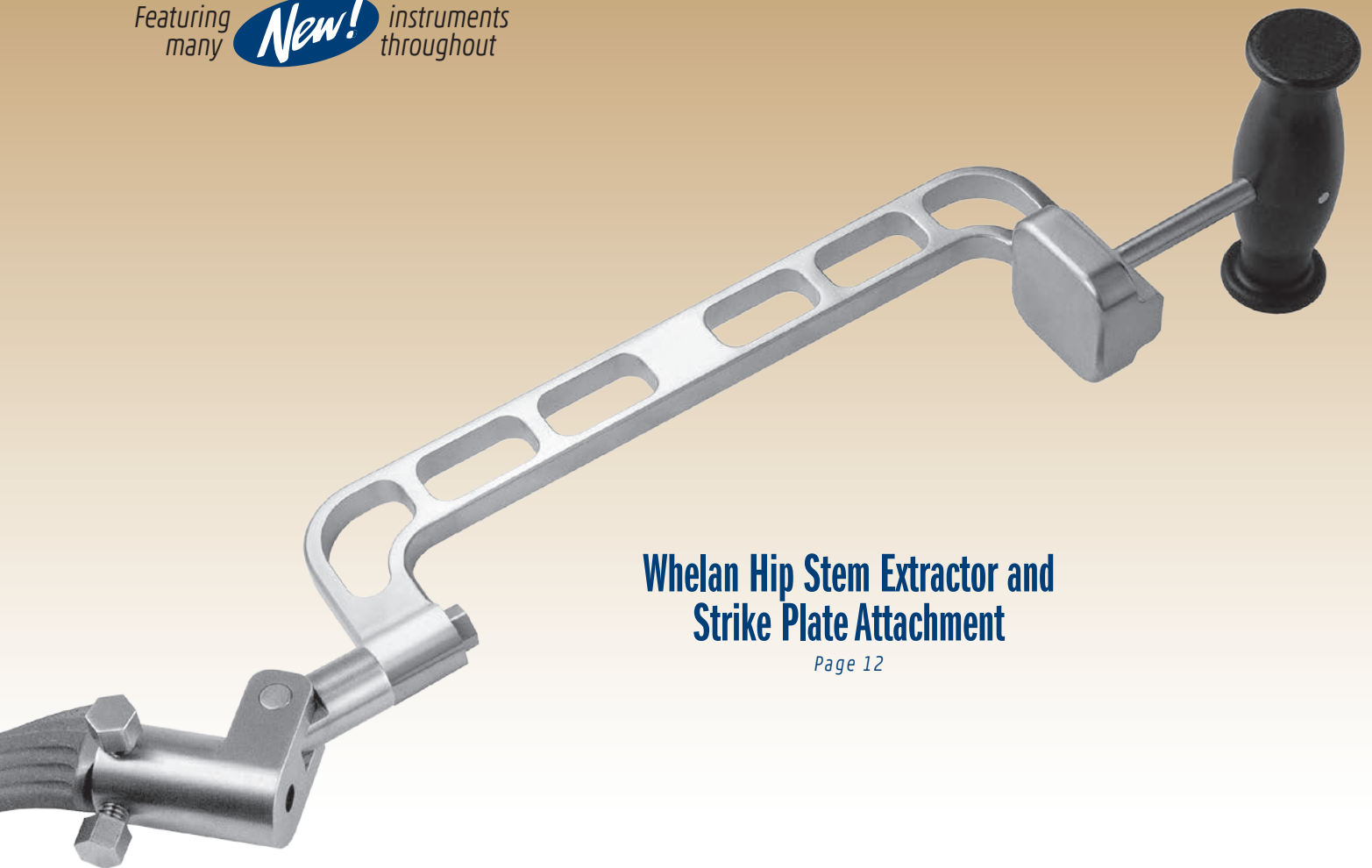


## Hip: Primary & Revision Instruments

April 2017

Featuring  
many **New!** instruments  
throughout



**Whelan Hip Stem Extractor and  
Strike Plate Attachment**

Page 12

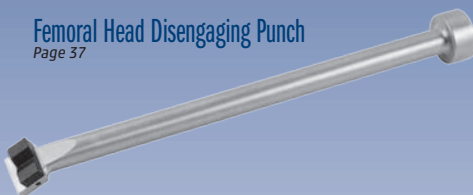
# What's New In This Catalog?

a snapshot of all the *New!* instruments within

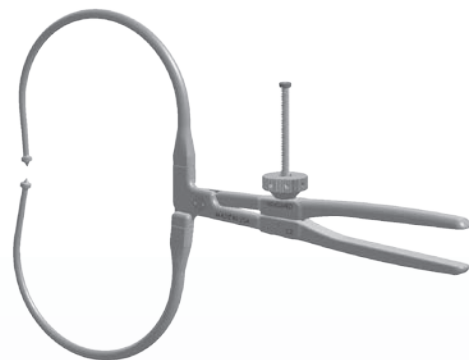
Atlant Super Slap Hammer  
Page 15



Femoral Head Disengaging Punch  
Page 37



Periarticular Reduction Forceps  
Page 49



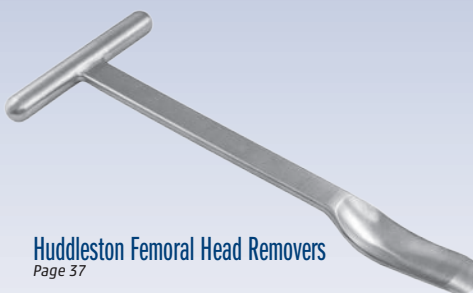
Flexible Ball Nose Reamer  
Page 41



Becker Curette Suction Device  
Page 53



Huddleston Femoral Head Removers  
Page 37



Sarraff Coated Hip Dislocation Hook  
Page 51



Blair Acetabular Cup Positioner  
Page 45



Surgical Spoon  
Page 41



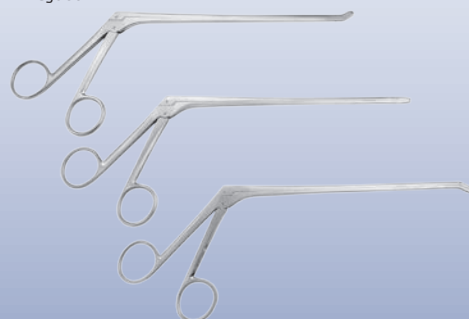
CupX Blade Contour Checking Templates  
Page 6



Kim Anterior Total Hip Awl  
Page 26



Tissue Graspers with Shark Teeth  
Page 30



Mengato Depth Gauge  
Page 25



Doroodchi Coated Femoral Neck Mating Guide  
Page 37



Unger Canal Finder Rasp with Smooth Proximal Section  
Page 26

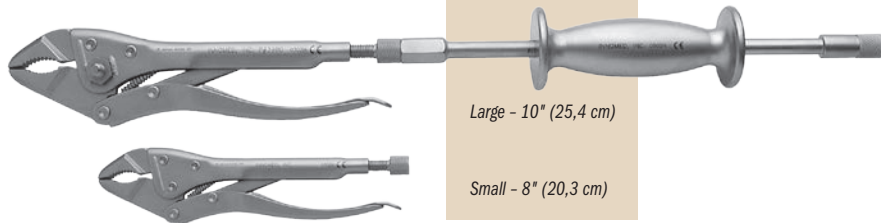


O'Reilly Femoral Head Extractor—Small  
Page 36





### Standard



Large - 10" (25,4 cm)

Small - 8" (20,3 cm)

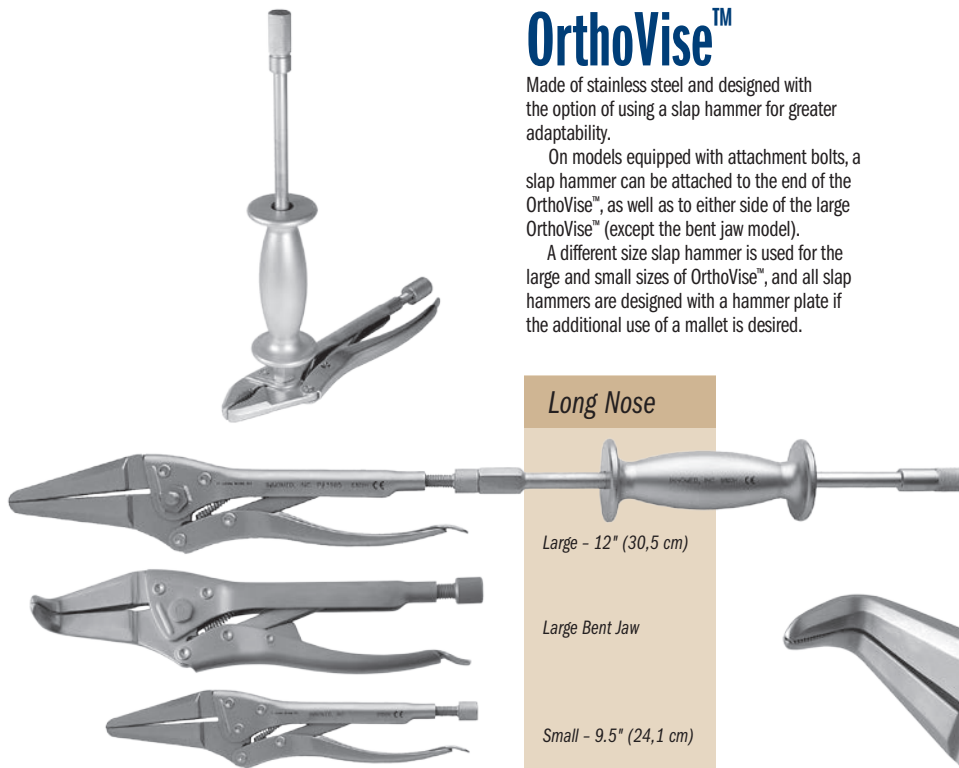
## OrthoVise™

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

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

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

### Long Nose



Large - 12" (30,5 cm)

Large Bent Jaw

Small - 9.5" (24,1 cm)

#### PRODUCT NO'S:

##### Standard

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

##### Long Nose

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

##### Threaded Adapters

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

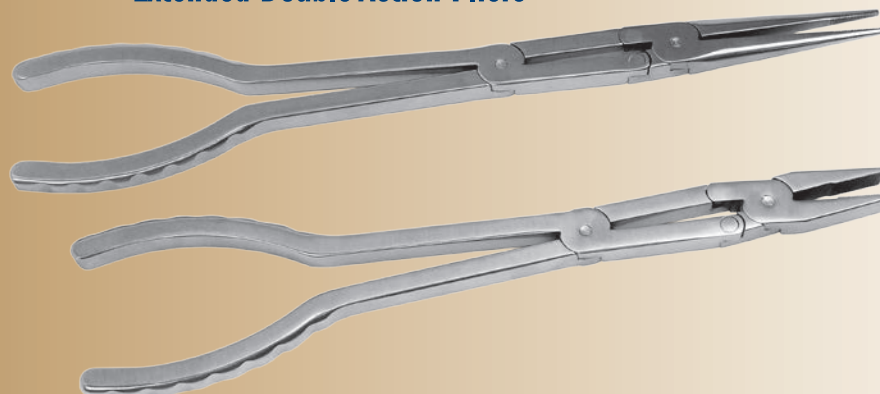
##### Slap Hammers

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

U.S. Patent #D398,208

MADE EXCLUSIVELY  
FOR INNOVEM IN  
GERMANY

## Extended Double Action Pliers



#### PRODUCT NO'S:

3962	[Needle Nose] Overall Length: 13" (32,8 cm) Jaw Length: 2.625" (6,7 cm) Jaw Width: 2.5 mm
3961	[Blunt Nose] Overall Length: 11.75" (29,8 cm) Jaw Length: 1.25" (3,2 cm) Jaw Width: 10 mm





acetabular cup extraction system

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

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

**ultra hard titanium nitride coating  
for extended blade life**

**Fixed Blades in Two Lengths**

Can typically be used for multiple procedures, then can be returned to Innomed for a nominal replacement charge.

**Impactation Platform**

Strike with a mallet to help drive in the blade.

**Handle Styles**

Two handle styles to choose from—Wrench Drive or Fixed.

**Handle Placement**

Near the end of the shaft allows for better leverage and easier rotation.

**Stainless Steel Heads**

In standard diameters of 22, 26, 28, 32 and 36 mm (38 mm optional).

**Non-modular blade system**

Helps to decrease costs while increasing surgical efficiency as blades don't need to be changed interoperatively.

**Shaft Alignment**

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

**Benefits of Our Titanium Nitride Coated Blades**

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

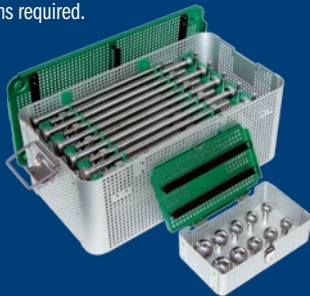
**Extended blade life leads to long term savings**

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



## Fully Customizable Sets

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



## Optional Large Delrin Heads\*

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

\*US Patent #7,998,146 B2



## Optional Wrench Drive Handles

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

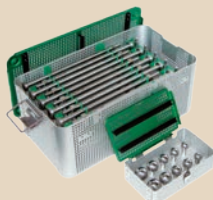
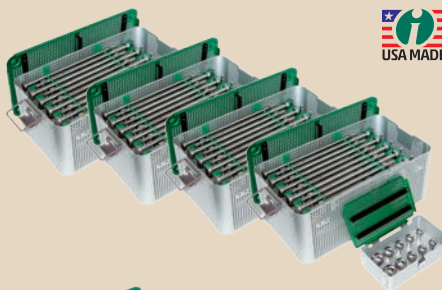


## Instrument Exchange

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

### COMPLETE INSTRUMENT SET

5200-00	Complete Set — Fixed Handle
5208-00	Complete Set — Wrench Handle
20 Starter & 20 Finish Instruments	
3 each of 5 Head sizes (22 mm–36 mm)	
5 cases — 4 for Instruments, 1 for Heads	



### CUSTOM AND RANGED INSTRUMENT SETS

5200-01	Choice of sizes — Fixed Handle
5208-01	Choice of Sizes — Wrench Handle
5 Starter and 5 Finish Instruments	
2 each of 5 Head sizes (22 mm–36 mm)	
2 cases — 1 for Instruments, 1 for Heads	
5200-02	42 mm–50 mm — Fixed Handle
5208-02	42 mm–50 mm — Wrench Handle
5 Starter and 5 Finish Instruments	
2 each of 5 Head sizes (22 mm–36 mm)	
2 cases — 1 for Instruments, 1 for Heads	
5200-03	52 mm–60 mm — Fixed Handle
5208-03	52 mm–60 mm — Wrench Handle
5 Starter and 5 Finish Instruments	
2 each of 5 Head sizes (22 mm–36 mm)	
2 cases — 1 for Instruments, 1 for Heads	
5200-04	62 mm–70 mm — Fixed Handle
5208-04	62 mm–70 mm — Wrench Handle
5 Starter and 5 Finish Instruments	
2 each of 5 Head sizes (22 mm–36 mm)	
2 cases — 1 for Instruments, 1 for Heads	
5200-05	72 mm–80 mm — Fixed Handle
5208-05	72 mm–80 mm — Wrench Handle
5 Starter and 5 Finish Instruments	
2 each of 5 Head sizes (22 mm–36 mm)	
2 cases — 1 for Instruments, 1 for Heads	

## System Rental Available

Available on a single procedure basis

### Rental Details

Rental is available in several configurations:

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

Each case includes 5 Starter and 5 Finish Instruments

### Rental Charges

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

### INDIVIDUAL FIXED HANDLE SHAFTS WITH FIXED BLADES

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

### INDIVIDUAL WRENCH HANDLE SHAFTS WITH FIXED BLADES

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

### INDIVIDUAL INTERCHANGEABLE DELRIN HEADS

US Patent #7,998,146 B2

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

### INDIVIDUAL INTERCHANGEABLE STEEL HEADS

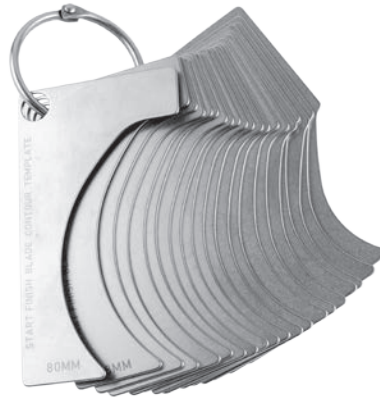
5202-22	22 mm
5202-26	26 mm
5202-28	28 mm
5202-32	32 mm
5202-36	36 mm
Optional Size:	
5202-38	38 mm

Any component may be purchased individually

### INSTRUMENT AND HEAD CASES ONLY

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

*New!*



## CupX Blade Contour Checking Templates

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

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



## Gorski Hip Cup Extraction Hook

Designed by Jerrold Gorski, MD

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

PRODUCT NO'S:	
<b>Hook for 6.5 mm Screw Holes</b>	
3660	[Hook w/Standard Slap Hammer]
3660-01	[Hook w/o Slap Hammer]
<b>Hook for 5.0 mm Screw Holes</b>	
3665	[Hook w/Standard Slap Hammer]
3665-01	[Hook w/o Slap Hammer]
<b>Optional:</b>	
3935	[XL Slap Hammer] 3/8"-16 Thread Gauge



*Helps in the removal of a hip cup*

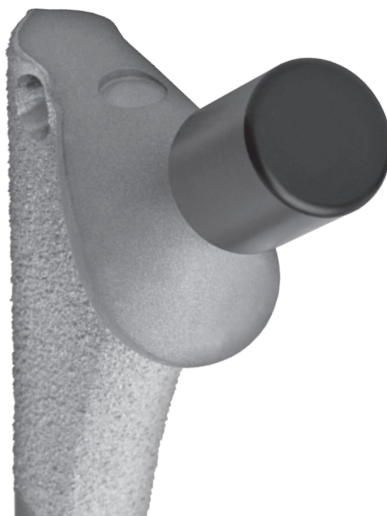


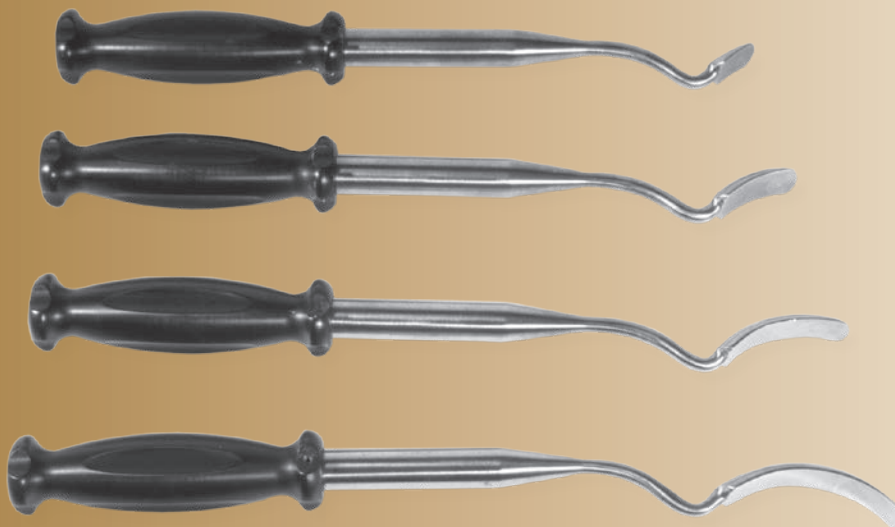
## Kudrna Hip Stem Taper Protectors

Designed by James Kudrna, MD

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

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





**PRODUCT NO'S:**

5280-01 [Short] Blade Dimensions: 20 mm x 20 mm Overall Length: 10.875" (27,6 cm) Handle Length: 5" (12,7 cm)	5280-03 [Long] Blade Dimensions: 20 mm x 50 mm Overall Length: 12.25" (31,1 cm) Handle Length: 5" (12,7 cm)
5280-02 [Medium] Blade Dimensions: 20 mm x 35 mm Overall Length: 11.675" (29,6 cm) Handle Length: 5" (12,7 cm)	5280-04 [X-Long] Blade Dimensions: 20 mm x 65 mm Overall Length: 12.75" (32,4 cm) Handle Length: 5" (12,7 cm)

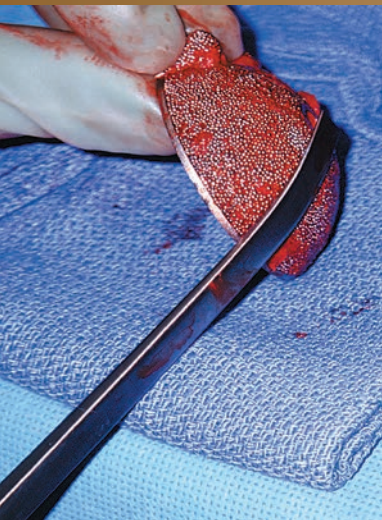
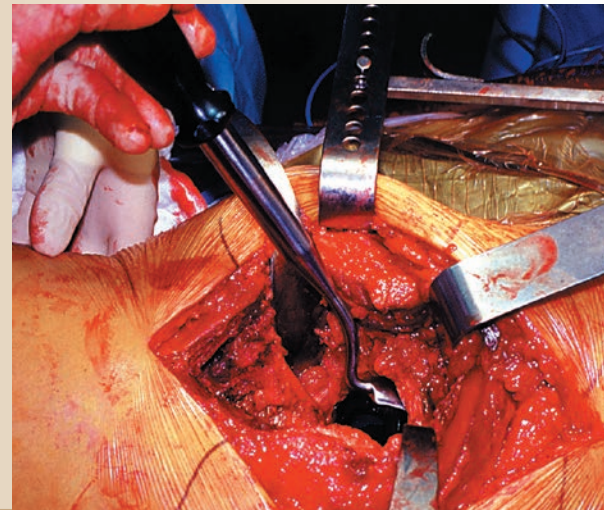


## Modified Smith-Petersen Style Osteotomes for Acetabular Cup Removal

Designed by Merrill Ritter, MD

*Multi-arch osteotomes help in removal of total hip cups*

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



## Modified Lambotte Cup Removal Osteotomes

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

**PRODUCT NO'S:**

5240-44 Blade Width: 44 mm Overall Length: 12.75" (32,4 cm) Handle Length: 4.75"	5240-52 Blade Width: 52 mm Overall Length: 12.75" (32,4 cm) Handle Length: 4.75"
5240-48 Blade Width: 48 mm Overall Length: 12.75" (32,4 cm) Handle Length: 4.75"	5240-56 Blade Width: 56 mm Overall Length: 12.75" (32,4 cm) Handle Length: 4.75"



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

## Kudrna Cup Channel Chisel

Designed by James C. Kudrna, MD

*Designed to help break the bone-prosthetic interface of well-fixed non-cemented acetabular components being revised*



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

**PRODUCT NO:**

3686 Overall Length: 12" (30,5 cm) Handle Length: 3.5" (8,9 cm) Blade Width: 30 mm Blade Depth: 15 mm
---



## Whelan Curved Chisel Guide

Designed by E. J. Whelan, III, MD



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

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

### Complete Set



Two blades included in Set



### PRODUCT NO'S:

5302-00 [Complete Set]

### Included In Set / Replacement Parts:

5302-01 [Guide Only]

Overall Length: 5" to 8.75" (12,7 cm to 22,2 cm)

5302-02 [10 mm Curved Chisel Blade Only]

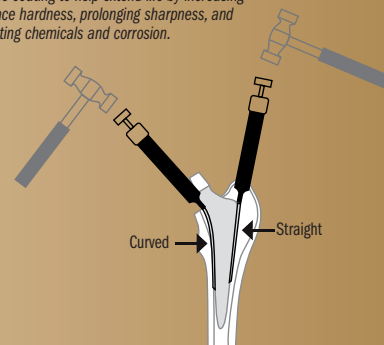
Overall Length: 4.25" (10,8 cm)

Blade Thickness: .020" (.51 mm)

3040 [Slap Hammer]

1015 [Sterilization Case]

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



## Cannestra Cup Liner Removal Osteotomes

*Designed to help remove a well-fixed acetabular cup liner*

### PRODUCT NO'S:

4085-00 [Set of Three with Case]

### Also Available Individually

4085-01 [Cross Blades]

Overall Length: 8.5" (21,6 cm)

Blade Diameter: 1.65" (42 mm)

4085-02 [Curved Lever]

Overall Length: 8.5" (21,6 cm)

4085-03 [Single Blade]

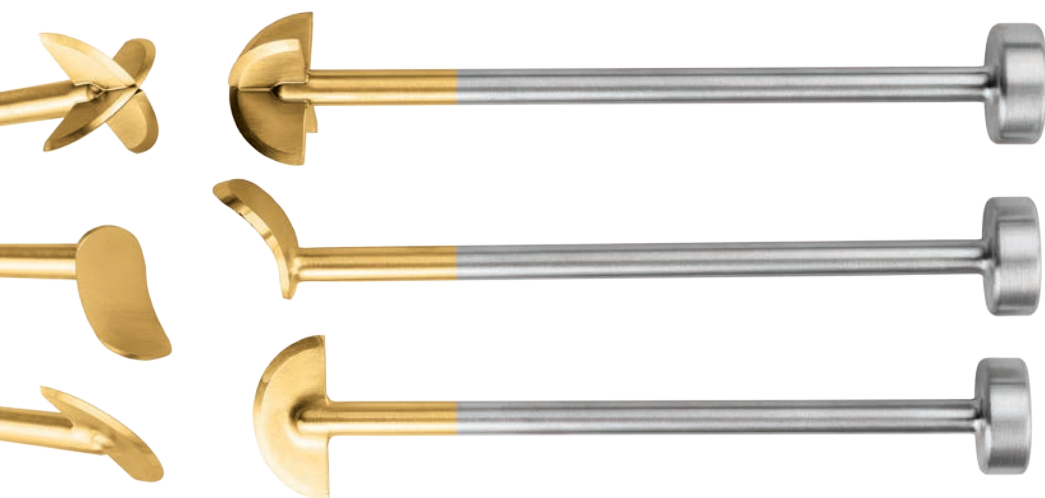
Overall Length: 8.375" (21,3 cm)

Blade Diameter: 1.65" (42 mm)

1015 [Sterilization Case]



Designed by Vince Cannestra, MD



## Poly Cup Liner Removal Drill

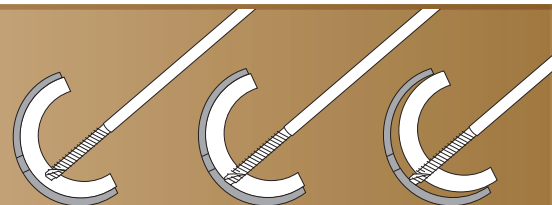
Designed by Keith R. Berend, MD

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

### PRODUCT NO:

4052

Overall Length: 6" (15,2 cm)



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



## Whelan Flexible Chisel Guide

Designed by E. J. Whelan, III, MD



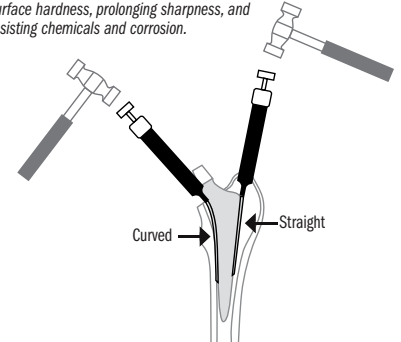
*Designed to help stabilize a thin chisel blade until it's within the bone prosthesis interface*

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

### PRODUCT NO'S:

5301-00	[Complete Set]
<b>Included In Set / Replacement Parts:</b>	
5301-01	[Guide Only] Overall Length: 5.5" to 8.5" (14 cm to 21,6 cm) w/o blade
5301-02	[10 mm Chisel Blade Only] Overall Length: 4.625" (11,7 cm) Blade Thickness: .020" (0,51 mm)
3040	[Slap Hammer]
1015	[Sterilization Case]

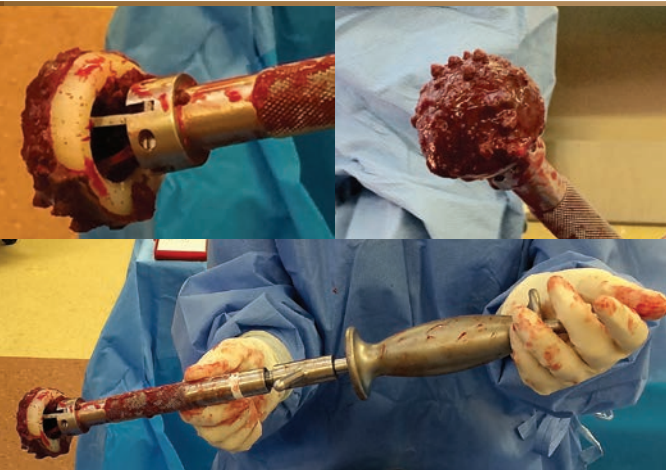
Chisel blade features an ultra hard titanium nitride coating to help extend life by increasing surface hardness, prolonging sharpness, and resisting chemicals and corrosion.



