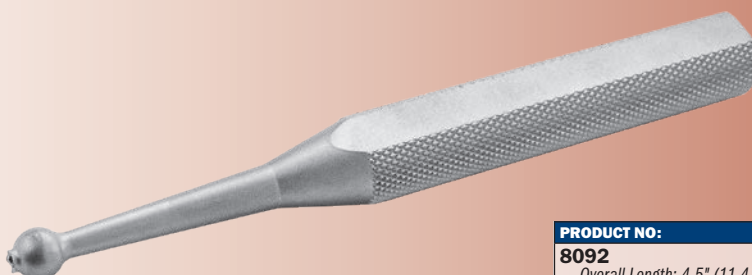


## Small Cannulated Ball Spike

Designed by Benjamin C. Taylor, MD

*Designed to help reduce a bone fragment and keep it reduced, while the cannulation allows placement of a K-wire (up to 1.6 mm/.062") into the fragment*

- ▶ Helps to prevent slipping while inserting K-wires
- ▶ Can serve as a handle for K-wire joysticks



### PRODUCT NO:

**8092**

Overall Length: 4.5" (11,4 cm)  
Handle Length: 3" (7,6 cm)  
Ball Diameter: .275" (7 mm)

# Intramedullary Nail Removal Set

System designed to help remove an intramedullary nail

**New!**

## PRODUCT NO'S:

**2027-20** [Intramedullary Nail Removal Set]

**2027-06** [Stabilizing Bar]

Overall Length: 5.9" (15 cm)

**2027-07** [Open End Wrench]

Overall Length: 3.94" (10 cm)

**2027-11A** [Extraction Spreader Size 1]

Overall Length: 2.75" (7 cm)

Two included in set; one with this product number

**2027-11B** [Extraction Spreader Size 1.5]

Overall Length: 2.75" (7 cm)

Two included in set; one with this product number

**2027-11C** [Extraction Spreader Size 2]

Overall Length: 2.75" (7 cm)

Two included in set; one with this product number

**2027-11D** [Extraction Spreader Size 2.5]

Overall Length: 2.75" (7 cm)

Two included in set; one with this product number

**2027-11E** [Extraction Spreader Size 3]

Overall Length: 2.75" (7 cm)

Two included in set; one with this product number

**2027-12A** [Extraction Assembly Rod & Slaphammer]

Overall Length: 18.5" (47 cm)

**2027-12B** [Extraction Push Rod]

Overall Length: 19" (48,3 cm)

**2027-12C** [Extraction Tightening Assembly]

Overall Length: 3" (7,6 cm)

Handle Width: 2.125" (5,4 cm)

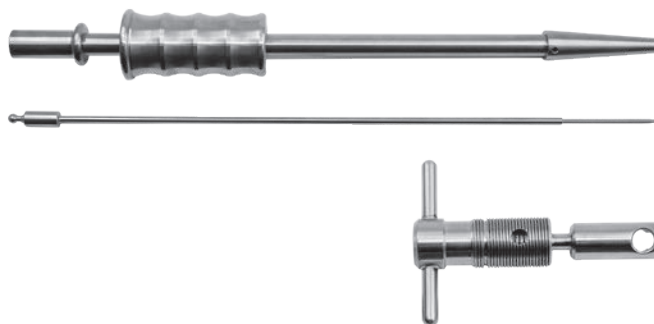
**2027-TRAY** [Tray] Not Shown

**2027-LID** [Lid] Not Shown

MADE FOR INNOVEM IN GERMANY

## INSTRUCTIONS FOR NAIL REMOVAL:

1. Insert the push rod into the slaphammer rod, leaving the ball end outside of the slaphammer rod. Connect the t-handle tightening assembly over the ball end of the push rod. Screw the t-handle tightening assembly with push rod attached into the slaphammer rod.
2. To determine the correct size of nail extraction spreader, it should be completely inside the nail to be removed. If the extraction spreader wobbles, then it is too small. If threads are exposed, it is too large.
3. The extraction spreader is then completely threaded into the tapered end of the slaphammer rod. It is tightened using the open-end wrench and stabilizing bar.
4. The complete assembly is screwed into the nail by hand tightening.
5. Tap on the end of the t-handle tightening assembly with three light taps and re-tighten the t-handle tightening assembly if needed. Using the slaphammer or mallet, start with light taps to remove the nail.



Stabilizing Bar #2027-06

Open End Wrench #2027-07

Extraction Spreader Size 1 #2027-11A  
Two included in set; one with this product number

Extraction Spreader Size 1.5 #2027-11B  
Two included in set; one with this product number

Extraction Spreader Size 2 #2027-11C  
Two included in set; one with this product number

Extraction Spreader Size 2.5 #2027-11D  
Two included in set; one with this product number

Extraction Spreader Size 3 #2027-11E  
Two included in set; one with this product number

Extraction Assembly Rod & Slaphammer #2027-12A

Extraction Push Rod #2027-12B

Extraction Tightening Assembly #2027-12C

## Stanton Nail/Screw Drill Guide Assembly

FOR DISTAL HUMERAL, FEMORAL, OR TIBIAL SCREWS

Designed by John L. Stanton, MD

*Designed to help hold and stabilize a drill guide, allowing the surgeon to obtain 'perfect circles' and drill distal locking screw holes without exposure of the hand to the x-ray beam*

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



Locking Drill Guide Holder #8987

Trocar Alignment Tool #8986-02

Sleeve #8986-01

## PRODUCT NO:

**8986-00** [Assembly Set]

Set includes: (1) Holder, (1) Sleeve, and (1) Trocar

Also available individually:

**8986-01** [Drill Guide Sleeve]

Overall Length: 3.85" (9,8 cm)

Outside Diameter: 7 mm

**8986-02** [Drill Guide Trocar Alignment Tool]

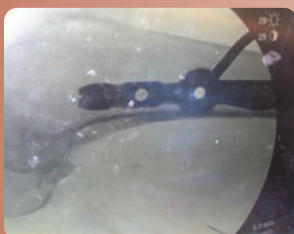
Overall Length: 4.375" (11,1 cm)

Trocar Diameter: 5 mm

**8987** [Locking Drill Guide Holder]

Overall Length: 10.5" (26,7 cm)

Guide Height: 21 mm



USA MADE



## Incavo Wire Passer

Designed by Stephen J. Incavo, MD



Small #8610-01

Large #8610-02

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



### PRODUCT NO'S:

#### 8610-01 [Small]

Overall Length: 7.5" (19.1 cm)

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

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

#### 8610-02 [Large]

Overall Length: 8.675" (21.9 cm)

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

For Bone Diameter Up To: 2.4" (6 cm)



## DMP Wire Tightener

Designed by DMP

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

### PRODUCT NO:

8729

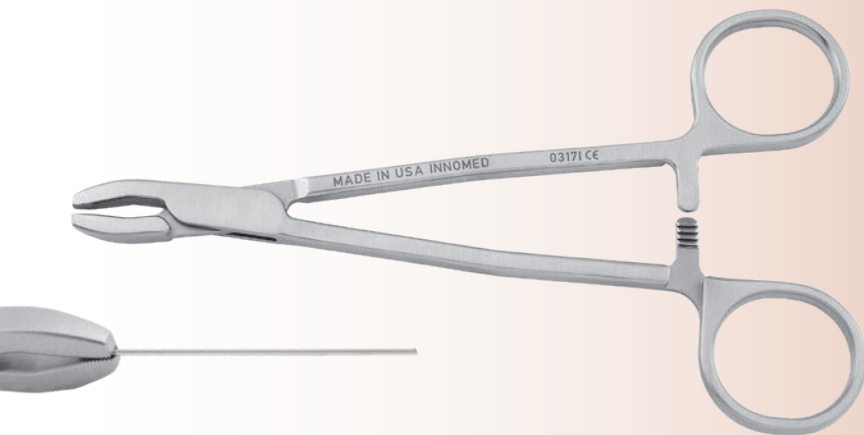
Overall Length: 4.5" (11.4 cm)

Handle Width: 2.625" (6.7 cm)

End Diameter: 15 mm



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



## 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



# FR TR

## 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:

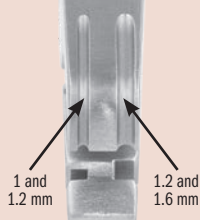
8991

Overall Length: 4" (10.2 cm)



Most instruments  
a no-charge two-v  
includes FREE UPS

\*When shipped to a hos  
additional charge applie  
Free trial offer exclud  
instruments, which are av  
pad replacement charge



1 and 1.2 mm  
1.2 and 1.6 mm

The right slot of the instrument's lower jaw can hold K-wires with a diameter of 1.2 mm or 1.6 mm. The smaller left slot can hold K-wires measuring 1 mm or 1.2 mm in diameter.

## K-Wire Bender/Cutter

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

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

Smooth Bending

Clean Cutting

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



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

### Bending

With the jaw of the instrument opened wide, the K-wire is inserted from the side into one of the slots of the lower jaw. During bending, the K-wire is forced backwards by the nose of the upper jaw and guided by a small groove.

### Cutting

The K-wire is inserted into the cutting groove and the bender/cutter cuts by shearing (like a cigar cutter), not crushing. The result is a clean and burr-free cut surface.

## Beard IM Nail Guide Wire Clamp

Designed by David Beard, MD

Available with or without ratchet

Clamp without Ratchet  
#3019-01

Clamp with Ratchet  
#3019

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

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

**PRODUCT NO'S:**  
**3019** [Beard Clamp with Ratchet]  
Dimensions: 5.5" w x 6" h (14 cm x 15,2 cm)  
**3019-01** [Beard Clamp without Ratchet]  
Dimensions: 5.5" w x 6" h (14 cm x 15,2 cm)



## 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



FREE  
IAL

are available for  
week evaluation —  
Ground Shipping\*

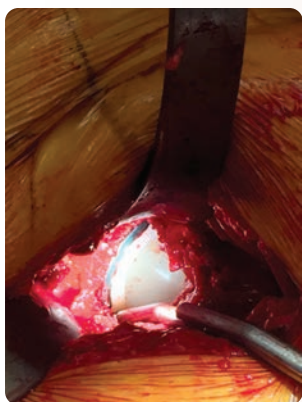
hospital or medical center;  
s for expedited shipping.  
es implant extraction  
ilable as rentals. There is a  
with the hip positioners.

