

INNOMED

ORTHOPEDIC INSTRUMENTS



SEPTEMBER
2025

Featuring many **New!** instruments throughout

OrthoVise™
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Implant Extractor**
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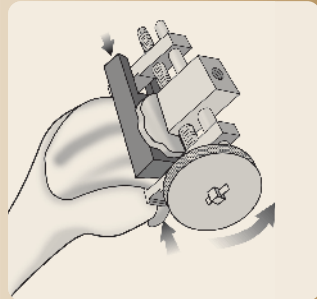
Revision/Extraction Instruments

1.800.548.2362

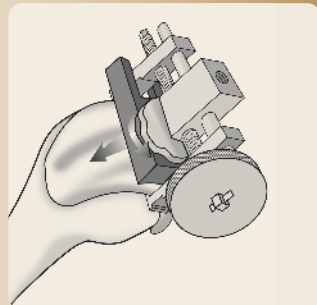


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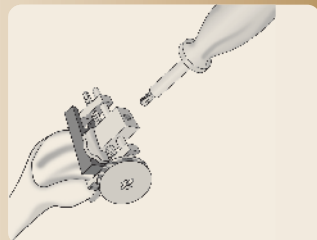
Attaching Jaws To Component
The jaws are tightened against the femoral component with the socket wrench or tightening wheel.



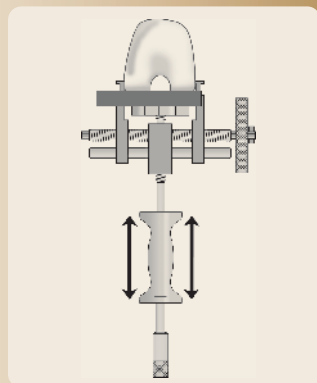
Stabilizing The Component
The delrin stabilizing insert is tightened against the femoral component by rotating the thumbwheel.



Attaching Slap Hammer Assembly
The slap hammer assembly is threaded into the extractor body.



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



Femoral Component Extractor

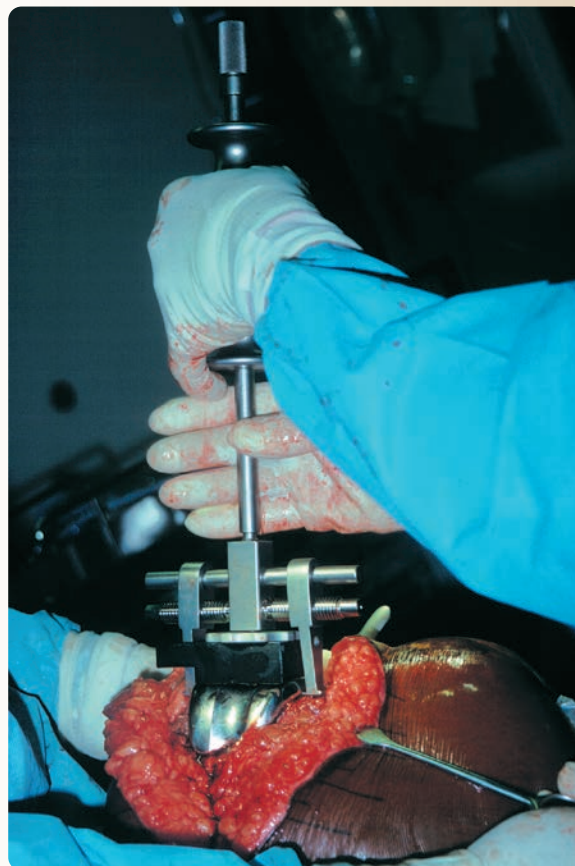
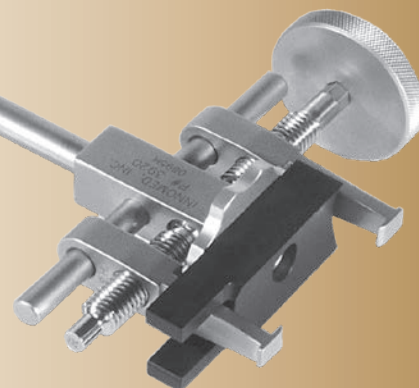
Universal extraction instrument for total knee revision surgery

A standard set of jaws is used for slotted and unslotted femoral components. Features a round tightening wheel which allows the surgeon to easily tighten the jaws without using a separate socket wrench. The tightening wheel can be easily removed for replacing the jaws. The copolymer prosthesis stabilizing block allows access to the block tightening wheel. Includes standard slap hammer, #3925.

Clamps onto femoral knee component for extraction

PRODUCT NO'S:	
3920	[Extractor with Standard Slap Hammer #3925]
Optional/Individual/Replacement Parts:	
3920-10	[Extractor without Slap Hammer]
3920-SJ	[Pair of Standard Jaws]
3925	[Standard Slap Hammer] Thread Gauge: 3/8"-16
3935	[Extra Large Slap Hammer] Thread Gauge: 3/8"-16

See page 23 for alternative slap hammers.



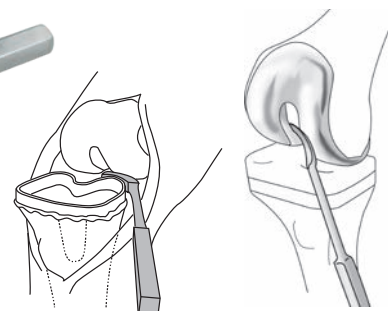
Curved Cement Osteotome

Helps remove cement around the back of the tibia base, and is useful in the femoral notch during removal of a knee femoral component

Designed to be inserted around the back of the tibia base to remove cement. The curve is congruent with most tibia bases. During revision knee surgery, can be used to help separate the prosthesis/bone or prosthesis/cement interface. The curve of the osteotome allows it to be used in the femoral notch of a femoral component. The osteotome is nitrate coated to help protect the implant surface.



PRODUCT NO:	
5220	
Overall Length: 6.75" (17,1 cm)	
Handle Length: 3" (7,6 cm)	
Blade Width: 6,8 mm	



Cannestra TKA Implant Extractor

Designed by Vincent Cannestra, MD

Designed to help remove cemented or cementless TKA implants, including the tibial, femoral, and patellar components, during revision surgery

New!

PRODUCT NO'S:

3875-00 [Extractor with Standard Slap Hammer]

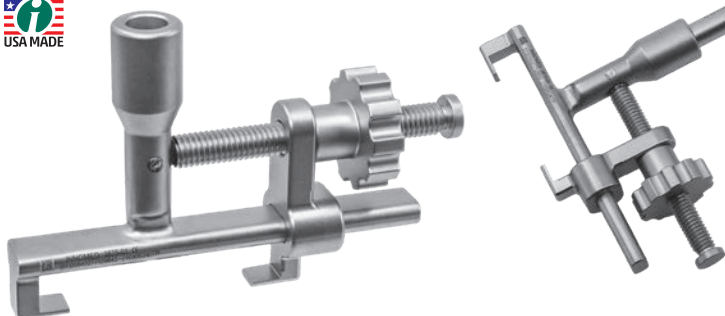
Kit Includes / Available Individually:

3875-01 [Extractor Body without Slap Hammer]

Body Overall Dimensions: 5" x 3.25" x 1.35" (12,7 x 8,3 x 3,4 cm)

3925 [Standard Slap Hammer]

Thread Gauge: 3/8"-16



Tibial Component Extraction



Femoral Component Extraction



PRODUCT NO'S:

5120-01 [Standard]

Overall Length: 11.75" (29,8 cm)
Shaft Diameter: 9,5 mm

5120-02 [Offset]

Overall Length: 11.75" (29,8 cm)
Shaft Diameter: 9,5 mm
Punch End Offset: 60 mm

Boynton Punch

Designed by L. Boynton, MD

Helpful in removing trial, femoral and revision total knee components



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



Tibia Tray Removal Hooks

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

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

PRODUCT NO'S:

3650 [4 mm Gorski Hook w/Standard Slap Hammer #3925]

3650-01 [4 mm Gorski Hook Only]

3655 [8 mm Brown Gorski Hook w/Standard Slap Hammer #3925]

3655-01 [8 mm Brown Gorski Hook Only]

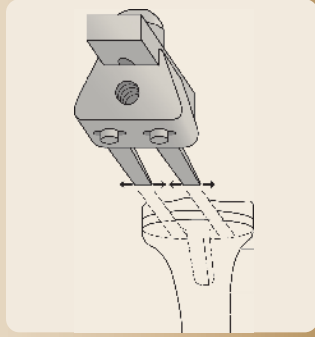
Optional Items:

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

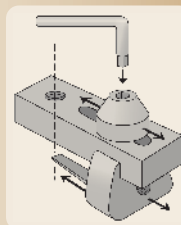
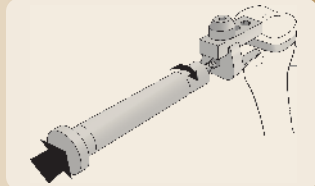
See page 23 for alternative slap hammers.



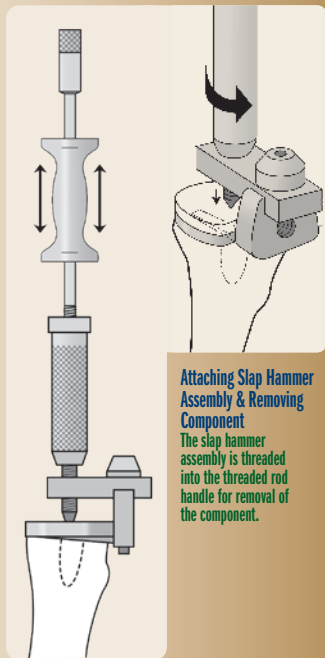
Adjusting Blades To Fit Component
The straight or angled blades are adjusted by loosening the attached screws and sliding the blades into the desired position.



Driving Blades Under Component
The blades are driven under the tibial base.



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



Attaching Slap Hammer Assembly & Removing Component
The slap hammer assembly is threaded into the threaded rod handle for removal of the component.

Tibial Component Extractor

Universal extraction instrument for total knee revision surgery

Clamps onto a tibial knee component for extraction

PRODUCT NO'S:

3630 [Extractor with Standard Slap Hammer]

Optional/Individual/Replacement Parts:

3630-10 [Extractor without Slap Hammer]

3630-01 [Pair of Standard Blades]

10 mm x 50 mm

3630-02 [Pair of Offset Blades]

10 mm x 50 mm, Offset 15 mm

3630-HS [Hex Screws] Pkg of 6

3925 [Standard Slap Hammer]

Thread Gauge: 3/8"-16

3935 [Extra Large Slap Hammer]

Thread Gauge: 3/8"-16



See page 23 for alternative slap hammers.



Designed to lock onto a tibial component and extract in line with the stem or pegs. Two adjustable osteotomes are inserted on the underside of the component. A locking screw clamps on to the top of the extractor to secure the component. Includes standard slap hammer, #3925.



PRODUCT NO:

5232

Osteotome Width: 6.7 mm

Overall Length: 8.5" (21.6 cm)

Handle Length: 5.75" (14.6 cm)

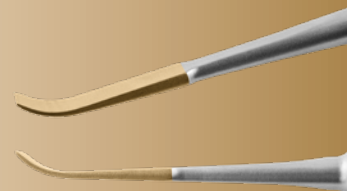


Foster Cement Osteotome

Designed by Scott A. Foster, MD

Designed to help remove UKA/TKA component

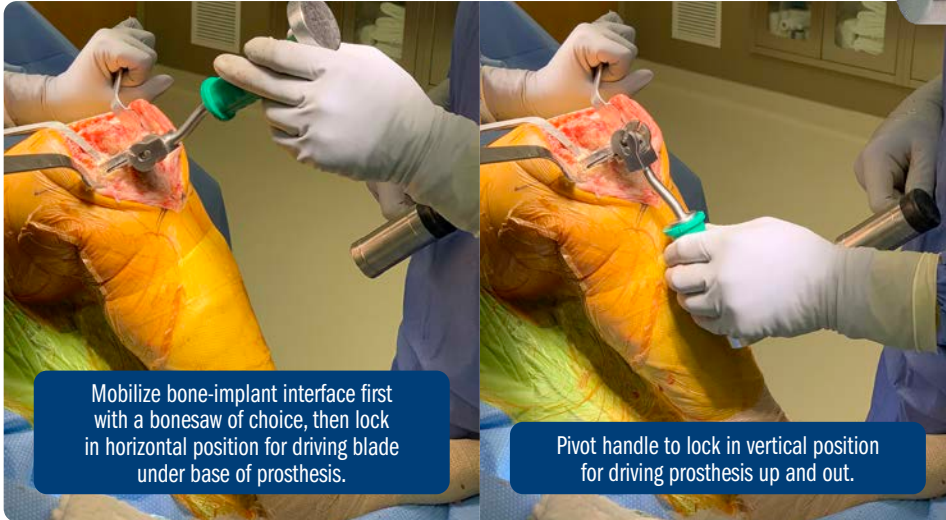
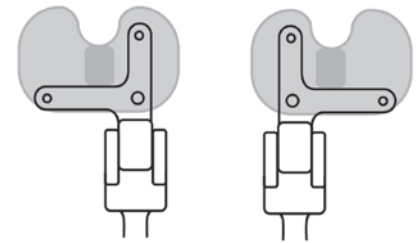
Features a large handle and striking platform. The osteotome is nitrate coated to help protect the implant surface.