### Complete Set



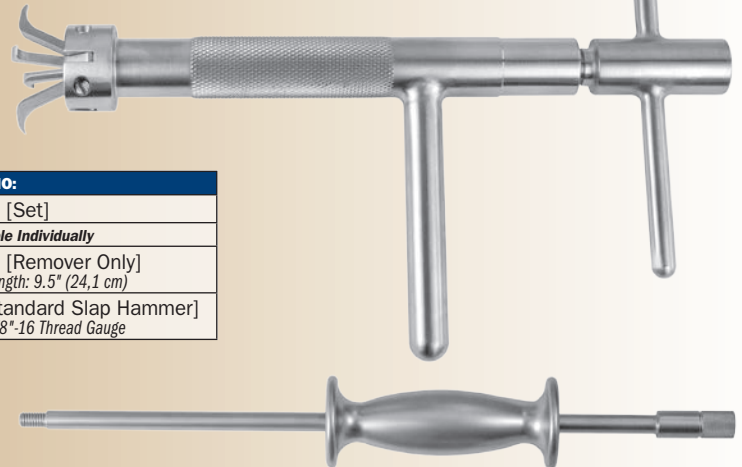
Two blades included in Set



## Lombardi Hip Cup Liner/Shell Extractor

Designed by Adolph V. Lombardi, MD

*Used for removal of a total hip cup or liner*

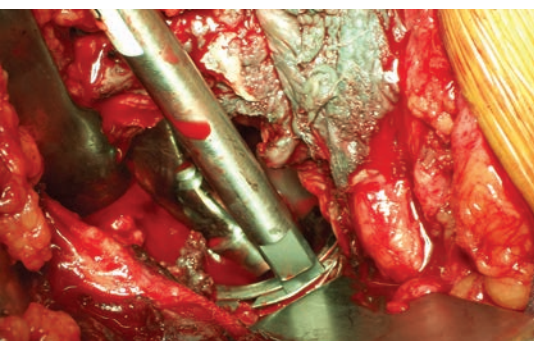


### PRODUCT NO:

3638-00	[Set]
<b>Also Available Individually</b>	
3638-01	[Remover Only] Overall Length: 9.5" (24,1 cm)
3925	[Standard Slap Hammer] 3/8"-16 Thread Gauge



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



## Star Metal Cup Liner Removal Impactor

Designed by Andrew M. Star, MD

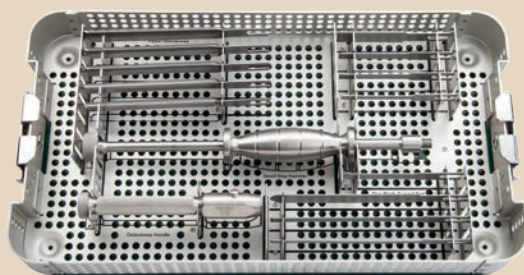
*Designed to help disengage the rim of a metal cup for removal*

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

### PRODUCT NO:

5014
Overall Length: 8" (20,3 cm)





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

#### PRODUCT NO'S:

S0011-00 [Complete Set with Case]

#### Individual Instruments:

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



## Optional Blades

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

Medial Curve Radial Blade

Lateral Curve Radial Blade

#### PRODUCT NO'S:

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

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



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

# Flexible Osteotome System

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

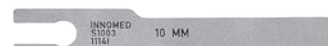
Slap Hammer



Handle with Quick-Coupling End



8 MM



10 MM



12 MM



20 MM



12 MM

Curved Thin Blades



20 MM



8 MM

5" Thin Blades



10 MM



10 MM



10MM



12 MM

Radial Blades



14MM



16MM



20MM

Extra Long 9" Blades



8 MM



11137

Medial Curve Radial Blades

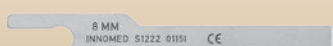


11135

Lateral Curve Radial Blades



11136



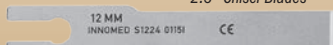
8 MM

INNOMED S1222 01151 CE



10 MM

INNOMED S1223 01151 CE



12 MM

INNOMED S1224 01151 CE



20 MM

INNOMED S1225 01151 CE



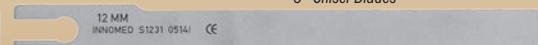
8 MM

INNOMED S1228 01151 CE



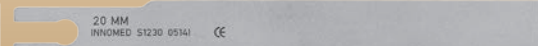
10 MM

INNOMED S1228 01151 CE



12 MM

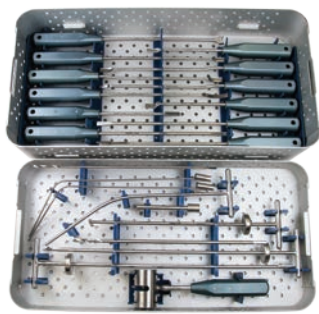
INNOMED S1231 01151 CE



20 MM

INNOMED S1230 01151 CE

5" Chisel Blades



Narrow Cement Removal Gouge, Short

1

Narrow Cement Removal Gouge, Long

2

Narrow Offset Cement Removal Gouge

3

Acetabular Chisel

4

Offset Chisel

5

Flared Angle Chisel

6

Wide Gouge

7

"V" Splitter

8

Saddle Punch

9

Cement Splitting Osteotome

10

Cement Removal Osteotome, Short

11

Cement Removal Osteotome, Long

12

4.4 mm Drill & Grill Guide

13

6.4 mm Drill & Grill Guide

14

Straight Cement Removal Hook

15

Curved Cement Removal Hook

16

Cross Bar

17

7 mm T-Handle Conical Tap

18

9 mm T-Handle Conical Tap

19

Slotted Mallet

20

# Mueller-Type Cement Removal Instruments

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

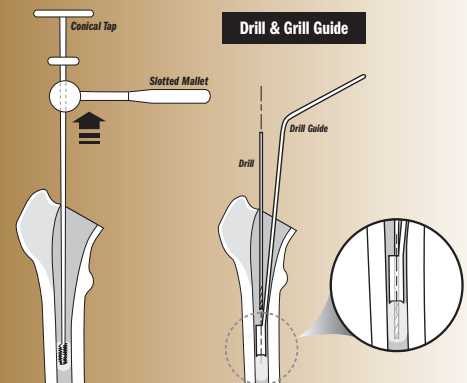
## PRODUCT NO'S:

S7500-00 [Complete Set with Case]

## Individual Instruments:

S7505	[Narrow Cement Removal Gouge, Short] Shaft Length: 10 cm Gouge: 9 mm, negative	1
S7507	[Narrow Cement Removal Gouge, Long] Shaft Length: 24 cm Gouge: 9 mm, negative	2
S7510	[Narrow Offset Cement Removal Gouge] Shaft Length: 24 cm Gouge: 9 mm, negative	3
S7515	[Acetabular Chisel] Shaft Length: 24 cm Chisel: 7.5 mm	4
S7520	[Offset Chisel] Shaft Length: 15 cm Chisel: 9 mm	5
S7525	[Flared Angle Gouge] Shaft Length: 24 cm Gouge: 9 mm, positive, angle 15° down	6
S7530	[Wide Gouge] Shaft Length: 24 cm Gouge: 11.5 mm, negative	7
S7535	["V" Splitter] V-Shaped Chisel: 7 mm	8
S7587	[Saddle Punch] Shaft Length: 24 cm Punch: 16.5 mm x 6.5 mm	9
S7590	[Cement Splitting Osteotome] Shaft Length: 24 cm	10
S7595	[Cement Removal Osteotome, Short] Shaft Length: 15 cm Osteotome: 8 mm	11
S7597	[Cement Removal Osteotome, Long] Shaft Length: 24 cm Osteotome: 8 mm	12
S7540	[4.4 mm Drill]	13
S7545	[4.4 mm Drill Guide]	14
S7550	[6.4 mm Drill]	15
S7555	[6.4 mm Drill Guide]	16
S7560	[Straight Cement Removal Hook] Hook Curette: 10 mm	17
S7565	[Curved Cement Removal Hook] Hook Curette: 10 mm	18
S7570	[Cross Bar]	19
S7575	[7 mm T-Handle Conical Tap]	20
S7580	[9 mm T-Handle Conical Tap]	21
S7585	[Slotted Mallet]	22
9075	[Case Only]	

## Conical Tap & Mallet

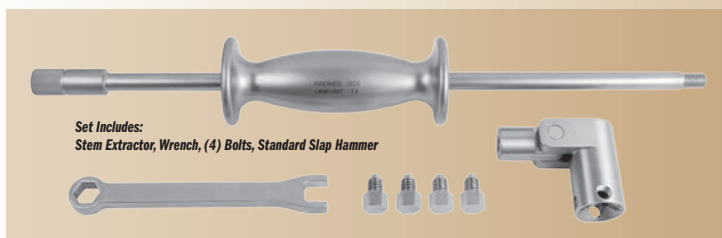
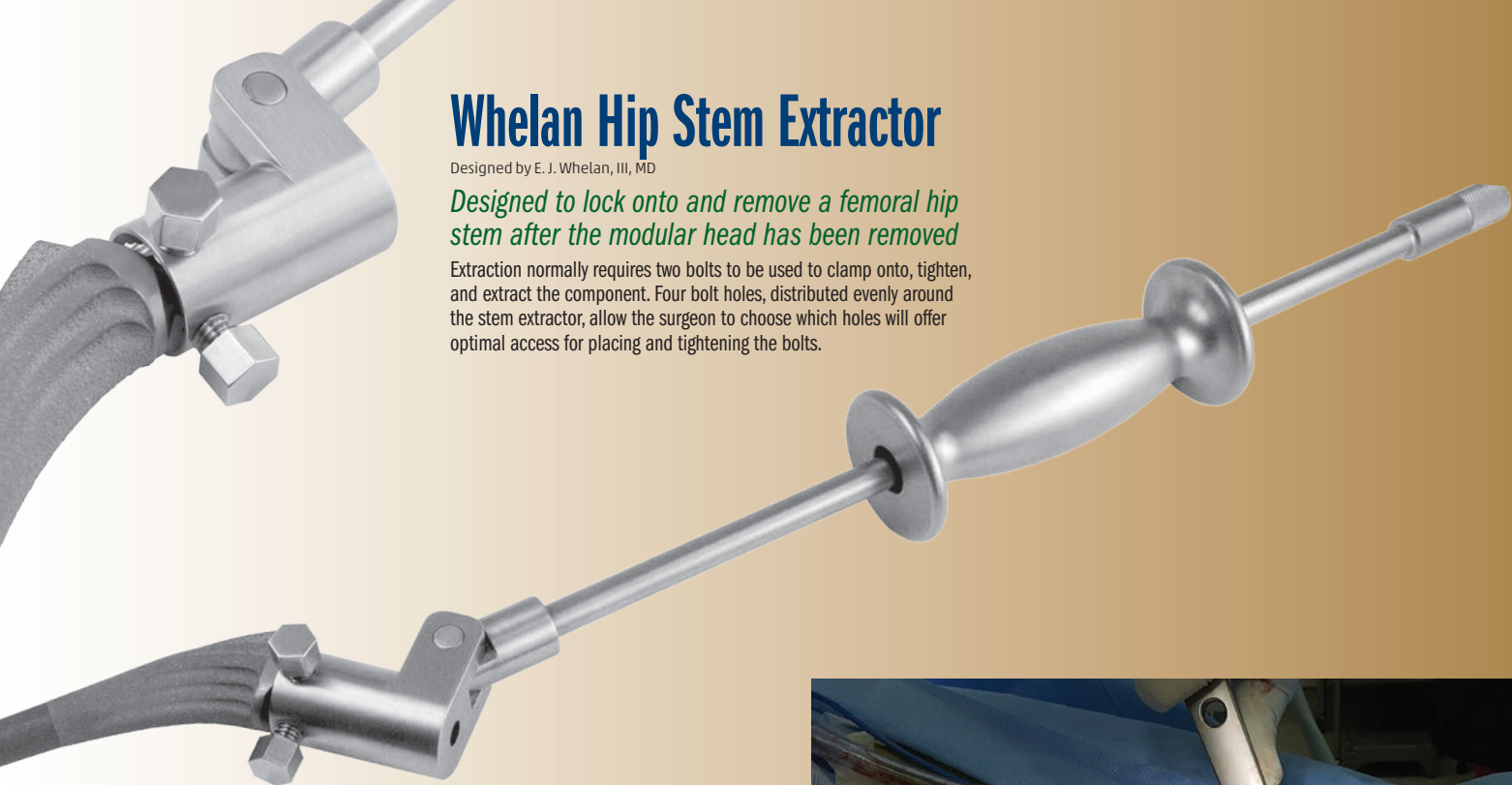


# Whelan Hip Stem Extractor

Designed by E. J. Whelan, III, MD

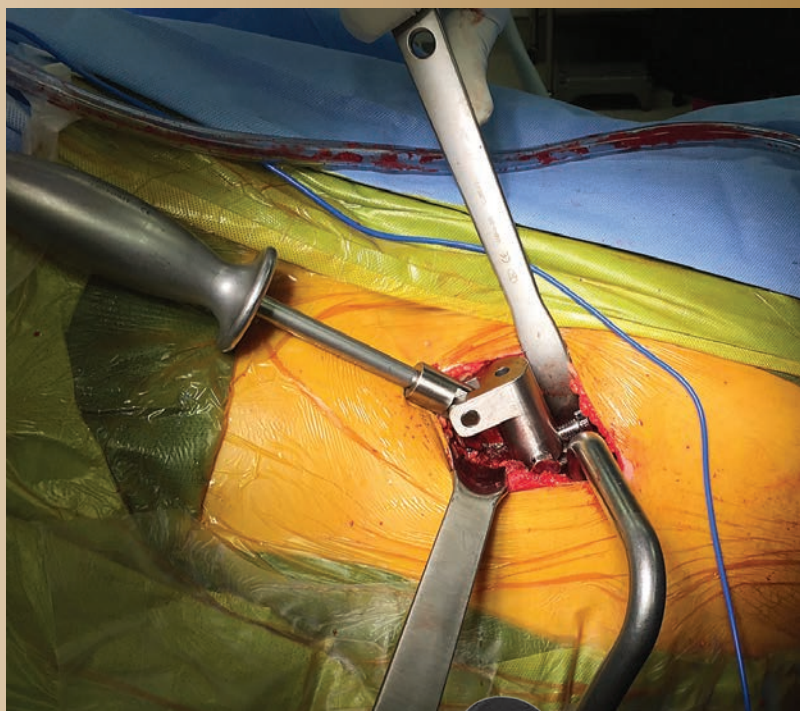
*Designed to lock onto and remove a femoral hip stem after the modular head has been removed*

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



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

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



## Whelan Extractor Strike Plate Attachment

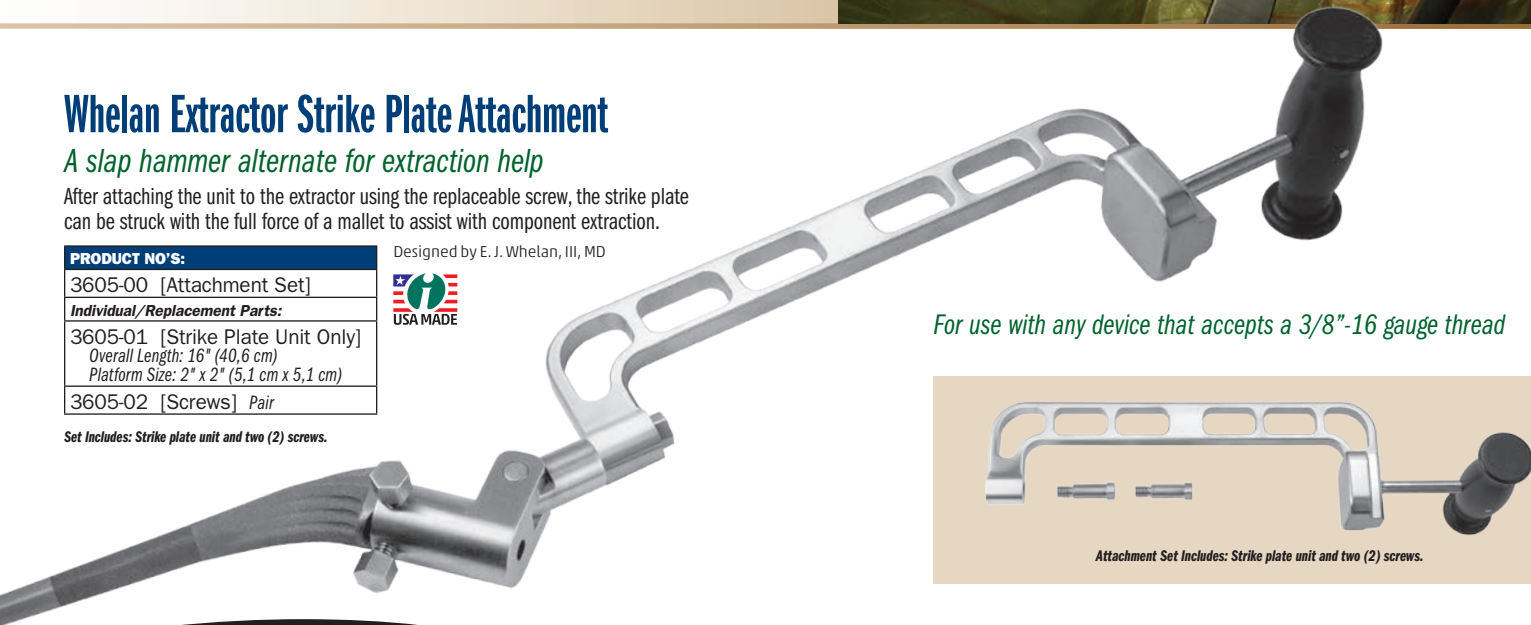
*A slap hammer alternate for extraction help*

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

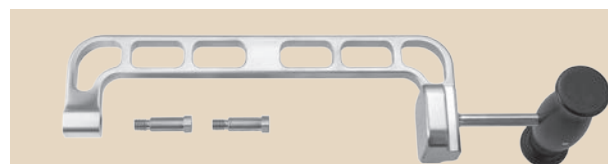
PRODUCT NO'S:	
3605-00	[Attachment Set]
Individual/Replacement Parts:	
3605-01	[Strike Plate Unit Only]
Overall Length: 16" (40,6 cm)	
Platform Size: 2" x 2" (5,1 cm x 5,1 cm)	
3605-02	[Screws] Pair

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

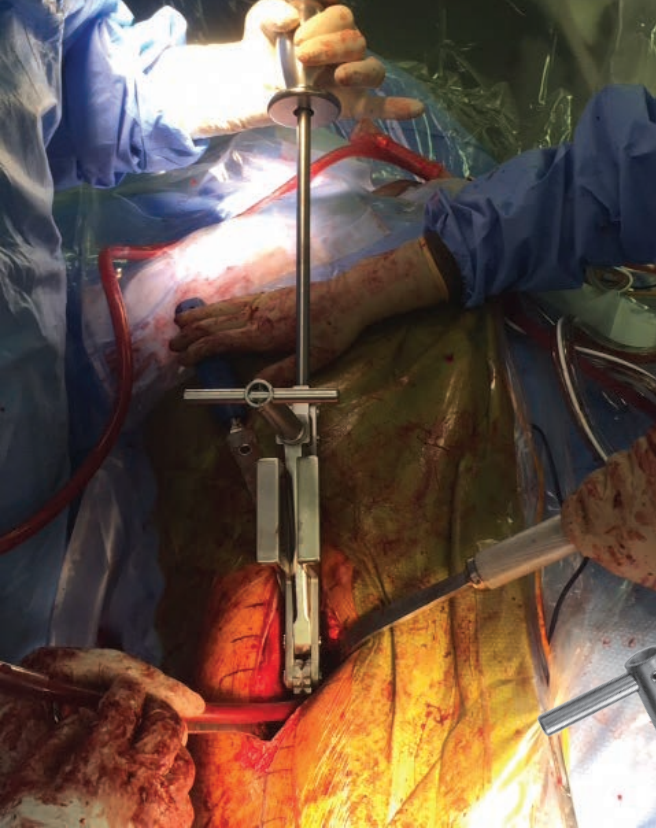
Designed by E. J. Whelan, III, MD



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



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



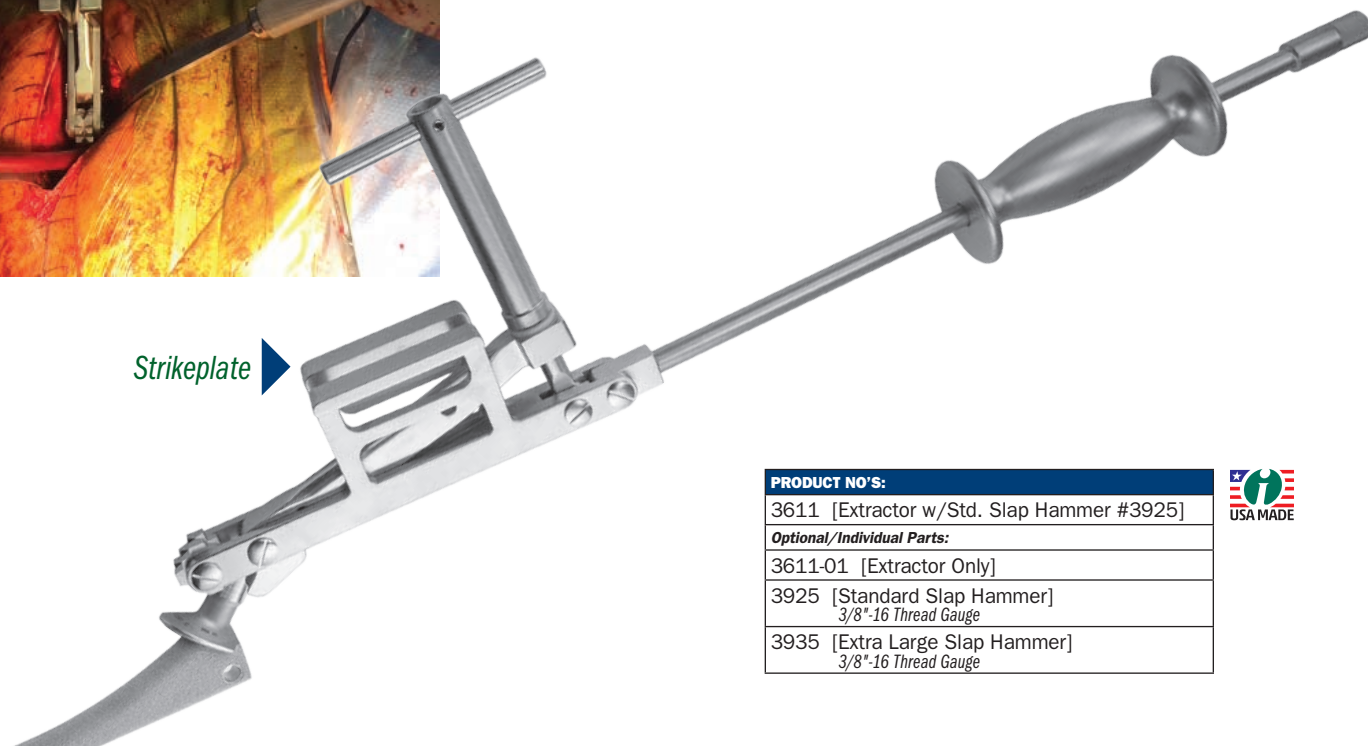
# Heck Anterior Modular Hip Component Extractor with Strikeplate

Designed by David Heck, MD

*Strikeplate provides additional help to remove a femoral hip stem*

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

Strikeplate



## PRODUCT NO'S:

3611 [Extractor w/Std. Slap Hammer #3925]

## Optional/Individual Parts:

3611-01 [Extractor Only]

3925 [Standard Slap Hammer]  
3/8"-16 Thread Gauge

3935 [Extra Large Slap Hammer]  
3/8"-16 Thread Gauge



## Femoral Extraction Instruments

*Designed to help remove various types of femoral implants*

## PRODUCT NO'S:

S1202 [Loop Extractor with Standard Slap Hammer]

S1202-01 [Loop Extractor Only]  
Overall Length: 6.5" (16,5 cm)

S1203 [J-Hook Stem Extractor with Standard Slap Hammer]

S1203-01 [J-Hook Stem Extractor Only]  
Overall Length: 4.75" (12,1 cm)

S1204 [One-Piece Stem Extractor with Standard Slap Hammer]

S1204-01 [One-Piece Stem Extractor Only]  
Overall Length: 4.125" (10,5 cm)

3925 [Standard Slap Hammer] 3/8"-16 Thread Gauge

3935 [Extra Large Slap Hammer] 3/8"-16 Thread Gauge



Loop Extractor



J-Hook Extractor



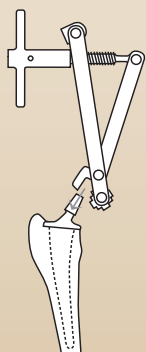
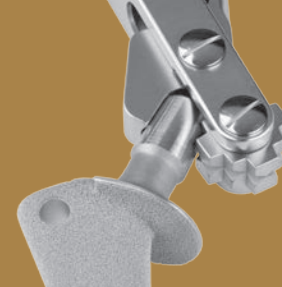
One-Piece Extractor



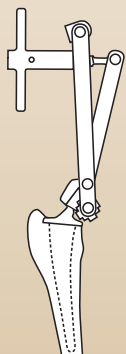
# Universal Modular Femoral Hip Component Extractor

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

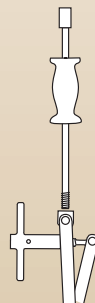
Designed to clamp onto the taper of a femoral hip stem after the modular head has been removed. The extractor is equipped with a swivel block for attachment of a slap hammer. The swivel block helps keep the slap hammer in line with the angle of the femoral stem. Includes standard slap hammer, #3925.



The extractor is opened to accommodate any size taper on a modular head total hip stem.



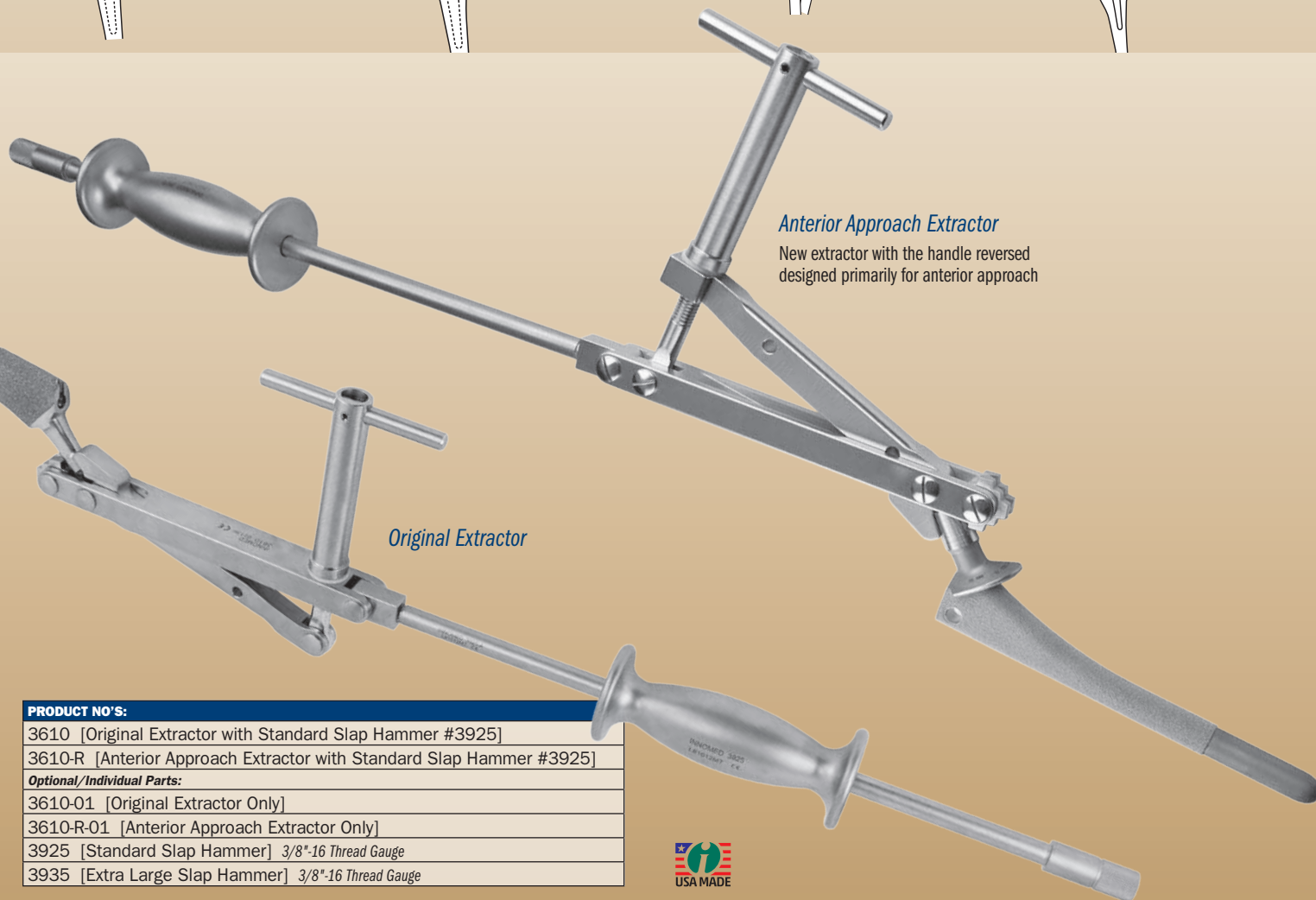
The taper is clamped between the rotating block and the taper anvil. Tightening the "T" handle holds a stem taper in place.



The slap hammer is screwed into the swivel block. The slap hammer can be aligned with the stem utilizing the swivel block.



Extraction is carried out by the slap hammer or by utilizing a mallet on the hammer flares of the slap hammer.