## Stanton Straight Pin Removal Pliers

Designed by John Stanton, MD

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



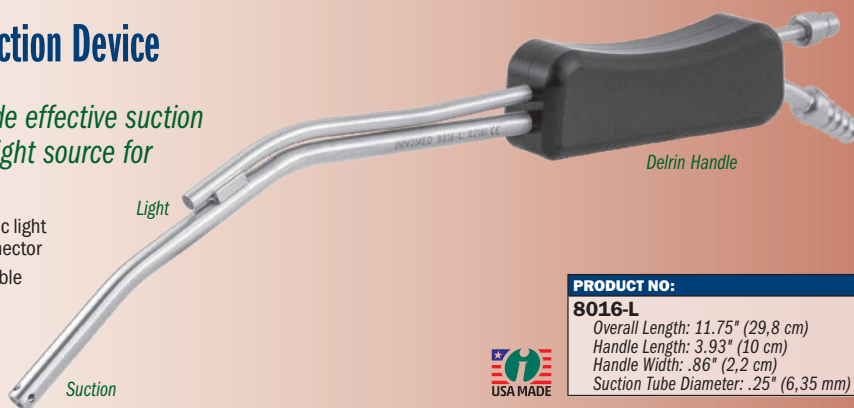


## Lighted Yankaur Suction Device

Designed by Adolph V. Lombardi Jr., MD

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

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



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



## Kodros Radiolucent Awl

Modified by S. Kodros, MD

*Helps locate holes in interlocking nails*

| PRODUCT NO:    |        |
|----------------|--------|
| <b>8030-01</b> |        |
| Pin Diameter:  | 3.7 mm |
| Pin Length:    | 67 mm  |



## Whelan Double-Ended Suture Wire Passer

Designed by E. J. Whelan, III, MD

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



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

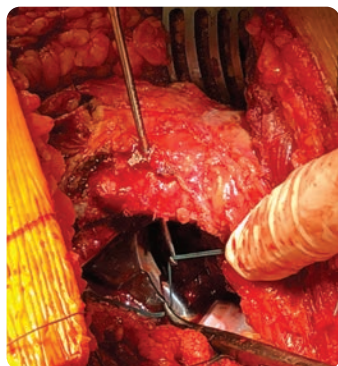
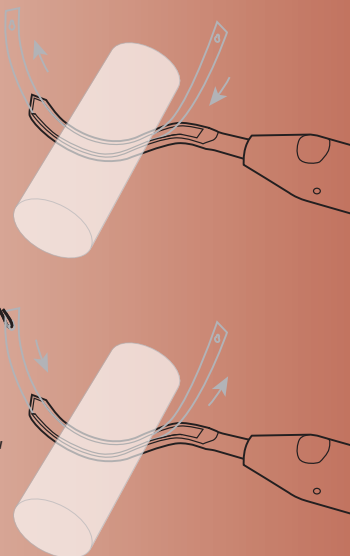
| PRODUCT NO'S:                                       |                  |
|-----------------------------------------------------|------------------|
| <b>8300-00</b> [Set]                                |                  |
| <b>Also available individually:</b>                 |                  |
|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



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

Insert passer into guide to pass around the bone

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



## Straight Suture Passer

Designed by Brian T. Maurer, MD

*Designed to help pass suture through bone*

| PRODUCT NO:     |                  |
|-----------------|------------------|
| <b>1111</b>     |                  |
| Overall Length: | 8.125" (20,6 cm) |
| Handle Length:  | 4.25" (10,8 cm)  |
| Shaft Diameter: | 2,5 mm           |



OrthoLucent™ PCL  
Retractor  
#2820-R

OrthoLucent™ Chandler  
Retractor  
#3220-02R

Sierra OrthoLucent™  
EVA Pelvic Osteotomy Retractor  
#4541

OrthoLucent™  
Modified Narrow Hohmann Retractor  
#4535-R

OrthoLucent™  
Modified Blunt Hohmann Retractor  
#4550-R

OrthoLucent™  
Standard Hohmann Retractor  
#4558-R

OrthoLucent™  
Cobra Retractor  
#6130-R

OrthoLucent™  
Narrow Bent Hohmann Retractor  
#7110-R

Sierra OrthoLucent™ EVA Pelvic Osteotomy  
Retractor designed by Rafael J. Sierra, MD

## OrthoLucent™ Retractors

*Gain Radiolucence Without  
Compromising Strength or Function*

- ▶ Lightweight carbon fiber PEEK composite material
- ▶ Ideal for total joint use with x-ray
- ▶ No metal transfer with component contact
- ▶ Steam sterilizable
- ▶ Completely radiolucent
- ▶ Flat black non-gloss finish

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### PRODUCT NO.'S:

**2820-R** [PCL]  
Overall Length: 8"  
Prong Width: 5 mm | 10 mm Gap | 5 mm

**3220-02R** [Chandler]  
Overall Length: 9.875" (25.1 cm)  
Blade Width: 3/4" (1.9 cm)

**4535-R** [Modified Narrow Hohmann]  
Overall Length: 10" (25.4 cm)  
Blade Width: 18 mm

**4541** [Sierra EVA Pelvic Osteotomy]  
Overall Length: 10.7" (27.2 cm)  
Blade Width at Widest: 24.5 mm  
Blade Width at End: 10 mm

**4550-R** [Modified Blunt Hohmann]  
Blade Width at Widest: 24.5 mm  
Overall Length: 10.75" (27.3 cm)

**4558-R** [Standard Hohmann]  
Blade Width: 16 mm  
Overall Length: 9.46" (24 cm)

**6130-R** [Cobra]  
Overall Length: 12" (30.5 cm)  
Handle Length: 7" (17.8 cm)  
Blade Width at Widest: 33 mm

**7110-R** [Narrow Bent Hohmann]  
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)

## Stainless Steel and Radiolucent Arm Ratchet Frame Assembly

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

### Set with OrthoLucent™ Arms and Blades

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

OrthoLucent Parts  
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FOR INNOVIMED IN  
SWITZERLAND

Stainless  
Steel Parts  
USA MADE

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

### Set with Stainless Steel Arms and Blades

**PRODUCT NO.'S:**  
**7428-00** [Stainless Steel Ratchet Frame with  
OrthoLucent Arms & Blades Set]

**Set Includes / Available Individually:**

**7428-01** [Stainless Steel Ratchet Frame  
with OrthoLucent Arms Assembly]  
Dimensions (Flat): 10" x 5.625" (25.4 cm x 14.3 cm)  
Arms Extend: 4.25" (10.8 cm)

**7427-02** [50 mm OrthoLucent Blade]  
Dimensions: 50 mm Deep X 25 mm Wide

**7427-03** [75 mm OrthoLucent Blade]  
Dimensions: 75 mm Deep X 25 mm Wide

**Optional Blade - Not Included In Set:**

**7427-04** [100 mm OrthoLucent Blade]  
Dimensions: 100 mm Deep X 25 mm Wide



50 mm Blade #7427-02

75 mm Blade #7427-03

Optional 100 mm Blade #7427-04

One 50 mm & one 75 mm blade are included in each set.  
The optional 100 mm blade is available separately.



50 mm Blade #7429-02

75 mm Blade #7429-03

Optional 100 mm Blade #7429-04

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**PRODUCT NO.'S:**  
**7429-00** [Stainless Steel Ratchet Frame with  
Stainless Steel Arms & Blades Set]

**Set Includes / Available Individually:**

**7429-01** [Stainless Steel Ratchet Frame  
with Stainless Steel Arms Assembly]  
Dimensions (Flat): 10" x 6" (25.4 cm x 15.3 cm)  
Arms Extend: 4.875" (12.4 cm)

**7429-02** [50 mm Stainless Steel Blade]  
Dimensions: 50 mm Deep X 25 mm Wide

**7429-03** [75 mm Stainless Steel Blade]  
Dimensions: 75 mm Deep X 25 mm Wide

**Optional Blade - Not Included In Set:**

**7429-04** [100 mm Stainless Steel Blade]  
Dimensions: 100 mm Deep X 25 mm Wide



with Ergonomic Handle



**PRODUCT NO'S:**

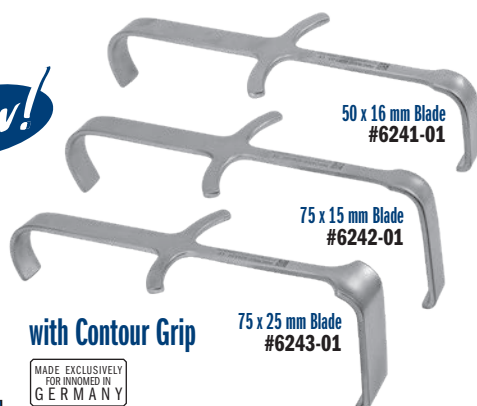
|                                                                                                          |                                                                                                      |                                                                                                      |
|----------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| <b>6241</b> [50 x 16 mm]<br>Overall Length: 8.875" (22,5 cm)<br>Blade Width: 16 mm<br>Blade Depth: 50 mm | <b>6242</b> [75 x 15 mm]<br>Overall Length: 9" (22,9 cm)<br>Blade Width: 15 mm<br>Blade Depth: 75 mm | <b>6243</b> [75 x 25 mm]<br>Overall Length: 9" (22,9 cm)<br>Blade Width: 25 mm<br>Blade Depth: 75 mm |
|----------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|

## Meyerding Type Retractors

*Designed for general use soft tissue retraction*

Features a non-glare finish.

**New!**



with Contour Grip



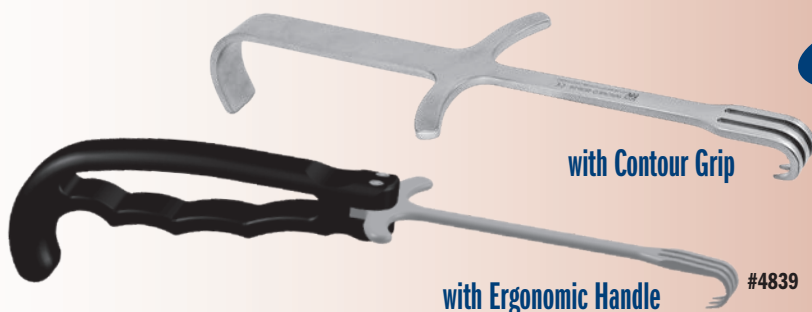
**PRODUCT NO'S:**

|                                                                                                           |                                                                                                            |                                                                                                            |
|-----------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| <b>6241-01</b> [50 x 16 mm]<br>Overall Length: 8.5" (21,6 cm)<br>Blade Width: 16 mm<br>Blade Depth: 50 mm | <b>6242-01</b> [75 x 15 mm]<br>Overall Length: 8.75" (22,2 cm)<br>Blade Width: 15 mm<br>Blade Depth: 75 mm | <b>6243-01</b> [75 x 25 mm]<br>Overall Length: 8.75" (22,2 cm)<br>Blade Width: 25 mm<br>Blade Depth: 75 mm |
|-----------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|

## Rake Retractors

*Designed for soft tissue retraction*

Features a non-glare finish.



**New!**

**PRODUCT NO'S:**

|                                                                                                            |                                                                                                             |
|------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| <b>4839</b> [Ergonomic Handle]<br>Overall Length: 9.5" (24,1 cm)<br>Rake Width: 13 mm<br>Rake Depth: 14 mm | <b>4839-04</b> [Contour Grip]<br>Overall Length: 8.125" (20,6 cm)<br>Rake Width: 13 mm<br>Rake Depth: 14 mm |
|------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|



## Wide Rake Retractors with Ergonomic Handle

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

Non-glare finish featured on the metal retractor parts.