Foster Tibial Component Disimpactor

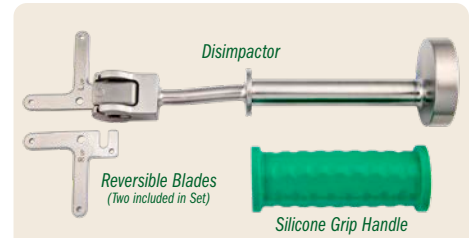
Designed by Scott A. Foster, MD

Designed to help with removal of a total knee tibial component

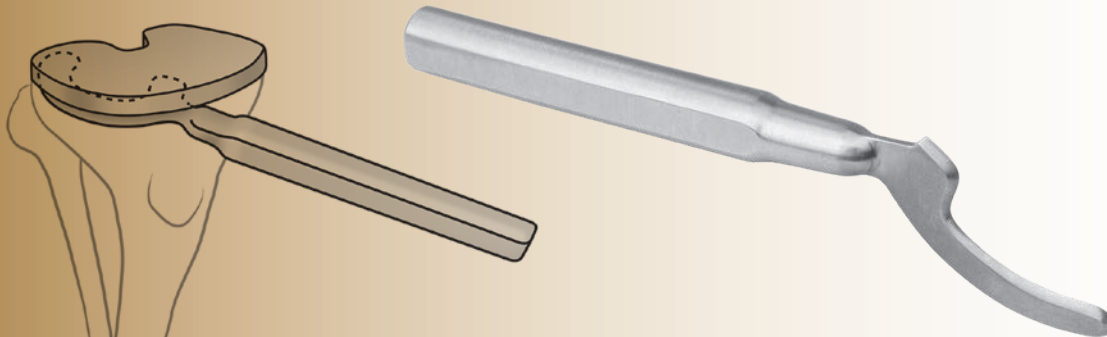


Mobilize bone-implant interface first with a bonesaw of choice, then lock in horizontal position for driving blade under base of prosthesis.

Pivot handle to lock in vertical position for driving prosthesis up and out.



PRODUCT NO'S:	
1213-00	[Set]
Set Includes / Available Individually:	
1213-01	[Foster Tibial Prosthesis Disimpactor]
Overall Length: 14" (35,6 cm)	
Depth from Bend: 4.5" (11,4 cm)	
Fixed Handle Width: 5.5" (14 cm)	
1213-B	[Foster Tibial Prosthesis Blade]
Two included in Set, one with this product number	
Overall Length: 4.875" (12,4 cm)	
Handle Length: 4.5" (11,4 cm)	
3924-RH	[Silicone Grip Handle]
Overall Length: 4" (10,2 cm)	



Whang Tibial Osteotome

Designed by William Whang, MD

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



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

Flexible Curved Chisel Blades for Flexible Osteotome System

Curved Chisel Blades designed by William McMaster, MD

An optional part of the Flexible Osteotome System designed to help remove a tibial knee component



Handle and other components sold separately.
See page 10 for system information.

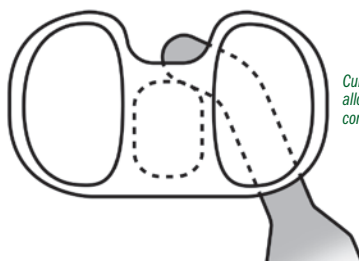
PRODUCT NO'S:	
S1233-L	[Left Curved Blade] 2" (5,1 cm) x 8 mm
S1233-R	[Right Curved Blade] 2" (5,1 cm) x 8 mm



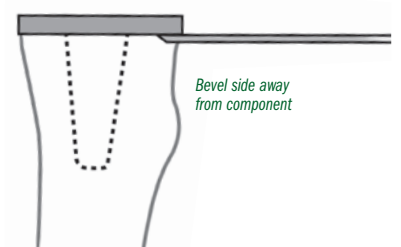
2" (5,1 cm) x 8 mm Left Curved Chisel Blade #S1233-L



2" (5,1 cm) x 8 mm Right Curved Chisel Blade #S1233-R



Curved chisel design allows working around component pegs, fins, etc.



Bevel side away from component

Lachiewicz Total Knee Revision Instruments with Strikeplate

Design modifications by Beau Konigsberg, MD of original designs by Paul F. Lachiewicz, MD

Designed for total knee revision, these instruments feature the addition of a strikeplate on the end for increased impaction and extraction

New!

PRODUCT NO'S:

3700-01-SP	[Lachiewicz Angled Cut Cement Chisel Short 10 mm with Strikeplate] Chisel Width: 10 mm
3700-01W	[Lachiewicz Angled Edge Cutting Cement Chisel Short 25 mm with Strikeplate] Chisel Width: 25 mm
3700-03-SP	[Lachiewicz Angled Femoral Component Disimpactor with Strikeplate] Disimpactor Width: 14 mm
3700-04-SP	[Lachiewicz Cement Prosthesis Osteotome 8 mm Wide with Strikeplate] Osteotome Width: 8 mm



Lachiewicz Angled Cut Cement Chisel
Short 10 mm with Strikeplate
#3700-01-SP

Lachiewicz Angled Edge Cutting Cement Chisel
Short 25 mm with Strikeplate
#3700-01W

Lachiewicz Angled Femoral Component
Disimpactor with Strikeplate
#3700-03-SP

Lachiewicz Cement Prosthesis Osteotome
8 mm Wide with Strikeplate
#3700-04-SP

Eickmann Knee Revision Set

Designed by Thomas Eickmann, MD

Used for total knee revision

PRODUCT NO'S:

5470-00	[Complete Set]
Set Includes / Available Individually:	
5470-08	[8 mm Chisel] Osteotome Width: 8 mm Blade Length: 2.375" (6 cm) Overall Length: 7.375" (18,7 cm)
5470-11	[11 mm Chisel] Osteotome Width: 11 mm Blade Length: 2.375" (6 cm) Overall Length: 7.375" (18,7 cm)
5470-20	[20 mm Chisel] Osteotome Width: 20 mm Blade Length: 2.375" (6 cm) Overall Length: 7.375" (18,7 cm)
5472-08	[8 mm Offset Cement Removal Chisel] Osteotome Dimensions: 8 mm Wide x 12 mm Long Blade Length: 2.375" (6 cm) Overall Length: 7.375" (18,7 cm)
5474-06	[6 mm Notched Cement Removal Chisel] Osteotome Width: 6 mm Blade Length: 2.625" (6 cm) Overall Length: 7.375" (18,7 cm)
5475-08	[8 mm Implant Remover] Diameter: 8 mm Blade Length: 2.625" (6 cm) Overall Length: 7.375" (18,7 cm)
5470-CASE	[Case Only]



8 mm Chisel
#5470-08

11 mm Chisel
#5470-11

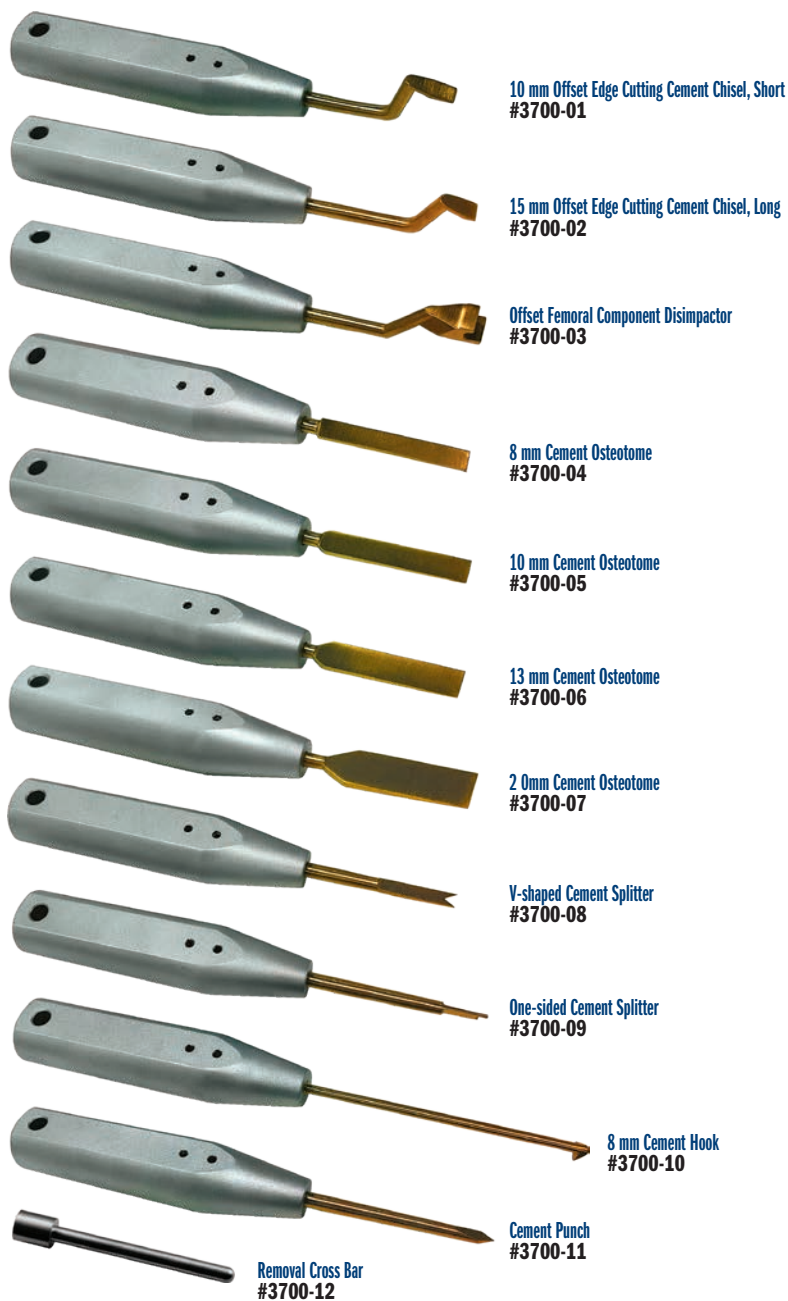
20 mm Chisel
#5470-20

8 mm Offset Cement
Removal Chisel
#5472-08

6 mm Notched Cement
Removal Chisel
#5474-06

8 mm Implant Remover
#5475-08





Lachiewicz Total Knee Revision Set

Designed by Paul F. Lachiewicz, MD

Used for total knee revision

PRODUCT NO'S:	
3700-00	[Complete Set]
Set Includes / Available Individually:	
3700-01	[Offset Edge Cutting Cement Chisel, Short] Chisel Width: 10 mm
3700-02	[Offset Edge Cutting Cement Chisel, Long] Chisel Width: 15 mm
3700-03	[Offset Femoral Component Dis-impactor]
3700-04	[8 mm Cement Prosthesis Osteotome] Osteotome Width: 8 mm
3700-05	[10 mm Cement Prosthesis Osteotome] Osteotome Width: 10 mm
3700-06	[13 mm Cement Prosthesis Osteotome] Osteotome Width: 13 mm
3700-07	[20 mm Cement Prosthesis Osteotome] Osteotome Width: 20 mm
3700-08	[V-shaped Cement Splitter]
3700-09	[One-sided Cement Splitter]
3700-10	[8 mm Cement Hook] Hook Blade Width: 8 mm
3700-11	[Cement Punch]
3700-12	[Removal Cross Bar]
3700-CASE	[Case]



Curved Osteotomes for Total Knee Revision

Designed by Morteza Meltah, MD

Designed to help in the removal of a tibial component, the curved blade is designed to make contact from multiple angles



PRODUCT NO'S:	
3622	[Standard] Overall Length: 11" (27,9 cm) Handle Length: 6" (15,2 cm) Blade Width: 12 mm Blade Thickness: 2 mm
3622-01	[Small] Overall Length: 8" (20,3 cm) Handle Length: 4.5" (11,4 cm) Blade Width: 12 mm Blade Thickness: 2 mm



Garneti Concave Hip/Knee Revision Osteotome

Designed by Mr Naren Garneti MSc (Tr) MRCS MCh (Orth) FRCS (Tr & Orth)

Designed for use in primary and revision knee surgery

During revision knee surgery, can be used to help disrupt the bone-implant, cement-bone and cement-implant interfaces. The osteotome can also be used to help extract the tibial and femoral components.