*Anterior Approach Extractor*

New extractor with the handle reversed designed primarily for anterior approach

*Original Extractor*

## PRODUCT NO'S:

3610 [Original Extractor with Standard Slap Hammer #3925]

3610-R [Anterior Approach Extractor with Standard Slap Hammer #3925]

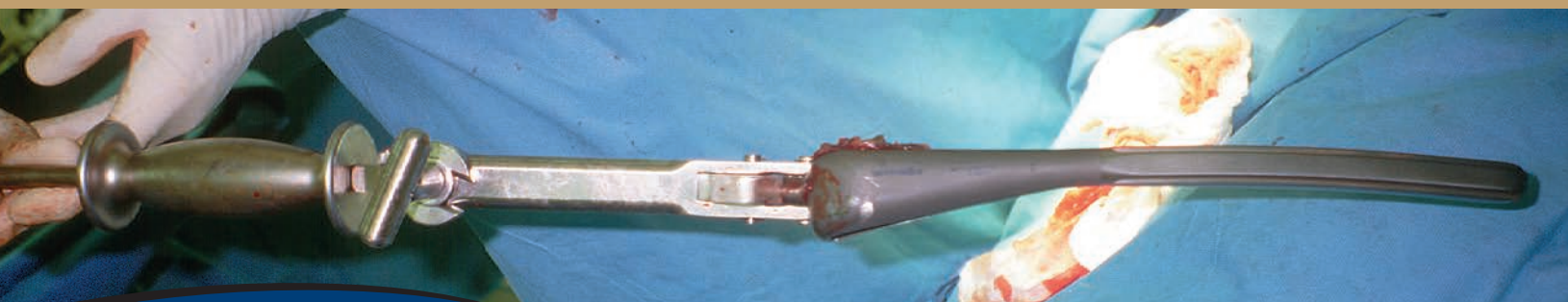
## Optional/Individual Parts:

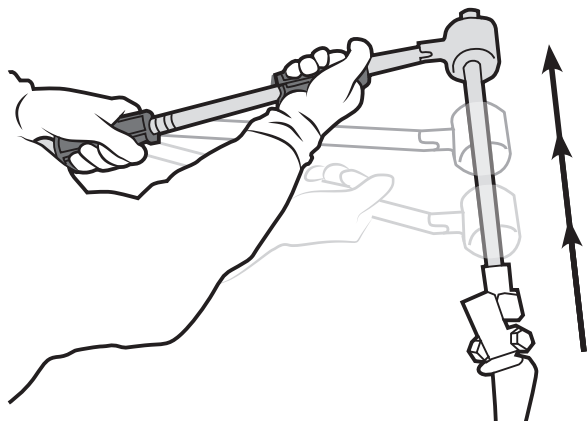
3610-01 [Original Extractor Only]

3610-R-01 [Anterior Approach Extractor Only]

3925 [Standard Slap Hammer] 3/8"-16 Thread Gauge

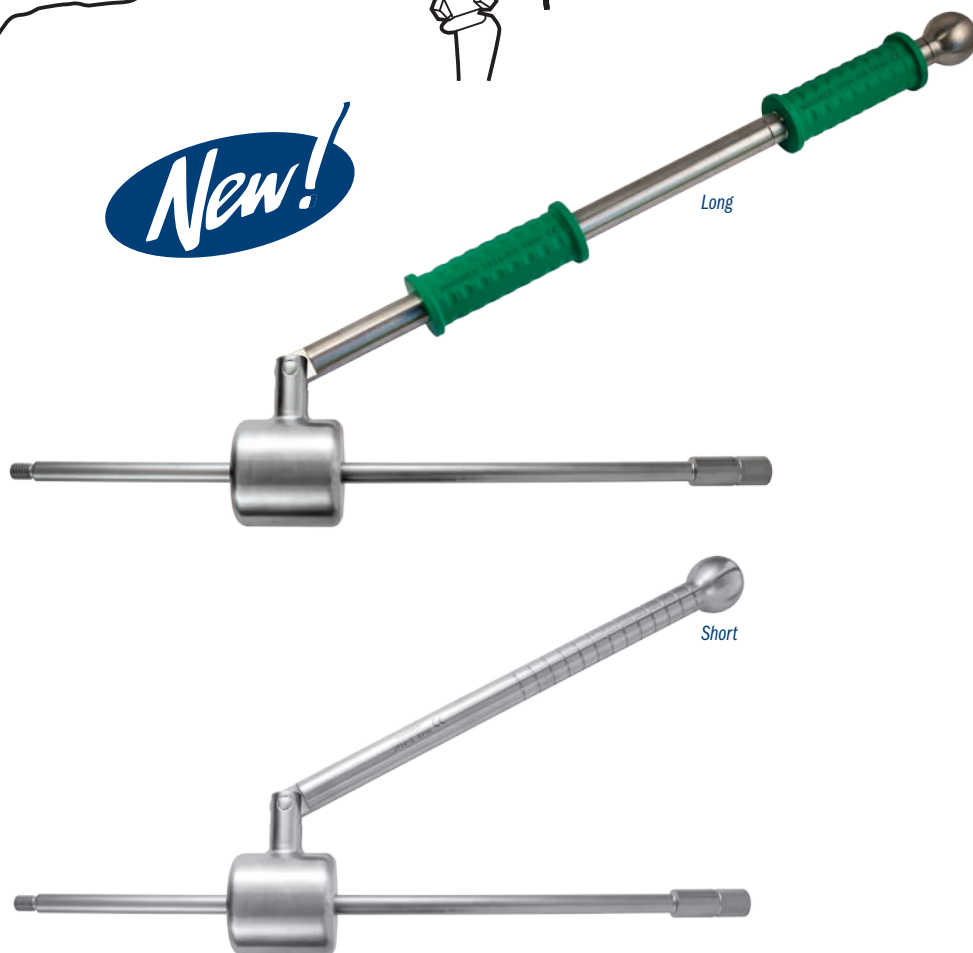
3935 [Extra Large Slap Hammer] 3/8"-16 Thread Gauge





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

**New!**



## Atlatl Super Slap Hammer

*Designed for when extra powerful slap hammer force is needed*

Two silicone handle grips—included with the long version of the Atlatl—are repositionable, and removable for sterilization.

PRODUCT NO'S:
3924-L [Long] Overall Length: 22" (55,8 cm) Includes (2) 3924-RH Silicone Grip Handles
3924-S [Short] Overall Length: 16" (40,7 cm)
3924-RH [Silicone Grip Handle] Overall Length: 4" (10,2 cm)
3925-A [16" Slap Hammer Rod only]



Slap hammer rod not included.

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

### Hip - Femoral Component

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

### Hip - Acetabular Cup/Shell/Liner

3638	Lombardi Hip Cup Liner/Shell Extractor
3660	Gorski Hip Cup Extraction Hook - 6.5 mm
3665	Gorski Hip Cup Extraction Hook - 5.0 mm

### Knee

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

### Shoulder

3670	Nicholson Universal Humeral Prosthesis Extractor
------	--

### General

3966	Large Bent Jaw OrthoVise
------	--------------------------

## Easy Grip Slap Hammer

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

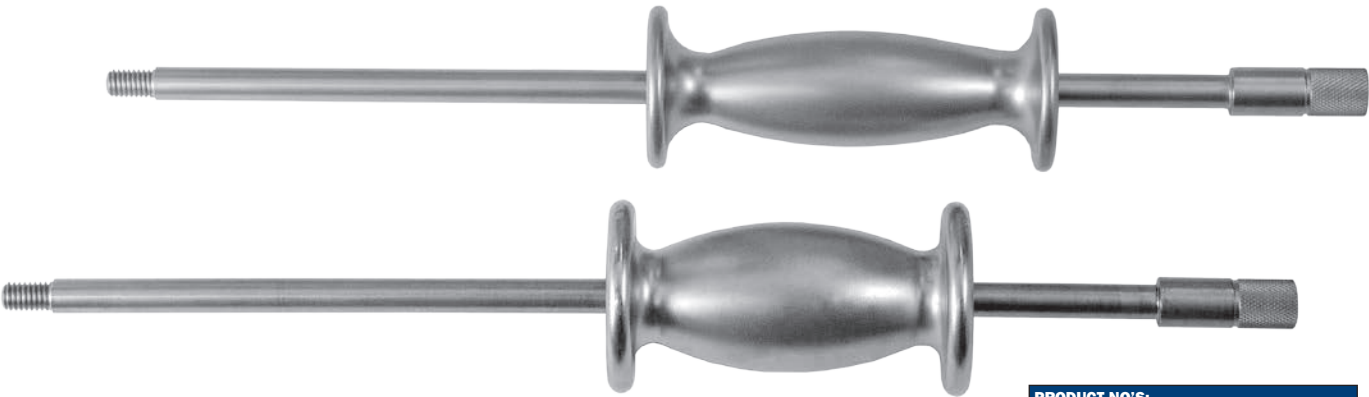
The textured silicone hammer helps to reduce the shock forces on the surgeon's hand during extraction procedures, and helps the surgeon to maintain a solid grip and prevent the hand from slipping.

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



# Standard and Extra Large Slap Hammers

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

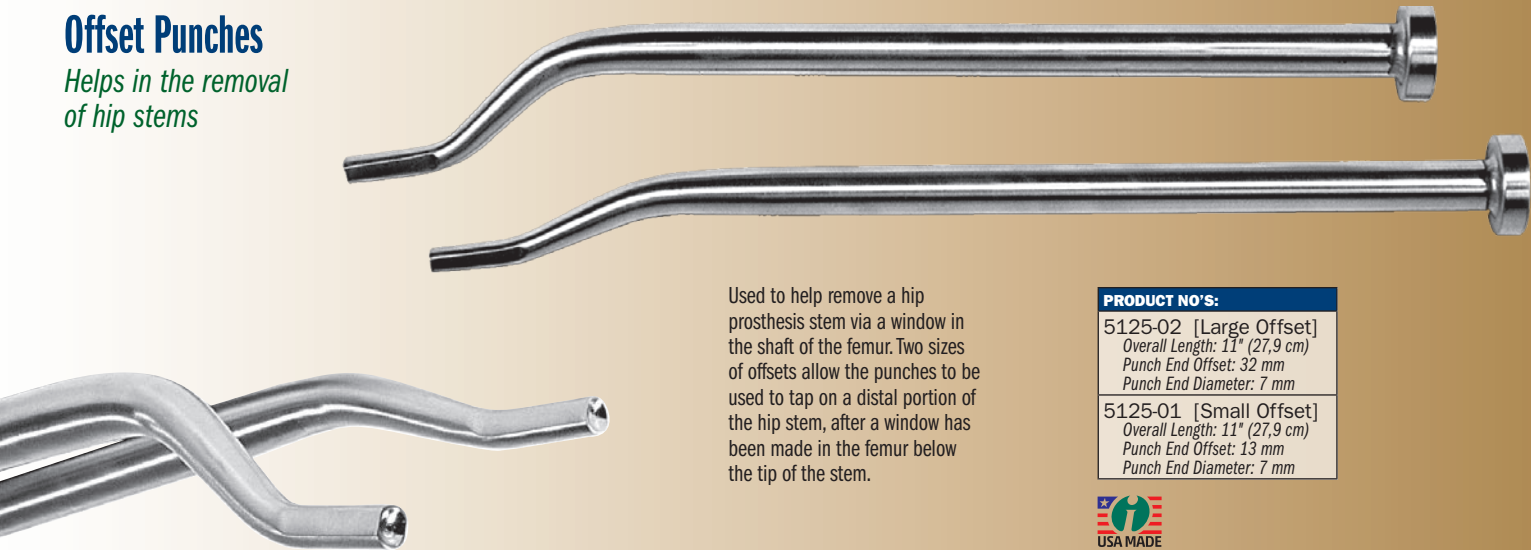


PRODUCT NO'S:	
3925	[Standard Slap Hammer] 3/8"-16 Thread Gauge
3935	[Extra Large Slap Hammer] 3/8"-16 Thread Gauge



# Offset Punches

Helps in the removal of hip stems



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

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

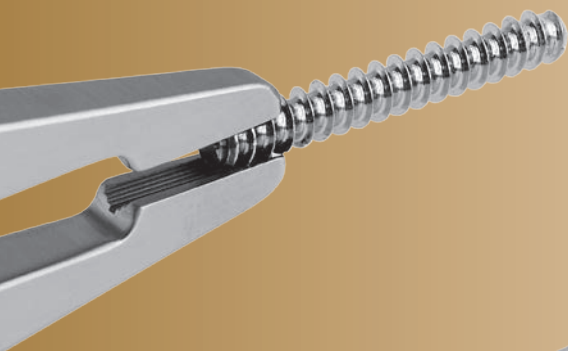


# Long Jaw Needle Nose Pliers

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

MADE EXCLUSIVELY FOR INNOMED IN GERMANY





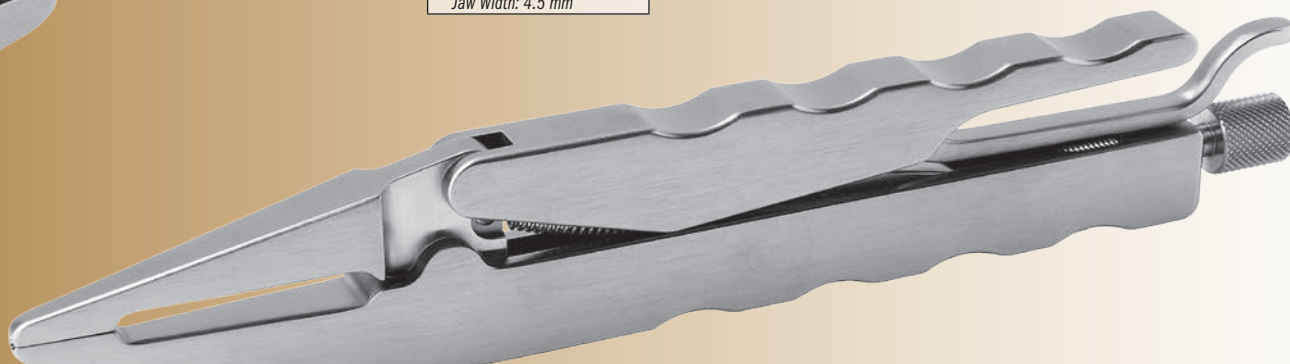
## Screw/Pin Removal Locking Pliers

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

### PRODUCT NO:

S0142

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



## Delrin Insert Pliers

*Designed to grasp an implant for adjustment without marring the implant surface*

### PRODUCT NO'S:

2025

Overall Length: 8" (20,3 cm)

2025-03 [Replacement Insert]

Includes top and bottom delrin jaws, two screws and a hex wrench



## 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)



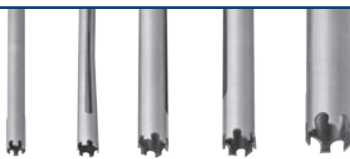
# Universal Screw Removal Instrument System

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



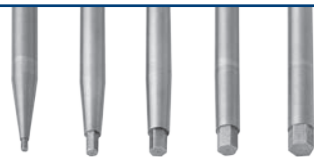
## Screw Extractors

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.



## Cannulated Hex Drivers

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



## Universal Extractor

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



## Screwdrivers

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

## Cannulated Drive Extension

Used when a longer instrument shaft is desired.



## Extractor Wrench



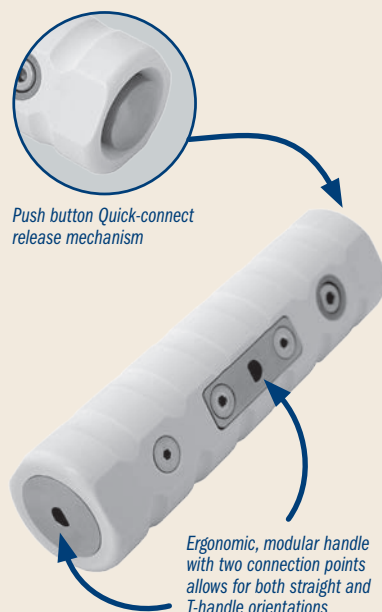
## Universal Instrument Handle

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



## Fracture Reduction Pick

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

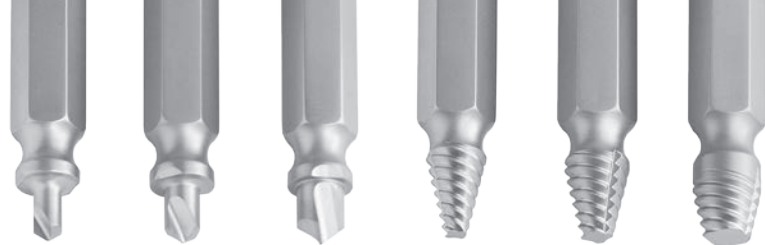


Push button Quick-connect release mechanism

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

PRODUCT NO'S:	
S0010-00	[Complete System with Case]
Individual/Replacement Parts	
S0113	[Universal 4" (10,2 cm) Handle]
S0128	[1.5 mm Screw Extractor]
S0116	[2.5 mm Screw Extractor]
S0130	[3.5 mm Screw Extractor]
S0117	[1.5 mm Hex Driver]
S0114	[2.5 mm Hex Driver]
S0115	[3.5 mm Hex Driver]
S0132	[4.0 mm Hex Driver]
S0133	[5.0 mm Hex Driver]
S0136	[2.5 mm Cannulated Hex Driver]
S0137	[3.5 mm Cannulated Hex Driver]
S0138	[4.0 mm Cannulated Hex Driver]
S0139	[5.0 mm Cannulated Hex Driver]
S0118	[Large Cruciform Screwdriver]
S0119	[Small Cruciform Screwdriver]
S0141	[Mini Cruciform Screwdriver]
S0120	[Single Slot Screwdriver]
S0121	[2.2 mm Trephine]
S0122	[3.2 mm Trephine]
S0123	[4.2 mm Trephine]
S0124	[4.7 mm Trephine]
S0125	[7.2 mm Trephine]
S0127	[Universal Extractor – Shaft Only]
S0127-01	[Large Extraction Bolt Body]
S0127-03	[Small Extraction Bolt Body]
S0127-04	[Extractor Wrench]
S0129	[Fracture Reduction Pick]
S0140	[Cannulated Drive Extension]
9017	[Screw Removal Case Only]
Case Dimensions: 20" x 9.25" (50,8 cm x 23,5 cm)	





## Screw Extractor Set

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

### PRODUCT NO:

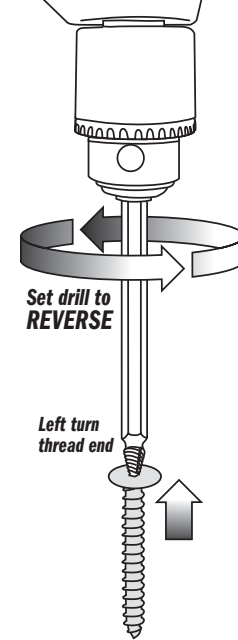
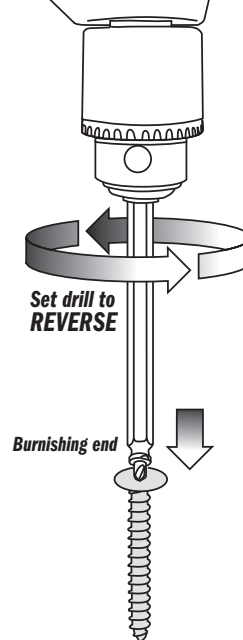
7250-00 [Set with Case]

7250-01 [2.5 mm Screw Extractor]  
Overall Length: 6" (15,2 cm)

7250-02 [3.5 mm Screw Extractor]  
Overall Length: 6" (15,2 cm)

7250-03 [6.5 mm Screw Extractor]  
Overall Length: 6" (15,2 cm)

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



## Cheng Screw Removal and Bone Trephine Set

Designed by Edward Cheng, MD

### PRODUCT NO'S:

1426-00 [Complete Set with Case]

#### Includes:

1426-01 [Small Trephine] 5 mm Internal Diameter  
Overall Length: 7.125" (18,1 cm)

1426-02 [Medium Trephine] 6.5 mm Internal Diam.  
Overall Length: 7.125" (18,1 cm)

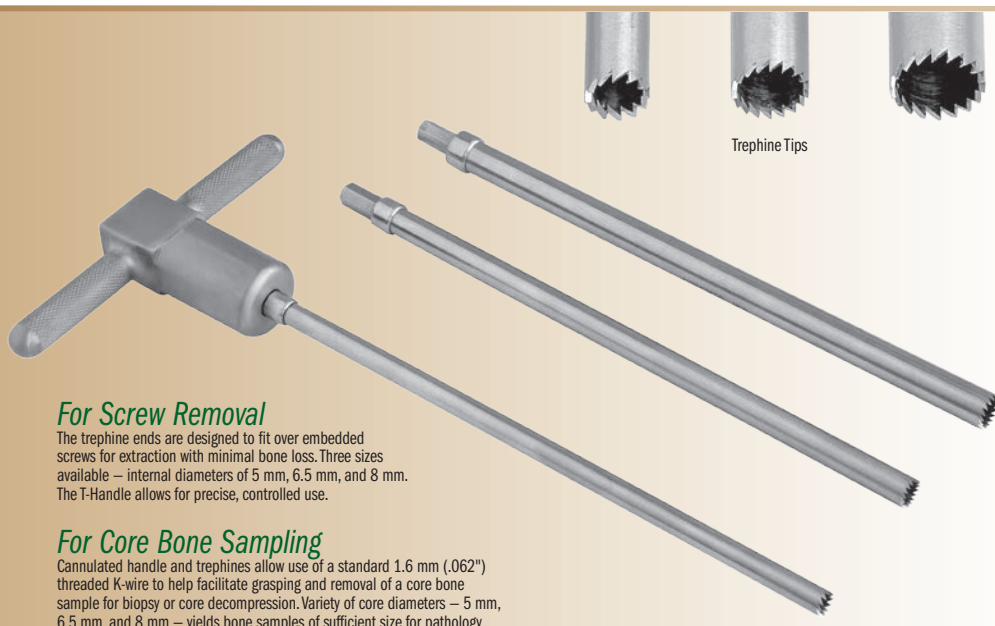
1426-03 [Large Trephine] 8 mm Internal Diameter  
Overall Length: 7.125" (18,1 cm)

1426-04 [Handle Assembly]  
Dimensions: 4" x 2" (10,2 cm x 5,1 cm)

1025 [Sterilization Case]

#### Replacement Part:

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



## Craig-Type Extractor Set

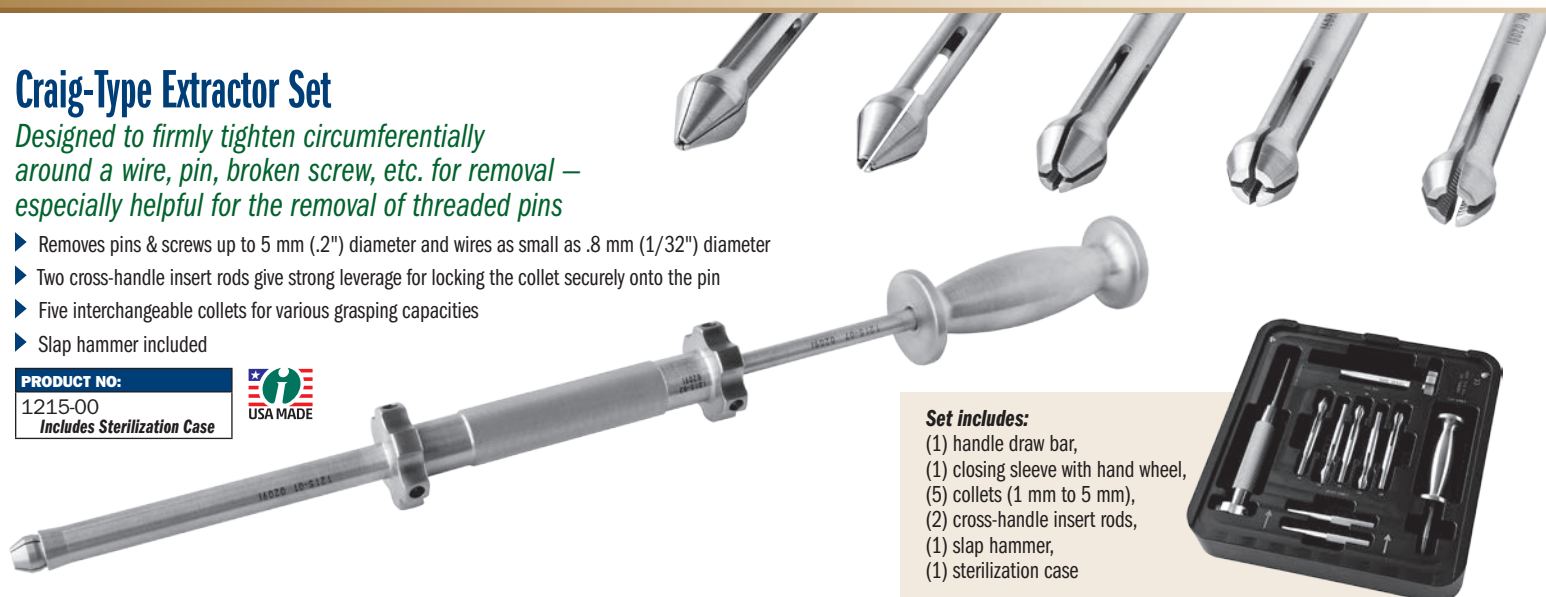
*Designed to firmly tighten circumferentially around a wire, pin, broken screw, etc. for removal – especially helpful for the removal of threaded pins*

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

### PRODUCT NO:

1215-00

Includes Sterilization Case





## Cheng Biopsy Trephine System

Designed by Edward Cheng, MD

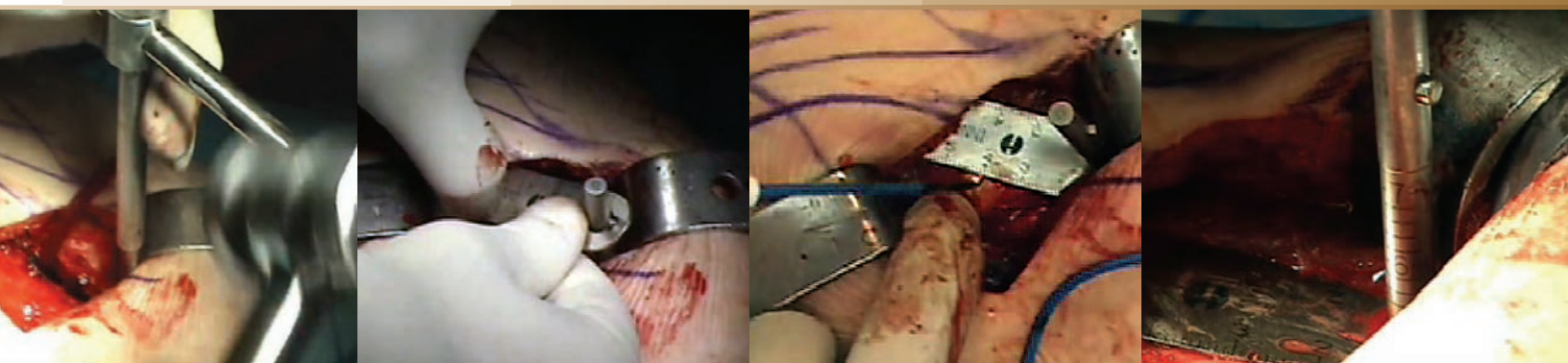
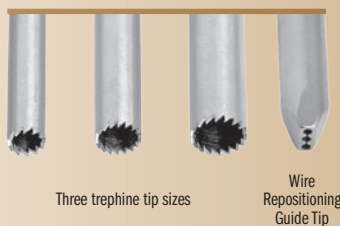
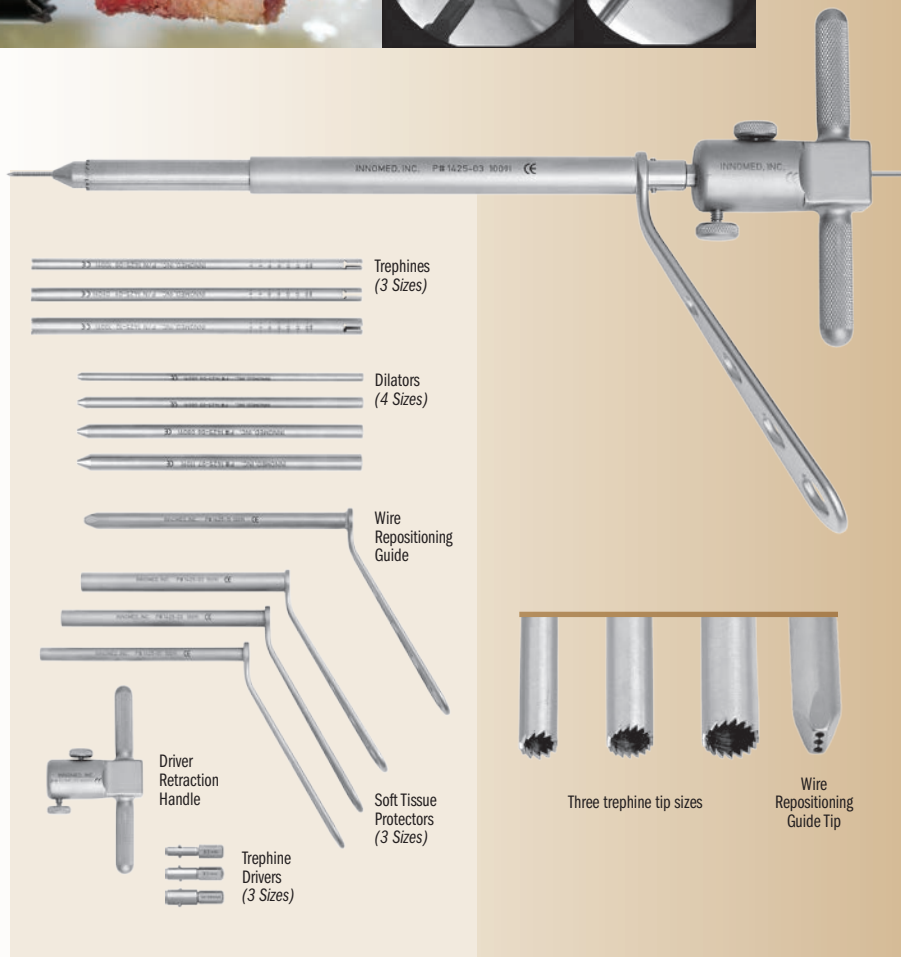
*Using a threaded K-wire facilitates grasping and removal of a core bone sample for biopsy or core decompression*

Designed for use with a standard 1.6 mm (.062") threaded K-wire (not included).