**PRODUCT NO'S:**

|                                                                                                                          |                                                                                                                                |
|--------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| <b>6051</b> [Deep, Sharp]<br>Overall Length: 11.175 (28,3 cm)<br>Blade Width: 2.375" (6 cm)<br>Blade Depth: 2.75" (7 cm) | <b>6053</b> [Shallow, Sharp]<br>Overall Length: 11.175 (28,3 cm)<br>Blade Width: 2.375" (6 cm)<br>Blade Depth: 1.875" (4,8 cm) |
| <b>6052</b> [Deep, Blunt]<br>Overall Length: 11.175 (28,3 cm)<br>Blade Width: 2.375" (6 cm)<br>Blade Depth: 2.75" (7 cm) | <b>6054</b> [Shallow, Blunt]<br>Overall Length: 11.175 (28,3 cm)<br>Blade Width: 2.375" (6 cm)<br>Blade Depth: 1.875" (4,8 cm) |



Sharp and dull teeth available in two depths

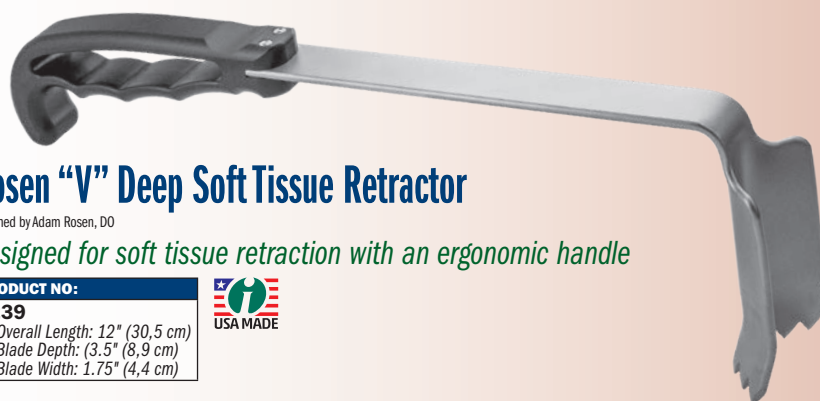
## Rosen "V" Deep Soft Tissue Retractor

Designed by Adam Rosen, DO

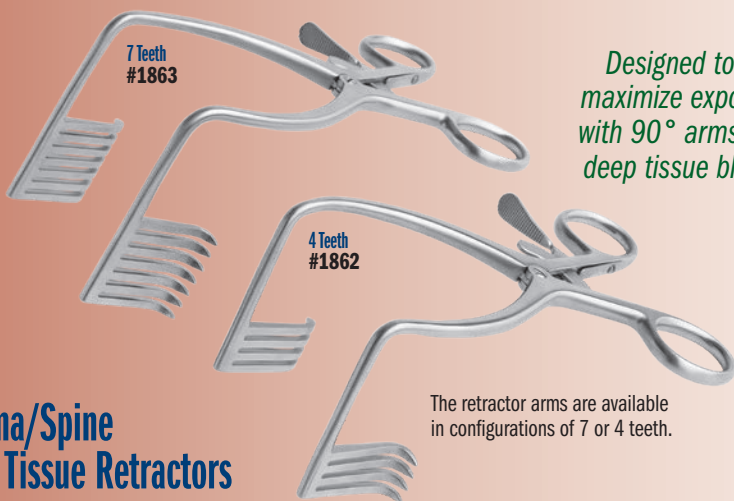
*Designed for soft tissue retraction with an ergonomic handle*

**PRODUCT NO:**

|                                                                                                            |
|------------------------------------------------------------------------------------------------------------|
| <b>6239</b><br>Overall Length: 12" (30,5 cm)<br>Blade Depth: (3,5" (8,9 cm)<br>Blade Width: 1.75" (4,4 cm) |
|------------------------------------------------------------------------------------------------------------|



## Trauma/Spine Deep Tissue Retractors



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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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)



## Faillace Ambidextrous Self-Retaining Retractor

Designed by John J. Faillace, MD

### PRODUCT NO'S:

#### 1580 [7 Teeth]

Overall Length: 7.5" (19,1 cm)

Prong Depth: 38 mm

Prong Width: 34 mm

#### 1579 [4 Teeth]

Overall Length: 6" (15,2 cm)

Prong Depth: 38 mm

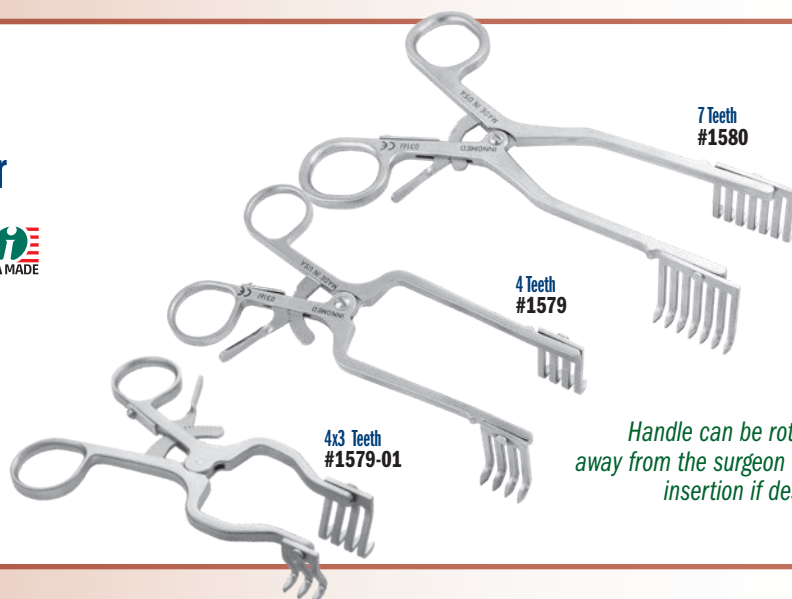
Prong Width: 18 mm

#### 1579-01 [Small - 4x3 Teeth]

Overall Length: 5.25" (13,3 cm)

Prong Depth: 20 mm

Prong Width: 18 mm / 13 mm



7 Teeth  
#1580

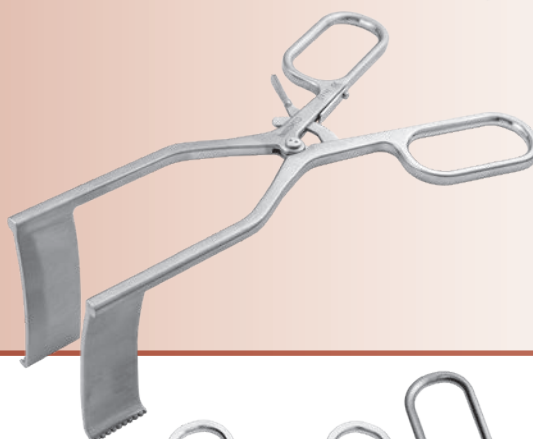
4 Teeth  
#1579

4x3 Teeth  
#1579-01

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

## Deep Meyerding Retractor with Ergonomic Handle

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



### PRODUCT NO:

#### 6244

Overall Length: 8.5" (21,6 cm)

Blade Depth: 3.5" (8,9 cm)

Blade Width: 1" (2,54 cm)

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GERMANY

## Gelpi Retractors

### PRODUCT NO'S:

#### 4180 [Standard]

Overall Length: 7.75" (19,7 cm)

#### 4181 [With Ergonomic Handle]

Overall Length: 8.75" (22,2 cm)



Standard  
#4180

Ergonomic Handle  
#4181

## Stoll Retractor/Wire Guide

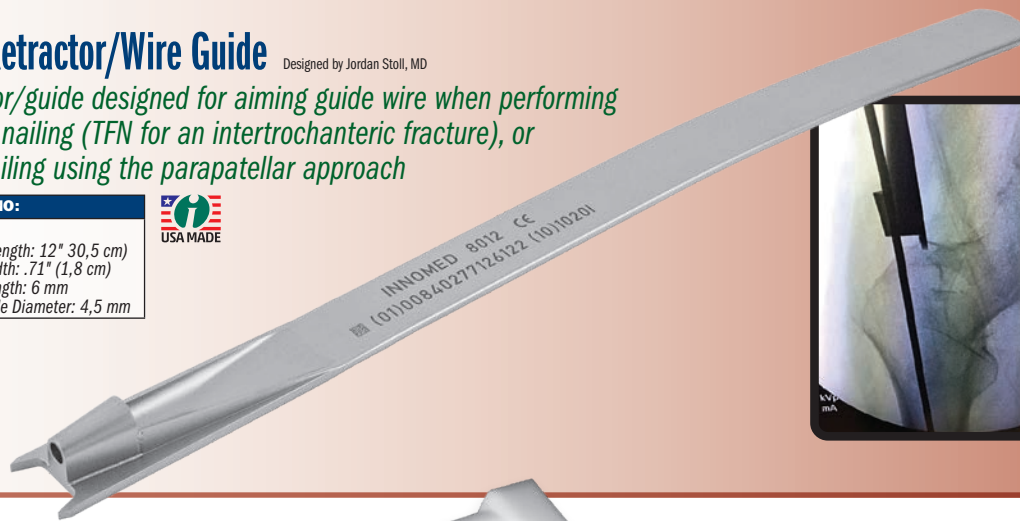
Designed by Jordan Stoll, MD

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

### PRODUCT NO:

**8012**

Overall Length: 12" 30,5 cm)  
Blade Width: .71" (1,8 cm)  
Prong Length: 6 mm  
Guide Hole Diameter: 4,5 mm



Designed to be used in hip fractures with the advantage that the retractor can be kept in place while using image intensification or taking an x-ray. The handle can be rotated to the right or left for surgeon preference. May be steam or gas sterilized.



*Handle can be rotated to right or left*

## Dozier Radiolucent Bennett Hip Fracture Retractor

Designed by John K. Dozier, MD

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

### PRODUCT NO:

**6870**

Handle Length: 6.75" (17,1 cm)  
Blade Length: 8.5" (21,6 cm)  
Blade Width at Widest: 67 mm



## Kaminsky OrthoLucent™ Browne-type Deltoid Retractors

*Used for the Delto-Pectoral Approach—can remain in place for fracture reduction, plate positioning, and screw/wire/drill location confirmation*

Used for acromioplasty, rotator cuff repair, and fracture fixation. Contours the humeral head with deltoid retraction allowing extensive exposure. Helps to reduce operative time, assist in fracture reduction, and maintain hardware position without the frequent need for retractor removal and reintroduction.