During primary knee surgery, can be used to help remove cement from the periphery of a tibial base plate and femoral component.

New!

See page 26 for use in hip revision surgery.

PRODUCT NO:

5275-03 [Garneti Concave Hip/Knee Osteotome]

Overall Length: 11.1" (28,2 cm)

Blade Width: .7" (1,8 cm)

Strike Plate End Diameter: 1.25" (3,2 cm)



Whelan Flexible Chisel Guide

Designed by Edward 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]

Set Includes/ Available Individually:

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

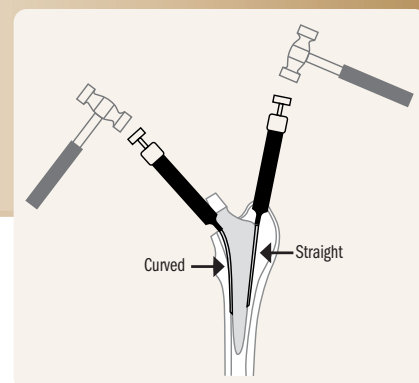


Whelan Curved Chisel Guide

Designed by Edward 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.



PRODUCT NO'S:

5302-00 [Complete Set]

Set Includes/ Available Individually:

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.



Complete Set

Two blades included in Set



Case Only #9075

Narrow Cement Removal Gouge, Short #S7505

Narrow Cement Removal Gouge, Long #S7507

Narrow Offset Cement Removal Gouge #S7510

Acetabular Chisel #S7515

Offset Chisel #S7520

Flared Angle Gouge #S7525

Wide Gouge #S7530

"V" Splitter #S7535

Saddle Punch #S7587

Cement Splitting Osteotome #S7590

Cement Removal Osteotome, Short #S7595

Cement Removal Osteotome, Long #S7597

4.4 mm Drill #S7540 & Drill Guide #S7545

6.4 mm Drill #S7550 & Drill Guide #S7555

Straight Cement Removal Hook #S7560

Curved Cement Removal Hook #S7565

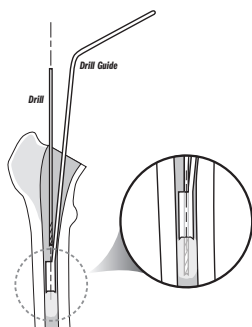
Cross Bar #S7570

7 mm T-Handle Conical Tap #S7575

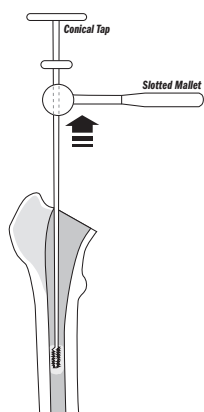
9 mm T-Handle Conical Tap #S7580

Slotted Mallet #S7585

Drill & Drill Guide



Conical Tap & Mallet



Mueller-Type Cement Removal Instruments

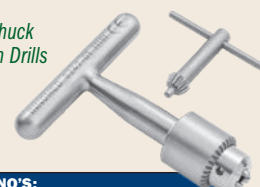
Used for cement removal in the hip, knee, and shoulder

PRODUCT NO'S:	
S7500-00 [Complete Set with Case]	
Set Includes / Available Individually:	
S7505 [Narrow Cement Removal Gouge, Short]	1
Shaft Length: 15 cm Gouge: 9 mm, negative	
S7507 [Narrow Cement Removal Gouge, Long]	2
Shaft Length: 24 cm Gouge: 9 mm, negative	
S7510 [Narrow Offset Cement Removal Gouge]	3
Shaft Length: 24 cm Gouge: 9 mm, negative	
S7515 [Acetabular Chisel]	4
Shaft Length: 24 cm Chisel: 7.5 mm	
S7520 [Offset Chisel]	5
Shaft Length: 15 cm Chisel: 9 mm	
S7525 [Flared Angle Gouge]	6
Shaft Length: 24 cm Gouge: 9 mm, positive, angle 15° down	
S7530 [Wide Gouge]	7
Shaft Length: 24 cm Gouge: 11.5 mm, negative	
S7535 ["V" Splitter]	8
V-Shaped Chisel: 7 mm	
S7587 [Saddle Punch]	9
Shaft Length: 24 cm Punch: 16.5 mm x 6.5 mm	
S7590 [Cement Splitting Osteotome]	10
Shaft Length: 24 cm	
S7595 [Cement Removal Osteotome, Short]	11
Shaft Length: 15 cm Osteotome: 8 mm	
S7597 [Cement Removal Osteotome, Long]	12
Shaft Length: 24 cm Osteotome: 8 mm	
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]	17
Hook Curette: 10 mm	
S7565 [Curved Cement Removal Hook]	18
Hook Curette: 10 mm	
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]	



Optional Instruments:

T-Handle Chuck
for use with Drills



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

Flexible Osteotome System

Provides an assortment of osteotome blades for various orthopedic surgery procedures

PRODUCT NO'S:

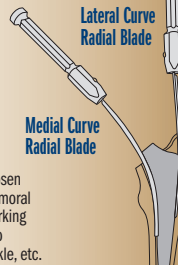
S0011-00	[Set with Quick-Coupling Handle and Case]
S0012-00	[Set with Locking Nut Handle and Case]
Sets Include / Available Individually:	
S1002	[Thin Osteotome Blade] 2.5" (6,3 cm) x 8 mm
S1003	[Thin Osteotome Blade] 2.5" (6,3 cm) x 10 mm
S1004	[Thin Osteotome Blade] 2.5" (6,3 cm) x 12 mm
S1005	[Thin Osteotome Blade] 2.5" (6,3 cm) x 20 mm
S1006	[Curved Thin Osteotome Blade] 2.5" (6,3 cm) x 12 mm
S1007	[Curved Thin Osteotome Blade] 5" (12,7 cm) x 20 mm
S1008	[Thin Osteotome Blade] 5" (12,7 cm) x 10 mm
S1009	[Thin Osteotome Blade] 5" (12,7 cm) x 8 mm
S1020	[Handle with Quick-Coupling End] 5" (12,7 cm)
or	
S1021	[Handle with Locking Nut] 5" (12,7 cm)
S1133	[Radial Osteotome] 5" (12,7 cm) x 10 mm
S1120	[Radial Osteotome] 5" (12,7 cm) x 12 mm
S1134	[Radial Osteotome] 5" (12,7 cm) x 14 mm
S1121	[Radial Osteotome] 5" (12,7 cm) x 16 mm
S1122	[Radial Osteotome] 5" (12,7 cm) x 20 mm
S2007	[Slap Hammer] 12" (30,5 cm)
9018	[Case]

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



Optional Parts and Blades

- Optional Strike Plate can be attached to the Handle for direct striking with a mallet
- Optional Curved Chisel Blades are designed to help loosen the cement/prosthesis interval in TKA tibial tray and femoral component revisions. The curved design is useful in working around pegs & fins to get posterior cement access. Also helpful with removal of other implants, i.e shoulder, ankle, etc.



PRODUCT NO'S:

S1020-SP	[Strike Plate for Handle] Diameter 1.625" (4,1 cm)
Optional Osteotome Blades (Not Included In Complete Set):	
S1010	[Offset Osteotome Blade - 15 mm] 3.15" (8 cm) x 15 mm Offset Section Length: 1.1" (2,8 cm) Offset: .65" (1,6 cm)
S1123	[7.5" XL Osteotome Blade] 7.5" (19,1 cm) x 8 mm
S1135	[Radial Osteo. Medial Curve] 6.75" (17,1 cm) x 11 mm
S1136	[Radial Osteo. Lateral Curve] 6.75" (17,1 cm) x 11 mm
S1137	[Radial Osteo. Medial Curve] 5" (12,7 cm) x 11 mm
S1138	[Radial Osteo. Lateral Curve] 5" (12,7 cm) x 11 mm
Optional Chisel Blades (Not Included In Complete Set):	
S1233-L	[2" Left Curved Chisel Blade] 2" (5,1 cm) x 8 mm
S1233-R	[2" Right Curved Chisel Blade] 2" (5,1 cm) x 8 mm
S1222	[2.5" Chisel Blade - 8 mm] 2.5" (6,4 cm) x 8 mm
S1223	[2.5" Chisel Blade - 10 mm] 2.5" (6,4 cm) x 10 mm
S1224	[2.5" Chisel Blade - 12 mm] 2.5" (6,4 cm) x 12 mm
S1225	[2.5" Chisel Blade - 20 mm] 2.5" (6,4 cm) x 20 mm
S1229	[5" Chisel Blade - 8 mm] 5" (12,7 cm) x 8 mm
S1228	[5" Chisel Blade - 10 mm] 5" (12,7 cm) x 10 mm
S1231	[5" Chisel Blade - 12 mm] 5" (12,7 cm) x 12 mm
S1230	[5" Chisel Blade - 20 mm] 5" (12,7 cm) x 20 mm
S1227	[5.5" Long Chisel Blade] 5.5" (14 cm) x 8 mm
S1232	[7.5" XL Chisel Blade] 7.5" (19,1 cm) x 8 mm
S1234	[8.5" XL Chisel Blade] 8.5" (21,6 cm) x 8 mm
S1235	[9.5" XL Chisel Blade] 9.5" (23,1 cm) x 8 mm
S1236	[10.5" XL Chisel Blade] 10.5" (26,7 cm) x 8 mm
S1237	[11.5" XL Chisel Blade] 11.5" (29,2 cm) x 8 mm
S1238	[12.5" XL Chisel Blade] 12.5" (31,8 cm) x 8 mm

Blade lengths reflect the actual working portion of the blade only. For overall length, add 1.5" (3,8 cm) to blade length listed above.

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



Handle with Quick-Coupling End #S1020

System Includes Choice of Handle Style



Handle with Locking Nut #S1021



2.5" (6,4 cm) x 8 mm Thin Osteotome Blade #S1002



2.5" (6,4 cm) x 10 mm Thin Osteotome Blade #S1003



2.5" (6,4 cm) x 12 mm Thin Osteotome Blade #S1004



2.5" (6,4 cm) x 20 mm Thin Osteotome Blade #S1005



2.5" (6,4 cm) x 12 mm Curved Thin Osteotome Blade #S1006



5" (12,7 cm) x 20 mm Curved Thin Osteotome Blade #S1007



5" (12,7 cm) x 10 mm Thin Osteotome Blade #S1008



5" (12,7 cm) x 8 mm Thin Osteotome Blade #S1009



5" (12,7 cm) x 10 mm Radial Osteotome #S1133



5" (12,7 cm) x 12 mm Radial Osteotome #S1120



5" (12,7 cm) x 14 mm Radial Osteotome #S1134



5" (12,7 cm) x 16 mm Radial Osteotome #S1121



5" (12,7 cm) x 20 mm Radial Osteotome #S1122



Slap Hammer #S2007

Options Available Separately

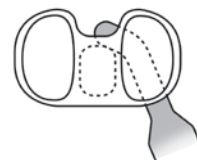
Instruments Included in Sets

New!

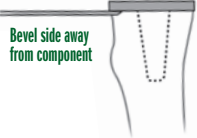


Strike Plate for Handle #S1020-SP

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



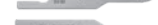
Curved chisel design allows working around component pegs, fins, etc.