- ▶ Allows use of trephine at oblique angles to bone surface by using an anchoring K-wire and cannulated trephine
- ▶ Avoids "skipping" of trephine teeth on bone surface
- ▶ Facilitates optimal approach angle and direction of trephine
- ▶ Variety of core diameters yields bone samples of sufficient size for pathology
- ▶ Adapters allow for use of a power drill
- ▶ Minimally invasive – soft tissue sleeve protects surrounding structures and tissue
- ▶ Can also be used for bone graft harvesting
- ▶ Repositioning guide allows easy adjustment of targeting K-wire

### PRODUCT NO:

1425-00 [Complete Set]  
Trephine Internal Diameters:  
5 mm, 6,5 mm, 8 mm



## Cannestra Hip Length Gauge

Designed by Vince Cannestra, MD

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

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

### PRODUCT NO'S:

1327-00 [Set]

### Replacement Parts:

1327-01 [Pin – 100 mm]

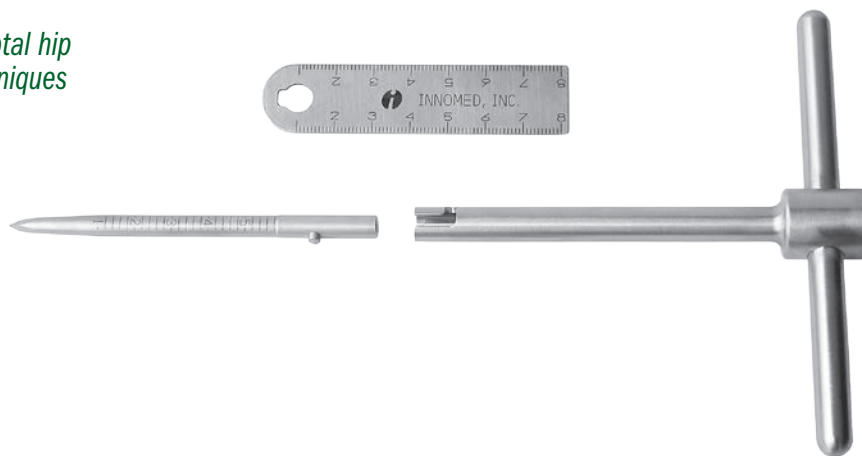
1327-02 [T-Handle]  
Dimensions: 8" x 5" (20,3 cm x 12,7 cm)

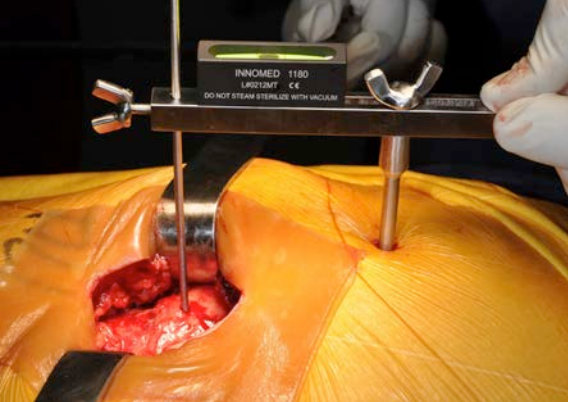
1327-03 [Ruler]

1327-04 [Pin – 130 mm]

1025 [Sterilization Case]

A detailed instruction brochure is available on our website.





## Llinas Leg Length & Lateral Offset Gauge

Designed by Adolfo Llinás, MD

*Designed to help equalize the pre- and post-operative leg length/lateral hip offset*

Used intra-operatively to establish measurements of both leg length and lateral hip offset. The measurements can then be used for verification, after femoral stem and head implantation but before final fixation, to help determine what adjustments (if any) are necessary.

### PRODUCT NO'S:

1133-00 [Set]

#### Set Includes:

1133-01 [Gauge Body, Pin, and Tube Unit]

Slider Bar Length: 5" (12,7 cm)

Cannulated Tube Length: 3.95" (10 cm)

1180 [Sterilizable Level]

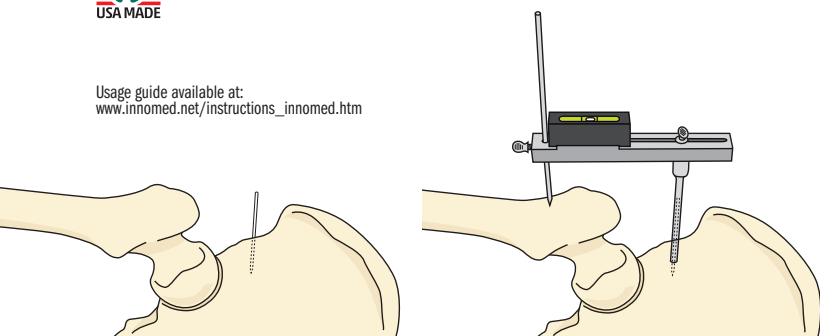
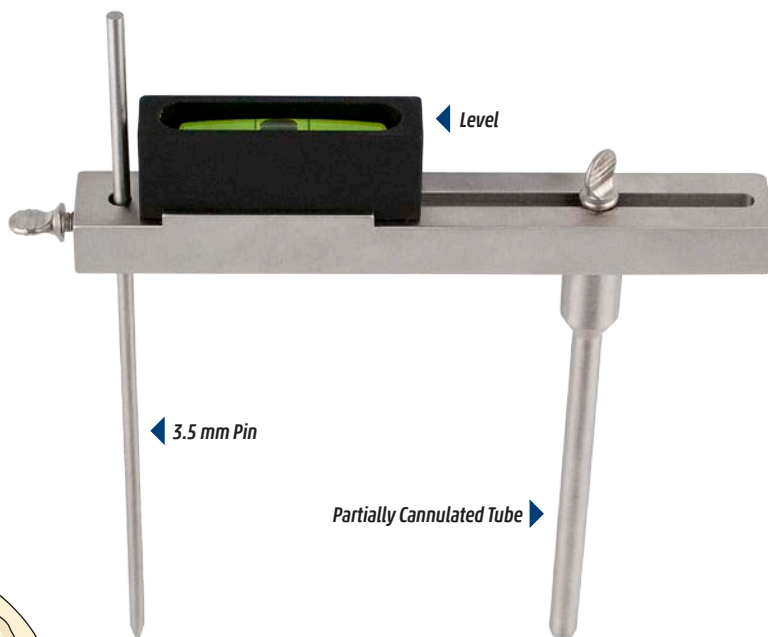
Dimensions: 2" x .5" x .75" (5,1 cm x 1,3 cm x 1,9 cm)

1025 [Sterilizable Case]

The sterilizable level can be steam sterilized without vacuum for use in surgery.



Usage guide available at:  
[www.innomed.net/instructions\\_innomed.htm](http://www.innomed.net/instructions_innomed.htm)



## Llinas Vertical Offset Gauge

Designed by Adolfo Llinás, MD

*Designed to help equalize the pre- and post-operative vertical hip offset*

Used intra-operatively to help determine the vertical distance of offset (if any) between the rotational center of the femoral head and the top of the greater trochanter. The measurement can then be used for verification, after femoral stem and head implantation but before final fixation, to help determine what adjustments (if any) are necessary to equalize the pre- and post-operative rotational center-trochanteric offset.

### PRODUCT NO:

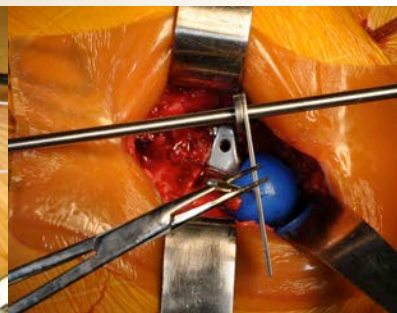
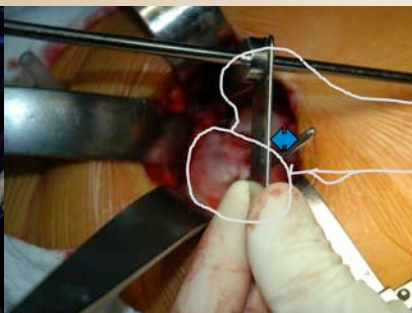
1133-02 [Llinas Vertical Offset Gauge]

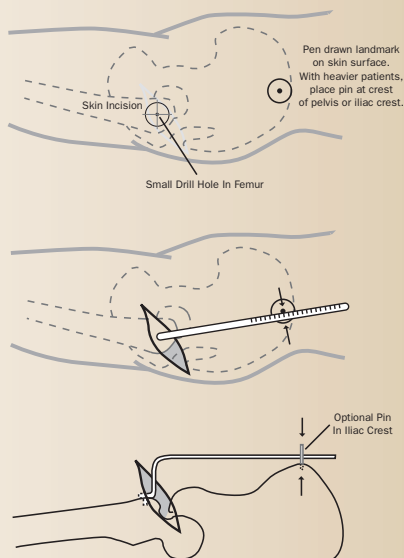
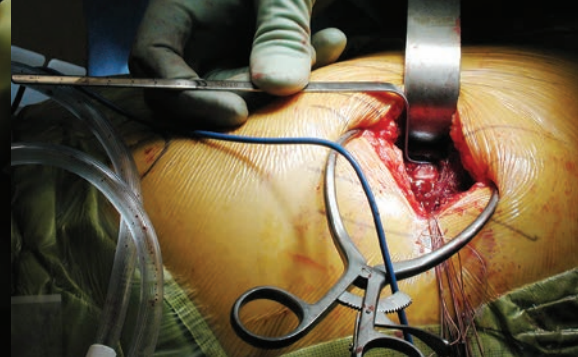
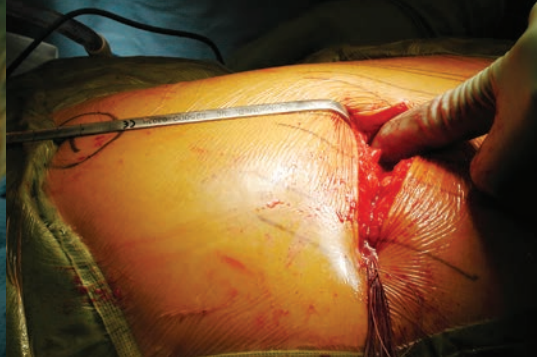
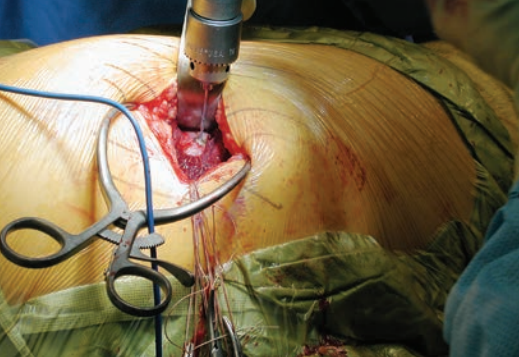
Overall Length: 17.25" (43,8 cm)

Sliding Bevel Arm Lengths: 2.4" (6 cm) / 3.15" (8 cm)



Usage guide available at:  
[www.innomed.net/instructions\\_innomed.htm](http://www.innomed.net/instructions_innomed.htm)



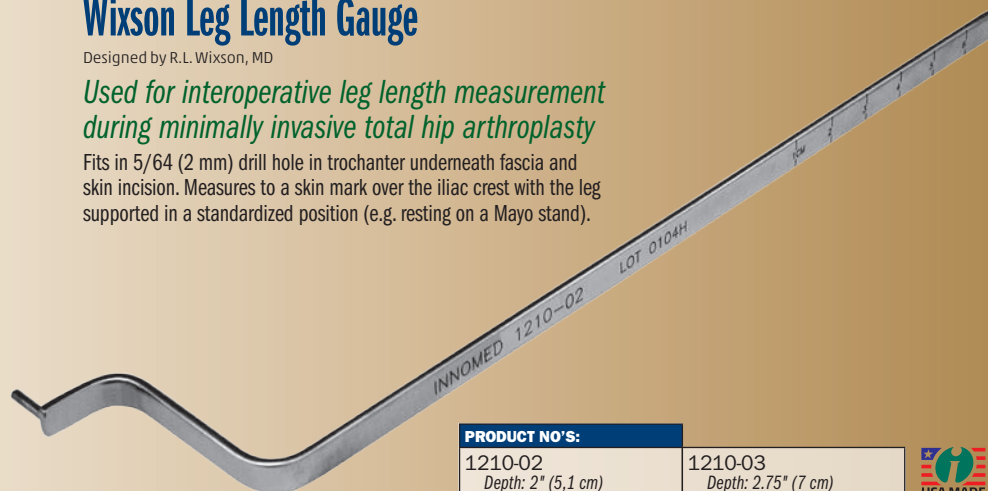


## Wixson Leg Length Gauge

Designed by R.L. Wixson, MD

*Used for intraoperative leg length measurement during minimally invasive total hip arthroplasty*

Fits in 5/64 (2 mm) drill hole in trochanter underneath fascia and skin incision. Measures to a skin mark over the iliac crest with the leg supported in a standardized position (e.g. resting on a Mayo stand).



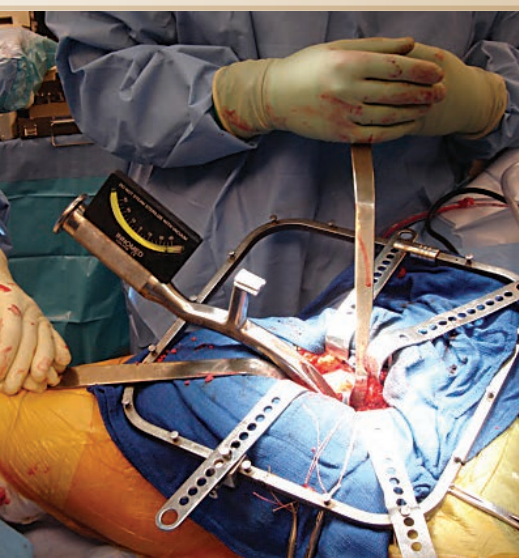
### PRODUCT NO'S:

#### 1210-02

Depth: 2" (5,1 cm)  
Overall Length: 8" (20,3 cm)  
Length-to-bend: 7" (17,8 cm)  
Pin Length: 10 mm

#### 1210-03

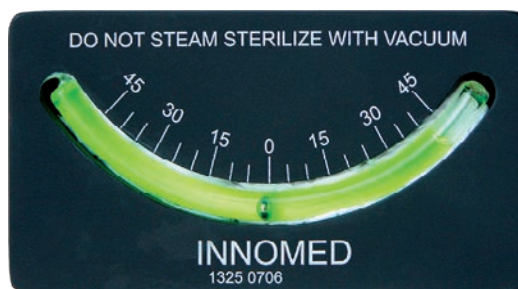
Depth: 2.75" (7 cm)  
Overall Length: 8" (20,3 cm)  
Length-to-bend: 7" (17,8 cm)  
Pin Length: 10 mm



## AccuAngle Indicator

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

*Helps to accurately predetermine angles for acetabular cup positioning and insertion*



Now includes two magnets along the bottom for hands-free use

WARNING:  
Do not strike glass indicator tube.



Bottom Profile with Magnets

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

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

### PRODUCT NO:

1325

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

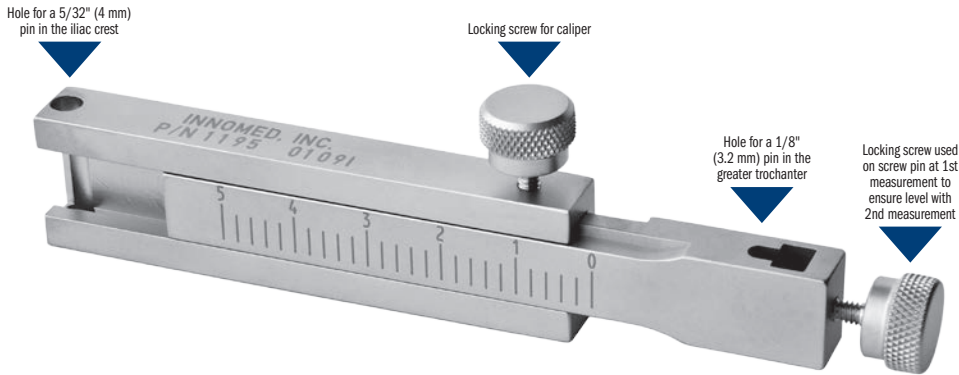


## Leg Length Caliper

Designed by Michael Koonin, MD

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

Utilizes a 5/32" (4 mm) pin in the wound just proximal to the acetabulum and a 1/8" (3.2 mm) pin in the greater trochanter. (The soft tissue is cleared away and a single drill hole is made in the trochanter to accommodate the distal pin; the hole is marked with methylene blue so it can be easily found.) Alternatively, a 7.3 mm cannulated screw that accepts a 3.2 mm pin may be used in the greater trochanter. Using the sliding caliper, the difference in leg length measurement before hip dislocation and after the THR procedure helps show the change in leg length.



The sterilizable level can be steam sterilized without vacuum for use in surgery.

### PRODUCT NO'S:

1195 [Complete Set]  
Includes: Caliper, Sterilizable Level, and Sterilization Case

### Individual/Replacement Parts:

1195-01 [Caliper Only]  
Overall Length: 4.5"-6.5" (11.4 cm-16.5 cm)

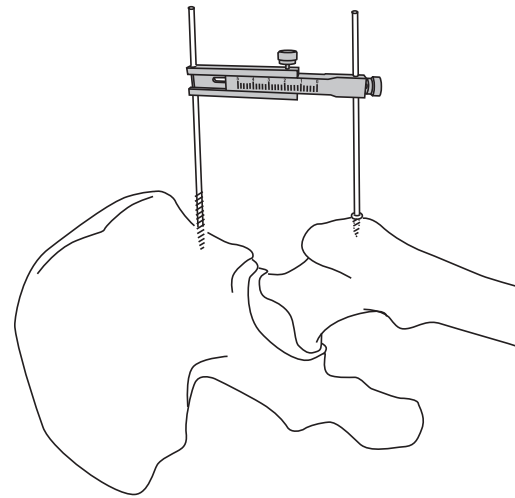
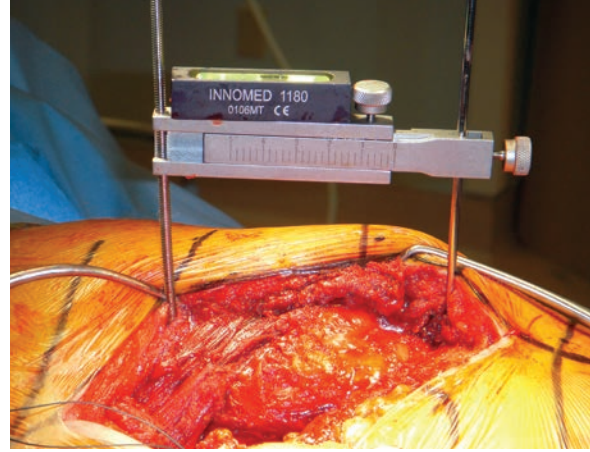
1180 [Sterilizable Level Only]  
Dimensions: 2" x .5" x .75" (5.1 cm x 1.3 cm x 1.9 cm)

1025 [Sterilization Case]

Sterilizable Level  
included in Set



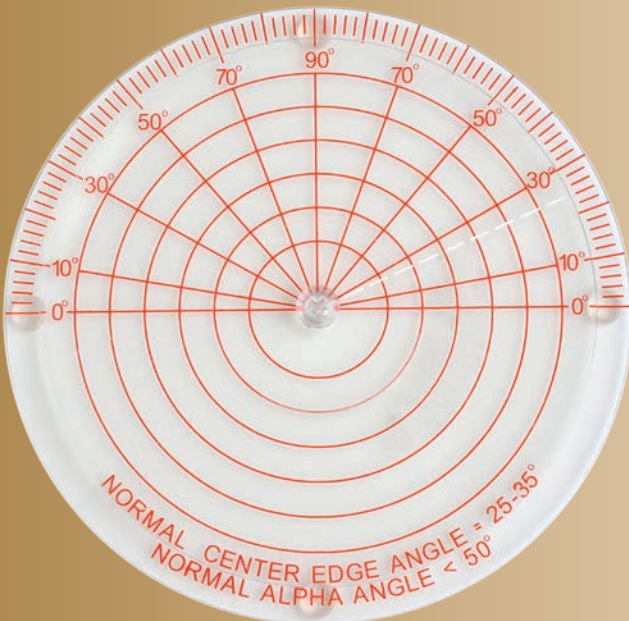
Helps to ensure the leg is in the same plane when initially putting the leg length caliper on and when reattaching the caliper.



## Hurst Alpha Angle Tool

Designed by Jason M Hurst, MD

*Used for the quick measurement of the alpha angle and lateral center-edge angle from both plain hip radiographs or digital images displayed on a computer monitor*

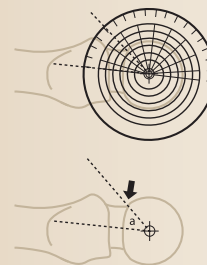


### PRODUCT NO:

2018  
Diameter: 4.5" (11.4 cm)



### To measure the alpha angle from lateral radiographs

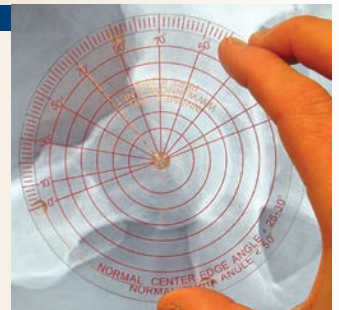


The device is held up to the computer monitor or light box with the center screw of the tool placed in the center of the femoral head. The concentric circles are used as a "perfect circle" reference for the femoral head so that the center screw can be placed in the absolute center.

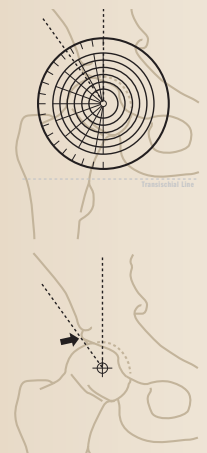
The "0 degree line" is then placed down the center of the femoral neck.

The outer disc with the dashed line is then rotated until it first intersects with the region of femoral head asphericity—where the head begins to go "out of round."

The corresponding angle measurement is the representative alpha angle.



### To measure the lateral center-edge angle from AP radiographs

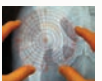
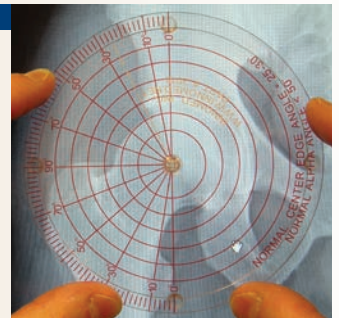


The center screw of the tool is placed in the center of the femoral head using the concentric circles to center the device.

The "0 degree line" is then directed vertically on the pelvis, with the 90 degree line parallel to the transischial line.

The outer disc with the dashed line is rotated until it intersects with the lateral edge of the acetabular rim.

The corresponding angle measurement is the representative lateral center-edge angle.





Prototype  
Shown

## Ruler with 45° Angle Handle

Designed by Richard A. Sanders, MD

*Useful for measuring distances  
in small deep incisions*

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



### PRODUCT NO:

1430

Handle Length: 5" (12,7 cm)

Ruler Dimensions: 2.5" x .5" (6,4 cm x 1,3 cm)



## Ruler with Right Angle Handle

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

Very helpful in minimally invasive surgery.

### PRODUCT NO:

1450

Handle Length: 4.25" (10,8 cm)

Ruler Dimensions: 2.5" x .5" (6,4 cm x 1,3 cm)



## Lombardi Self-holding X-ray Magnification Marker

Designed by Adolph Lombardi, MD

*Helps to remove the variable of X-Ray magnification  
factor from the process of Orthopedic templating*

Fully positionable, this orthopedic X-Ray calibration and marking device features a 1" (25.4 mm) stainless steel ball which, when properly positioned at bone level on a precise anatomical plane, will be this exact size when viewed from all angles, allowing it to be used as a calibration marker in surgical planning software applications, helping to gauge the size of other components on that plane. This helps establish precise anatomical measurement.

### PRODUCT NO:

2672

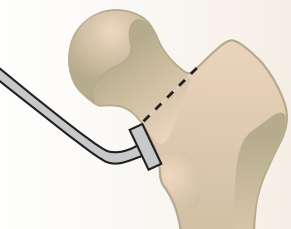
Base Dimensions: 11" x 5.25" (27,9 cm x 13,3 cm)

Post Height: 7" (17,8 cm)

Arm Maximum Length: 13" (33 cm)



*The flexible, adjustable  
arm can help reduce  
patient (and technologist)  
embarrassment or  
discomfort when it is  
required to be positioned  
in a sensitive area such  
as the inner thigh.*



### PRODUCT NO'S:

Overall Length: 6.5" (16,5 cm)

4555

Block Dimensions: 5 x 10 mm

4560

Block Dimensions: 10 x 10 mm

4565

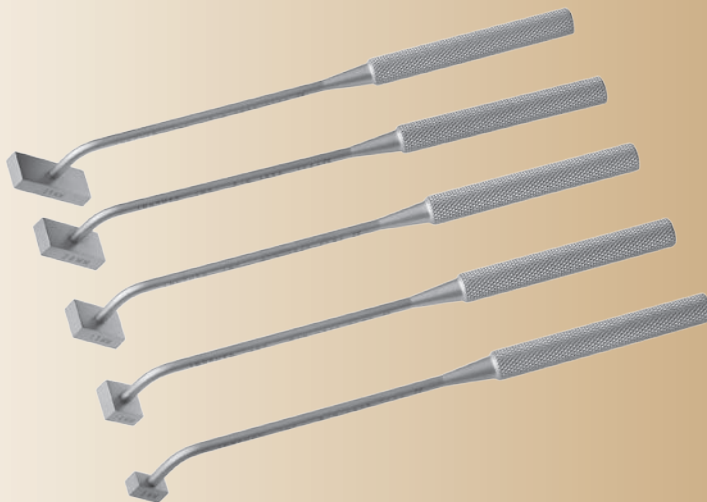
Block Dimensions: 10 x 15 mm

4570

Block Dimensions: 10 x 20 mm

4575

Block Dimensions: 10 x 25 mm



## Sanders Femoral Neck Cutting Blocks

Designed by Richard A. Sanders, MD

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

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



## Mengato Depth Gauge

Designed by Richard Mengato, MD

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

Allows for superior gauge control and manipulation, to advance, engage and maintain the hook on the distal cortex by levering the probe against the bone hole and keeping gentle tension on the hook.

### PRODUCT NO:

1139

Overall Length - Contracted: 7.125" (18,1 cm)

Overall Length - Extended: 9.125" (23,2 cm)

Gauge: 0 to 50 mm



US Patent # 8,512,349

*New!*



## Depth Gauge

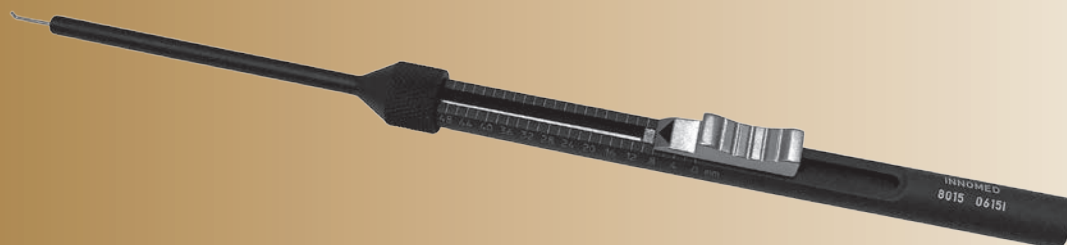
*Designed for one-handed use — helps to provide measurement of the depth/length of any bone hole for proper screw length determination*

### PRODUCT NO:

8015

Overall Length: 7.625" (19,4 cm)

Scale: From 0 to 48 mm



## Radiopaque Goniometers

*Designed for Angle Determination*

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

Ethylene oxide sterilize only. **Do not steam sterilize.**

### PRODUCT NO'S:

2000 [Set of 3]

2005 [Finger-size]

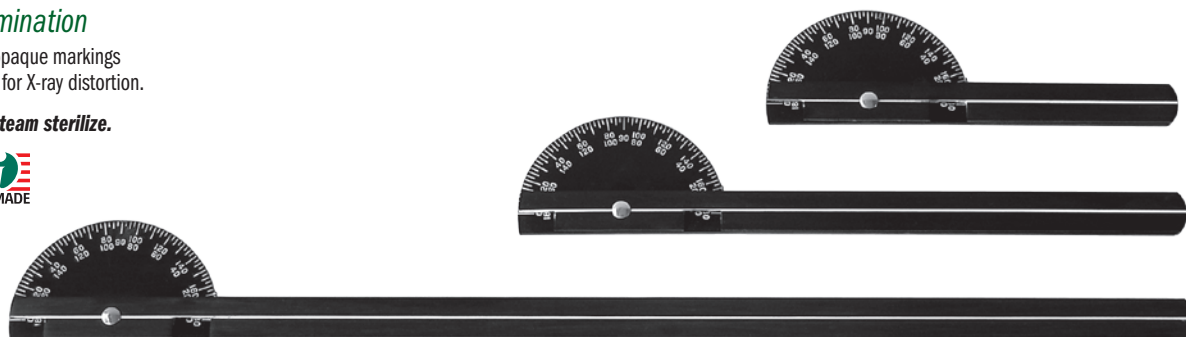
Overall Length: 5" (12,7 cm)

2010 [Medium]

Overall length: 8" (20,3 cm)

2015 [Large]

Overall length: 14" (35,6 cm)



## Sterilizable Level

*Steam sterilizable without vacuum for use in surgery*

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

### PRODUCT NO:

1180

Dimensions: 2" x 5" x .75" (5,1 cm x 1,3 cm x 1,9 cm)





## Unger Canal Finder Rasps

Designed by Anthony Unger, MD

*Designed to help shape the femoral canal after reaming*

### PRODUCT NO'S:

3004 [Unger Canal Finder Rasp—Straight]  
Overall Length: 11" (27,9 cm)  
Handle Length: 5" (12,7 cm)

3004-01 [Unger Canal Finder Rasp—Curved]  
Overall Length: 11" (27,9 cm)  
Handle Length: 5" (12,7 cm)

3004-02 [Unger Canal Finder Rasp—Curved with Smooth Proximal]  
Overall Length: 11" (27,9 cm)  
Handle Length: 5" (12,7 cm)