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

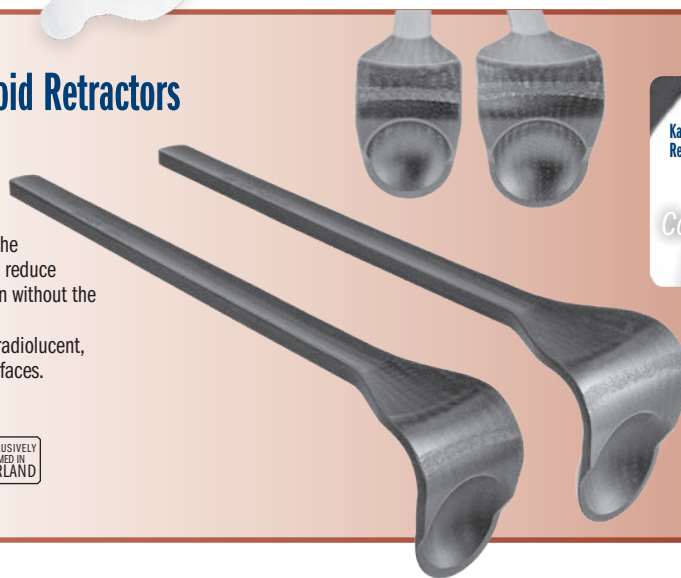
### PRODUCT NO'S:

**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)

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SWITZERLAND

Designed by Sean B. Kaminsky, MD



*Completely radiolucent*

## Levy Wide Deltoid Retractor

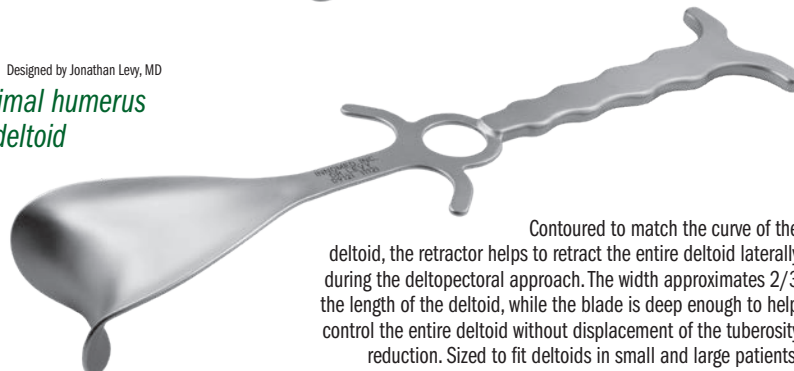
Designed by Jonathan Levy, MD

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

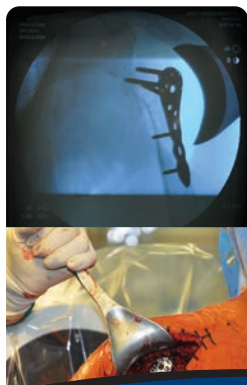
### PRODUCT NO:

**1672**

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



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.



# Basic Screw Removal System

System designed to help remove damaged and broken screws from 1.5 to 7.0 mm

## PRODUCT NO'S:

**2022-00** [Complete System with Case]

System includes / Available Individually:

**2022-01** [Screw Removal Pliers]

Overall Length: 8" (20,3 cm)

**2022-02** [Mini Lexer Gouge - 4 mm]

Overall Length: 7" (17,8 cm)

Gouge Width: 4 mm

**2022-03** [Mini Lexer Gouge - 6 mm]

Overall Length: 7" (17,8 cm)

Gouge Width: 6 mm

**2022-04** [Mini Lexer Gouge - 10 mm]

Overall Length: 7" (17,8 cm)

Gouge Width: 10 mm

**2022-05** [Extraction Screw for 1.5/2.0 mm Screw]

Overall Length: 1.6" (4 cm)

**2022-06** [Extraction Screw for 2.7/3.5/4.0 mm Screw]

Overall Length: 1.6" (4 cm)

**2022-07** [Extraction Screw for 4.5/5.0/6.5/7.0 mm Screw]

Overall Length: 1.6" (4 cm)

**2022-CASE** [Case for System]

**2022-IP** [Instruction Plate]

Dimensions: 7.875" x 3.65" (20 x 9,3 cm)

**2022-SH** [Sharp Hook]

Overall Length: 6.1" (15,5 cm)

**2022-T** [T-Handle with AO-End]

Overall Length: 5.9" (15 cm)

Handle Width: 3.15" (8 cm)

**2023-01** [Extraction Bolt for 1.5 mm Screw]

Overall Length: 2.35" (6 cm)

**2023-02** [Extraction Bolt for 2.0 mm Screw]

Overall Length: 2.35" (6 cm)

**2023-03** [Extraction Bolt for 2.7 mm Screw]

Overall Length: 2.35" (6 cm)

**2023-04** [Extraction Bolt for 3.5/4.0 mm Screw]

Overall Length: 2.35" (6 cm)

**2023-05** [Extraction Bolt for 4.5 mm Screw]

Overall Length: 3.15" (8 cm)

**2023-06** [Extraction Bolt for 5.0/6.5/7.0 mm Screw]

Overall Length: 3.94" (10 cm)

**2023-07** [Trephine for 1.5 mm Screw]

Overall Length: 4.125" (10,5 cm)

**2023-08** [Trephine for 2.0 mm Screw]

Overall Length: 4.125" (10,5 cm)

**2023-09** [Trephine for 2.7 mm Screw]

Overall Length: 4.125" (10,5 cm)

**2023-10** [Trephine for 3.5/4.0 mm Screw]

Overall Length: 4.125" (10,5 cm)

**2023-11** [Trephine for 4.5 mm Screw]

Overall Length: 5.4" (13,7 cm)

**2023-12** [Trephine for 5.0/6.5/7.0 mm Screw]

Overall Length: 5.4" (13,7 cm)

**2024-01** [Spare Trephine Cutting End for 1.5 mm Screw]

Overall Length: 1.6" (4 cm)

**2024-02** [Spare Trephine Cutting End for 2.0 mm Screw]

Overall Length: 1.6" (4 cm)

**2024-03** [Spare Trephine Cutting End for 2.7 mm Screw]

Overall Length: 1.6" (4 cm)

**2024-04** [Spare Trephine Cutting End for 3.5/4.0 mm Screw]

Overall Length: 1.6" (4 cm)

**2024-05** [Spare Trephine Cutting End for 4.5 mm Screw]

Overall Length: 2.75" (7 cm)

**2024-06** [Spare Trephine Cutting End for 5.0/6.5/7.0 mm Screw]

Overall Length: 2.75" (7 cm)

## Screw Removal Pliers



#2022-01

## Sharp Hook



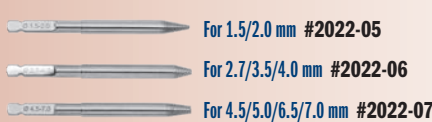
#2022-SH

## T-Handle with AO-End



#2022-T

## Extraction Screws



For 1.5/2.0 mm #2022-05

For 2.7/3.5/4.0 mm #2022-06

For 4.5/5.0/6.5/7.0 mm #2022-07

## Extraction Bolts



For 1.5 mm Screw #2023-01

For 2.0 mm Screw #2023-02

For 2.7 mm Screw #2023-03

For 3.5/4.0 mm Screw #2023-04

For 4.5 mm Screw #2023-05

For 5.0/6.5/7.0 mm Screw #2023-06

## Trephines



For 1.5 mm Screw #2023-07

For 2.0 mm Screw #2023-08

For 2.7 mm Screw #2023-09

For 3.5/4.0 mm Screw #2023-10

For 4.5 mm Screw #2023-11

For 5.0/6.5/7.0 mm Screw #2023-12

## Spare Trephine Cutting Ends



For 1.5 mm Screw #2024-01

For 2.0 mm Screw #2024-02

For 2.7 mm Screw #2024-03

For 3.5/4.0 mm Screw #2024-04

For 4.5 mm Screw #2024-05

For 5.0/6.5/7.0 mm Screw #2024-06

## Mini Lexer Gouges



4 mm Gouge #2022-02

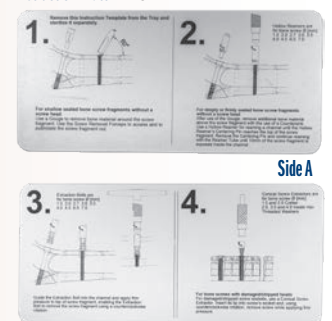
6 mm Gouge #2022-03

10 mm Gouge #2022-04

## Set in Case



## Instruction Plate #2022-IP



Side A

Side B

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# Universal Screw Removal Instrument System

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

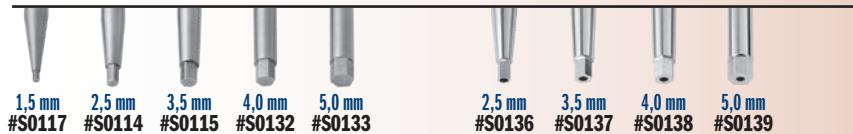


## Screw Extractors

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

## Trephines

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

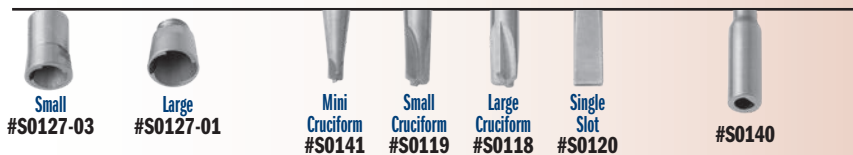


## Hex Drivers

Solid shaft in all standard hex sizes.

## Hex Drivers

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



## Universal Extraction Bolts

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.

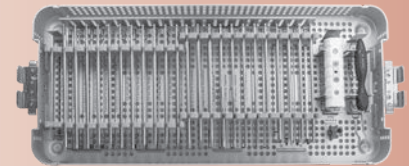
## Pick #S0129

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



## Universal Instrument Handle #S0113

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.



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

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



# Lawton Screw Extractors

Designed by Jeffrey Lawton, MD

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

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





#### PRODUCT NO'S:

**1426-00** [Complete Set with Case]

**Set Includes/Available Separately:**

**1426-01** [5 mm Internal Diameter]

Overall Length: 7.125" (18,1 cm)

**1426-02** [6.5 mm Internal Diameter]

Overall Length: 7.125" (18,1 cm)

**1426-03** [8 mm Internal Diameter]

Overall Length: 7.125" (18,1 cm)

**1426-05** [9 mm Internal Diameter]

Overall Length: 7.125" (18,1 cm)

**1426-06** [10 mm Internal Diameter]

Overall Length: 7.125" (18,1 cm)

**1426-07** [11 mm Internal Diameter]

Overall Length: 7.125" (18,1 cm)

**1425-14** [Handle Assembly]

Dimensions: 4" x 2" (10,2 cm x 5,1 cm)

**1025** [Sterilization Case]

**Replacement Part:**

**1425-14-B-COMP** [Handle Retaining Screw]



## Cheng Screw Removal and Bone Trephine Set

Designed by Edward Cheng, MD

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

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

### For Screw Removal

The trephine ends are designed to fit over embedded screws for extraction with minimal bone loss.