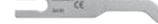
Bevel side away from component



2" (5,1 cm) x 8 mm Left Curved Chisel Blade #S1233-L



2" (5,1 cm) x 8 mm Right Curved Chisel Blade #S1233-R



2.5" (6,4 cm) x 8 mm Chisel Blade #S1222



2.5" (6,4 cm) x 10 mm Chisel Blade #S1223



2.5" (6,4 cm) x 12 mm Chisel Blade #S1224



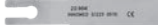
2.5" (6,4 cm) x 20 mm Chisel Blade #S1225



5" (12,7 cm) x 8 mm Chisel Blade #S1229



5" (12,7 cm) x 10 mm Chisel Blade #S1228



5" (12,7 cm) x 12 mm Chisel Blade #S1231



5" (12,7 cm) x 20 mm Chisel Blade #S1230



5.5" (14 cm) x 8 mm Long Chisel Blade #S1227



7.5" (19,1 cm) x 8 mm Extra Long Chisel Blade #S1232



8.5" (21,6 cm) x 8 mm Extra Long Chisel Blade #S1234



9.5" (23,1 cm) x 8 mm Extra Long Chisel Blade #S1235



10.5" (26,7 cm) x 8 mm Extra Long Chisel Blade #S1236

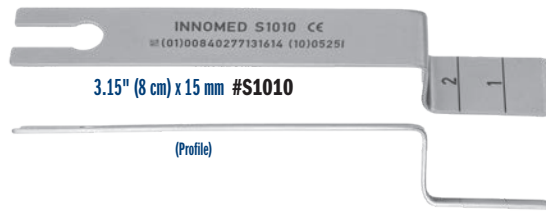


11.5" (29,2 cm) x 8 mm Extra Long Chisel Blade #S1237



12.5" (31,8 cm) x 8 mm Extra Long Chisel Blade #S1238

Extra Long Chisel Blades are designed for removal of well-fixed long bone intramedullary hardware



Offset Osteotome Blade

Optional offset blade designed for use with the Flexible Osteotome System

PRODUCT NO'S:

S1010 [Offset Osteotome Blade – 15 mm]
3.15" (8 cm) x 15 mm
Offset Section Length: 1.1" (2,8 cm)
Offset: .65" (1,6 cm)



Wagner Osteotome Handle

Designed by Russell Wagner, MD

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

1/4" Osteotome
#5348-01

Handle #5348

Osteotome not included.



PRODUCT NO'S:

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

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



Modified Lambotte Osteotomes

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

PRODUCT NO'S:

5350-00 [Set w/Case]

Set Includes /Available Individually:

5350-25* [1/4"]

Overall Length: 9" (22,9 cm)
Osteotome Width: .25" (6,4 mm)

5350-50* [1/2"]

Overall Length: 9" (22,9 cm)
Osteotome Width: .5" (12,7 mm)

5350-75 [3/4"]

Overall Length: 9" (22,9 cm)
Osteotome Width: .75" (19 mm)

5350-100 [1"]

Overall Length: 9" (22,9 cm)
Osteotome Width: 1" (25,4 mm)

5350-125 [1-1/4"]

Overall Length: 9" (22,9 cm)
Osteotome Width: 1.25" (31,8 mm)

5350-150 [1-1/2"]

Overall Length: 9" (22,9 cm)
Osteotome Width: 1.5" (38,1 mm)

5350-CASE [Case]

Dimensions: 12.25" x 11.25" x 1"
(31,1 x 28,6 x 2,5 cm)

5350-CB [Cross Bar]

Overall Length: 4.375" (11,1 cm)



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).

Case Only
#5350-CASE



1/4" #5350-25*

1/2" #5350-50*

3/4" #5350-75

1" #5350-100

1-1/4" #5350-125

1-1/2" #5350-150

Cross Bar #5350-CB

* Accuracy Statement for devices with a measuring function:

Devices with a measuring function are considered non-critical, non-calibrated, and are intended for reference-only measurements. While it provides a helpful visual guide for relative measurements, it is not calibrated to specific precision standards. Measurements taken with this device should not be considered accurate enough for critical applications requiring strict dimensional tolerances. General manufacturing tolerances of +\ - 1% at each graduation, or 2% of the full scale apply, but no conformance qualifications are provided or implied.

3 mm Straight #5150

6 mm Straight #5152

8 mm Straight #5154



Ring Curettes

3 mm Bent #5156

6 mm Bent #5157

8 mm Bent #5158



PRODUCT NO'S:

Straight Shaft

Overall Length: 8.75" (22,2 cm)

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)

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



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

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

Sarraf Toothed Curettes

Designed by Khaled Sarraf, MD

Forward, straight, and reverse bent toothed curettes designed to aid in all types of joint arthroplasty surgery, especially in scraping any articular chondral islands within the acetabulum during THA preparation

- ▶ Valuable aid in revision arthroplasty (hip, knee, shoulder and ankle) for cement curettage
- ▶ Can also be used for the femoral canal in cemented and uncemented THA
- ▶ Useful tool in hip and knee primary arthroplasty as well as shoulder, elbow and ankle arthroplasty procedures



PRODUCT NO'S:	
5174-00	[Set]
Set Includes/ Available Separately:	
5174-F	[Forward]
Overall Length: 11.5" (29,2 cm)	
Handle Length: 5.5" (14 cm)	
Angled Down: 30°	
5174-R	[Reverse]
Overall Length: 11.5" (29,2 cm)	
Handle Length: 5.5" (14 cm)	
Angled Up: 30°	
5174-S	[Straight]
Overall Length: 11.5" (29,2 cm)	
Handle Length: 5.5" (14 cm)	



Chandran Bent Serrated Curette

Designed by Rama E. Chandran, MD

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

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



Mini-lexer Gouges

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

PRODUCT NO'S:	
2022-02	[Mini Lexer Gouge – 4 mm]
Overall Length: 7" (17,8 cm)	
Gouge Width: 4 mm	
2022-03	[Mini Lexer Gouge – 6 mm]
Overall Length: 7" (17,8 cm)	
Gouge Width: 6 mm	
2022-04	[Mini Lexer Gouge – 10 mm]
Overall Length: 7" (17,8 cm)	
Gouge Width: 10 mm	



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4 mm Gouge #2022-02



6 mm Gouge #2022-03



10 mm Gouge #2022-04



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	



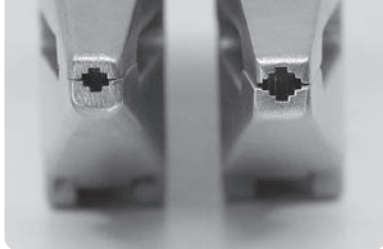
Long Jaw Needle Nose Pliers



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





**NEW Small
Jaw End & Bite**

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

**Standard
Jaw End & Bite**

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

Screw/Pin Removal Locking Pliers

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

Standard #S0142

Small #S0142-01

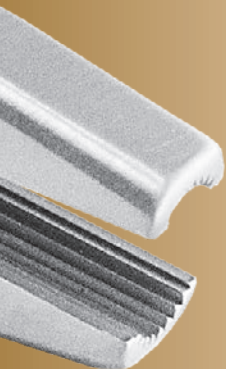
*Reduced jaw size for smaller
screws, pins and incisions*



PRODUCT NO'S:

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

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



Screw Extractor with Speed Lock

Designed by Khaled Sarraf, MD & Konstantinos Doudoulakis, MD

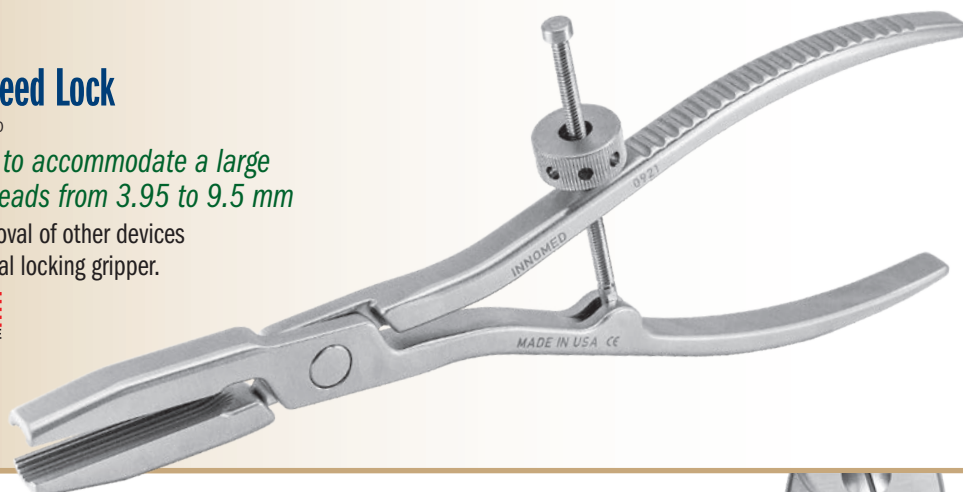
*Universal extractor designed to accommodate a large
range of screws and screw heads from 3.95 to 9.5 mm*

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

PRODUCT NO:

2021

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



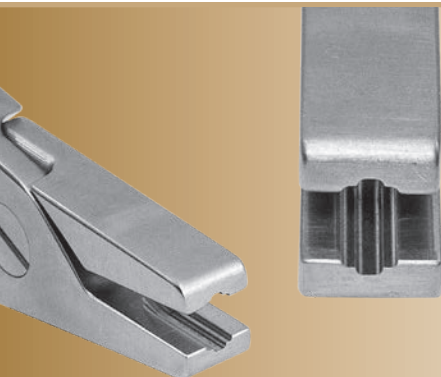
Screw Removal Pliers

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

PRODUCT NO:

2020

Overall Length: 8 (20,3 cm)



Screw Removal Locking Pliers

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

PRODUCT NO:

2022-01

Overall Length: 8" (20,3 cm)

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New!

Universal Screw Removal Instrument System

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

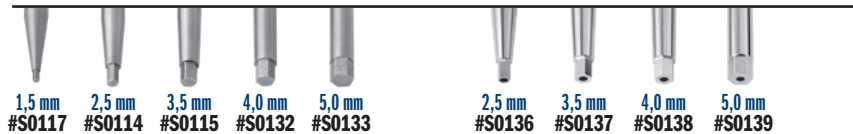


Screw Extractors

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

Trephines

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

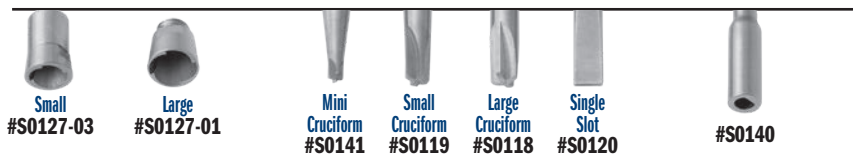


Hex Drivers

Solid shaft in all standard hex sizes.

Hex Drivers

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



Universal Extraction Bolts

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

Screwdrivers

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

Cannulated Drive Extension

Used when a longer instrument shaft is desired.

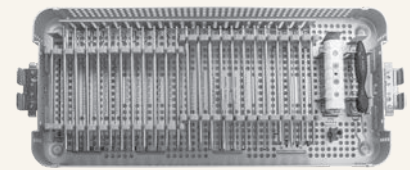
Pick #S0129

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

Extractor Wrench #S0127-04

Universal Instrument Handle #S0113

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



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

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

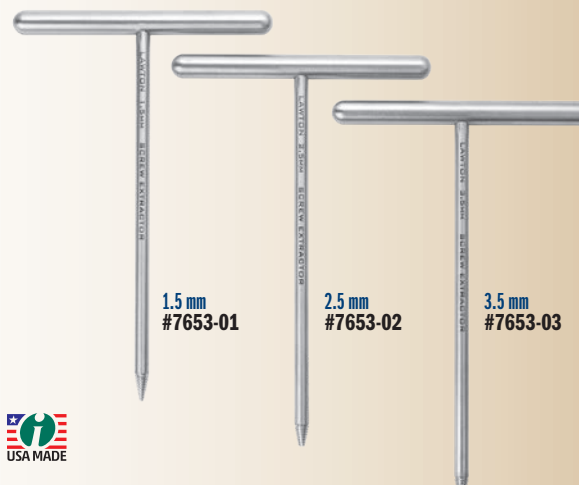


Lawton Screw Extractors

Designed by Jeffrey Lawton, MD

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

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



Basic Screw Removal System

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

PRODUCT NO'S:

2022-00 [Complete System with Case]

System Includes/ Available Individually:

2022-01 [Screw Removal Locking Pliers]
Overall Length: 8" (20,3 cm)

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

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

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

2022-05 [Extraction Screw for 1.5/2.0 mm Screw]
Overall Length: 1.6" (4 cm)

2022-06 [Extraction Screw for 2.7/3.5/4.0 mm Screw]
Overall Length: 1.6" (4 cm)

2022-07 [Extraction Screw for 4.5/5.0/6.5/7.0 mm Screw]
Overall Length: 1.6" (4 cm)

2022-CASE [Case for System]