**New!**



**New!**

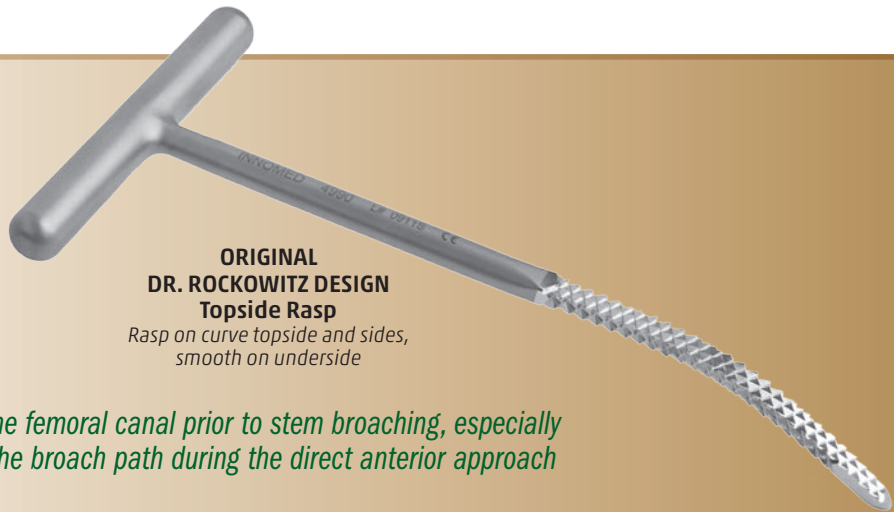
Smooth Proximal Section

## Rockowitz T-Handle Femoral Canal Finder Rasp

Designed by Neal L. Rockowitz, MD

### PRODUCT NO:

4990 [Rockowitz Rasp]  
Overall Length: 9" (22,9 cm)



### ORIGINAL DR. ROCKOWITZ DESIGN Topside Rasp

Rasp on curve topside and sides,  
smooth on underside

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



### MODIFIED DESIGN Underside Rasp

Rasp on curve underside and sides,  
smooth on topside

## Modified T-Handle Femoral Canal Finder Rasp

### PRODUCT NO:

4989 [Modified Rasp]  
Overall Length: 9" (22,9 cm)



## Kim Anterior Total Hip Awl

Designed by William C. Kim, MD

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

### PRODUCT NO:

8028  
Overall Length: 12" (30,5 cm)  
Blunt Reamer Length: 2" (5,1 cm)



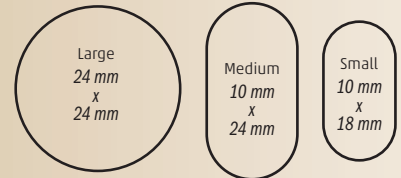
**New!**

## Large Bone Curettes



### PRODUCT NO'S:

5160 [Set with Case]
Individual Instrument Dimensions: Overall Length: 15" (38,1 cm) Handle Length: 4.5" (11,4 cm)
5160-01 [Angled Small] Curette End: 10 mm X 18 mm
5160-02 [Straight Small] Curette End: 10 mm X 18 mm
5160-03 [Angled Medium] Curette End: 10 mm X 24 mm
5160-04 [Angled Large] Curette End: 24 mm X 24 mm
5160-05 [Straight Medium] Curette End: 10 mm X 24 mm



Curette Ends at Actual Size

*Designed with a 5/16" (8 mm) diameter shaft allowing better visualization into the medullary canal*

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

## Angled Capsule Scissors

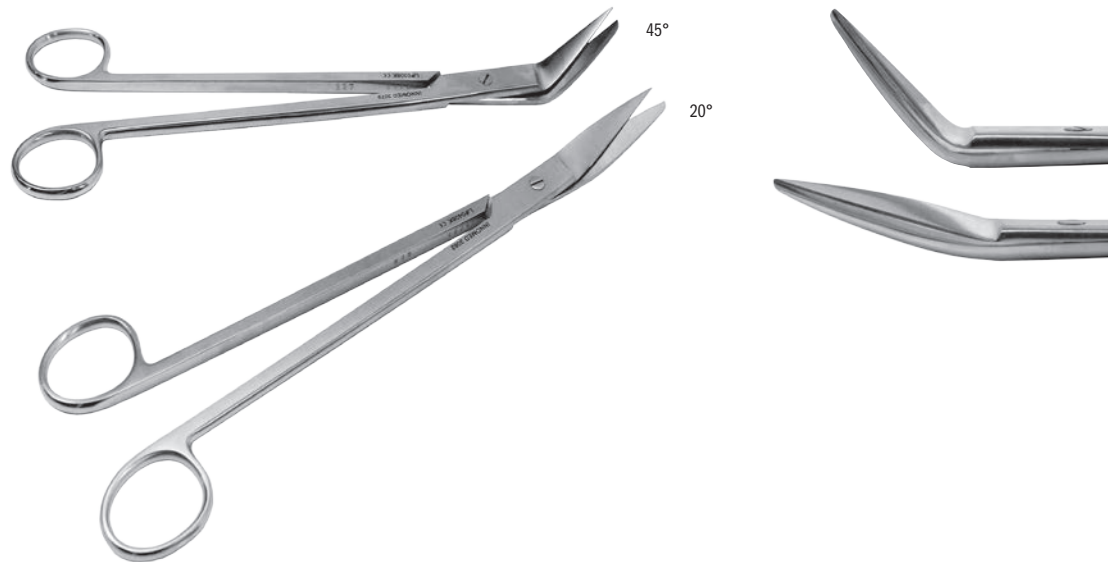
Designed by James B. Stiehl, MD

*Angled scissors allow a greater range of capsular access*

### PRODUCT NO'S:

3079 [45°] Overall Length: 9.5" (24,1 cm) Scissor Angle: 45°
3082 [20°] Overall Length: 10" (25,4 cm) Scissor Angle: 20°

MADE EXCLUSIVELY  
FOR INNOVED IN  
GERMANY



## Mongold Capsule Knife

Designed by Evie Mongold, MD

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

### PRODUCT NO:

4115 Overall Length: 7.75" (19,7 cm) Blade Diameter: 2" (5,1 cm) Blade Width: .5" (1,3 cm)
---



## Wagner Osteotome Handle

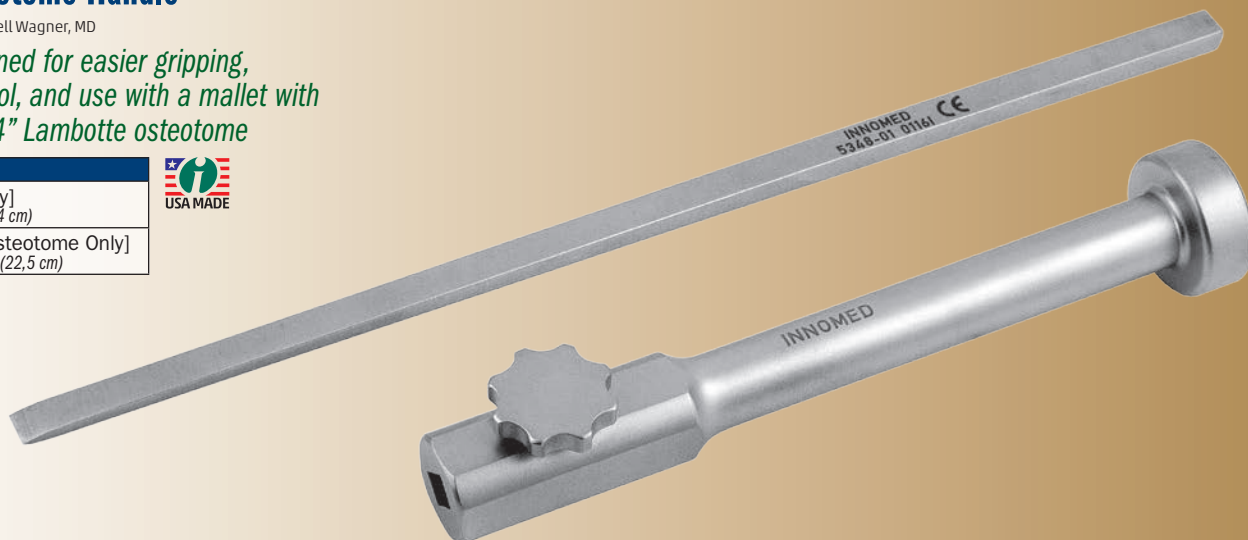
Handle designed by Russell Wagner, MD

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

### PRODUCT NO'S:

5348 [Handle Only]  
Overall Length: 5.5" (14 cm)

5348-01 [1/4" Osteotome Only]  
Overall Length: 8.875" (22,5 cm)



## Mueller Style Hip Instruments

### PRODUCT NO:

6865-01 [Flat Blade Osteotome]  
Overall Length: 11.125" (28,3 cm)  
Osteotome Width: 20 mm

6865-02 [Femoral Head Dislocation Lever]  
Overall Length: 11.375" (23,8 cm)  
Scoop Dimensions: 25 mm x 57 mm

6865-03 [Narrow Curved Osteotome]  
Overall Length: 12" (30,5 cm)  
Osteotome Width: 9 mm

6865-04 [Wide Curved Osteotome]  
Overall Length: 12" (30,5 cm)  
Osteotome Width: 16 mm

6865-05 [Swan Neck Curved Gouge]  
Overall Length: 12" (30,5 cm)  
Gouge Width: 23 mm

5350-CB [Cross Bar]



## Ring Curettes



### PRODUCT NO'S:

**Straight Shaft**  
Overall Length: 8.75" (22,2 cm)

MADE FOR INNOMED IN  
GERMANY

5150 [3 mm, Straight]  
Ring Diameter: 3 mm

5152 [6 mm, Straight]  
Ring Diameter: 6 mm

5154 [8 mm, Straight]  
Ring Diameter: 8 mm



### PRODUCT NO'S:

**Bent Shaft**  
Overall Length: 8.625" (21,9 cm)

MADE FOR INNOMED IN  
GERMANY

5156 [3 mm, Bent]  
Ring Diameter: 3 mm

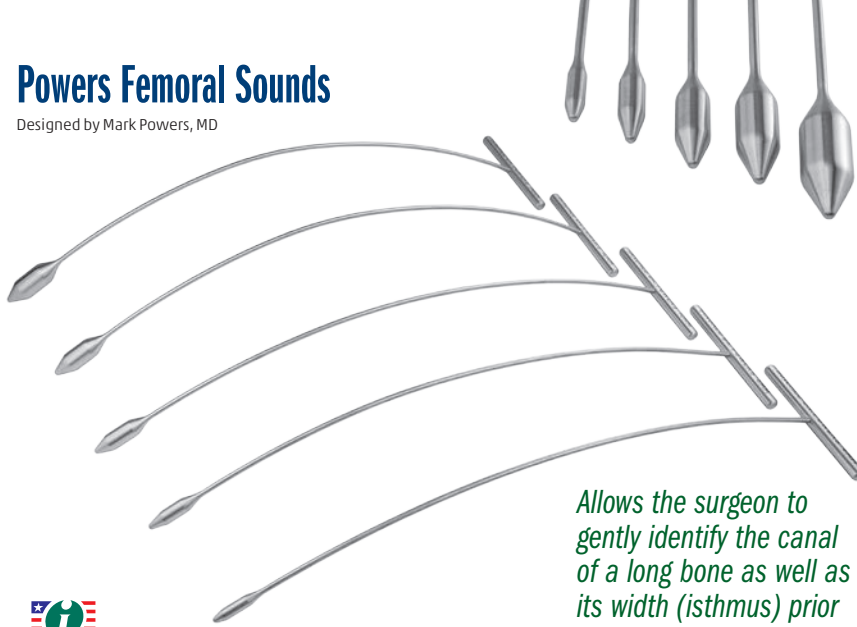
5157 [6 mm, Bent]  
Ring Diameter: 6 mm

5158 [8 mm, Bent]  
Ring Diameter: 8 mm



## Powers Femoral Sounds

Designed by Mark Powers, MD



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

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

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

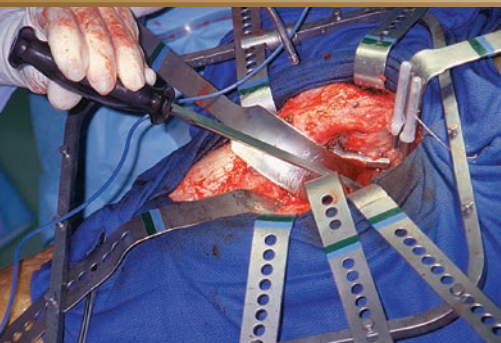
## Modified Lambotte Osteotomes

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

Six (6) sizes available, from 1/4" to 1-1/2" in 1/4" increments.

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

PRODUCT NO'S:	
5350-00	[Set w/Case]
<b>Also Available Individually:</b>	
5350-25 [1/4" (6,4 mm)] Overall Length: 9" (22,9 cm) Osteotome Width: .25" (6,35 mm)	5350-100 [1" (25,4 mm)] Overall Length: 9" (22,9 cm) Osteotome Width: 1" (25,4 mm)
5350-50 [1/2" (12,7 mm)] Overall Length: 9" (22,9 cm) Osteotome Width: .5" (12,7 mm)	5350-125 [1-1/4" (31,8 mm)] Overall Length: 9" (22,9 cm) Osteotome Width: 1.25" (31,75 mm)
5350-75 [3/4" (19 mm)] Overall Length: 9" (22,9 cm) Osteotome Width: .75" (19 mm)	5350-150 [1-1/2" (38,1 mm)] Overall Length: 9" (22,9 cm) Osteotome Width: 1.5" (38,1 mm)
5350-CB [Cross Bar]	5350-CASE [Case]



## Lambotte Osteotomes with Handle

Designed by John Cherf, MD

*Handle allows for better control, reducing rotation during use*



Designed with a handle for better control, which helps reduce rotation of the osteotome during use. The handle also provides a larger striking area for use with a mallet. The osteotome shafts are manufactured with stainless steel and are available both straight and curved.



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

## Tissue Graspers with Shark Teeth

Designed by Luis Ulloa

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

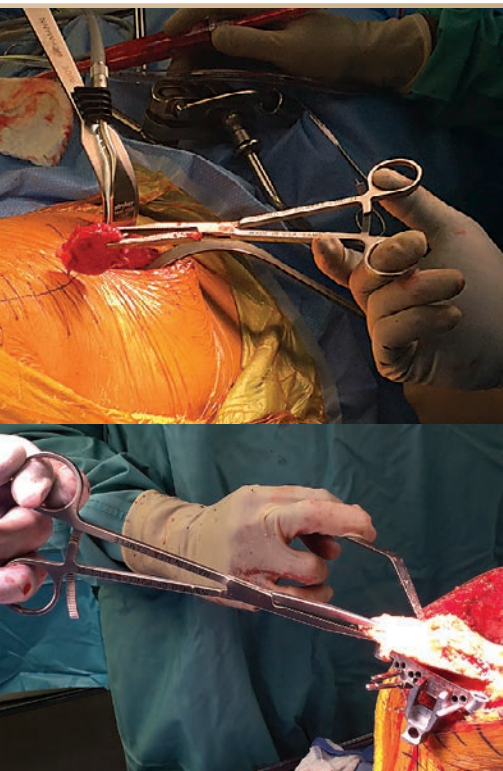
- ▶ Shaft allows for use in narrow spaces
- ▶ Ideal for removing herniated disc material

### PRODUCT NO'S:

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

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

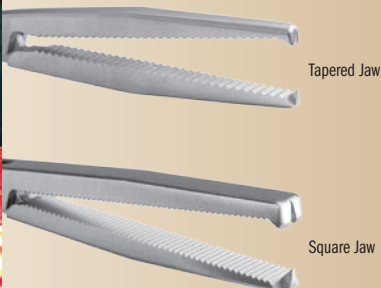
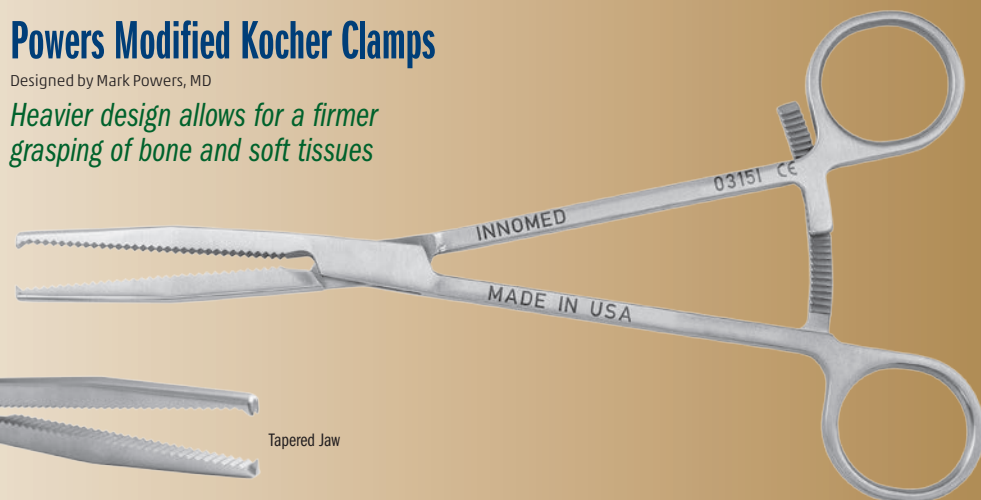
1784-03 [Down Angled Jaw]  
Shaft Length: 7" (17,8 cm)  
Overall Length: 10" (25,4 cm)  
Jaw: 9 mm Long x 5 mm High x 1.8 mm Wide



## Powers Modified Kocher Clamps

Designed by Mark Powers, MD

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



### PRODUCT NO'S:

1813 [Tapered Jaw]  
Overall Length: 8.25" (21 cm)  
Law Length: 2.5" (6,4 cm)

1814 [Square Jaw]  
Overall Length: 8.25" (21 cm)  
Law Length: 2.5" (6,4 cm)



## Extra Long Grasper

*Designed for reaching deep into the medullary canal*

### PRODUCT NO:

1782  
Overall Length: 15" (38,1 cm)





Shark Tooth Jaw



Saw Tooth Jaw

## Cartilage Graspers

Designed by Luis Ulloa

*Helps to grasp and hold cartilage, tendons, soft tissues and loose bodies*

Shaft allows for use in narrow spaces.



Saw Tooth Jaw with 6" (15,2 cm) Shaft

### PRODUCT NO:

1785 [Saw Teeth]  
Shaft Length: 6" (15,2 cm)  
Overall Length: 9.25" (23,5 cm)

MADE EXCLUSIVELY  
FOR INNOVIMED IN  
GERMANY



Shark Tooth Jaw with 8" (20,3 cm) Shaft

Shark Tooth Jaw with 5" (12,7 cm) Shaft

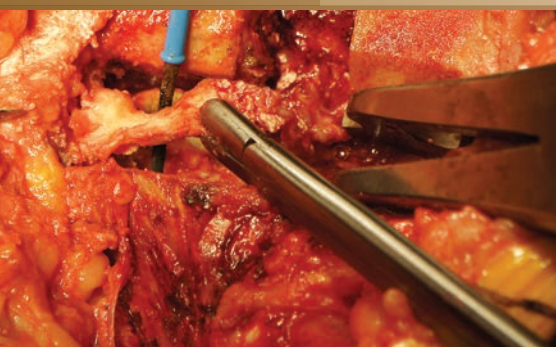
### PRODUCT NO'S:

1777 [5" with Shark Teeth]  
Shaft Length: 5" (12,7 cm)  
Overall Length: 8.25" (21 cm)  
Jaw Bite: 2 mm x 6.5 mm

1779 [8" with Shark Teeth]  
Shaft Length: 8" (20,3 cm)  
Overall Length: 11.25" (28,6 cm)

Shark tooth design  
modification by  
Michael Soudry, MD

MADE EXCLUSIVELY  
FOR INNOVIMED IN  
GERMANY

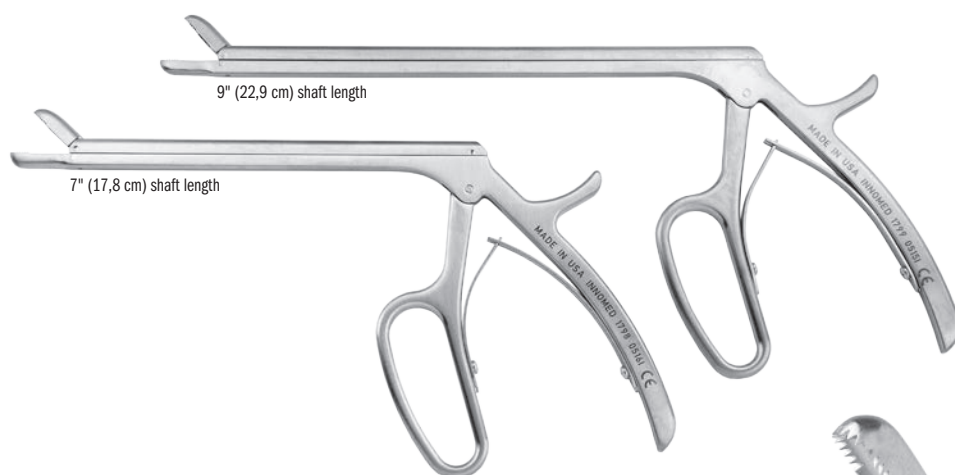


## Shark Tooth Grasper

Designed by Luis Ulloa

*Sharp teeth help grasp onto tissue and bone*

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



7" (17,8 cm) shaft length

9" (22,9 cm) shaft length

### PRODUCT NO:

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

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



## Soudry Loose Body Grasper

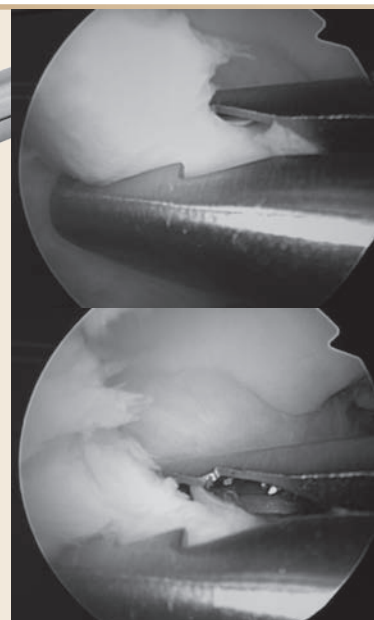
Designed by Michael Soudry, MD

*Designed to help with the removal of soft tissue loose bodies in arthroscopy and open procedures*

### PRODUCT NO:

1769  
Overall Length: 9" (22,9 cm)  
Shaft Length: 6" (15,2 cm)

MADE EXCLUSIVELY  
FOR INNOVIMED IN  
GERMANY





## Extra Long Rongeur

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

### PRODUCT NO'S:

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

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

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



5 x 16 mm

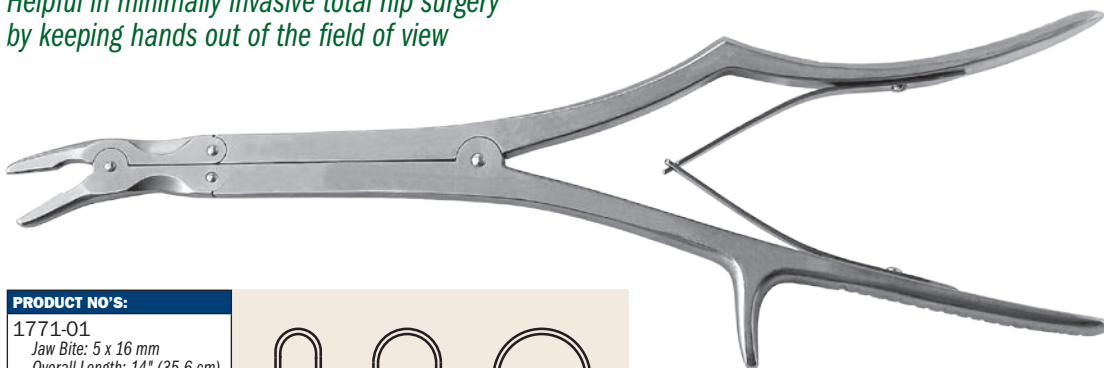


8 x 16 mm



12 x 16 mm

MADE FOR INNOMED IN  
GERMANY



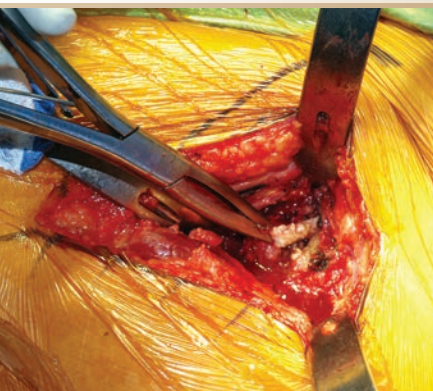
## Mazzara Pistol Grip Extra Long Rongeur

Designed by James T. Mazzara, MD

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

### PRODUCT NO:

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



## Hannum Tissue Grasper

Designed by Scott Hannum, MD

*Teeth in jaw firmly holds bone and tissue*

Three jaw sizes available.

MADE EXCLUSIVELY  
FOR INNOMED IN  
GERMANY



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

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

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

### PRODUCT NO'S:

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

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

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

Jaw widths at actual size



8 mm



5 mm



3 mm



Three Jaw Sizes Available



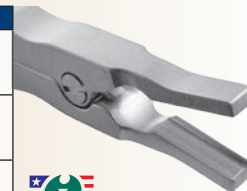
## Macko Square Tipped Rongeur

Designed by Victor W. Macko, MD

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

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

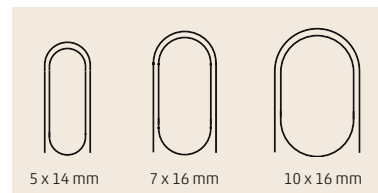
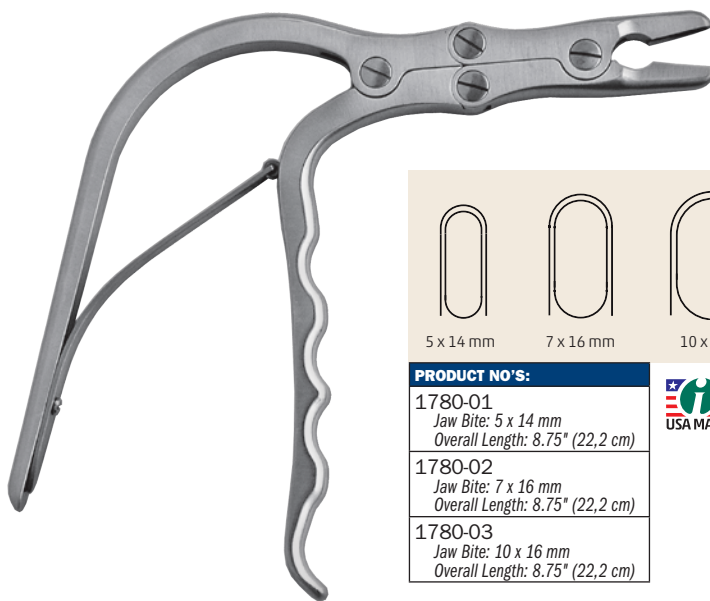
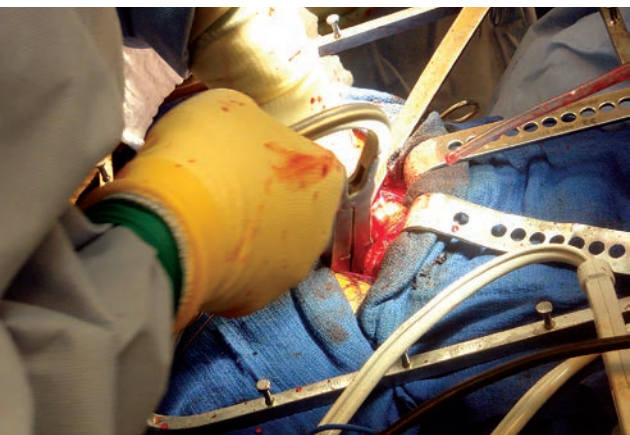
PRODUCT NO'S:	
1778-01	Jaw Bite: 5 x 18 mm Overall Length: 10" (25,4 cm)
1778-02	Jaw Bite: 7 x 18 mm Overall Length: 10" (25,4 cm)
1778-03	Jaw Bite: 10 x 18 mm Overall Length: 10" (25,4 cm)



## Ortho Rongeur with Easy Grip Handle

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

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



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

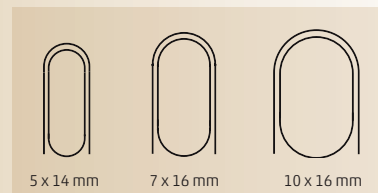


PRODUCT NO'S:	
1765-01	Jaw Bite: 5 x 14 mm Overall Length: 10" (25,4 cm)
1765-02	Jaw Bite: 7 x 16 mm Overall Length: 10" (25,4 cm)
1765-03	Jaw Bite: 10 x 16 mm Overall Length: 10" (25,4 cm)

## Mazzara Rongeur with Pistol Grip Handle

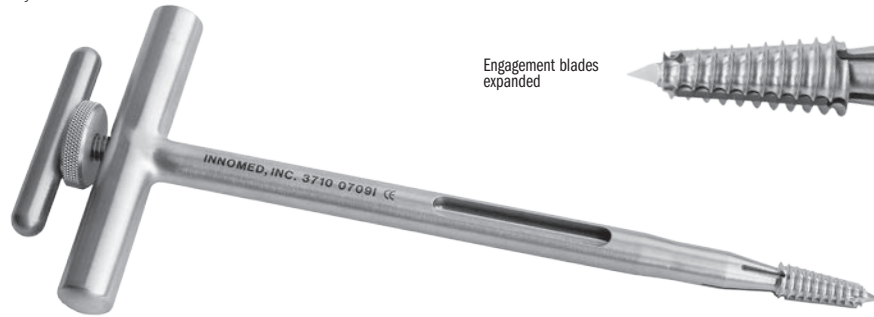
Designed by James T. Mazzara, MD

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



## Expanding Cannulated Corkscrew Femoral Head Remover

Designed by Tim Seachris



Engagement blades  
not expanded

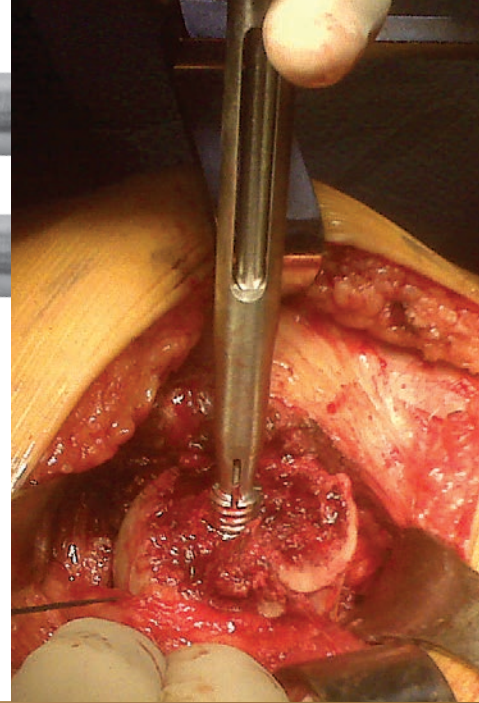
Engagement blades  
expanded

*Designed with internal blades which can be expanded from the inside out to better engage a femoral head for successful removal*

- ▶ Can be inserted with hand pressure or with tap and turn method
- ▶ Engagement blades are aligned perpendicular to the large T-handle



**PRODUCT NO:**  
3710  
Overall Length: 10.5" (26,7 cm)

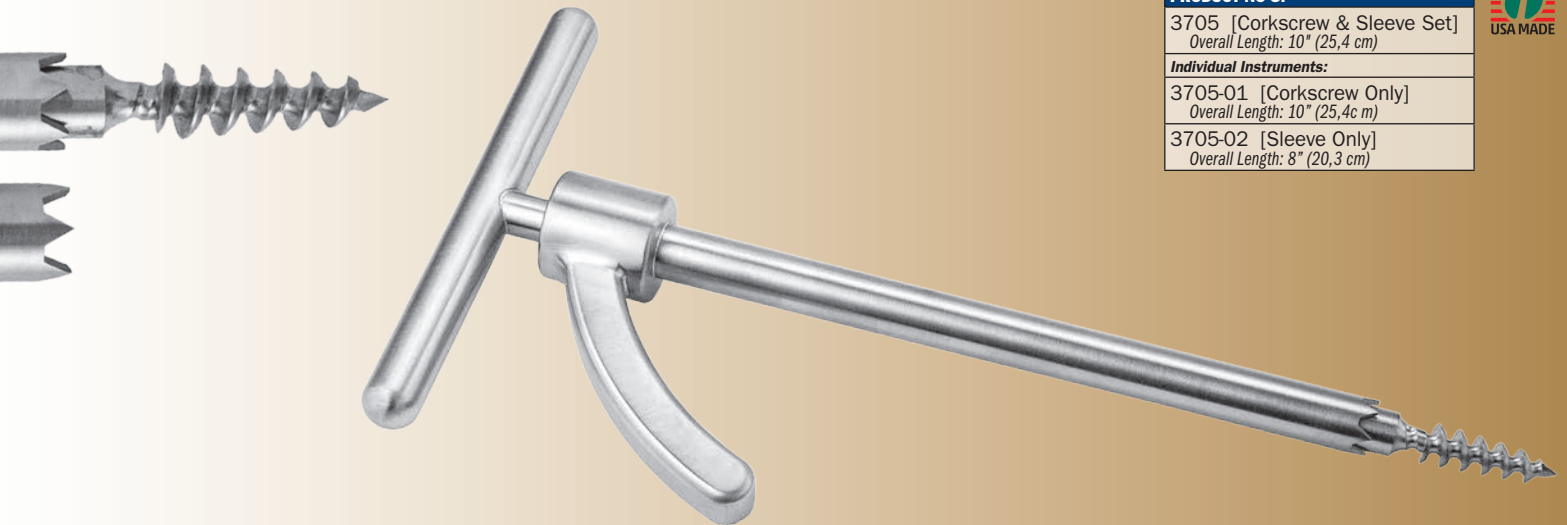


## Rivero Anti-Rotation Corkscrew Femoral Head Remover

Designed by Dennis Rivero, MD

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

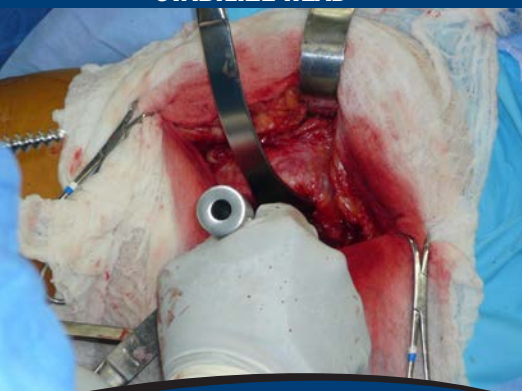
The sharp-toothed sleeve can be tapped in to help provide purchase of the femoral head, then held to help prevent rotation as the super-threaded corkscrew is turned to engage the head for removal.