Six sizes available – internal diameters of 5, 6.5, 8, 9, 10, and 11 mm. The T-handle allows for precise, controlled use.

### For Core Bone Sampling

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



Cannulated  
T-Handle  
#1425-14



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

Small & Large Single Slot #5195-02

Cross & Cruciate #5195-03

3.5 mm & 4.5 mm Hex #5195-04

Small & Large Phillips #5195-05

#6 & #8 star #5195-08

#10 & #15 star #5195-06

#20 & #25 star #5195-07



Handle  
#5195-01

Helpful during revision total joint surgery where screws have been used, removal of bone plates, fracture fixation screws or bone graft screws.

## Universal Screwdriver Set

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

#### PRODUCT NO'S:

**5195** [Complete Set with Case]

**Set Includes / Available 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]



#### PRODUCT NO'S:

**8003-00** [Set – One Each]

**Set Includes / Available Individually:**

**8003-01** [Torx Bit to Hex Driver Adapter]

Overall Length: .6" (1,54 cm)

**8003-02** [Hex Bit to Torx Driver Adapter]

Overall Length: .6" (1,54 cm)



Hex Bit to Torx Driver Adapter  
#8003-02

Designed for  
conversion of a 3.5  
mm screwdriver



Torx Bit to Hex Driver Adapter  
#8003-01

## Torx/Hex Adapter Set

Designed by Stephen M. Walsh, MD

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



## Star Bit Driver Set

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

#### PRODUCT NO'S:

**5194-00** [4 Star Bits w/Handle & Case]

**5194-01** [4 Star Bits w/Case only]

**Also available individually:**

**S0113** [Universal 4" (10,2 cm) Handle]

**5194-10** [T10 with A/O End]

**5194-15** [T15 with A/O End]

**5194-20** [T20 with A/O End]

**5194-25** [T25 with A/O End]

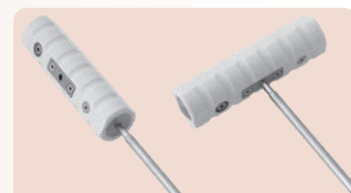
**9003** [Case]



Set in Storage Case

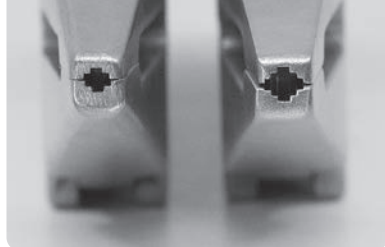


Helpful during revision total joint surgery. Set consists of four star bits – T10, T15, T20, & T25, a handle which accommodates any of the above bits, and a sterilization case. The drive end (A/O) is designed for easy and quick engagement with the universal instrument handle. The ergonomic, modular handle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



## Screw/Pin Removal Locking Pliers

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



### NEW Small Jaw End & Bite

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

### Standard Jaw End & Bite

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

Standard #S0142

Small #S0142-01

*Reduced jaw size for smaller screws, pins and incisions*



#### PRODUCT NO'S:

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

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

## Screw Extractor with Speed Lock

Designed by Khaled Sarraf, MD & Konstantinos Doudoulakis, MD

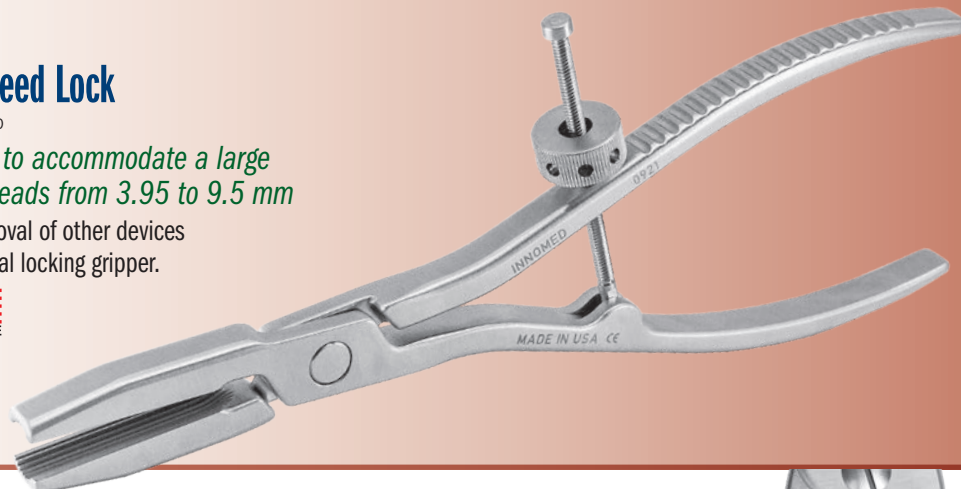
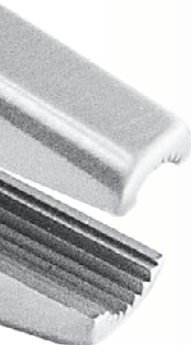
*Universal extractor designed to accommodate a large range of screws and screw heads from 3.95 to 9.5 mm*

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

#### PRODUCT NO:

**2021**

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



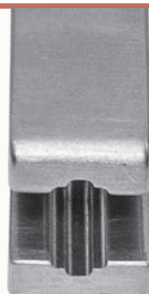
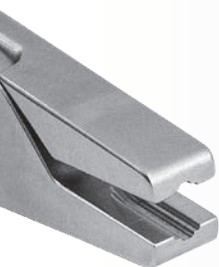
## Screw Removal Pliers

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

#### PRODUCT NO:

**2020**

Overall Length: 8 (20,3 cm)



## Screw Removal Locking Pliers

*Designed to solidly grip and clamp onto a screw head, broken screw, or pin for removal*

#### PRODUCT NO:

**2022-01**

Overall Length: 8" (20,3 cm)

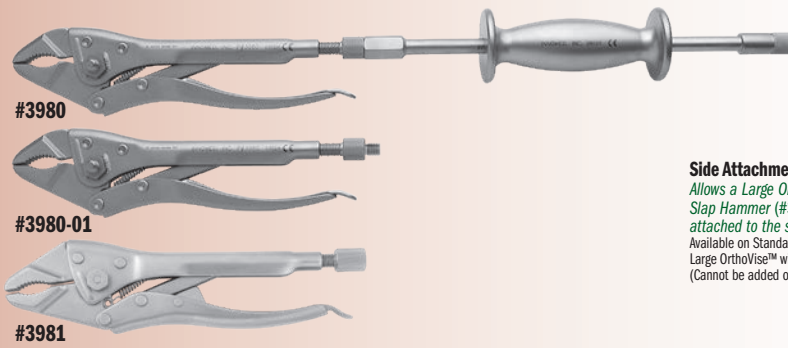
MADE FOR INNOMED IN GERMANY



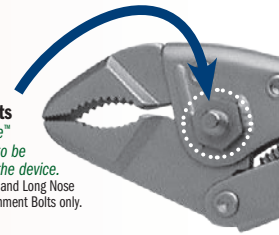
*New!*

## STANDARD LARGE

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

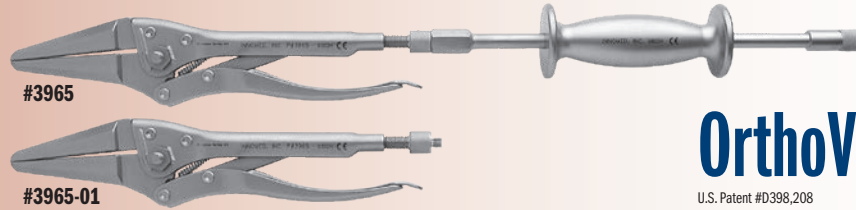


**Side Attachment Bolts**  
Allows a Large OrthoVise™ Slap Hammer (#3950) to be attached to the side of the device. Available on Standard Large and Long Nose Large OrthoVise™ with Attachment Bolts only. (Cannot be added on later.)



## LONG NOSE LARGE

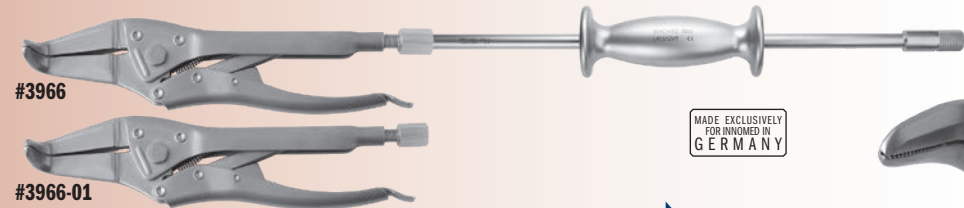
| PRODUCT NO'S:  |                                                                                      |
|----------------|--------------------------------------------------------------------------------------|
|                | OrthoVise™ Length: 12" (30,5 cm)                                     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



**OrthoVise™**  
U.S. Patent #D398,208

## LONG NOSE LARGE BENT JAW

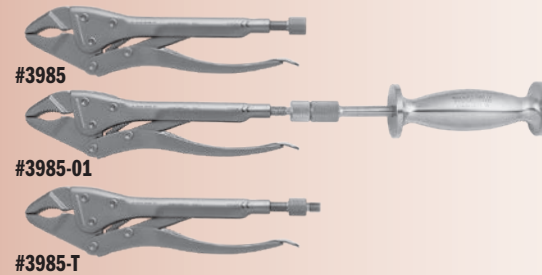
| PRODUCT NO'S:  |                                                                                                 |
|----------------|-------------------------------------------------------------------------------------------------|
|                | OrthoVise™ Length: 11.5" (29,2 cm)             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



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FOR INNOVEM  
GERMANY

## STANDARD SMALL

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



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

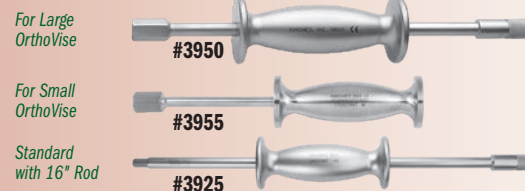
## LONG NOSE SMALL

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



## SLAP HAMMERS

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



For Large  
OrthoVise

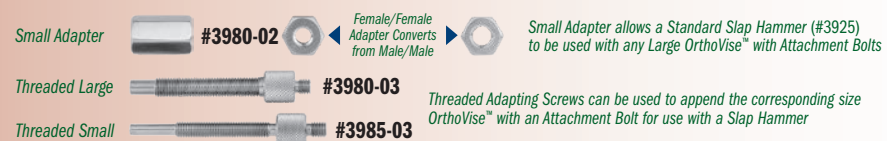
For Small  
OrthoVise

Standard  
with 16" Rod



## THREADED ADAPTERS

| PRODUCT NO'S:  |                                                                                 |
|----------------|---------------------------------------------------------------------------------|
| <b>3980-02</b> | [Small Adapter]<br>Changes Male End of a Slap Hammer to Female                  |
| <b>3980-03</b> | [Threaded Adapting Screw – Large]<br>For use with: 3965's, 3966's, 3980's, 3981 |
| <b>3985-03</b> | [Threaded Adapting Screw – Small]<br>For use with: 3975's, 3985's               |