2022-IP [Instruction Plate]
Dimensions: 7.875" x 3.65" (20 x 9,3 cm)

2022-SH [Sharp Hook]
Overall Length: 6.1" (15,5 cm)

2022-T [T-Handle with AO-End]
Overall Length: 5.9" (15 cm)
Handle Width: 3.15" (8 cm)

2023-01 [Extraction Bolt for 1.5 mm Screw]
Overall Length: 2.35" (6 cm)

2023-02 [Extraction Bolt for 2.0 mm Screw]
Overall Length: 2.35" (6 cm)

2023-03 [Extraction Bolt for 2.7 mm Screw]
Overall Length: 2.35" (6 cm)

2023-04 [Extraction Bolt for 3.5/4.0 mm Screw]
Overall Length: 2.35" (6 cm)

2023-05 [Extraction Bolt for 4.5 mm Screw]
Overall Length: 3.15" (8 cm)

2023-06 [Extraction Bolt for 5.0/6.5/7.0 mm Screw]
Overall Length: 3.94" (10 cm)

2023-07 [Trephine for 1.5 mm Screw]
Overall Length: 4.125" (10,5 cm)

2023-08 [Trephine for 2.0 mm Screw]
Overall Length: 4.125" (10,5 cm)

2023-09 [Trephine for 2.7 mm Screw]
Overall Length: 4.125" (10,5 cm)

2023-10 [Trephine for 3.5/4.0 mm Screw]
Overall Length: 4.125" (10,5 cm)

2023-11 [Trephine for 4.5 mm Screw]
Overall Length: 5.4" (13,7 cm)

2023-12 [Trephine for 5.0/6.5/7.0 mm Screw]
Overall Length: 5.4" (13,7 cm)

2024-01 [Spare Trephine Cutting End for 1.5 mm Screw]
Overall Length: 1.6" (4 cm)

2024-02 [Spare Trephine Cutting End for 2.0 mm Screw]
Overall Length: 1.6" (4 cm)

2024-03 [Spare Trephine Cutting End for 2.7 mm Screw]
Overall Length: 1.6" (4 cm)

2024-04 [Spare Trephine Cutting End for 3.5/4.0 mm Screw]
Overall Length: 1.6" (4 cm)

2024-05 [Spare Trephine Cutting End for 4.5 mm Screw]
Overall Length: 2.75" (7 cm)

2024-06 [Spare Trephine Cutting End for 5.0/6.5/7.0 mm Screw]
Overall Length: 2.75" (7 cm)

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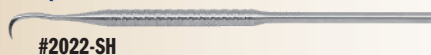
Screw Removal Locking Pliers



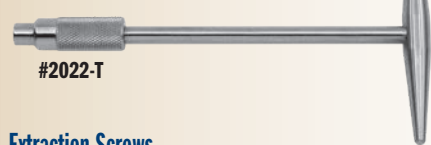
Mini Lexer Gouges



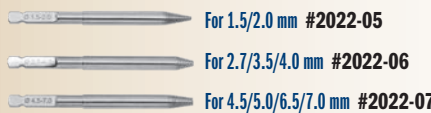
Sharp Hook



T-Handle with AO-End



Extraction Screws



Extraction Bolts



Trephines



Spare Trephine Cutting Ends

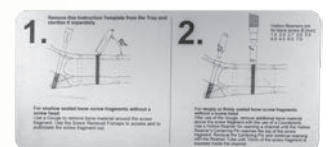


New!

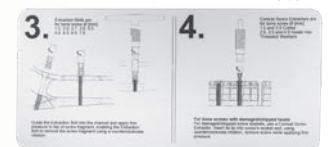
Set in Case



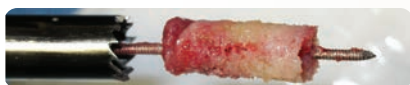
Instruction Plate #2022-IP



Side A



Side B

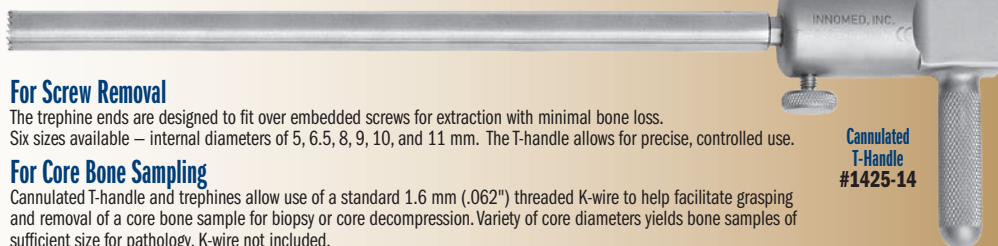


Cheng Screw Removal and Bone Trephine Set

Designed by Edward Cheng, MD

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

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



For Screw Removal

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

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

For Core Bone Sampling

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

PRODUCT NO'S:	
1426-00	[Complete Set with Case]
Set Includes/ Available Individually:	
1426-01	[5 mm Internal Diameter] Overall Length: 7.125" (18,1 cm)
1426-02	[6.5 mm Internal Diameter] Overall Length: 7.125" (18,1 cm)
1426-03	[8 mm Internal Diameter] Overall Length: 7.125" (18,1 cm)
1426-05	[9 mm Internal Diameter] Overall Length: 7.125" (18,1 cm)
1426-06	[10 mm Internal Diameter] Overall Length: 7.125" (18,1 cm)
1426-07	[11 mm Internal Diameter] Overall Length: 7.125" (18,1 cm)
1425-14	[Handle Assembly] Dimensions: 4" x 2" (10,2 cm x 5,1 cm)
1025	[Sterilization Case]
Replacement Part:	
1425-14-B-COMP	[Handle Retaining Screw]



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

Small & Large Single Slot #5195-02

Cross & Cruciate #5195-03

3.5 mm & 4.5 mm Hex #5195-04

Small & Large Phillips #5195-05

#6 & #8 star #5195-08

#10 & #15 star #5195-06

#20 & #25 star #5195-07



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

Universal Screwdriver Set

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

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

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



Designed for conversion of a 3.5 mm screwdriver

Torx/Hex Adapter Set

Designed by Stephen M. Walsh, MD

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

Star Bit Driver Set

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

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

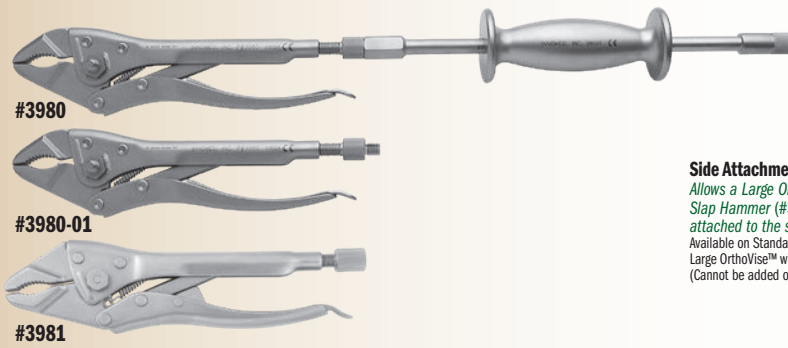


Helpful during revision total joint surgery. Set consists of four star bits – T10, T15, T20, & T25, a handle which accommodates any of the above bits, and a sterilization case. The drive end (A/O) is designed for easy and quick engagement with the universal instrument handle. The ergonomic, modular handle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

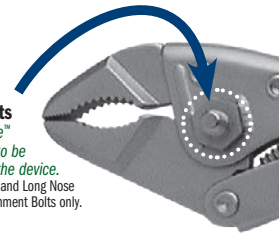


STANDARD LARGE

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

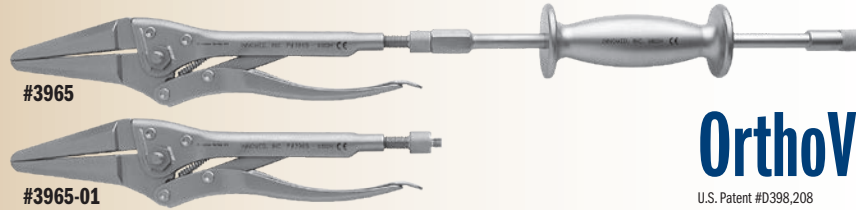


Side Attachment Bolts
Allows a Large OrthoVise™ Slap Hammer (#3950) to be attached to the side of the device. Available on Standard Large and Long Nose Large OrthoVise™ with Attachment Bolts only. (Cannot be added on later.)



LONG NOSE LARGE

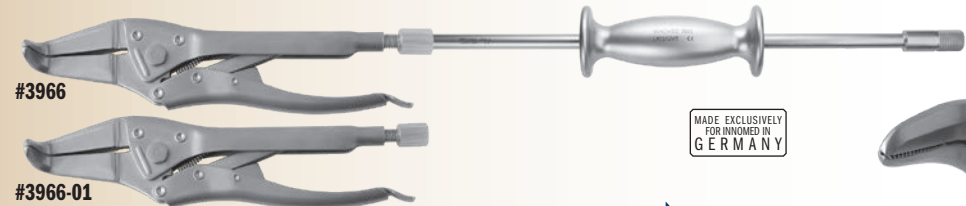
PRODUCT NO'S:	
	OrthoVise™ Length: 12" (30,5 cm)
3965	with Attachment Bolts (two sides & end) with Large OrthoVise™ Slap Hammer (#3950)
3965-01	with Attachment Bolts (two sides & end) without Slap Hammer



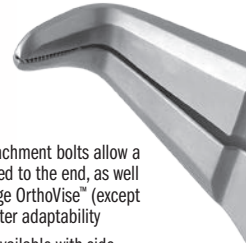
OrthoVise™
U.S. Patent #D398,208

LONG NOSE LARGE BENT JAW

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

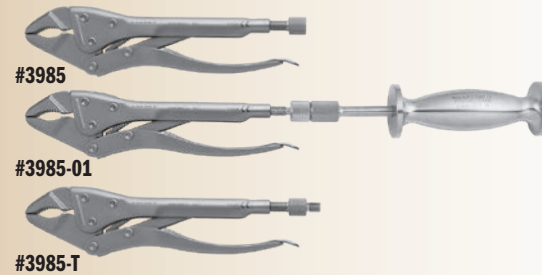


MADE EXCLUSIVELY
FOR INNOVEM
IN GERMANY



STANDARD SMALL

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



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

LONG NOSE SMALL

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



SLAP HAMMERS

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

For Large
OrthoVise



For Small
OrthoVise



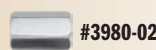
Standard
with 16" Rod



THREADED ADAPTERS

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

Small Adapter



#3980-02



Female/Female
Adapter Converts
from Male/Male



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

Threaded Large



#3980-03

Threaded Small



#3985-03

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

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 which can be used against bone and delrin tips which can be used against an implant for slight placement adjustments.