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



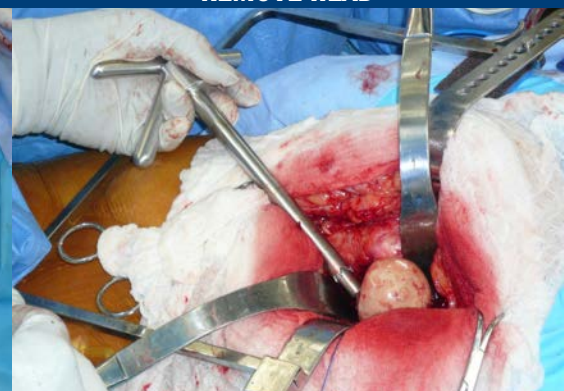
**STABILIZE HEAD**



**INSERT/ENGAGE CORKSCREW**



**REMOVE HEAD**



## Verner Corkscrew Femoral Head Remover

Designed by James J. Verner, MD & Andy Lytle

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

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

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

**PRODUCT NO:**

3698

Overall Length: 12.25" (31,1 cm)



## Rivero Extra Grip Femoral Head Removers

Modified by Dennis Rivero, MD

*Used to remove femoral heads during total hip arthroplasty or fracture surgery*

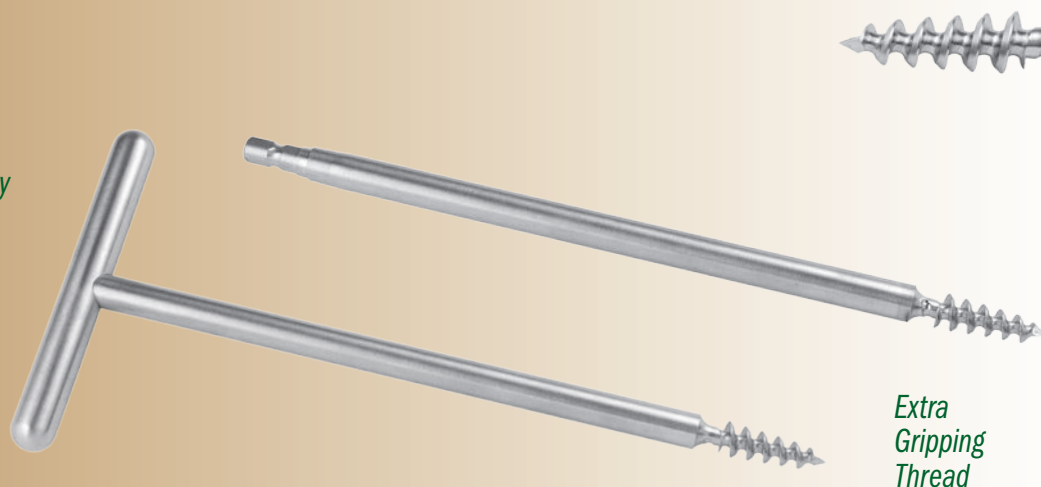
**PRODUCT NO'S:**

3706 [Hudson-style Quick-Connect]

Overall Length: 8.5" (21,6 cm)

3707 [T-Handle]

Overall Length: 8.75" (22,2 cm)



*Extra Gripping Thread*

## Femoral Head Removers

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

**PRODUCT NO'S:**

3688 [Hudson Style Quick-Connect]

Overall Length: 8.5" (21,6 cm)

3690 [T-Handle]

Overall Length: 8.75" (22,2 cm)





## O'Reilly Femoral Head Extractor

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

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

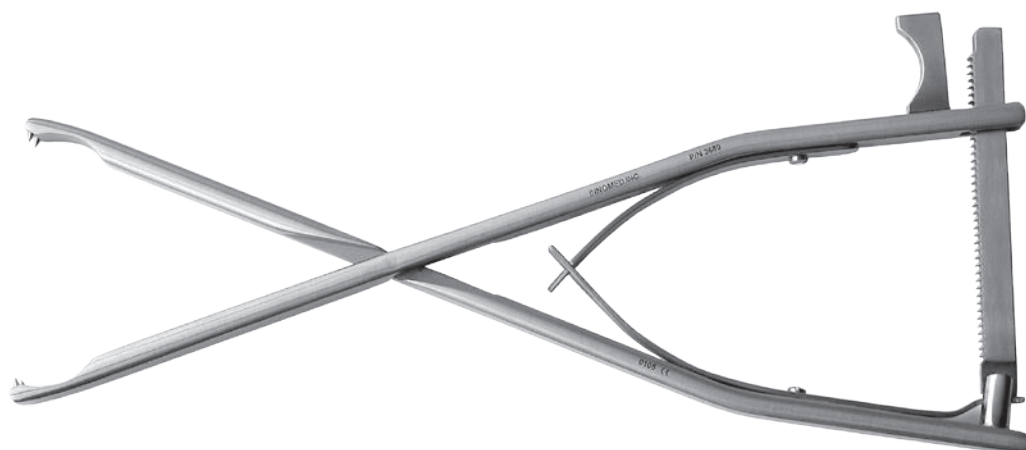
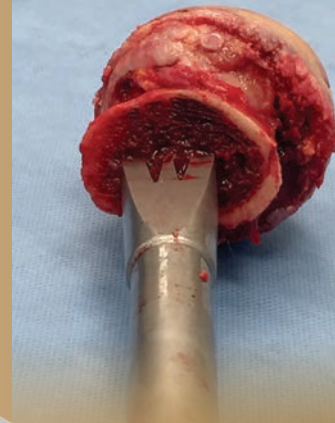
The perpendicular osteotome blades help provide purchase in osteoporotic bone, while the central osteotome provides a visual estimate of the instrument's depth of penetration to avoid acetabular injury with use during hemiarthroplasty.

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

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



**New!**  
SMALLER SIZE AVAILABLE



## Femoral Head Removal Clamp

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

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

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

MADE EXCLUSIVELY  
FOR INNOMED IN  
GERMANY

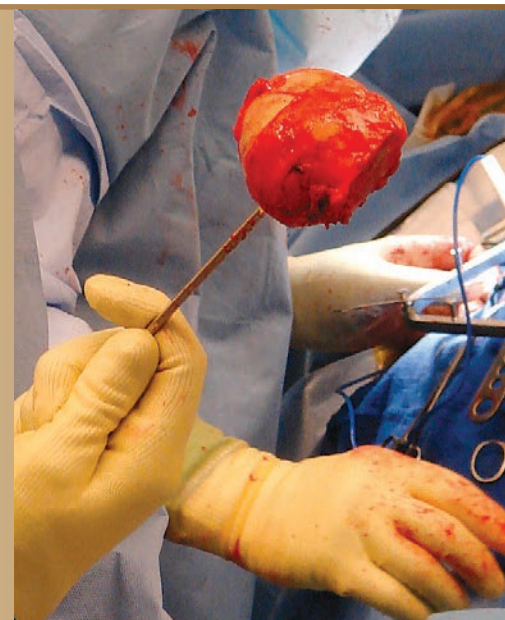
## Femoral Head Removal Pin

*Used to help remove a femoral head during total hip surgery*

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



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



## Huddleston Femoral Head Removers

Designed by H. Dennis Huddleston, MD

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

### PRODUCT NO'S:

3608 [Sharp]

Overall Length: 10.5" (26,7 cm)

Scoop Length: 3" (7,6 cm)

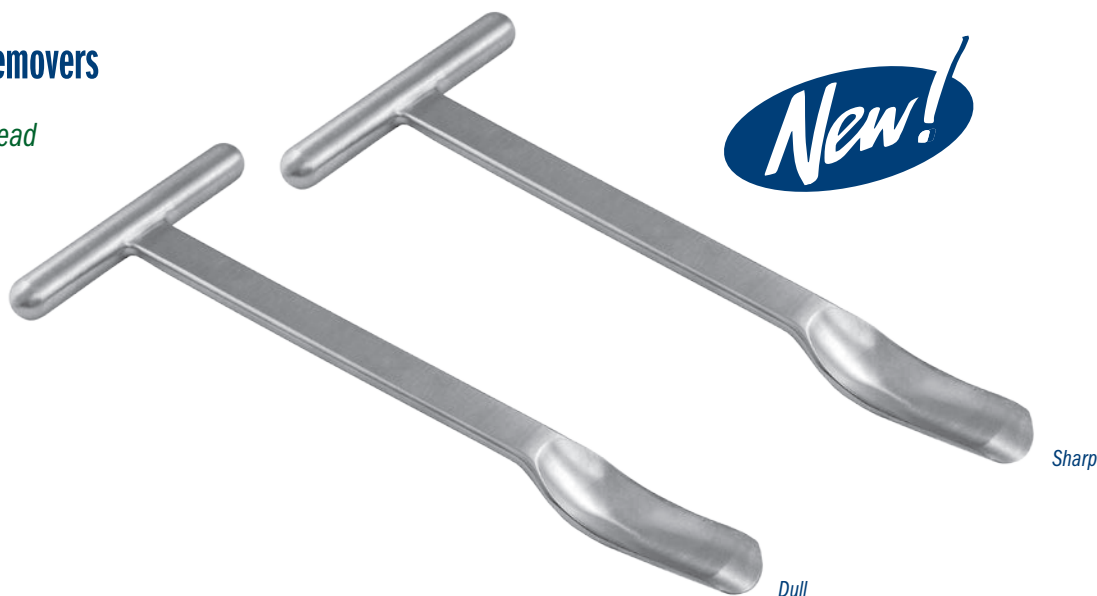
Scoop Width: 29 mm

3609 [Dull]

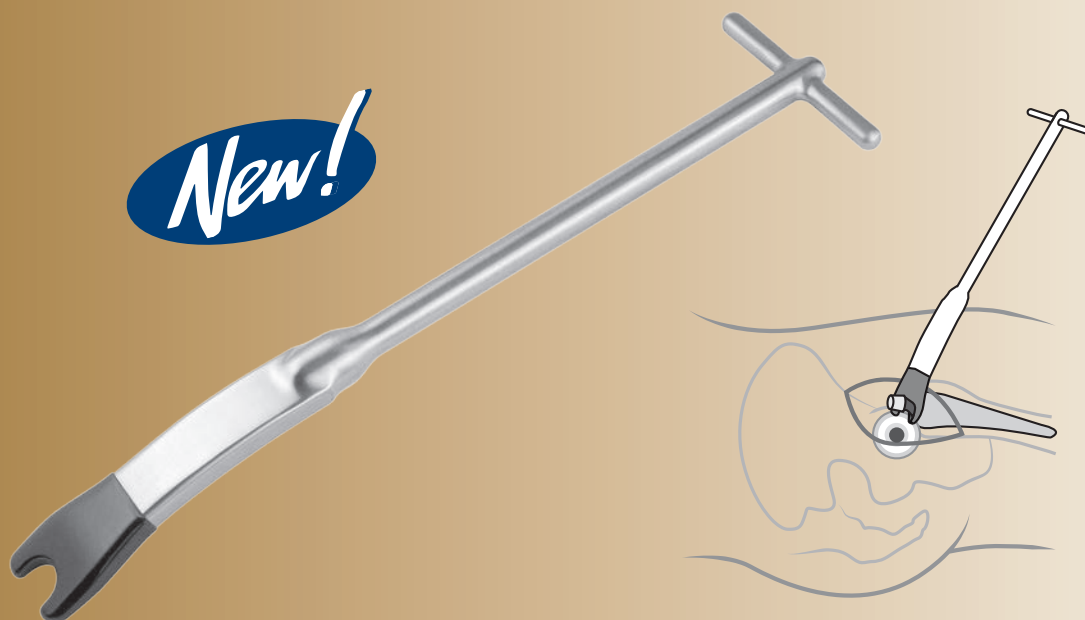
Overall Length: 10.5" (26,7 cm)

Scoop Length: 3" (7,6 cm)

Scoop Width: 29 mm



**New!**



## Doroodchi Coated Femoral Neck Mating Guide

Designed by Hamidreza Doroodchi, MD

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

### PRODUCT NO:

3419

Overall Length: 11.75" (29,8 cm)

Blade Width: 1.125" (29 mm)



## Femoral Head Disengaging Punch

Designed by Brandon Thompson, CST/CFA

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

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

### PRODUCT NO:

8626

Overall Length: 9" (22,9 cm)

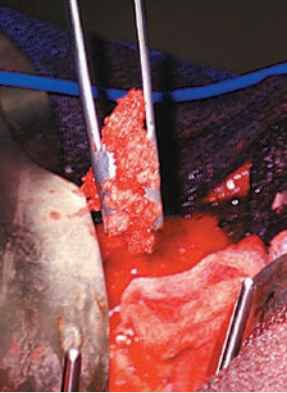
Shaft Diameter: .5" (12,7 mm)

Punch Platform Offset Angle: 30°

Punch Platform Delrin End: 10 mm x 20 mm



**New!**



## Universal Bone Grafting/Impacting Forceps

Designed by J. A. Amis, MD

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.



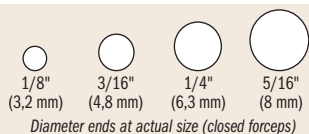
*Bone graft can be grasped, placed & impacted without changing hands or instruments*

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



### PRODUCT NO'S:

Short: 6" (15,2 cm) Length	Long: 10" (25,4 cm) Length
5010-01 1/8" (3,2 mm) Diameter End	5050-01 1/8" (3,2 mm) Diameter End
5010-02 3/16" (4,8 mm) Diameter End	5050-02 3/16" (4,8 mm) Diameter End
5010-03 1/4" (6,3 mm) Diameter End	5050-03 1/4" (6,3 mm) Diameter End
5010-04 5/16" (8 mm) Diameter End	5050-04 5/16" (8 mm) Diameter End

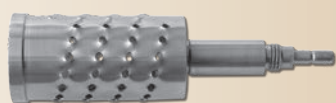
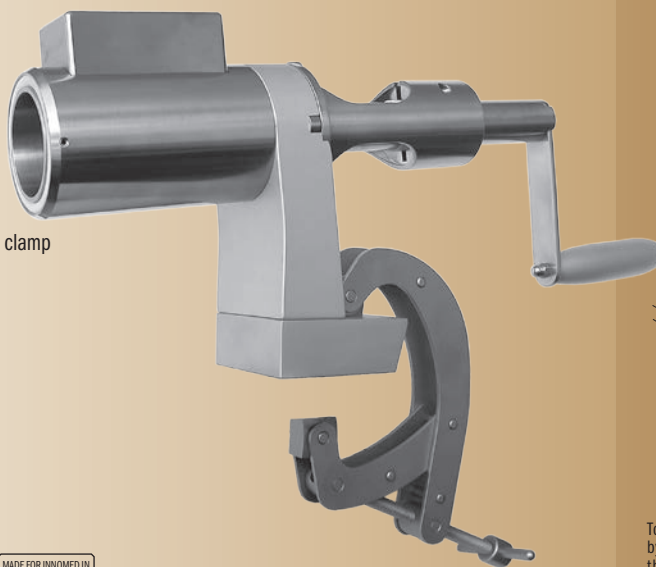


MADE EXCLUSIVELY FOR INNOMED IN GERMANY

## Bone Mill

*Used to produce allograft material*

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



Cutting Cylinder



Push Block

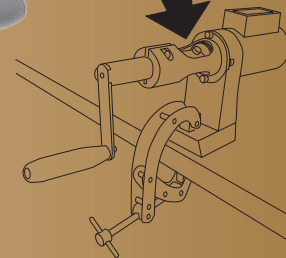
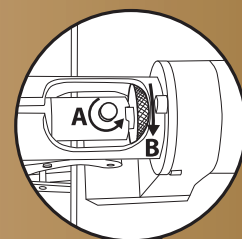
### PRODUCT NO'S:

8205 [Complete Unit including 2 Cylinders and Clamp]  
Overall Length (without crank): 12" (30,5 cm)

### Replacement Cutting Cylinders:

8205-01 [3.2 mm Hole Diameter/5 Cutting Rows]
8205-02 [4.2 mm Hole Diameter/4 Cutting Rows]

MADE FOR INNOMED IN GERMANY

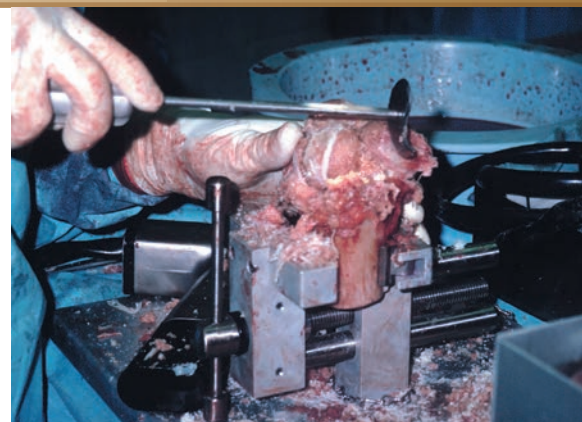


To remove cylinder: loosen small knob (A) by turning counter-clockwise, then loosen the large knob (B) by turning clockwise. Reverse these instructions to install new cylinder.

## Allograft Bone Vise

*Holds allograft bone for reaming, shaping or cutting*

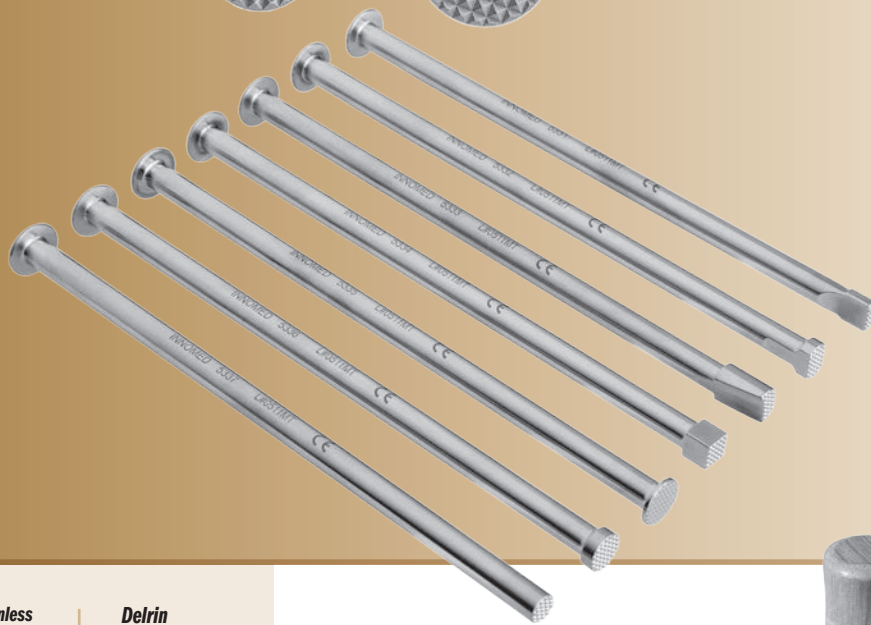
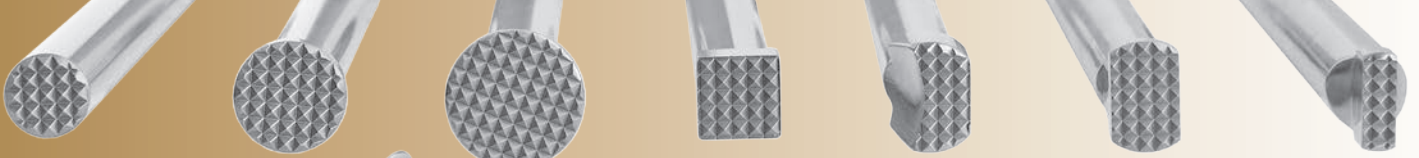
The vise is designed with two sets of vise jaws for reaming of two femoral heads and also for holding a long bone horizontally and vertically. The base plate is designed with a table flange for stabilization during use. The vise is completely autoclavable.



### PRODUCT NO:

8215  
Base Dimensions: 8.25" x 11" (21 cm x 27,9 cm)

USA MADE



## Ortho Impactors

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



**Stainless**  
Impactor Sizes



**Delrin**  
Impactor Sizes



## Modular Impactor Set

*Makes multiple impactor heads easily visible and available*

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

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



## Bone Graft Impactors

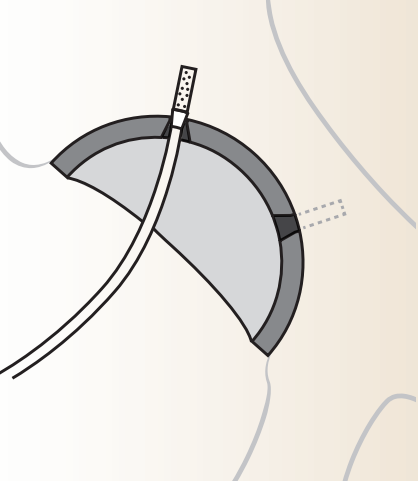
*Tap bone graft or bone parts into place with minimal bone trauma*

PRODUCT NO'S:	
5310 [Round]	
Head Diameter: 12,5 mm	
Overall Length: 9,5" (24,1 cm)	
Handle Length: 4,25" (10,5 cm)	
5320 [Square]	
Head Dimensions: 10 mm x 10 mm	
Overall Length: 9,5" (24,1 cm)	
Handle Length: 4,25" (10,5 cm)	
5325 [Square with Delrin Tip]	
Head Dimensions: 10 mm x 10 mm	
Overall Length: 9,5" (24,1 cm)	
Handle Length: 4,25" (10,5 cm)	
5330 [Rectangular]	
Head Dimensions: 10 mm x 3 mm	
Overall Length: 9,5" (24,1 cm)	
Handle Length: 4,25" (10,5 cm)	



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





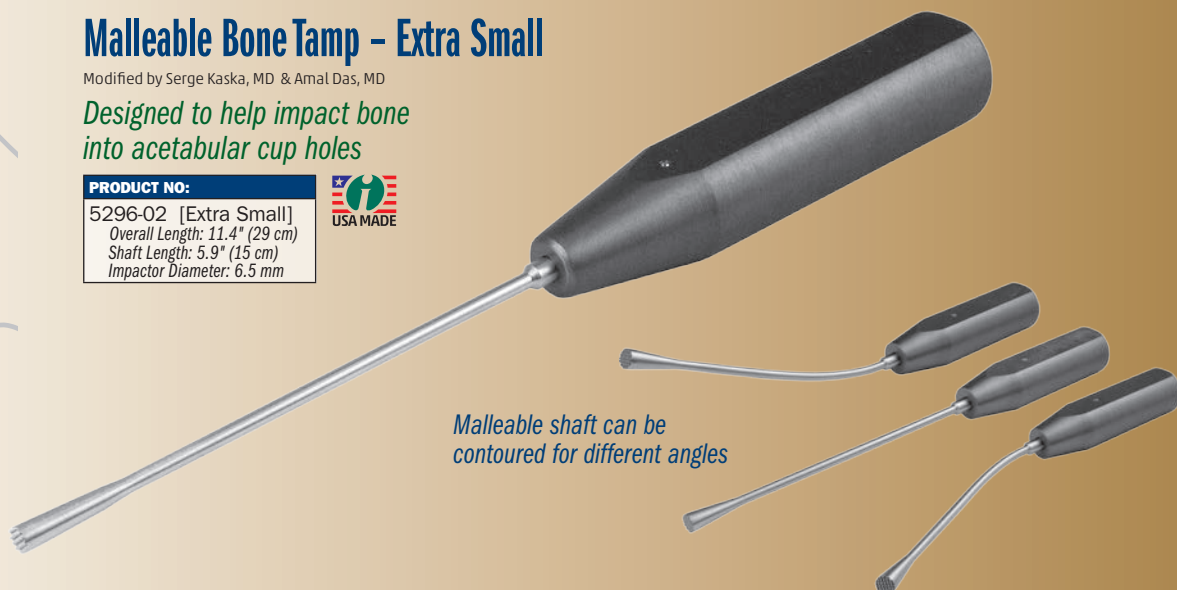
## Malleable Bone Tamp – Extra Small

Modified by Serge Kaska, MD & Amal Das, MD

*Designed to help impact bone into acetabular cup holes*

### PRODUCT NO:

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



*Malleable shaft can be contoured for different angles*



## Desai Surgical Funnel

Designed by Sarang Desai, DO

*Helps with control and placement of bone graft*

Made from surgical grade stainless steel (for sterilization).



Profile View

### PRODUCT NO:

8989  
Overall Length: 6.25" (15,9 cm)  
Handle Length: 3.25" (8,3 cm)  
Funnel Diameter at Top: 3" (7,6 cm)  
Funnel Flow-thru Diameter: 11 mm



## Namba Bone Graft Slide

Designed by Robert S. Namba, MD

*Helps to efficiently guide allograft material into the acetabulum*

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



### PRODUCT NO'S:

6888  
Overall Length: 7.75" (19,7 cm)



## Flexible Ball Nose Reamer

Designed by Stu Allen

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

Recommended for use with a guide wire.  
Cannulated to allow guide wire use.