Small Adapter

Threaded Large

Threaded Small

Female/Female  
Adapter Converts  
from Male/Male

Small Adapter allows a Standard Slap Hammer (#3925) to be used with any Large OrthoVise™ with Attachment Bolts

Threaded Adapting Screws can be used to append the corresponding size OrthoVise™ with an Attachment Bolt for use with a Slap Hammer

## Mini-lexer Gouges

*Can be used to help remove bone from around screw heads or broken screws*

### PRODUCT NO'S:

**2022-02** [Mini Lexer Gouge – 4 mm]  
Overall Length: 7" (17,8 cm)  
Gouge Width: 4 mm

**2022-03** [Mini Lexer Gouge – 6 mm]  
Overall Length: 7" (17,8 cm)  
Gouge Width: 6 mm

**2022-04** [Mini Lexer Gouge – 10 mm]  
Overall Length: 7" (17,8 cm)  
Gouge Width: 10 mm

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GERMANY

**New!**

4 mm Gouge #2022-02



6 mm Gouge #2022-03



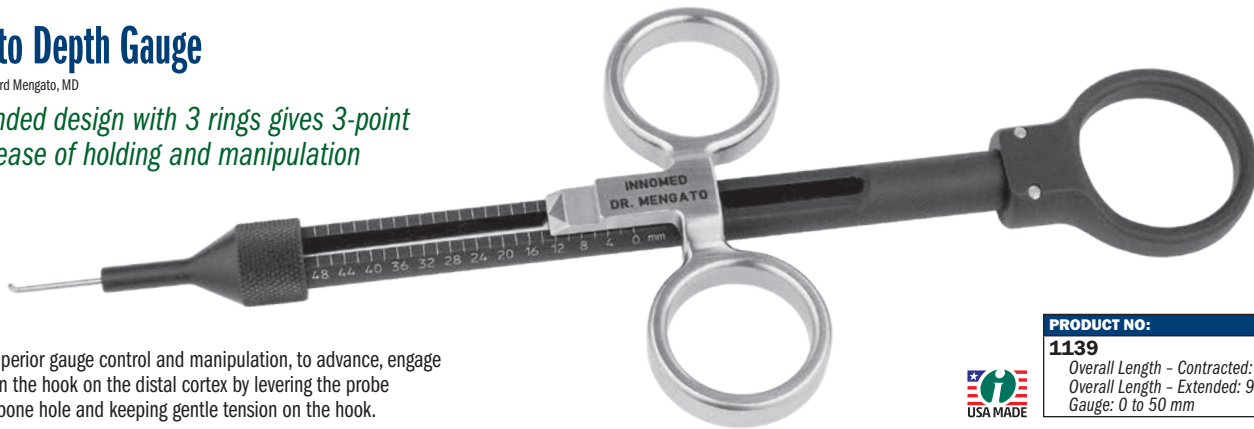
10 mm Gouge #2022-04



## Mengato Depth Gauge

Designed by Richard Mengato, MD

*Ring-handed design with 3 rings gives 3-point grip for ease of holding and manipulation*



Allows for superior gauge control and manipulation, to advance, engage and maintain the hook on the distal cortex by 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

### PRODUCT NO:

**8015**

Overall Length: 7.625" (19,4 cm)  
Scale: From 0 to 48 mm



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

## Clear Vision Debris Shield

Designed by R. Barry Sorrells, MD

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

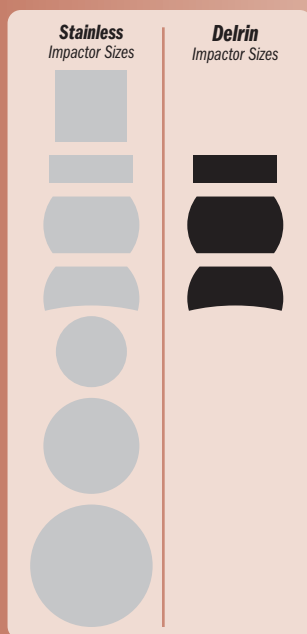
Held between the surgical site and the operating personnel, the shield provides a clear undistorted view, while helping to protect the patient and personnel from possible contamination. The shield is autoclavable and gas sterilizable in a flat position.

### PRODUCT NO:

**8031-01**

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





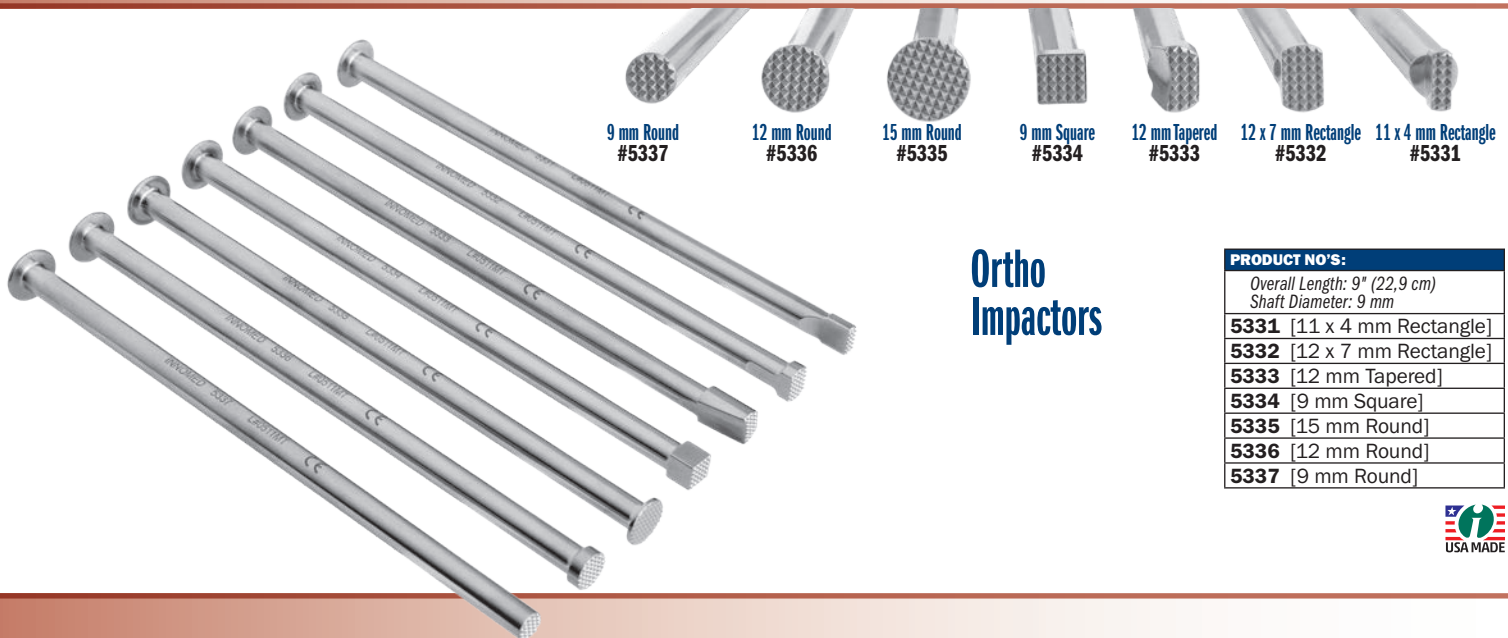
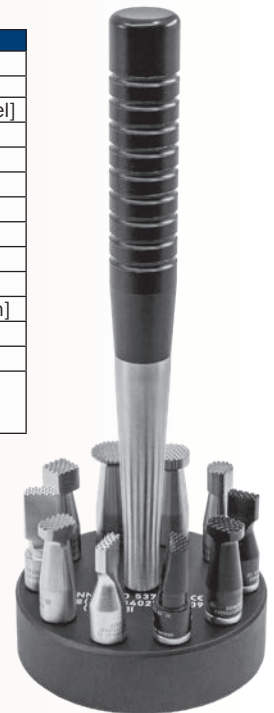
## Modular Impactor Set

*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:                                           |                                         |
|-------------------------------------------------------|-----------------------------------------|
| <b>5370</b>                                           | [Complete Set]                          |
| <i>Included In Set / Also Available Individually:</i> |                                         |
| <b>5370-01</b>                                        | [Rectangular Tip 11 mm x 4 mm Steel]    |
| <b>5370-02</b>                                        | [Oval Tip 13 mm x 8 mm Steel]           |
| <b>5370-03</b>                                        | [Crescent Tip 12 mm x 5 mm Steel]       |
| <b>5370-04</b>                                        | [Square Tip 9 mm x 9 mm Steel]          |
| <b>5370-05</b>                                        | [Round Tip 15 mm Steel]                 |
| <b>5370-06</b>                                        | [Round Tip 12 mm Steel]                 |
| <b>5370-07</b>                                        | [Round Tip 9 mm Steel]                  |
| <b>5370-19</b>                                        | [Set Base] Base Diameter: 3.5" (8,9 cm) |
| <b>5370-D1</b>                                        | [Rectangular Tip 11 mm 4 mm Delrin]     |
| <b>5370-D2</b>                                        | [Oval Tip 13 mm x 8 mm Delrin]          |
| <b>5370-D3</b>                                        | [Crescent Tip 12 mm x 5 mm Delrin]      |
| <b>5370-H</b>                                         | [Modular Handle]                        |
| Overall Length: 8" (20,3 cm)                          |                                         |
| Grip Length: 4.5" (11,4 cm)                           |                                         |



## Ortho Impactors

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



## Universal Bone Grafting / Impacting Forceps

Designed by J.A. Amis, MD

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

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

Long 10" with 1/8" (3,2 mm) Diameter End **#5050-01**  
 Long 10" with 3/16" (4,8 mm) Diameter End **#5050-02**  
 Long 10" with 1/4" (6,3 mm) Diameter End **#5050-03**  
 Long 10" with 5/16" (8 mm) Diameter End **#5050-04**



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

Short 6" with 1/8" (3,2 mm) Diameter End **#5010-01**  
 Short 6" with 3/16" (4,8 mm) Diameter End **#5010-02**  
 Short 6" with 1/4" (6,3 mm) Diameter End **#5010-03**  
 Short 6" with 5/16" (8 mm) Diameter End **#5010-04**

1/8" (3,2 mm) 3/16" (4,8 mm) 1/4" (6,3 mm) 5/16" (8 mm)

Diameter ends at actual size (closed forceps)