PRODUCT NO:

5370 [Complete Set]

Set Includes/ Available Individually:

5370-01 [Rectangular Tip 11 mm x 4 mm Steel]

5370-02 [Oval Tip 13 mm x 8 mm Steel]

5370-03 [Crescent Tip 12 mm x 5 mm Steel]

5370-04 [Square Tip 9 mm x 9 mm Steel]

5370-05 [Round Tip 15 mm Steel]

5370-06 [Round Tip 12 mm Steel]

5370-07 [Round Tip 9 mm Steel]

5370-19 [Set Base] *Base Diameter: 3.5" (8,9 cm)*

5370-D1 [Rectangular Tip 11 mm 4 mm Delrin]

5370-D2 [Oval Tip 13 mm x 8 mm Delrin]

5370-D3 [Crescent Tip 12 mm x 5 mm Delrin]

5370-H [Modular Handle]

Overall Length: 8" (20,3 cm)

Grip Length: 4.5" (11,4 cm)



9 mm Round
#5337

12 mm Round
#5336

15 mm Round
#5335

9 mm Square
#5334

2 mm Tapered
#5333

12 x 7 mm Rectangle
#5332

11 x 4 mm Rectangle
#5331

Ortho Impactors



PRODUCT NO'S:

Overall Length: 9" (22,9 cm)
Shaft Diameter: 9 mm

5331 [11 x 4 mm Rectangle]

5332 [12 x 7 mm Rectangle]

5333 [12 mm Tapered]

5334 [9 mm Square]

5335 [15 mm Round]

5336 [12 mm Round]

5337 [9 mm Round]

Universal Bone Grafting /Impacting Forceps

Designed by J. A. Amis, MD

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

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



Long 10" with 1/8" (3,2 mm) Diameter End #5050-01

Long 10" with 3/16" (4,8 mm) Diameter End #5050-02

Long 10" with 1/4" (6,3 mm) Diameter End #5050-03

Long 10" with 5/16" (8 mm) Diameter End #5050-04

Short 6" with 1/8" (3,2 mm) Diameter End #5010-01

Short 6" with 3/16" (4,8 mm) Diameter End #5010-02

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

Short 6" with 5/16" (8 mm) Diameter End #5010-04

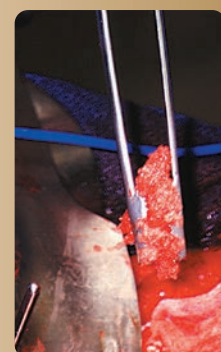
1/8"
(3,2 mm)

3/16"
(4,8 mm)

1/4"
(6,3 mm)

5/16"
(8 mm)

Diameter ends
at actual size
(closed forceps)



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

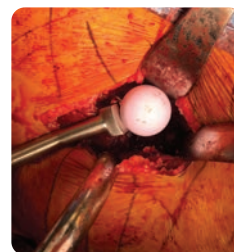
MADE EXCLUSIVELY
FOR INNOMED IN
GERMANY

Anterior Femoral Punches

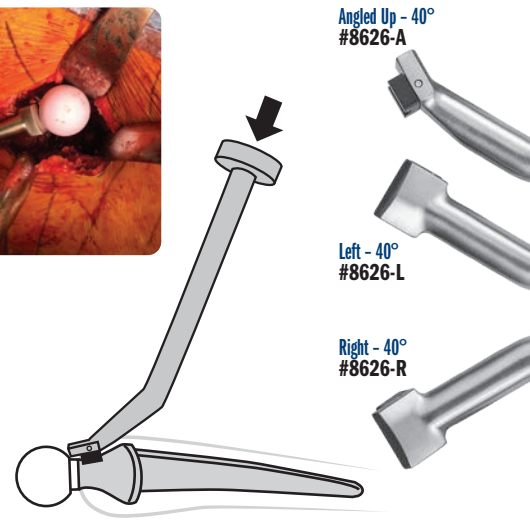
Designed by Brandon Thompson, CST/CFA

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

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



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

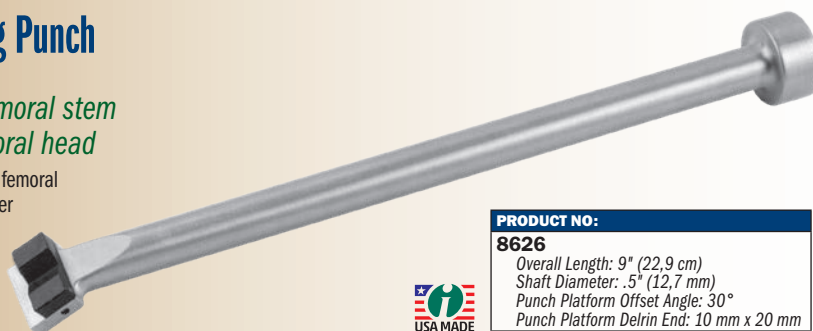


Femoral Head Disengaging Punch

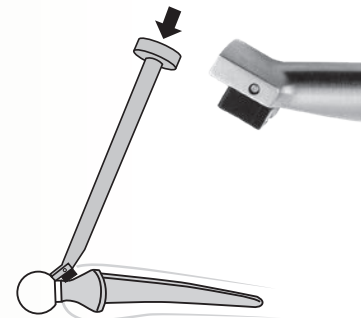
Designed by Brandon Thompson, CST/CFA

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



Intramedullary Nail Removal Set

System designed to help remove an intramedullary nail



PRODUCT NO'S:	
2027-20 [Intramedullary Nail Removal Set]	
Set Includes / Available Individually:	
2027-06 [Stabilizing Bar]	Overall Length: 5.9" (15 cm)
2027-07 [Open End Wrench]	Overall Length: 3.94" (10 cm)
2027-11A [Extraction Spreader Size 1]	Overall Length: 2.75" (7 cm) Two included in set; product number is for one only
2027-11B [Extraction Spreader Size 1.5]	Overall Length: 2.75" (7 cm) Two included in set; product number is for one only
2027-11C [Extraction Spreader Size 2]	Overall Length: 2.75" (7 cm) Two included in set; product number is for one only
2027-11D [Extraction Spreader Size 2.5]	Overall Length: 2.75" (7 cm) Two included in set; product number is for one only
2027-11E [Extraction Spreader Size 3]	Overall Length: 2.75" (7 cm) Two included in set; product number is for one only
2027-12A [Extraction Assembly Rod & Slaphammer]	Overall Length: 18.5" (47 cm)
2027-12B [Extraction Push Rod]	Overall Length: 19" (48,3 cm)
2027-12C [Extraction Tightening Assembly]	Overall Length: 3" (7,6 cm) Handle Width: 2.125" (5,4 cm)
2027-CASE [Case]	Not Shown

INSTRUCTIONS FOR NAIL REMOVAL:

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



Stabilizing Bar #2027-06



Open End Wrench #2027-07



Extraction Spreader Size 1 #2027-11A
Two included in set; product number is for one only



Extraction Spreader Size 1.5 #2027-11B
Two included in set; product number is for one only



Extraction Spreader Size 2 #2027-11C
Two included in set; product number is for one only



Extraction Spreader Size 2.5 #2027-11D
Two included in set; product number is for one only



Extraction Spreader Size 3 #2027-11E
Two included in set; product number is for one only



Extraction Assembly Rod & Slaphammer #2027-12A



Extraction Push Rod #2027-12B

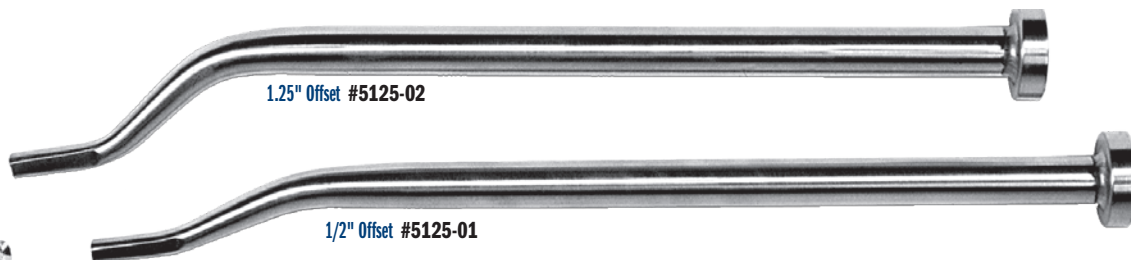


Extraction Tightening Assembly #2027-12C



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:

5125-01 [1/2" Offset]
Overall Length: 11" (27,9 cm)
Punch End Offset: 13 mm
Punch End Diameter: 7 mm

5125-02 [1.25" Offset]
Overall Length: 11" (27,9 cm)
Punch End Offset: 32 mm
Punch End Diameter: 7 mm

Use the Precision Osteotomy Guide to make osteotomy parallel to the shaft

Use the Precision Osteotomy Wedges to expand the osteotomy to help separate the bone from the component

Lower the Femoral Component Extractor onto the component stem

Use the Hex Wrench to engage the Threaded Push Rod onto the femoral component taper

Push Rod Disengaged

Push Rod Engaged

Attach the Slap Hammer to the Femoral Component Extractor and extract in line with the component shaft

Unger Universal Femoral Component Extractor with Precision Osteotomy Guide

Designed by Anthony Unger, MD

Designed to help extract a femoral component – includes a guide used to make an osteotomy cut and wedges to separate bone away from the component

PRODUCT NO'S:

3615-00 [Complete Assembly with Case]

Set Includes / Available Individually:

3615-01 [Femoral Component Extractor]
Overall Length: 3.25" (8,3 cm)
Width: 1" (2,54 cm)
Height: 1.5" (3,8 cm)

3615-02 [Precision Osteotomy Guide]
Overall Length: 6" (15,2 cm)
Width: .75" (1,9 cm)

3615-03 [Precision Osteotomy Wedge]
Two included in set, one with this product number
Overall Length: 3.9" (9,9 cm)

3615-05 [Hex Wrench]
Overall Length: 6.65" (16,9 cm)

3615-CASE [Case]

3925 [Standard Slap Hammer with 16" Rod]
Overall Length: 16" (40,7 cm)



Precision Osteotomy Guide

Femoral Component Extractor

Hex Wrench

Precision Osteotomy Wedges

Slap Hammer

Free trial offer excludes implant extraction instruments, which are available as rentals

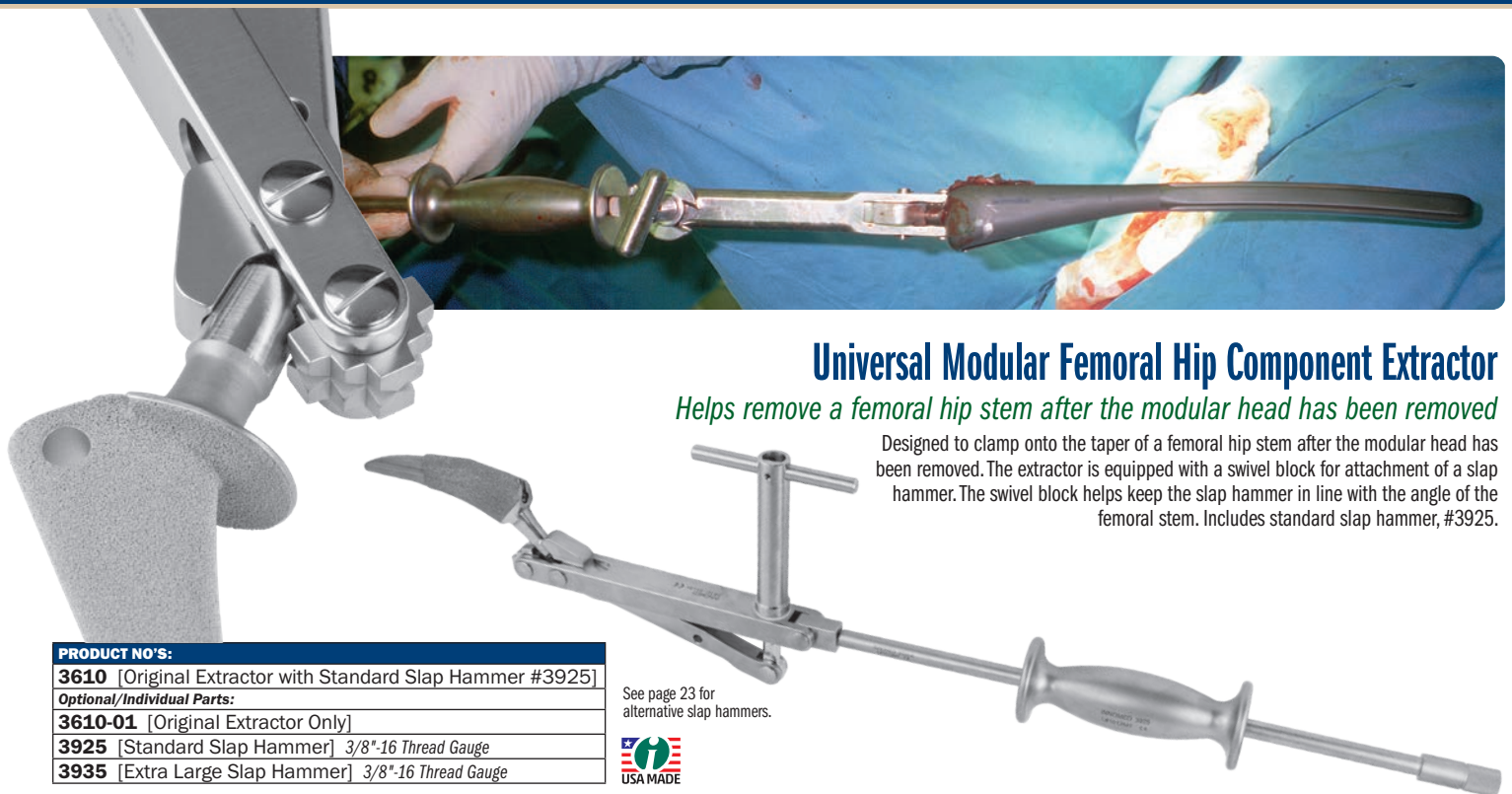
Most instruments are available for a no-charge two-week evaluation – includes FREE UPS Ground Shipping*

FREE TRIAL

*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.