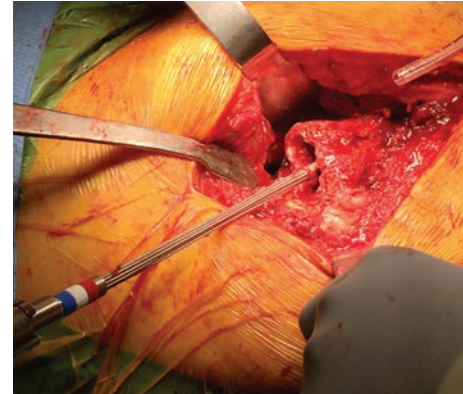
### PRODUCT NO:

2628

Overall Length: 10" (25,4 cm)  
Reamer Diameter: 7,5 mm



*New!*



## Lombardi Cement/Antibiotic Sifter

Designed by Adolph V. Lombardi Jr., MD



### PRODUCT NO:

5215

Overall Length: 14" (35,6 cm)  
Sifter Diameter: 5" (12,7 cm)



## Surgical Spoon

Designed by David Scott, MD

*Very useful for the application of  
methylmethacrylate bone cement*

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

### PRODUCT NO:

8209

Overall Length: 5.875" (14,9 cm)



*New!*



## Rotating Offset Handle Hex Driver

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



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

### PRODUCT NO:

7241

Overall Length: 13.5" (34,3 cm)



## Star Bit Driver Set

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



Set in Storage Case



### PRODUCT NO'S:

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

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

Also sold individually:

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

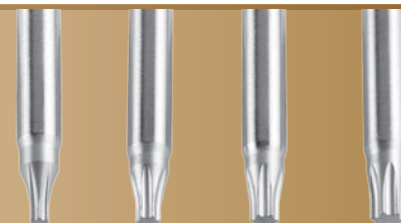
5194-10 [T10 with A/O End]

5194-15 [T15 with A/O End]

5194-20 [T20 with A/O End]

5194-25 [T25 with A/O End]

9003 [Case]



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



## Universal Screwdriver Set

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

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

### PRODUCT NO'S:

5195 [Complete Set with Case]

Also sold individually

5195-01 [Handle]

5195-02 [Straight (single slot)]

Large: 7 x 1.5 mm, Small: 5 x 1 mm

5195-03 [Cross/Cruciate]

Large: 7 mm, Small: 6 mm

5195-04 [Hex]

Large: 4.5 mm, Small: 3.5 mm

5195-05 [Phillips]

Large: 4 mm, Small: 3.5 mm

5195-08 [Small Star: #6 & #8]

5195-06 [Medium Star: #10 & #15]

5195-07 [Large Star: #20 & #25]

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

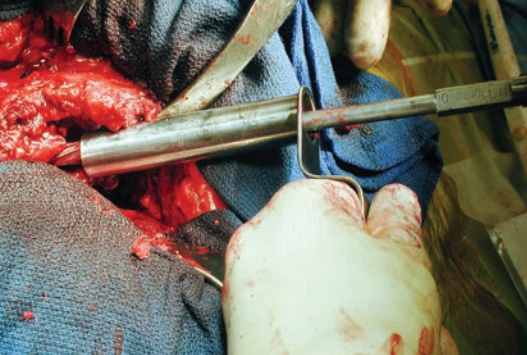
- ▶ small & large single slot
- ▶ cross & cruciate
- ▶ 3.5 mm & 4.5 mm hex
- ▶ small & large phillips
- ▶ #6 & #8 star
- ▶ #10 & #15 star
- ▶ #20 & #25 star



**New!**  
SMALL STAR STYLE AVAILABLE

**New!**





**PRODUCT NO'S:**

5480-01

*Inside Diameter: 19 mm*

*Overall Length: 6.5" (16,5 cm)*

*Tube Depth: 3.875" (9,8 cm)*

5480-02

*Inside Diameter: 24 mm*

*Overall Length: 6.5" (16,5 cm)*

*Tube Depth: 3.875" (9,8 cm)*



## Tissue Protector

*Helps protect tissue when a straight reamer is being used*

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

## Clear Vision Debris Shield

Designed by R. Barry Sorrells, MD

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

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

**PRODUCT NO'S:**

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

8031-01 [Without Reamer Slot]

8033-01 [With Reamer Slot]



## Lombardi Taper Cleaner

Designed by Adolph V. Lombardi Jr., MD

*Designed to help clean a hip stem taper of corrosive by-products prior to placement of the new femoral head*

**PRODUCT NO'S:**

*Overall Length: 2.125" (5,4 cm)*

*Outside Diameter: 1" (2,54 cm)*

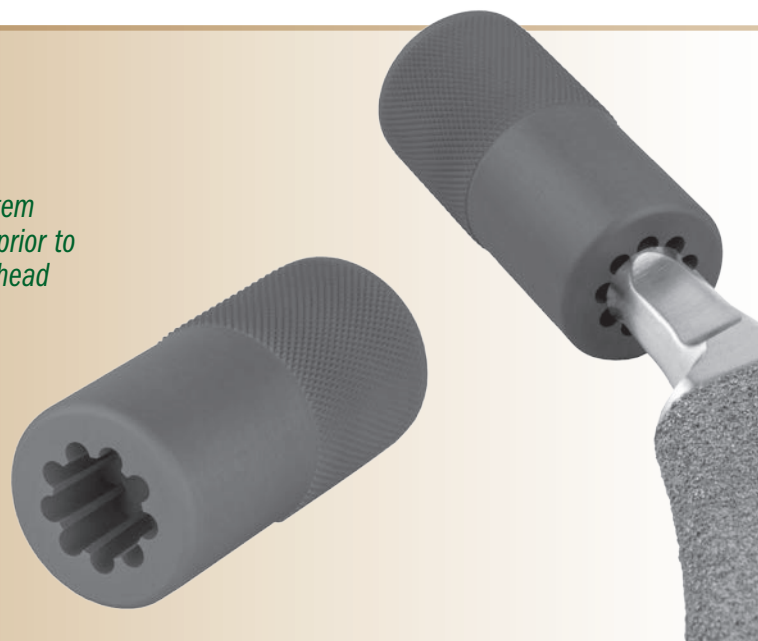
8034 Short Taper 11,3/12,2 mm

8034-01 Long Taper 11,4/13,4 mm

8035-01 11/13 mm

8035-02 12/14 mm

8035-03 14/16 mm



## Curved Femoral Head Impactor

Designed by Amiee Zirpel

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

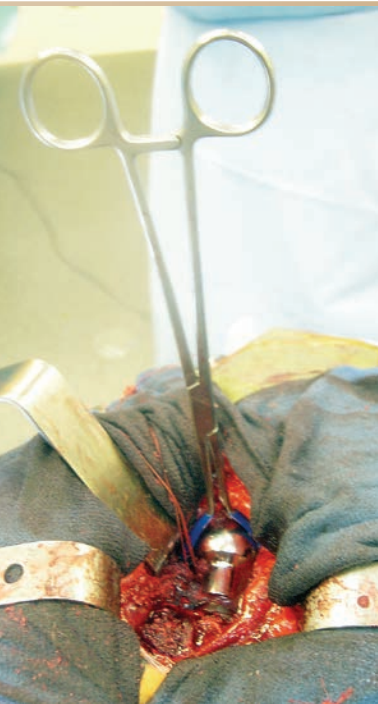
The curved offset handle allows the head impactor to be slid under the skin of a small incision, and helps provide hand-held stability and maneuverability within the wound, while the impaction platform is easily accessible outside the wound. The impaction disc is made of delrin, which helps prevent marring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



### PRODUCT NO:

3644

Overall Length: 7.25" (18,4 cm)

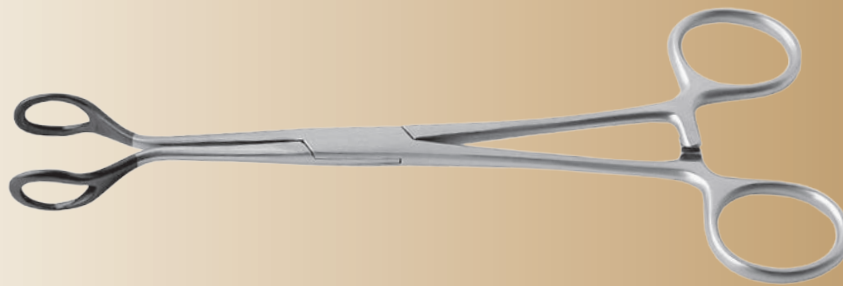


## Modular Head Holder

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

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

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



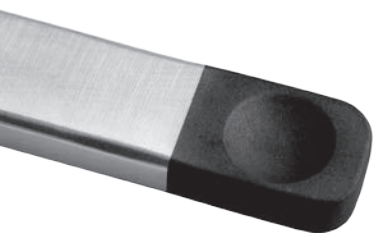
### PRODUCT NO'S:

8290-01

Overall Length: 7" (17,8 cm)

8290-02

Overall Length: 9" (22,9 cm)



## Taper Head Impactor

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

*Designed to impact a modular head during minimally invasive THR*

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



### PRODUCT NO:

7840

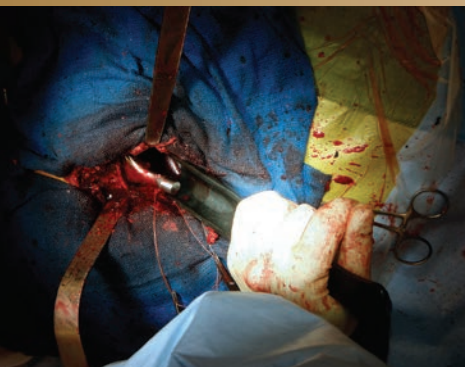
Overall Length: 12" (30,5 cm)



## Namba Hip Slide

Designed by Robert S. Namba, MD

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



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

*Facilitates MIS hip replacement procedures*

*Smallest size now accommodates up to 40 mm*

### PRODUCT NO'S:

Overall Length: 12" (30,5 cm)

6890 For 22-40 mm heads

6891 For 40-48 mm heads

6892 For 50-60 mm heads



## Blair Acetabular Cup Positioner

Designed by Christopher Blair, DO

*Designed to help adjust the position of an acetabular cup*



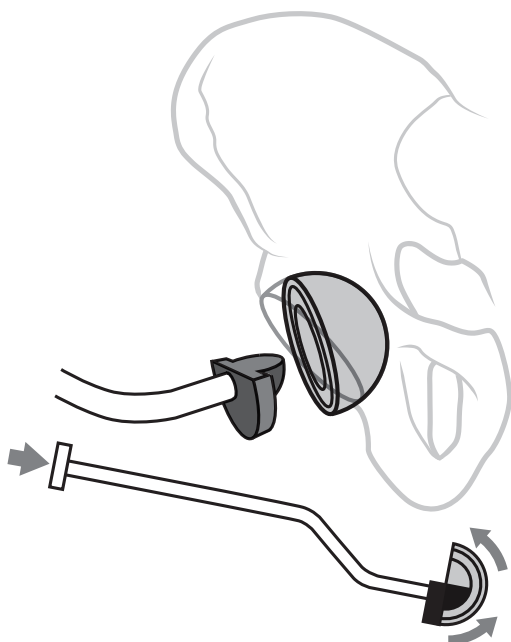
### PRODUCT NO:

4159

Overall Length: 11.5" (29,2 cm)

Shaft Offset: 1" (2,54 cm)

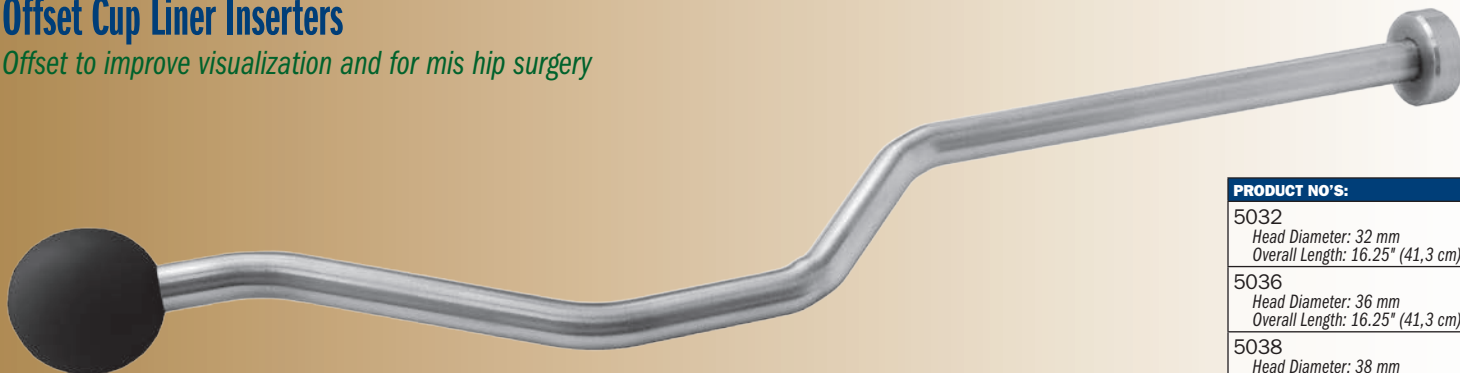
Head Diameter: 1.75" Inside (4,4 cm / 2" Outside (5,1 cm)



*New!*

## Offset Cup Liner Inserters

*Offset to improve visualization and for mis hip surgery*



*Three sizes available*

### PRODUCT NO'S:

5032

Head Diameter: 32 mm

Overall Length: 16.25" (41,3 cm)

5036

Head Diameter: 36 mm

Overall Length: 16.25" (41,3 cm)

5038

Head Diameter: 38 mm

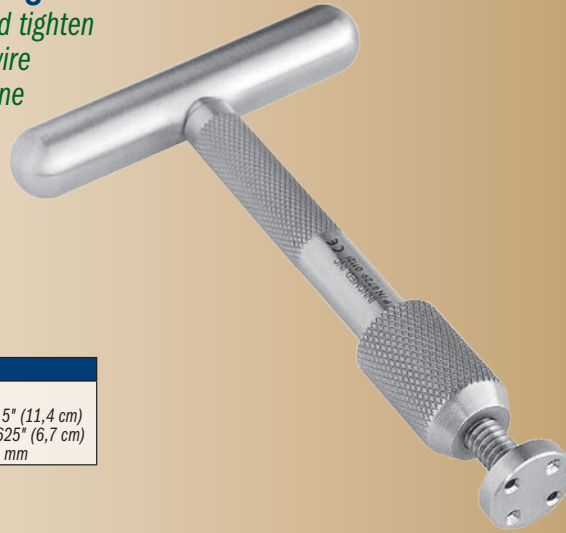
Overall Length: 16.25" (41,3 cm)





## DMP Wire Tightener

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



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

Designed by DMP

### PRODUCT NO:

8729

Overall Length: 4.5" (11.4 cm)

Handle Width: 2.625" (6.7 cm)

End Diameter: 15 mm



## Incavo Wire Passer

Designed by Stephen J. Incavo, MD



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

### PRODUCT NO'S:

8610-01 [Small]

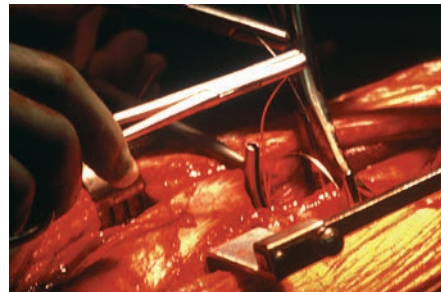
Overall Length: 7.5" (19.1 cm)

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

8610-02 [Large]

Overall Length: 8.675" (21.9 cm)

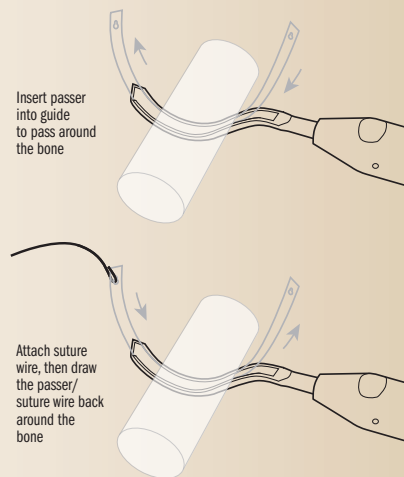
Accepts Wire Up To: 4 mm (5/32")



## 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*



### PRODUCT NO'S:

8300-00 [Set]

**Also available individually:**

8300-01 [Passer Guide]

Overall Length: 8.125" (20.6 cm)

Outside Width: 9 mm

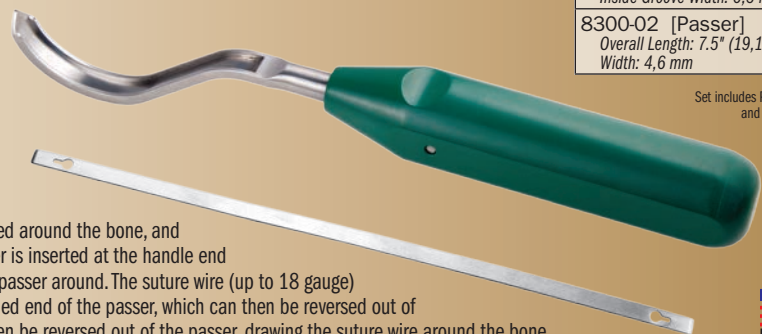
Inside Groove Width: 6.5 mm

8300-02 [Passer]

Overall Length: 7.5" (19.1 cm)

Width: 4.6 mm

Set includes Passer Guide and two Passers.



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.





## Browner Wire Tightener

Designed by Bruce D. Browner, MD

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

### PRODUCT NO:

8251

Overall Length: 6" (15,2 cm)

Width: 3.75" (9,5 cm)

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



## Nordt Precision Micro Fracture Set

Designed by William E. Nordt, III, MD

- ▶ Helps create sharp cartilage shoulders
- ▶ Precise microfracture points

### PRODUCT NO'S:

8025-00 [Complete Set]

*Also available individually:*

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

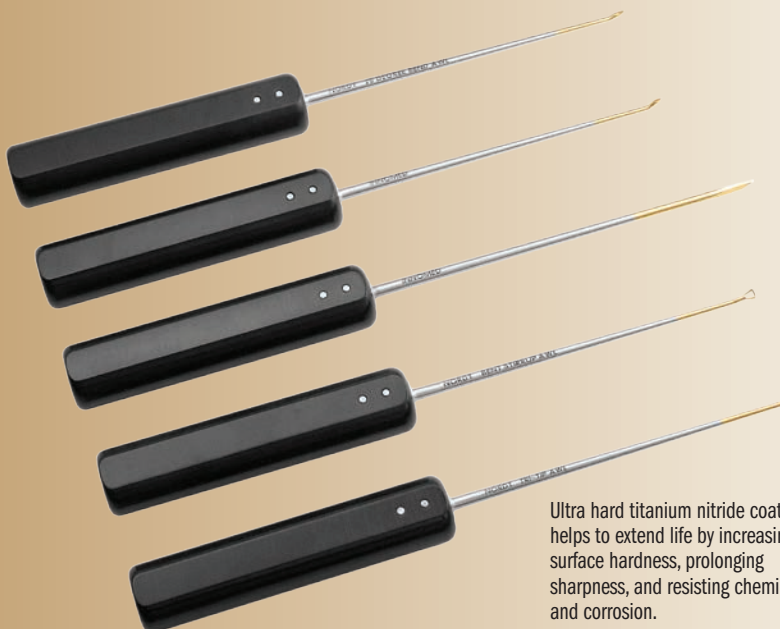
8025-02 [40° Bent Awl]  
Overall Length: 10" (25,4 cm)

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

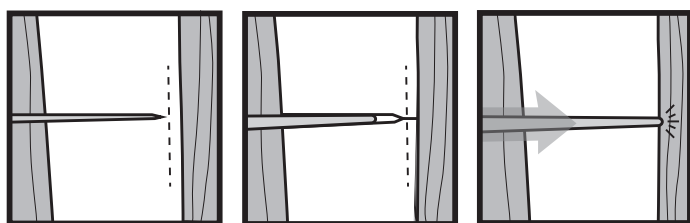
8025-04 [Bent Stirrup Scraper]  
Overall Length: 10.125" (25,7 cm)

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

8025-CASE [Case]



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



## Paulos Osteo Wedge

Designed by Lonnie E. Paulos, MD

*Designed to help cut and separate bone segments for angular corrections of long bones*

After an initial bone cut has been made with a saw blade or sharp osteotome—but before penetrating through it—the osteo wedge can be used to help complete the bone cut through the opposite cortex by splitting the bone.

If the osteo wedge does penetrate, it is blunt and rounded, helping to prevent damage to the soft tissues and other structures contiguous to the bone cortex.

The osteo wedge can be used anytime both cortices of a bone are osteotomized. Helpful when correcting mal-unions, growth deformities, collecting bone graft material, etc. Can be used on the femur, tibia, humerus, clavicle, calcaneus, metatarsals/metacarpals, pelvis, and vertebral bodies.

### PRODUCT NO:

6425-03

Overall Length: 9.375" (23,8 cm)

Blade Width: 37.8 mm



## 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



## Chen Diaphyseal Fracture Reduction Clamp

Designed by Franklin Chen, MD

*Designed to facilitate and maintain reduction of the internal fixation of diaphyseal and meta-diaphyseal fractures of long bones*

Works especially well with short oblique bones while providing room to implement the plate with this bone clamp still in place.

- ▶ Pivoting pads accommodate metaphyseal fractures
- ▶ The quick release enables adjustment without losing reduction
- ▶ Helps provide provisional reduction of diaphyseal fractures - humeral shaft fractures, tibial fractures

### 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)



## Radiolucent Small Bone Clamp

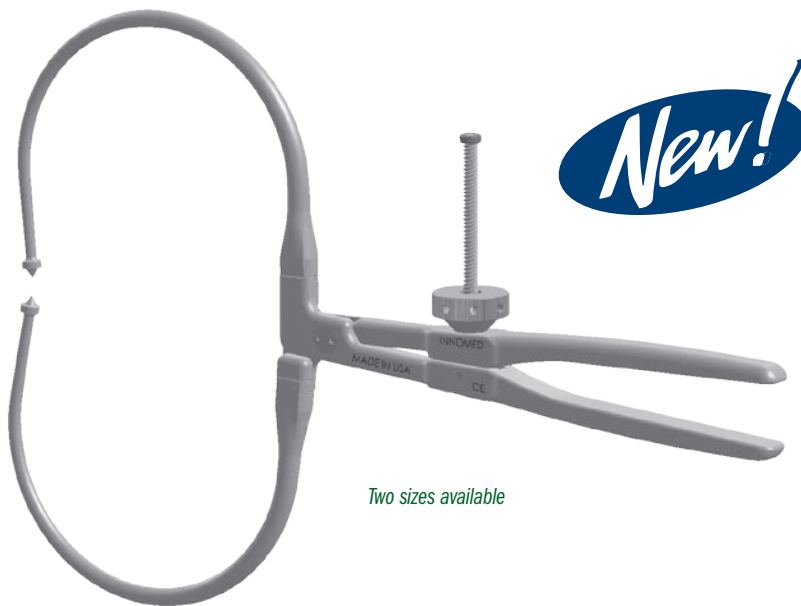
Carbon fiber material is strong, lightweight, completely radiolucent, can be steam sterilized, and helps to prevent from marring component surfaces.

### PRODUCT NO:

1828

Overall Length: 7" (17,8 cm)





Two sizes available

## Periarticular Reduction Forceps

*Designed for reduction of intraarticular and periarticular fractures*

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

### PRODUCT NO'S:

**1856 [Medium]**  
Overall Length: 14" (35,6 cm)  
Width @ Tips Parallel: 10.5" (26,7 cm)  
Maximum Jaw Opening @ Tips: 5.2" (13,2 cm)

**1857 [Large]**  
Overall Length: 18.8" (47,8 cm)  
Width @ Tips Parallel: 12" (30,5 cm)  
Maximum Jaw Opening @ Tips: 7.3" (18,5 cm)



## Stoll Bone Plate Clamp

Designed by Jordan Stoll, MD

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



### PRODUCT NO:

**1774**  
Overall Length: 10" (25,4 cm)



## Weinert Bone Holding Reduction Clamp

Designed by Carl R. Weinert, MD

*Designed to securely hold fracture reductions*

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



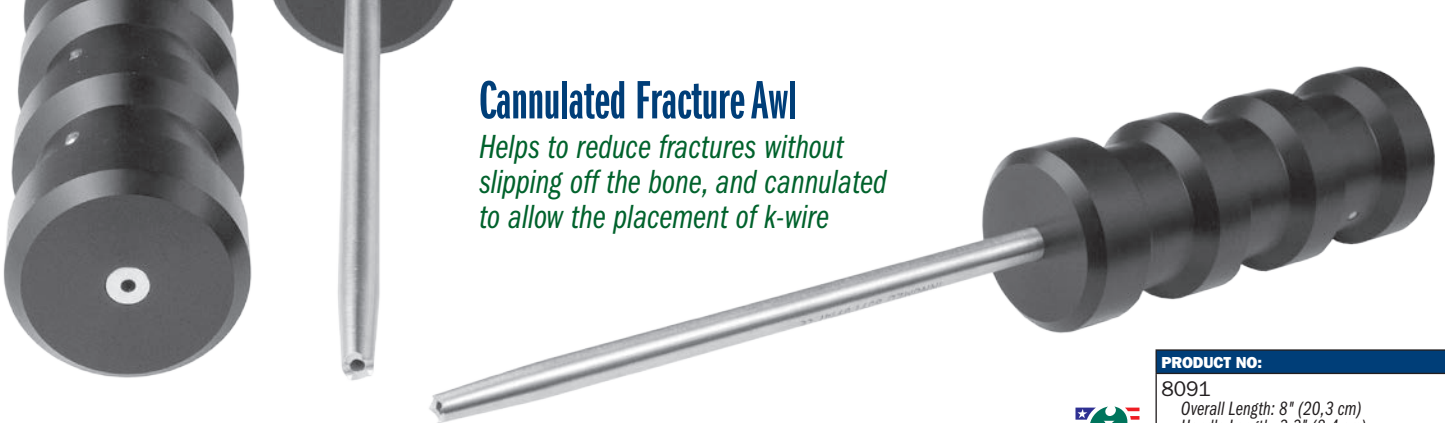
### PRODUCT NO:

**1755**  
Overall Length: 8.5" (21,6 cm)  
Jaw opens to: 3" (7,6 cm)



## Cannulated Fracture Awl

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



### PRODUCT NO:

8091

Overall Length: 8" (20,3 cm)  
Handle Length: 3.3" (8,4 cm)  
Cannula fits wire up to: .062" (1,6 mm)



## Soft Impact Mallets with Easy Grip Handles

*Provides shock-absorbing force*

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

### PRODUCT NO'S:

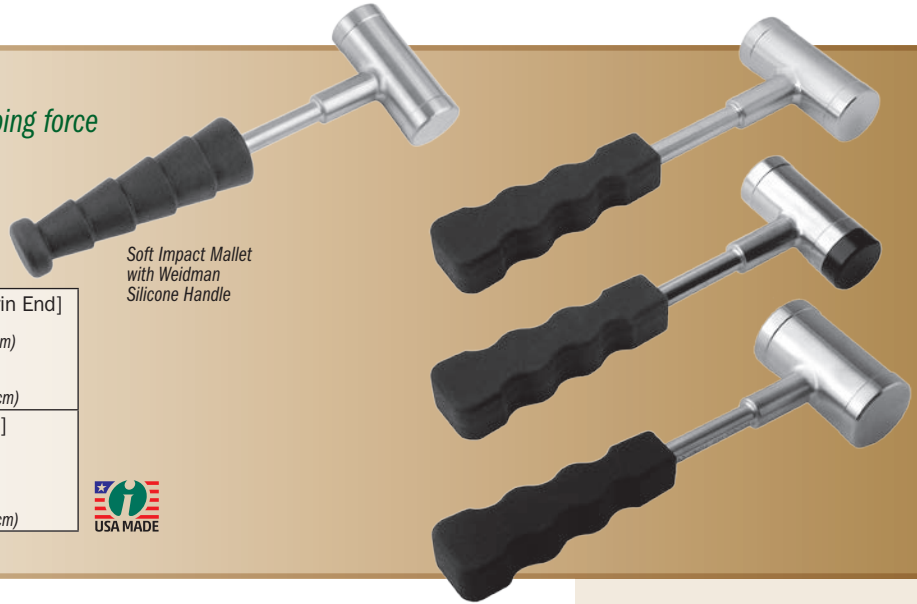
7820 [2 lbs. Standard]  
Weight: 2 lbs. (.907 kg)  
Overall Length: 10.5" (26,7 cm)  
Handle Length: 5" (12,7 cm)  
Head Width: 3.5" (8,9 cm)  
Head Diameter: 1.375" (3,5 cm)

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

7832 [2 lbs. With Delrin End]  
Weight: 2 lbs. (.907 kg)  
Overall Length: 10.5" (26,7 cm)  
Handle Length: 5" (12,7 cm)  
Head Width: 3.5" (8,9 cm)  
Head Diameter: 1.375" (3,5 cm)

7837 [3 lbs. Standard]  
Weight: 3 lbs. (1,35 kg)  
Overall Length: 11" (27,9 cm)  
Handle Length: 5" (12,7 cm)  
Head Width: 3.5" (8,9 cm)  
Head Diameter: 1.875" (4,8 cm)

Soft Impact Mallet  
with Weidman  
Silicone Handle



## Ortho Mallets

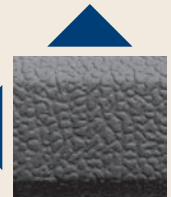
*with Easy Grip Handles*

These solid stainless steel mallets each have a comfortable 4 1/2" grip made of a textured silicone that helps prevent the surgeon's gloved hand from slipping and helps maintain a solid grip.