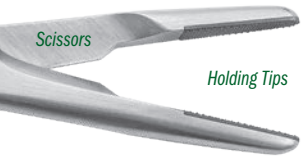
*When the forceps are closed, they form into an impacting punch*



## Rogozinski Locking Needle Driver/Scissors

Designed by Chaim Rogozinski, MD

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



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

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GERMANY



Standard #3083



Large #3084



5.5" Tungsten  
Carbide  
#3055

6.5" Tungsten  
Carbide  
#3065

7" Tungsten  
Carbide  
#3075

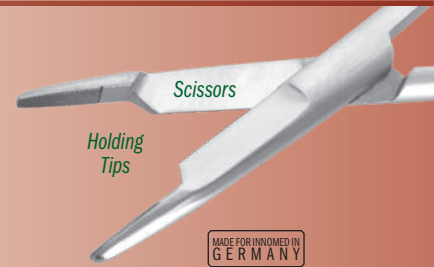
7" Standard  
#3070

*Longer sizes are  
helpful in orthopedics*

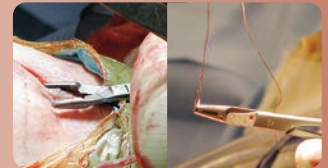
## Orthopedic Needle Holder/Scissors

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

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



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## Large T-Handle Fixed Drivers

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

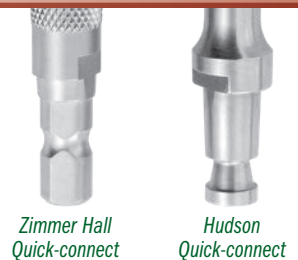
The two standard Quick-connect models release by pulling the collar backward, while the Reverse Quick-connect model is designed to have the collar be pushed forward for release.



Zimmer Hall  
Quick-connect  
#8248

Zimmer Hall  
Reverse Quick-connect  
#8248-01

Hudson  
Quick-connect  
#8249



Zimmer Hall  
Quick-connect

Hudson  
Quick-connect

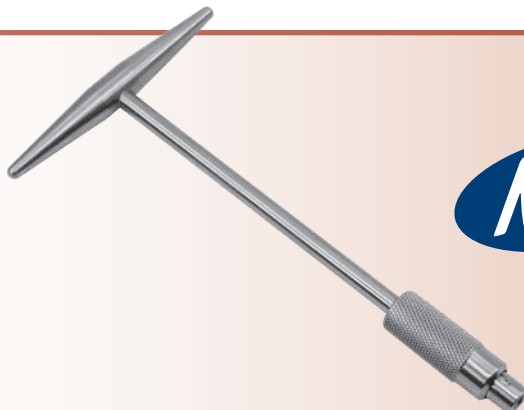
| PRODUCT NO'S:                                      |                                                                                       |
|----------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>8248</b> [Zimmer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



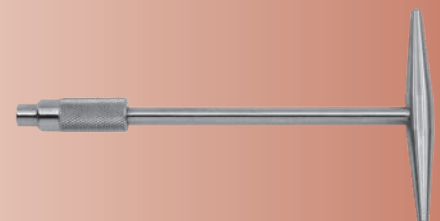
## T-Handle with AO-End

| PRODUCT NO:   |                                                            |
|---------------|------------------------------------------------------------|
| <b>2022-T</b> | Overall Length: 5.9" (15 cm)<br>Handle Width: 3.15" (8 cm) |

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*New!*





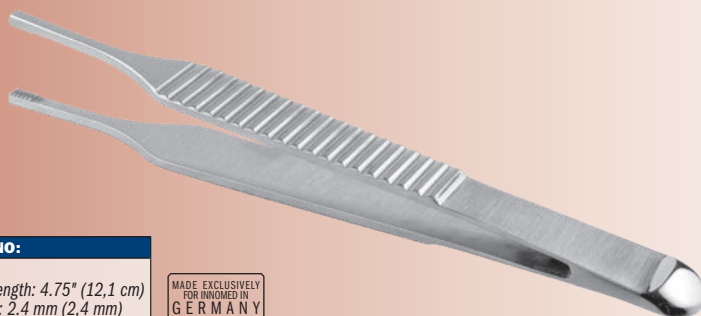
## Long Jaw Needle Nose Pliers

### PRODUCT NO:

**1833**

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

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### PRODUCT NO:

**1166**

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

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## Adson Forceps with Cobb Elevator End

Designed by Oscar Castro-Aragon, MD

*Has the advantages of having a Cobb tip at the end of an Adson forceps*

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



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### PRODUCT NO:

**2017**

Overall Length: 4.875" (12,4 cm)

## Rudisill Locking Small Bone Reduction Forcep

Designed by Ed Rudisill, MD

*For reduction of hand phalanx and metacarpal fractures*



## Faillace Bone Impact/Graft Forceps

Design modification by John J. Faillace, MD, FFAOS

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

### PRODUCT NO:

**5011**

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

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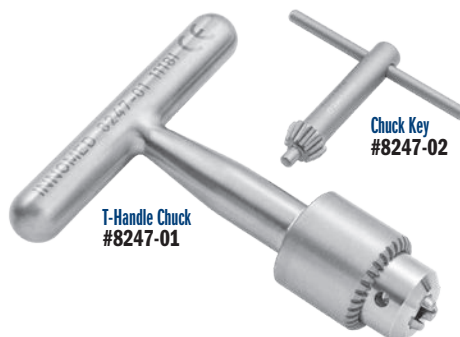
## T-Handle Chuck & Key

### PRODUCT NO'S:

**8247-00** [T-Handle Chuck & Key]

**8247-01** [T-Handle Chuck Only]

**8247-02** [Chuck Key Only]



T-Handle Chuck  
#8247-01

Chuck Key  
#8247-02

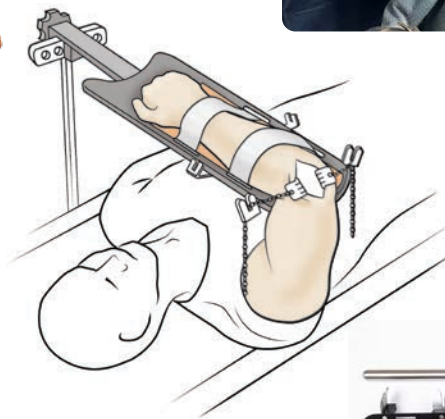
# Auerbach Arm Holder Rake Retractor Set

Designed by David M. Auerbach, MD

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



| PRODUCT NO'S:                                      |                                |
|----------------------------------------------------|--------------------------------|
| <b>2415-00</b>                                     | [Set]                          |
| <b>Individual/Replacement Parts:</b>               |                                |
| <b>2415-01</b>                                     | [Arm Holder Assembly]          |
| Overall Length: 20" (50,4 cm)                      |                                |
| Arm Holder Dimensions: 14.5" x 4" (36,9 x 10,2 cm) |                                |
| Overall Width including Cleats: 7.5" (19,1 cm)     |                                |
| <b>2415-02</b>                                     | [Arm Holder Upright Rod]       |
| Overall Length: 19.25" (49,9 cm)                   |                                |
| <b>2415-04</b>                                     | [Rake Chain Retractor 4-Prong] |
| Two included in set, one with this product number  |                                |
| Overall Length including Chain: 10" (25,4 cm)      |                                |
| Retractor Width: .75" (1,9 cm)                     |                                |
| <b>2415-06</b>                                     | [Rake Chain Retractor 6-Prong] |
| Two included in set, one with this product number  |                                |
| Overall Length including Chain: 10" (25,4 cm)      |                                |
| Retractor Width: 1.25" (3,2 cm)                    |                                |
| <b>2595</b>                                        | [Table Clamp]                  |
| <b>2770-P</b>                                      | [Silicone Pad]                 |
| Dimensions: 12" x 5.5" (30,5 x 14 cm)              |                                |
| <b>Replacement Parts:</b>                          |                                |
| <b>2590-S</b>                                      | [Black Straps] Pkg of 10       |



- ▶ Simple design for fast and easy positioning
- ▶ Connects over the drape in the sterile field using the supplied rail clamp and post
- ▶ Can be repositioned during surgery
- ▶ Sterilizable rubber pad protects the arm
- ▶ Retractors for the skin and soft tissues connect to the holder
- ▶ Compact for easy storage



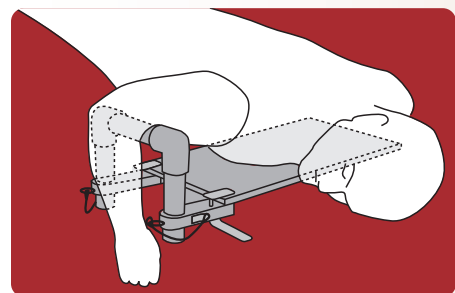
Set includes: Arm Holder Upright and Assembly, (2) 4-Prong Chain Retractors, (2) 6-Prong Chain Retractors, (2) Black Straps, Silicone Pad, and Table Clamp.

# Distal Humerus Fracture Board

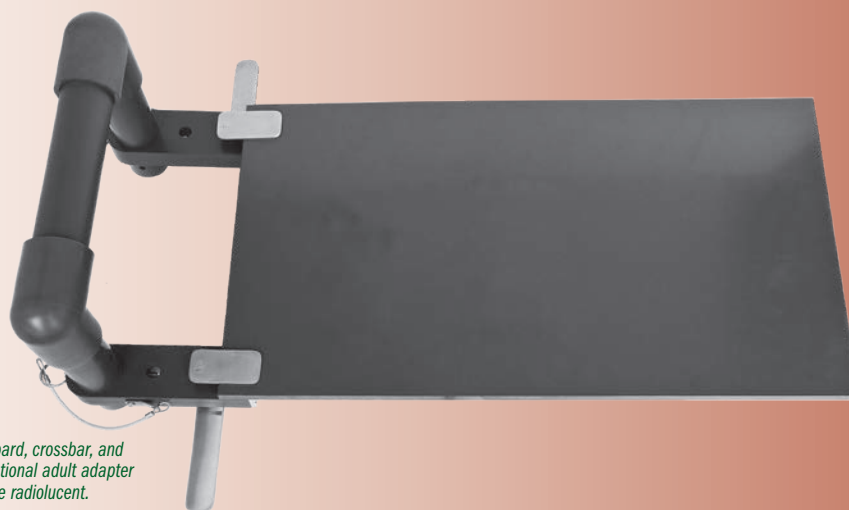
Designed by Burk Young, MD

*Designed for the pinning of pediatric supra-condylar and adult distal humerus fractures*

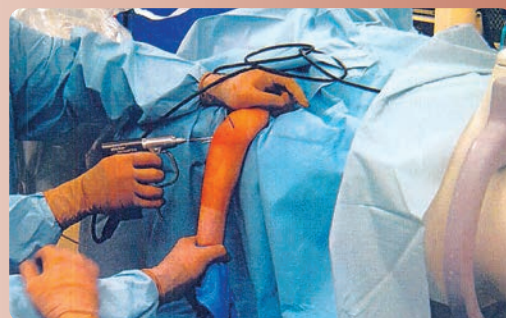
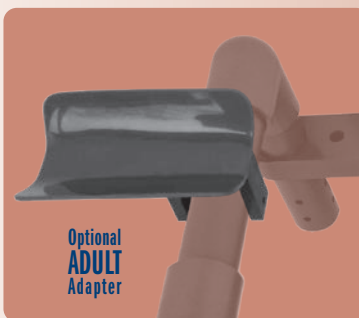
Allows the surgeon to pin these fractures without having to manually hold the fracture reduced, allowing the surgeon to focus on accurate pin placement and reduction. The height of the crossbar is fully adjustable to accommodate different size patients. Reduction is achieved by an assistant gently applying 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:                                                  |                                       |
|----------------------------------------------------------------|---------------------------------------|
| <b>2445</b>                                                    | [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) |                                       |
| <b>2445-01</b>                                                 | [Fracture Board – With Adult Adapter] |
| <b>Optional/Replacement Part:</b>                              |                                       |
| <b>2445-06</b>                                                 | [Adult Adapter]                       |



Board, crossbar, and optional adult adapter are radiolucent.