EXTRACTOR RENTAL AVAILABLE

Call Toll-Free: 1-800-548-2362 ext. 111
For Complete Details, Pricing & More Information



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.

PRODUCT NO'S:

3610 [Original Extractor with Standard Slap Hammer #3925]

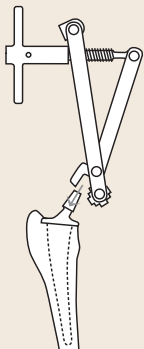
Optional/Individual Parts:

3610-01 [Original Extractor Only]

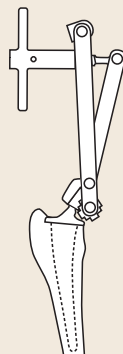
3925 [Standard Slap Hammer] 3/8"-16 Thread Gauge

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

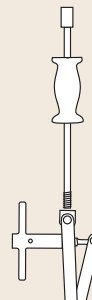
See page 23 for alternative slap hammers.



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.



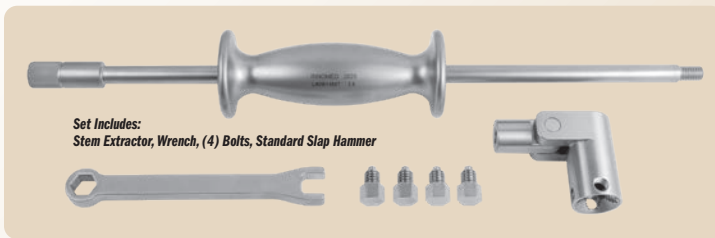
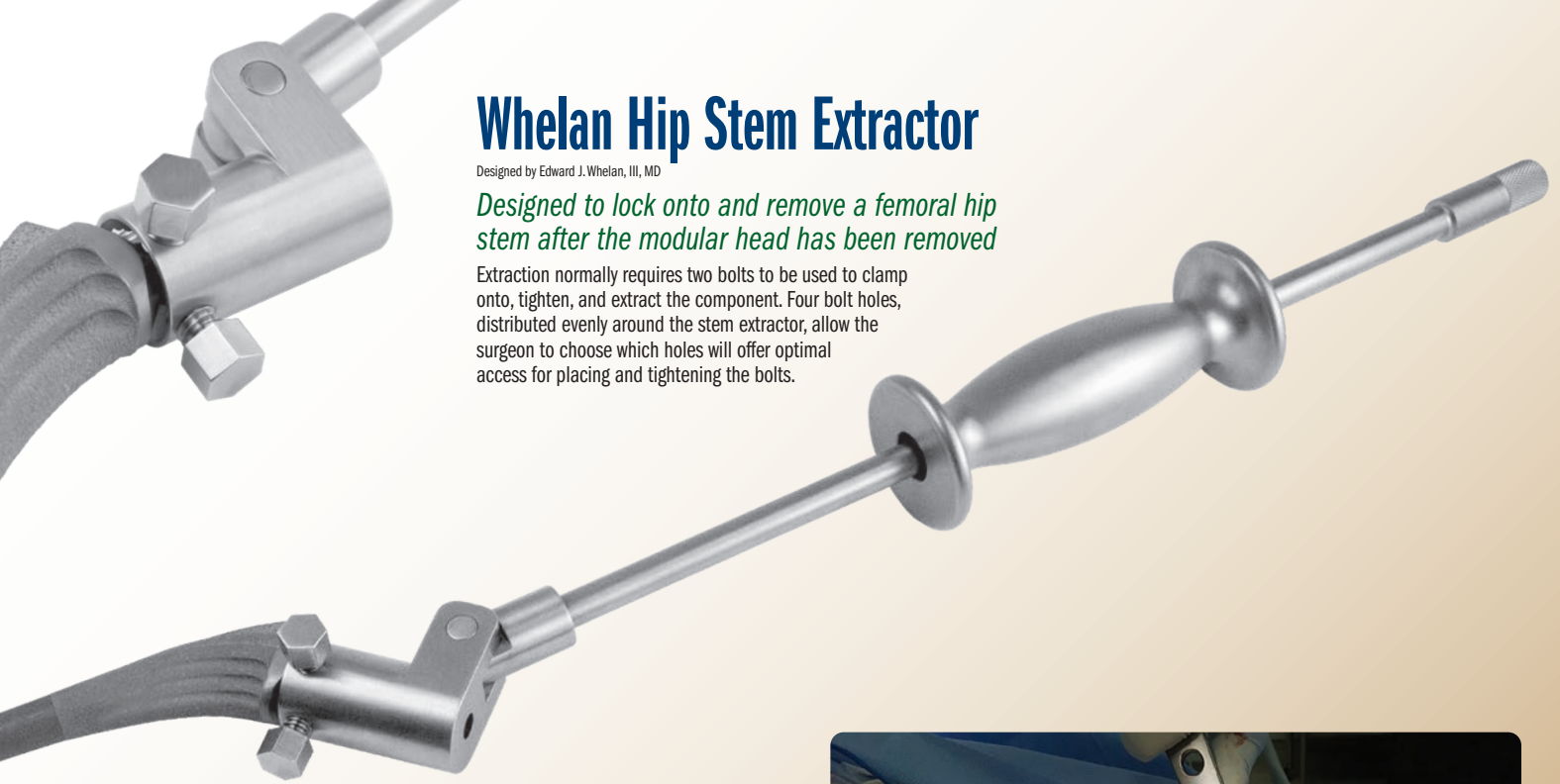
Extraction is carried out by the slap hammer or by utilizing a mallet on the hammer flares of the slap hammer.

Whelan Hip Stem Extractor

Designed by Edward J. Whelan, III, MD

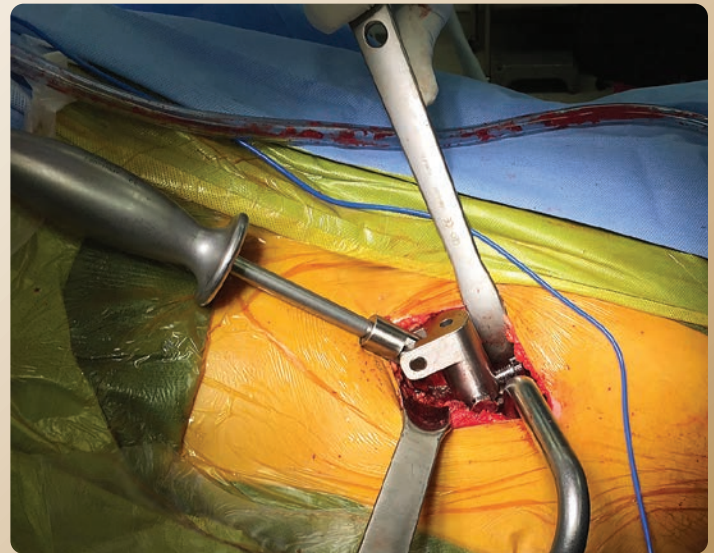
Designed to lock onto and remove a femoral hip stem after the modular head has been removed

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]
4175-W	[Stem Extractor Wrench]
4175-03	[Replacement Bolt]
3925	[Standard Slap Hammer] 3/8"-16 Thread Gauge



Whelan Extractor Strike Plate Attachment

A slap hammer alternate for extraction help

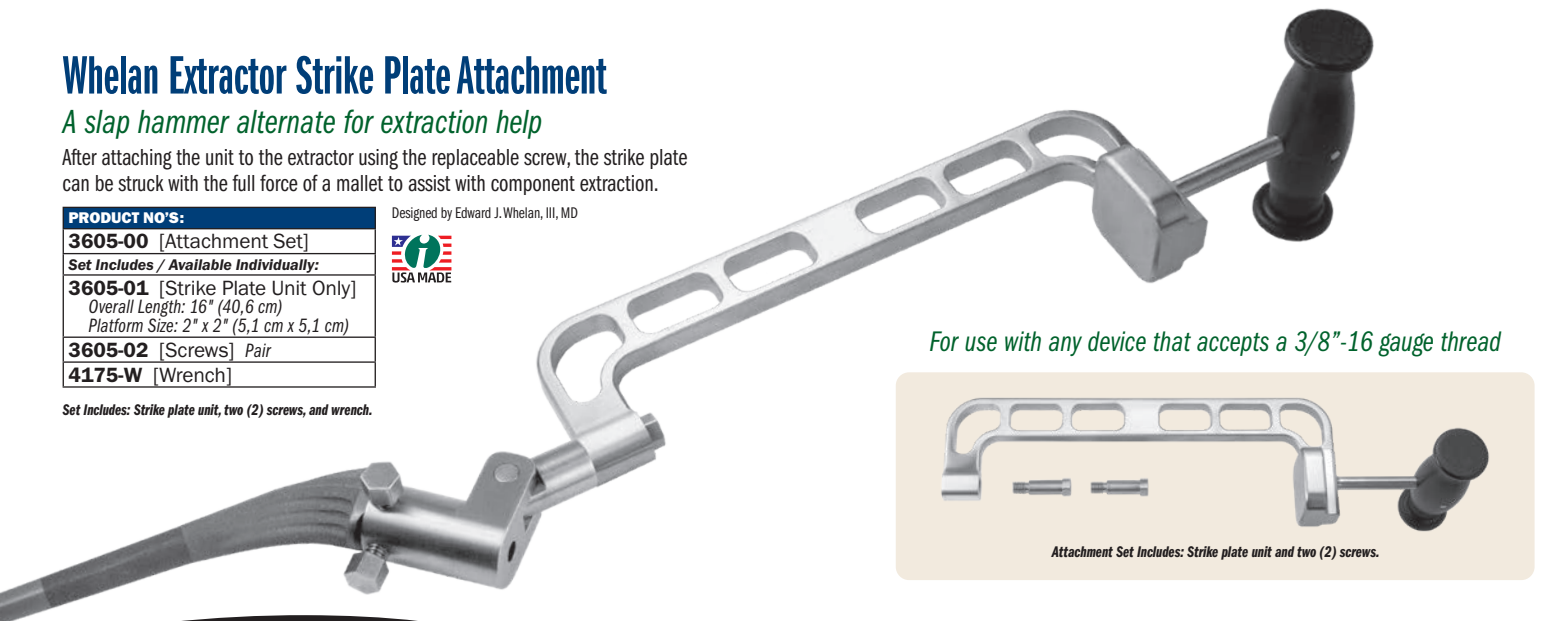
After attaching the unit to the extractor using the replaceable screw, the strike plate can be struck with the full force of a mallet to assist with component extraction.

PRODUCT NO'S:	
3605-00	[Attachment Set]
Set Includes / Available Individually:	
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
4175-W	[Wrench]

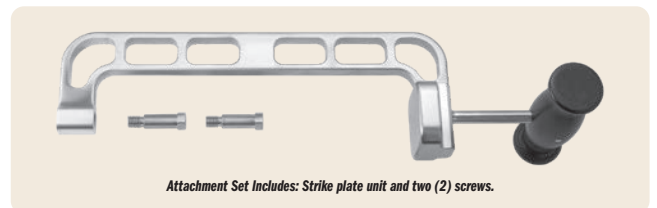
Set Includes: Strike plate unit, two (2) screws, and wrench.



Designed by Edward 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.

Femoral Extraction Instruments

Designed to help remove various types of femoral implants



Loop Extractor with Standard Slap Hammer
#S1202

Loop Extractor Only
#S1202-01



J-Hook Extractor with Standard Slap Hammer
#S1203

J-Hook Extractor Only
#S1203-01



One-Piece Extractor with Standard Slap Hammer
#S1204

One-Piece Extractor Only
#S1204-01



Standard Slap Hammer with 16" Rod #3925

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

See page 23 for alternative slap hammers.

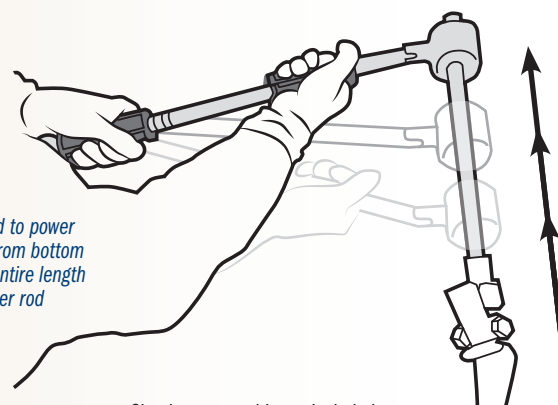


Atlant Super Slap Hammer

Designed for when extra powerful slap hammer force is needed



Slap hammer rod not included - available separately.