### PRODUCT NO'S:

7810 [Small]  
Overall Length: 8" (20,3 cm)  
Handle Length: 4.5" (11,4 cm)  
Head Weight: 1 lb. (.45 kg)  
Head Diameter: 1.3125"

7815 [Large]  
Overall Length: 8" (20,3 cm)  
Handle Length: 4.5" (11,4 cm)  
Head Weight: 1.75 lb. (.8 kg)  
Head Diameter: 1.5" (3,8 cm)



## Easy Grip Textured Soft Silicone Handles

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

## Jones Mallet

Designed by Dickie Jones, MD

*Unique hand fitting shape provides superior gripping strength*

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

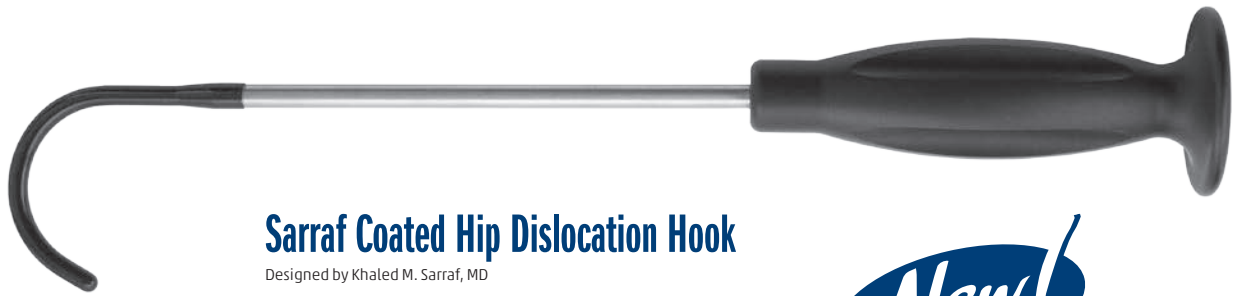


### PRODUCT NO:

7825 [2.4 lbs]

Overall Length: 8.25" (21 cm)  
Head Width: 3" (7,6 cm)  
Head Diameter: 1.5" (3,8 cm)





## Sarraf Coated Hip Dislocation Hook

Designed by Khaled M. Sarraf, MD

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

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

**New!**



### PRODUCT NO'S:

5905

Overall Length: 12.5" (31,8 cm)

## Bone Hooks

Designed by R.L. Wixson, MD

### PRODUCT NO'S:

5910 [Small]

Curve Diameter: 25 mm

Overall Length: 12.75" (32,4 cm)

Handle Length: 4.75" (12,1 cm)

5915 [Medium]

Curve Diameter: 35 mm

Overall Length: 12.75" (32,4 cm)

Handle Length: 4.75" (12,1 cm)

5920 [Large]

Curve Diameter: 50 mm

Overall Length: 12.75" (32,4 cm)

Handle Length: 4.75" (12,1 cm)

5920-01 [Large w/  
Cable/Wire Hole]

Designed by: R.L. Wixson, MD & J. McCarthy, MD

Cable/Wire Hole Diameter: 2 mm

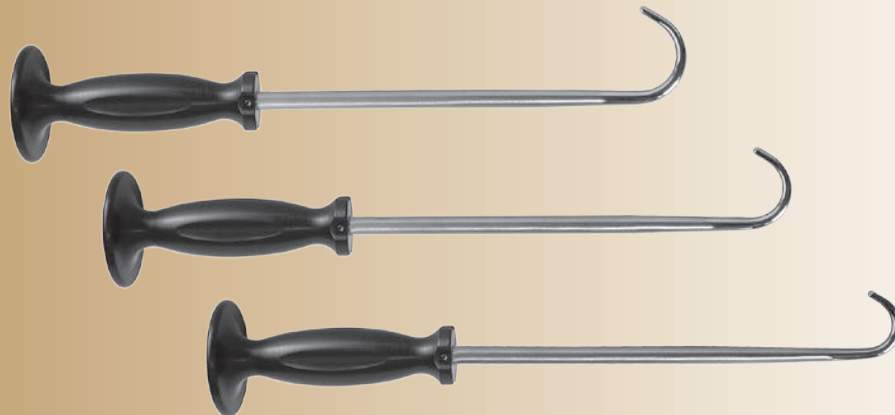
Curve Diameter: 50 mm

Overall Length: 12.75" (32,4 cm)

Handle Length: 4.75" (12,1 cm)



Ends drawn at actual size



## Lombardi Bone Hooks

Designed by Adolph V. Lombardi, MD

### PRODUCT NO'S:

5925 [Small]

Curve Diameter: 25 mm

Overall Length: 10" (25,4 cm)

5930 [Medium]

Curve Diameter: 35 mm

Overall Length: 10" (25,4 cm)

5935 [Large]

Curve Diameter: 55 mm

Overall length: 10" (25,4 cm)



Ends drawn at actual size

Small

Medium

Large



## Sarraf Spearhead Cement Exciser

Designed by Khaled M. Sarraf, MD

*Two-in-one instrument designed for cement removal during arthroplasty surgery*

**PRODUCT NO:**  
5211  
Overall Length: 7.75" (19,7 cm)



- ▶ The curved semicircular tip is congruent to most tibial plates and femoral condylar implants, helping to facilitate removal of excess cement, especially at the tight posterior aspect
- ▶ The spearhead tip assists in excising and shaping the unset cement
- ▶ Ultra hard titanium nitride coating helps to extend curette life by increasing surface hardness, prolonging sharpness, and resisting chemicals and corrosion, while helping to eliminate metal transfer and protect the implant surface



- ▶ The curved semicircular tip is congruent to most tibial plates and femoral condylar implants, helping to facilitate removal of excess cement, especially at the tight posterior aspect
- ▶ The small scoop-end tip assists in excising unset cement
- ▶ Ultra hard titanium nitride coating helps to extend curette life by increasing surface hardness, prolonging sharpness, and resisting chemicals and corrosion, while helping to eliminate metal transfer and protect the implant surface



## Sarraf Cement Trimmer

Designed by Khaled M. Sarraf, MD

*Two-in-one instrument designed for cement removal during arthroplasty surgery*

**PRODUCT NO:**  
5212  
Overall Length: 7.75" (19,7 cm)



## Robb Cement Curette

Designed by William Robb, MD

*Designed to help remove cement around a hip or knee prosthesis*

**PRODUCT NO:**  
5635  
Overall Length: 8" (20,3 cm)  
Freer End: 5 mm  
Cup End: 10 mm

Made of Delrin

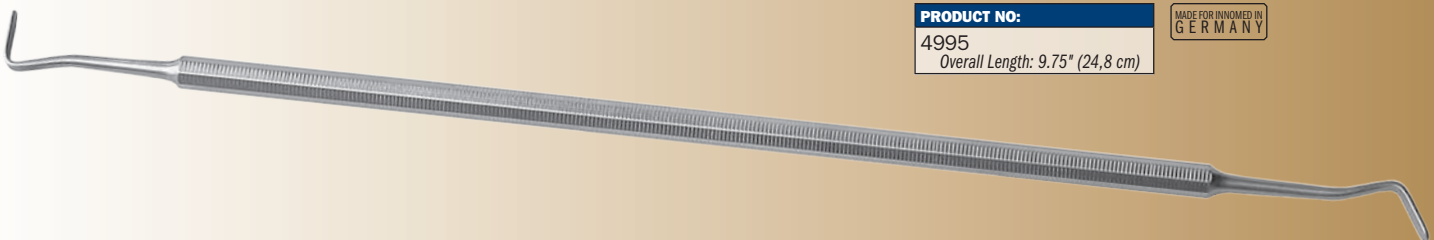


## Cement Packer & Trimmer

Designed by Harlan C. Amstutz, MD

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

MADE FOR INNOMED IN GERMANY



## Beicker Curette Suction Device

Designed by Clint Beicker, MD

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

Also useful for arthroscopic curettage of osteochondral lesions.

### PRODUCT NO:

4231 [Small]  
Overall Length: 10.5" (26,7 cm)  
Curette Cup: 7.5 cm x 5.5 cm



*New!*



## Sarraf TiN Coated Cement Removal Forceps

Designed by Khaled M. Sarraf, MD

### PRODUCT NO'S:

5039  
Overall Length: 6" (15,2 cm)  
5041  
Overall Length: 6.125" (15,6 cm)



Ultra hard titanium nitride coating helps to extend forceps life by increasing surface hardness, prolonging sharpness, and resisting chemicals and corrosion, while helping to eliminate metal transfer and protect the implant surface.

## Bozeman Cement Trimmer

Designed by Daniel M. Gannon, MD

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

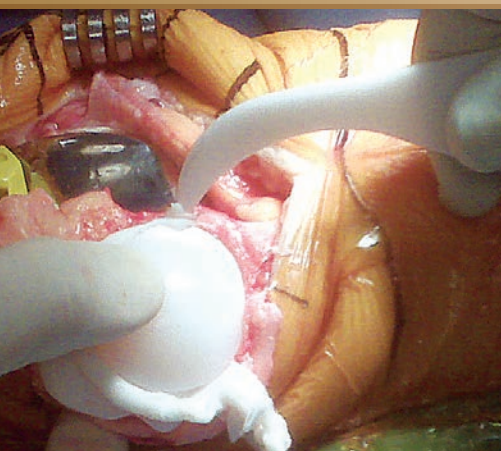


*Combines the two most common cement trimming tools into one*

### PRODUCT NO:

5245  
Overall Length: 8.5" (21,6 cm)

MADE EXCLUSIVELY  
FOR INNOVEM IN  
GERMANY



## Seachris Delrin Cement Scraper

Designed by Timothy Seachris

*Reusable delrin scraper is designed to help remove cement around a knee or hip prosthesis*

### PRODUCT NO:

5218  
Overall Length: 5" (12,7 cm)  
Thickness: 1/8" (3,1 mm)



## Protect your hands!

# Radiation Attenuating Surgical Gloves

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

### Reduced Exposure

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

### Freedom of Movement

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

### Natural Latex Free & Powder-Free

Reduced risk of natural rubber latex allergies.

### Quality Guaranteed

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

### Applications

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

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



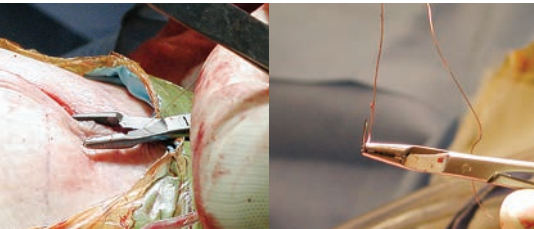
Average Radiation Attenuation Levels Measured in the Direct Beam

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

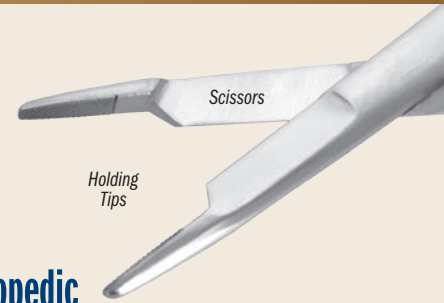
**NOTE: Double gloving with conventional latex surgical gloves provides only 1% attenuation.**  
Levels are measured by a fixed filter equivalent: 2.5 mm Al

### PRODUCT NO'S:

5 PAIRS/PACK	25 PAIRS/PACK
7505-01 6.5	7505-02 6.5
7510-01 7.0	7510-02 7.0
7515-01 7.5	7515-02 7.5
7520-01 8.0	7520-02 8.0
7525-01 8.5	7525-02 8.5
7530-01 9.0	7530-02 9.0



*Longer sizes are helpful in orthopedics*



## Orthopedic Needle Holder/Scissors

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

### PRODUCT NO'S:

Standard Tips	Tungsten Carbide Tips
	3045 4.5" (11.4 cm)
3050 5.5" (14 cm)	3055 5.5" (14 cm)
3060 6.5" (16.5 cm)	3065 6.5" (16.5 cm)
3070 7.0" (17.8 cm)	3075 7.0" (17.8 cm)

MADE FOR INNOMED IN GERMANY

## Stanton Needle Driver

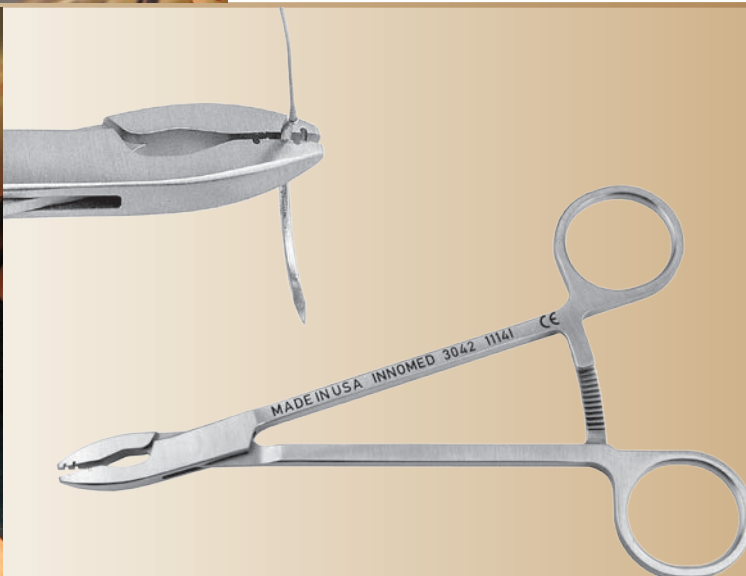
Designed by John L. Stanton, MD, FACS

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

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

### PRODUCT NO:

3042
Overall Length: 6.75 (17.1 cm)
Jaw Width: .25" (6.3 mm)



## 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.

Available with or without teeth



PRODUCT NO'S:	
WITH TEETH	
3432	[1/2" with Teeth] Overall Length: 11" (27,9 cm) Blade Width: 1/2" (13 mm)
3434	[1" with Teeth] Overall Length: 11" (27,9 cm) Blade Width: 1" (25,4 mm)
WITHOUT TEETH	
3436	[1/2" without Teeth] Overall Length: 11" (27,9 cm) Blade Width: 1/2" (13 mm)
3438	[1" without Teeth] Overall Length: 11" (27,9 cm) Blade Width: 1" (25,4 mm)

## Bradley Periosteal Elevator

Designed by Gary W. Bradley, MD

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



## Periosteal Elevator

*Designed for better control*

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

PRODUCT NO'S:	
3450	[Curved] Overall Length: 7.5" Handle Length: 4.5" (11,4 cm) Blade Size: 16x13 mm
3455	[Straight] Overall Length: 7.75" Handle Length: 4.5" (11,4 cm) Blade Size: 19x14 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



## Adson Forceps with Cobb Elevator End

Designed by Oscar Castro-Aragon, MD

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

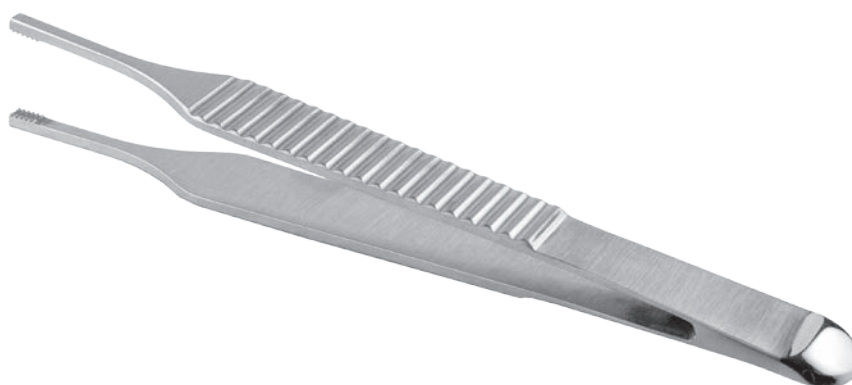
Allows the opportunity to do soft tissue dissection, cleaning of the bone or bone fragments in a fracture, push bone fragments to hold a reduction in a fracture, separate soft tissue, and turn it around to pick up tissue without having to switch instruments back and forth.

### PRODUCT NO:

1166

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

MADE EXCLUSIVELY  
FOR INNOMED IN  
GERMANY



## Mini-Ilexer Osteotomes

*Helpful in osteophyte and cement removal*

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

### PRODUCT NO'S:

5270-01

Blade Width: 4 mm  
Overall Length: 7.25" (18,4 cm)  
Handle Length: 4" (10,2 cm)

5270-03

Blade Width: 10 mm  
Overall Length: 7.25" (18,4 cm)  
Handle Length: 4" (10,2 cm)

5270-02

Blade Width: 6 mm  
Overall Length: 7.25" (18,4 cm)  
Handle Length: 4" (10,2 cm)

5270-04

Blade Width: 12 mm  
Overall Length: 7.25" (18,4 cm)  
Handle Length: 4" (10,2 cm)

MADE FOR INNOMED IN  
GERMANY



## Universal Multi-Nut Wrench

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



### PRODUCT NO:

5074

Overall Length: 7" (17,8 cm)  
Wrench End: 3/4" to 1/4" (19 mm to 6.4 mm)



## Freeman Forceps

Designed by Carl R. Freeman, MD

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

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

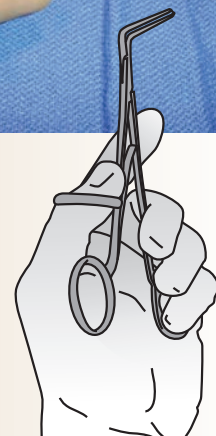
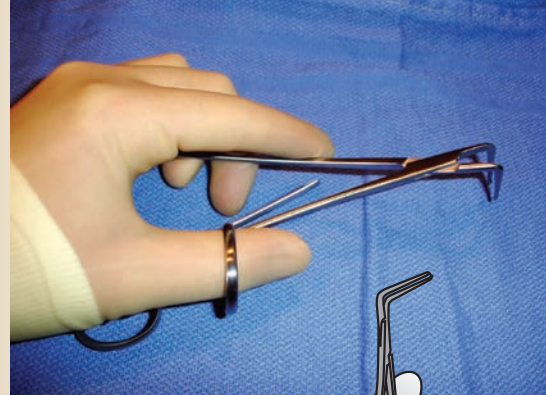


PRODUCT NO:

1174

Overall Length: 6.875" (17,5 cm)

MADE EXCLUSIVELY  
FOR INNOMED IN  
GERMANY



## Long Bonney Tissue Forceps

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



PRODUCT NO:

5040

Overall Length: 10" (25,4 cm)

MADE EXCLUSIVELY  
FOR INNOMED IN  
GERMANY

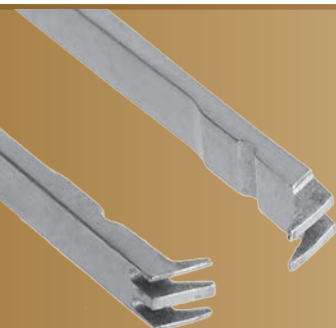


## Charnley Type Tissue Needle Forceps

Designed by Amal Das Jr., MD

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

Can also help retrieve a needle in a tight area.



MADE EXCLUSIVELY  
FOR INNOMED IN  
GERMANY

PRODUCT NO:

1165

Overall Length: 6.875" (17,5 cm)



## Dodson Extremity Skin Saver

Designed by Mark A. Dodson, MD

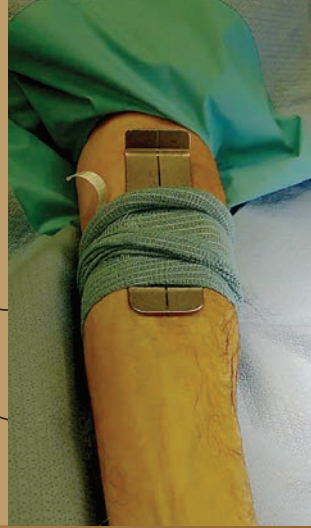
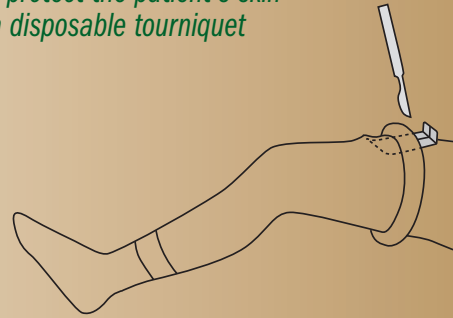
*Designed to help protect the patient's skin when removing a disposable tourniquet*



**PRODUCT NO:**

8628

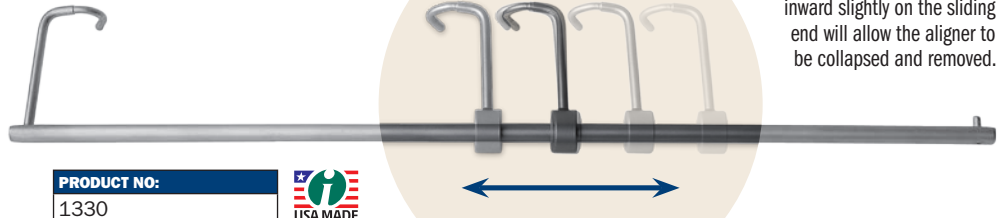
Overall Length: 4.75" (12,1 cm)  
Width: 1.5" (3,8 cm)  
Lip: .5" (1,3 cm)



## Incision Aligner

Designed by DMP

*Designed to align an incision during closing*



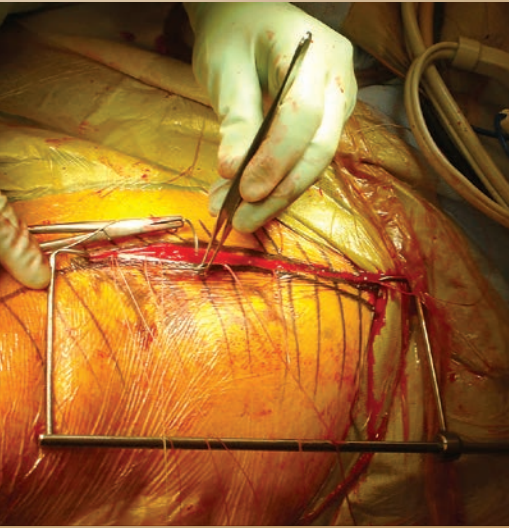
**PRODUCT NO:**

1330

Overall Length: 14" (35,6 cm)  
Blade Offset: 45 mm



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



## Chuck Key Handle

*Snaps onto a standard chuck key for better leverage*

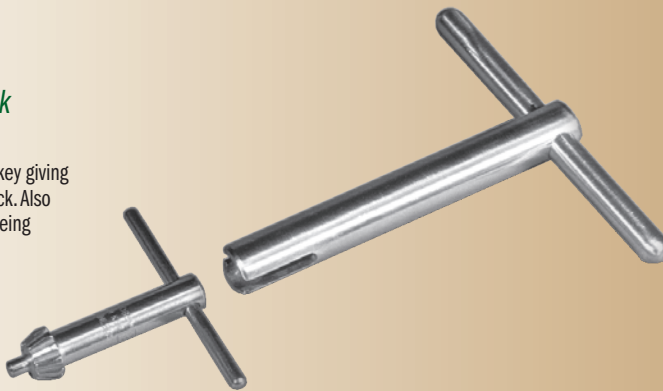
Designed to snap onto a standard chuck key giving better leverage during tightening of a chuck. Also helps keep a chuck key from slipping or being dropped during surgery.

**PRODUCT NO:**

5560

Overall Length: 4" (10,2 cm)

**Chuck Key Not Included**



## Large Handle Chuck Key

*For easy tightening/untightening of a chuck*

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



**PRODUCT NO:**

5517-01

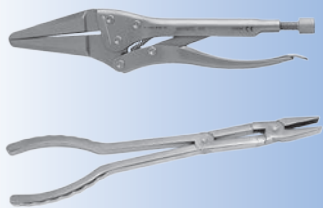
Chuck Size: 1/4" (6,4 mm)  
Overall Length: 10.5" (26,7 cm)  
Handle Length: 4.5" (11,4 cm)



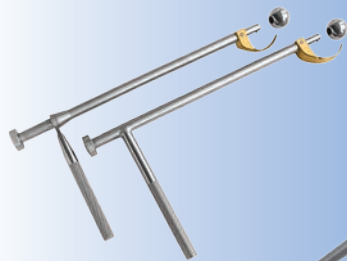
# HIP REVISION

Pages 3 - 19

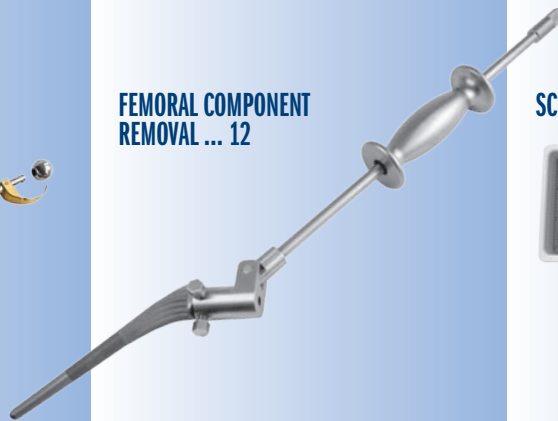
## ORTHOVISE and PLIERS ... 3



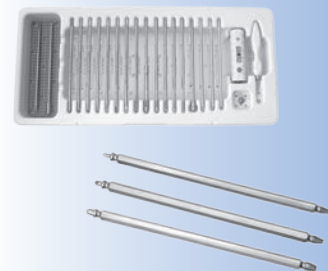
## CUP and LINER REMOVAL ... 4



## FEMORAL COMPONENT REMOVAL ... 12



## SCREW REMOVAL ... 17



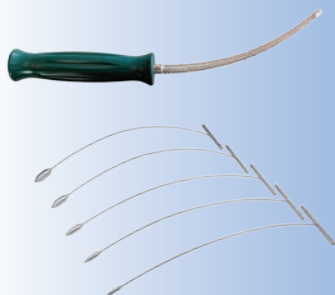
# HIP INSTRUMENTS

Pages 18 - 49

## LEG LENGTH and MEASURING TOOLS ... 20



## INTRAMEDULLARY TOOLS... 26



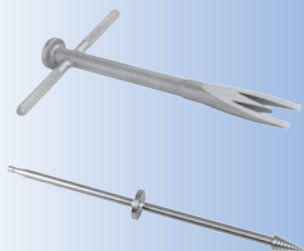
## CURETTES, OSTEOTOMES, and SCISSORS ... 27



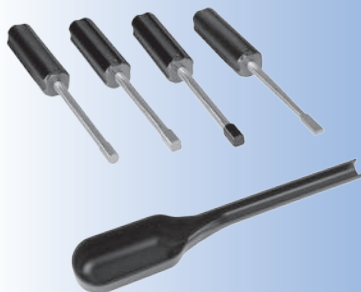
## RONGEURS and GRASPERS... 30



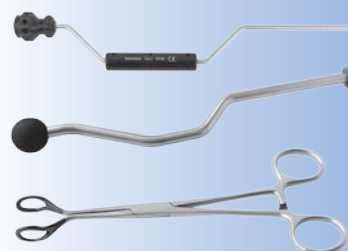
## FEMORAL HEAD REMOVERS ... 34



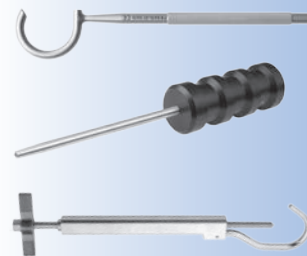
## GRAFTING TOOLS ... 38



## DRIVERS, INSERTERS, and IMPACTORS... 42



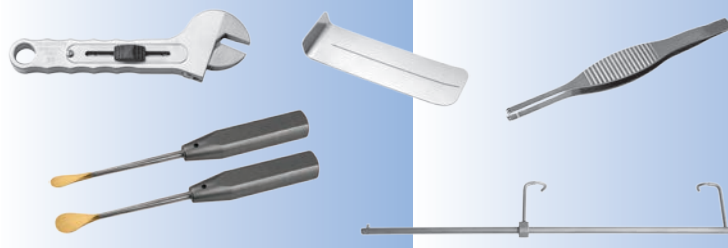
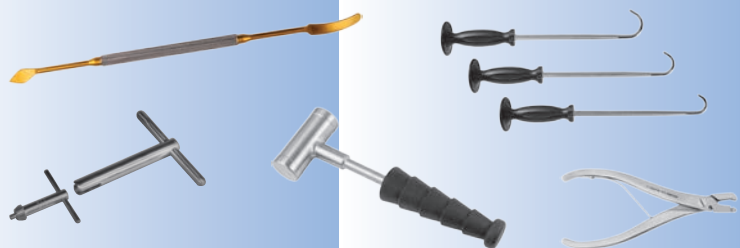
## WIRE and FRACTURE TOOLS ... 46



# GENERAL ORTHOPEDICS

Pages 50 - 58

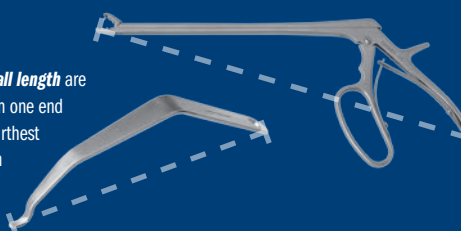
Bone Hooks, Mallets, Gloves, Scissors, Forceps, Periosteal Elevators, Cement Tools, Chucks, Pliers, Wrenches, Suction Tube, Osteotomes, Cutters



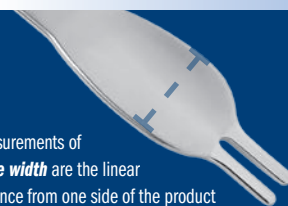
## Measurements in this Catalog

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:



**Innomed, Inc**  
103 Estus Drive  
Savannah, GA 31404

Tel 912.236.0000  
Fax 912.236.7766

www.innomed.net  
info@innomed.net

**TOLL FREE 1.800.548.2362**

**www.innomed.net**



**info@innomed.net**

Scan to Launch

Our Website



ISO 9001:2008 • ISO 13485:2003



**Innomed-Europe LLC**  
Alte Steinhäuserstr. 19  
CH-6330 Cham, Switzerland  
Tel +41 41 740 67 74  
Fax +41 41 740 67 71

**Innomed-Europe GmbH**  
Villingen-Schwenningen,  
Deutschland  
Tel 0049 (0) 7720 46110 60  
Fax 0049 (0) 7720 46110 61  
www.innomed-europe.com  
info@innomed-europe.com



103 Estus Drive  
Savannah, GA 31404

PRSRT. STD.  
U.S. POSTAGE

**PAID**

GRAND RAPIDS, MI  
PERMIT NO. 748

# FREE TRIAL

## on most instruments

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

© 2017 Innomed, Inc.  
All Rights Reserved

\*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.

04-17



## O'Reilly Femoral Head Extractor

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

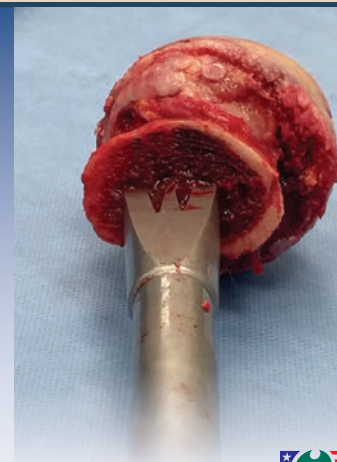
*Designed to help remove the femoral head during THA, MIS Direct Anterior THA, and hip fracture surgery/hemiarthroplasty*

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

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



**New!**  
SMALLER SIZE AVAILABLE



### PRODUCT NO'S:

#### 3675 [Large]

Overall Length: 9.5" (24.1 cm)  
Hammer Platform Diameter: 1.125" (2.9 cm)  
Width at End: 1.1" (2.8 cm)

#### 3674 [Small]

Overall Length: 9.5" (24.1 cm)  
Hammer Platform Diameter: 1.125" (2.9 cm)  
Width at End: .75" (1.9 cm)