## Adjustable Knee & Tibial Positioner

Designed by Ashutosh Chaudhari, MD

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

| PRODUCT NO'S:                  |                                                                                                                                                                                                                                           |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>2770-00</b>                 | [Set]<br>Includes Positioner, Pad,<br>and Two Short Straps                                                                                                                                                                                |
| Individual / Replacement Parts |                                                                                                                                                                                                                                           |
| <b>2770-01</b>                 | [Positioner]<br>Overall Length (Folded): 28" (71.1 cm)<br>Overall Length (Flat): 54.75" (139 cm)<br>Maximum Triangle Height: 14" (35.6 cm)<br>Width: 5.5" (14 cm)<br>Thickness (Folded): 1.8" (4.6 cm)<br>Thickness (Flat): .75" (1.9 cm) |
| <b>2770-P</b>                  | [Silicone Pad]<br>Dimensions: 12" x 5.5" (30.5 cm X 14 cm)                                                                                                                                                                                |
| <b>2590-S</b>                  | [Short Straps] Pkg of 10                                                                                                                                                                                                                  |



Radiolucent. Steam sterilizable.



16" #2760-03

14" #2760-02

11" #2760-01

8.5" #2760-XS Sold Separately -  
Not In Set



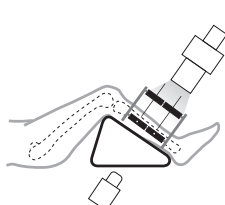
## Fromm Femur & Tibia Triangles

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

Designed by S.E. Fromm, MD \*

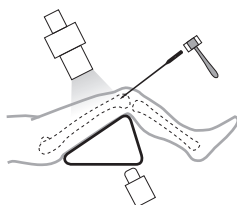
Extra Small Triangle designed by S.E. Fromm, MD & Kenneth Merriman, MD

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.



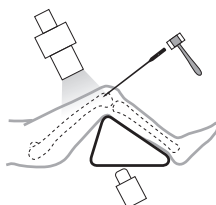
### Tibia Reduced For:

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

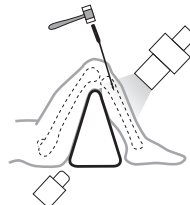


### Retrograde Femoral Nailing

Triangle holds femur reduced (prevents sagging)



### Retrograde Femoral Nailing



### Tibial Nailing

| PRODUCT NO'S:                                 |                                                  |
|-----------------------------------------------|--------------------------------------------------|
| <b>2760-00</b>                                | [Set of 3] Angles: Top 30°, Two Bottom 75°       |
| <b>Set Includes / Available Individually:</b> |                                                  |
| <b>2760-01</b>                                | [11"] Base: 6" (15.2 cm), Height: 11" (27.9 cm)  |
| <b>2760-02</b>                                | [14"] Base: 7" (17.8 cm), Height: 14" (35.6 cm)  |
| <b>2760-03</b>                                | [16"] Base: 9" (22.9 cm), Height: 16" (40.7 cm)  |
| <b>Sold Separately - Not In Set:</b>          |                                                  |
| <b>2760-XS</b>                                | [8.5"] Base 5" (12.7 cm), Height: 8.5" (21.6 cm) |
| <b>Replacement Parts:</b>                     |                                                  |
| <b>2760-P</b>                                 | [Silicone Pad]                                   |
| <b>2760-S</b>                                 | [Straps] Package of 18                           |
| <b>8120-SP</b>                                | [Straps for XS] Package of 10                    |



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



## 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. Height is adjustable from 28" to 46.5".

Mounts to the base of the OR table

## Universal Table Adapter with Traction Device Assembly

*A universal traction assembly with Jackson Traction Device for standard operating room tables used to assist with fracture fixation in the acetabulum, pelvis, and femur, and designed to attach to standard operating table side rails*

Assembly Includes: Jackson Traction Device, two (2) Vertical Rods, Horizontal Rod, and a Universal Table Adapter with Post Screw

### PRODUCT NO'S:

**0005-00** [Complete Assembly]

### Set Includes / Available Individually:

**0005-01** [Universal Table Adapter]

**0005-02** [Vertical Rod]

*One with this product number, two included in set.*

**0005-03** [Horizontal Rod]

**0007** [Jackson Traction Device]

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

**4150** [Post Screw]

### Optional Items:

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

**2595** [Table Clamp]



All components can be ordered separately.



*New!*

Jackson  
Traction Device  
#0007

Universal Table Adapter #0005-01

Horizontal Rod #0005-03

Vertical Rod  
#0005-02

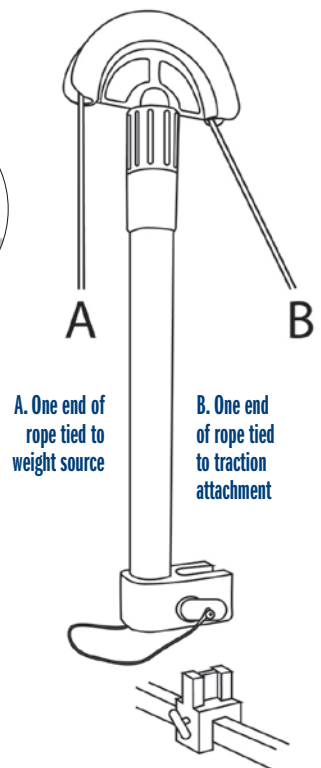
Vertical rods include measurement markings to help with levelling  
(Two vertical rods included in assembly, one with this product number)

Vertical Rod  
#0005-02

### STANDARD SIDE RAIL

Side rail shown for set-up purposes only.

Optional Table Clamps attach to a standard side rail.  
(#2595 Sold Separately)



A. One end of rope tied to weight source

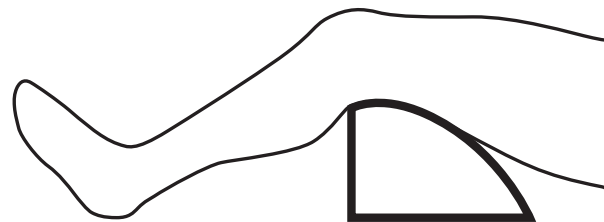
B. One end of rope tied to traction attachment

## Lower Extremity Leg Positioner

Designed by Ronald Romanelli, MD

*Used to support knee and leg during surgery, and can be used for casting*

- ▶ Utilized for rodding of femurs or tibias
- ▶ Also useful for knee surgery and closures
- ▶ Very supportive, distributes stresses on leg, used instead of bolsters
- ▶ Supplied with one autoclavable silicone pad
- ▶ Aluminum 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]



## 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)



## Disposable Sterile Kit

### PRODUCT NO'S:

**0008** [Disposable Sterile Kit]

Kit Includes:

- (1) Impervious Stockinette and
- (1) 11 ft. Traction rope

### Optional Items:

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



Includes one impervious stockinette and one 11 ft. traction rope. (Weight not included.)



Disposable Sterile Kit #0008

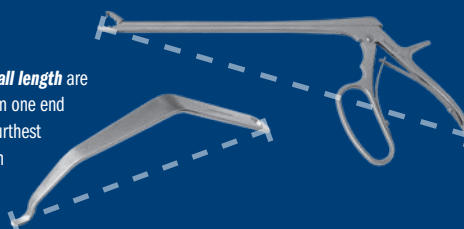
### For optional use with the Innomed:

- ▶ Jackson Flat Top Traction Device
- ▶ Universal Traction Assembly
- ▶ Universal Table Adapter with Traction Device Assembly

## Measurements in this Catalog

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

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



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



# FREE TRIAL

## on most instruments

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

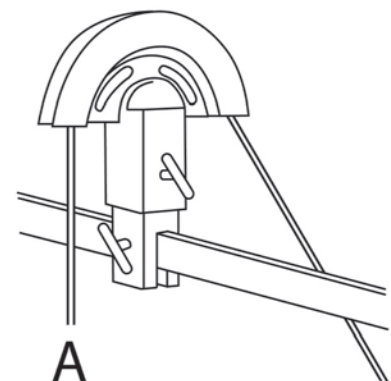
\*When shipped to a hospital or medical center; additional charge applies for expedited shipping.  
Free trial offer excludes implant extraction instruments, which are available as rentals. There is a pad replacement charge with the hip positioners.

### Universal Traction Assembly

A universal traction assembly with Traction Device for standard operating room tables used to assist with fracture fixation in the acetabulum, pelvis, and femur, and designed to attach to standard operating table side rails



*New!*



A. One end of rope tied to weight source  
B. One end of rope tied to traction attachment

| PRODUCT NO'S:                                                  |                                               |
|----------------------------------------------------------------|-----------------------------------------------|
| <b>0006-00</b>                                                 | [Universal Traction Assembly]                 |
| <i>Set Includes / Available Individually:</i>                  |                                               |
| <b>0006-01</b>                                                 | [Universal Traction Device]                   |
| <b>0005-02</b>                                                 | [Vertical Rod]                                |
| <i>One with this product number, two included in set.</i>      |                                               |
| <b>0005-03</b>                                                 | [Horizontal Rod]                              |
| <b>0008</b>                                                    | [Disposable Sterile Kit] <i>Kit Includes:</i> |
| <i>(1) Impervious Stockinette and (1) 11 ft. Traction rope</i> |                                               |
| <i>Optional Items:</i>                                         |                                               |
| <b>0008-CASE</b>                                               | [Case of Sterile Kits] <i>Pkg of 10</i>       |
| <b>2595</b>                                                    | [Table Clamp]                                 |

All components can be ordered separately.



Includes:  
Disposable  
Sterile Kit  
#0008

See page 35  
for details.



ISO 13485:2016

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