Force can be used to power the drive weight from bottom to top along the entire length of the slap hammer rod

Slap hammer rod is not included.

PRODUCT NO'S:	
3924-S	[Atlant Super Slap Hammer] Overall Length: 16" (40,7 cm) Slap hammer rod not included.
3925-A	[16" Rod only] 3/8"-16 Thread Gauge



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
3615-00	Unger Universal 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

3638-00	Lombardi Hip Cup Liner/Shell Extractor
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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
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General

3966	Large Bent Jaw OrthoVise
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Standard Slap Hammers

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

PRODUCT NO'S:	
3925	[Standard Slap Hammer with 16" Rod] 3/8"-16 Thread Gauge
3935	[Extra Large Slap Hammer with 16" Rod] 3/8"-16 Thread Gauge
Also available individually:	
3925-A	[16" Rod only] 3/8"-16 Thread Gauge



Standard Slap Hammer with 16" Rod #3925



Extra Large Slap Hammer with 16" Rod #3935



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

Fixed Blades in Two Lengths

Blade Diameters from 42mm-80mm
Can typically be used for multiple procedures, then replaced through our Blade Discount Program.

Impaction 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.

Ultra hard titanium nitride coating for extended blade life

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 Discount Program

For used CupX blade instruments we offer a Blade Discount Program. Please see our website or call for details.

System Rental Available

Available on a single procedure basis

Rental Details

Rental is available in several configurations:

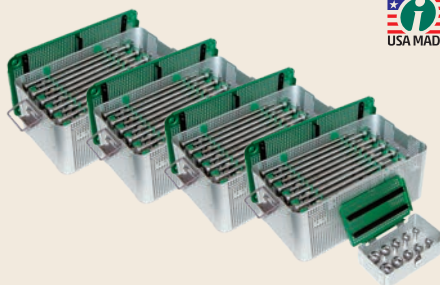
- 4 cases with all sizes, including 2 sets of heads
- 3 cases, including 2 sets of heads
- 2 cases, including 2 sets of heads
- 1 case, including 2 sets of heads
- 1 size (starter & finish), including 2 sets of heads

Each case includes 5 Starter and 5 Finish Instruments

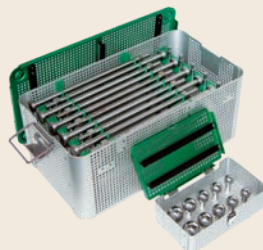
Rental Charges

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.**

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



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 (22mm-36mm)	
2 cases — 1 for Instruments, 1 for Heads	
Includes CupX Blade Contour Checking Templates for corresponding Blade Sizes Chosen, plus Ring	
5200-02	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 (22mm-36mm)	
2 cases — 1 for Instruments, 1 for Heads	
Includes CupX Blade Contour Checking Templates for 42 mm - 50 mm Blades, plus Ring	
5200-03	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 (22mm-36mm)	
2 cases — 1 for Instruments, 1 for Heads	
Includes CupX Blade Contour Checking Templates for 52 mm - 60 mm Blades, plus Ring	
5200-04	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 (22mm-36mm)	
2 cases — 1 for Instruments, 1 for Heads	
Includes CupX Blade Contour Checking Templates for 62 mm - 70 mm Blades, plus Ring	
5200-05	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 (22mm-36mm)	
2 cases — 1 for Instruments, 1 for Heads	
Includes CupX Blade Contour Checking Templates for 72 mm - 80 mm Blades, plus Ring	



Any component may be purchased individually

INDIVIDUAL FIXED HANDLE SHAFTS WITH FIXED BLADES		Blade Arc Diameter	INDIVIDUAL WRENCH HANDLE SHAFTS WITH FIXED BLADES	
Starter	Finish		Starter	Finish
5200-42	5201-42	42 mm	5208-42	5209-42
5200-44	5201-44	44 mm	5208-44	5209-44
5200-46	5201-46	46 mm	5208-46	5209-46
5200-48	5201-48	48 mm	5208-48	5209-48
5200-50	5201-50	50 mm	5208-50	5209-50
5200-52	5201-52	52 mm	5208-52	5209-52
5200-54	5201-54	54 mm	5208-54	5209-54
5200-56	5201-56	56 mm	5208-56	5209-56
5200-58	5201-58	58 mm	5208-58	5209-58
5200-60	5201-60	60 mm	5208-60	5209-60
5200-62	5201-62	62 mm	5208-62	5209-62
5200-64	5201-64	64 mm	5208-64	5209-64
5200-66	5201-66	66 mm	5208-66	5209-66
5200-68	5201-68	68 mm	5208-68	5209-68
5200-70	5201-70	70 mm	5208-70	5209-70
5200-72	5201-72	72 mm	5208-72	5209-72
5200-74	5201-74	74 mm	5208-74	5209-74
5200-76	5201-76	76 mm	5208-76	5209-76
5200-78	5201-78	78 mm	5208-78	5209-78
5200-80	5201-80	80 mm	5208-80	5209-80

INTERCHANGEABLE DELRIN HEADS		US Patent #7,998,146 B2	
5202-00	Complete Set with Case		
5202-39	39 mm	5202-50	50 mm
5202-40	40 mm	5202-51	51 mm
5202-41	41 mm	5202-52	52 mm
5202-42	42 mm	5202-53	53 mm
5202-43	43 mm	5202-54	54 mm
5202-44	44 mm	5202-55	55 mm
5202-45	45 mm	5202-56	56 mm
5202-46	46 mm	5202-57	57 mm
5202-47	47 mm	5202-58	58 mm
5202-48	48 mm	5202-59	59 mm
5202-49	49 mm	5202-60	60 mm



INDIVIDUAL INTERCHANGEABLE STEEL HEADS	
5202-22	22 mm
5202-26	26 mm
5202-28	28 mm
5202-32	32 mm
5202-36	36 mm
Optional Size:	
5202-38	38 mm



BLADE CONTOUR CHECKING TEMPLATES			
5200-T Complete Set with Ring			
Set Includes / Available Individually:			
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



Helps to evaluate blade arc accuracy after use

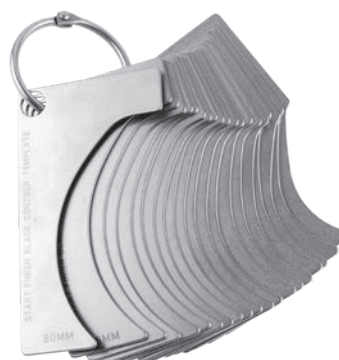


INSTRUMENT AND HEAD CASES ONLY	
9014	Case for 22 Delrin Heads
9015	Case for 5 Starter and 5 Finish Blades, plus 5 Heads
9016	Case for 10 Steel Heads



CupX Blade Contour Checking Templates

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



INDIVIDUAL CONTOUR TEMPLATES			
5200-T [Complete Set]			
Set Includes / Available Individually:			
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



New!

Garneti Hip Cup Revision Osteotome Set

Designed by Mr Naren Garneti MSc (Tr) MRCS MCh (Orth) FRCS (Tr & Orth)

Designed to help extract a well-fixed cementless porous acetabular component

Technique can be used without extracting the liner. Helps to preserve bone stock.



Curved #5275-01

Garneti Curved
Hip Cup Revision Osteotome

Designed to clear the acetabular margins.



Flat #5275-02

Garneti Flat
Hip Cup Revision Punch

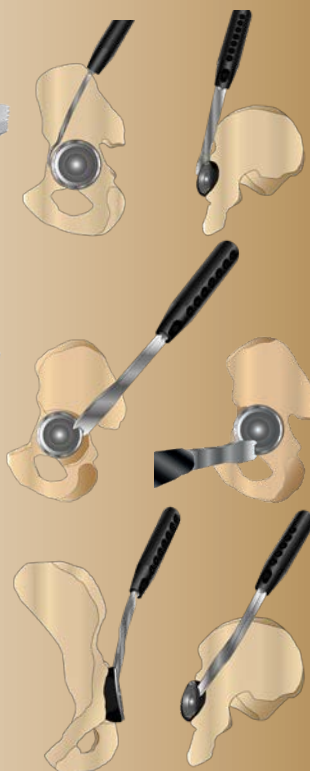
Designed to tap the acetabular component in several quadrants, helping to disrupt the implant-bone interface.



Concave #5275-03

Garneti Concave
Hip/Knee Revision Osteotome

Designed to tap the acetabular component in a clock-wise/anti-clockwise direction and finally in a retrograde direction to help with implant removal.



PRODUCT NO'S:

5275-00 [Set of One Each]

Set Includes / Available Individually:

5275-01 [Garneti Curved Hip Cup Revision Osteotome]

Overall Length: 11.4" (29 cm)

Blade Width (Maximum): .75" (1.9 cm)

Strike Plate End Diameter: 1.25" (3.2 cm)

5275-02 [Garneti Flat Hip Cup Revision Punch]

Overall Length: 11.2" (28.5 cm)

Blade Width: .865" (2.2 cm)

Strike Plate End Diameter: 1.25" (3.2 cm)

5275-03 [Garneti Concave Hip/Knee Revision Osteotome]

Overall Length: 11.1" (28.2 cm)

Blade Width: .7" (1.8 cm)

Strike Plate End Diameter: 1.25" (3.2 cm)



Surgical Technique Article:

A Simple Technique to Remove Well Fixed Porous Cementless Acetabular Component in Revision Total Hip Arthroplasty

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



11/13 #1151



12/14 #1152



14/16 #1153



PRODUCT NO'S:

1151 [11/13]

1152 [12/14]

1153 [14/16]

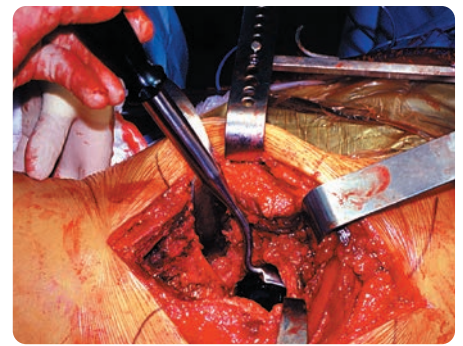


Modified Smith-Peterson Style Osteotomes for Acetabular Cup Removal

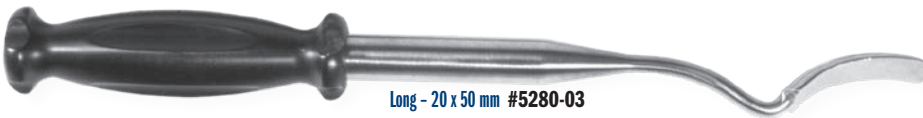
Designed by Merrill Ritter, MD

Multi-arch osteotomes help in removal of total hip cups

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.



Medium - 20 x 35 mm #5280-02



Long - 20 x 50 mm #5280-03

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

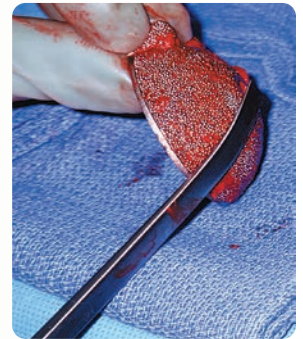


Modified Lambotte Cup Removal Osteotomes

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

Four osteotomes with different hemispherical radii allow the osteotomes to fit next to the outer surface of different size acetabular hip cups. The 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" (12,1 cm)
5240-48	Blade Width: 48 mm Overall Length: 12.75" (32,4 cm) Handle Length: 4.75" (12,1 cm)
5240-52	Blade Width: 52 mm Overall Length: 12.75" (32,4 cm) Handle Length: 4.75" (12,1 cm)
5240-56	Blade Width: 56 mm Overall Length: 12.75" (32,4 cm) Handle Length: 4.75" (12,1 cm)

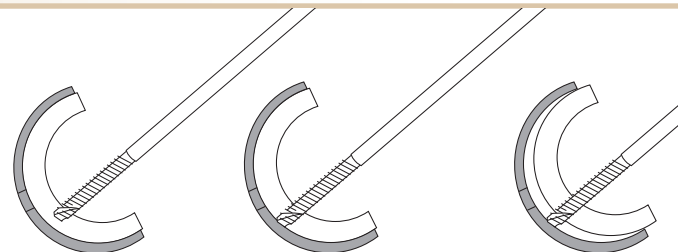


Poly Cup Liner Removal Drill

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.





Lombardi Hip Cup Liner/Shell Extractor

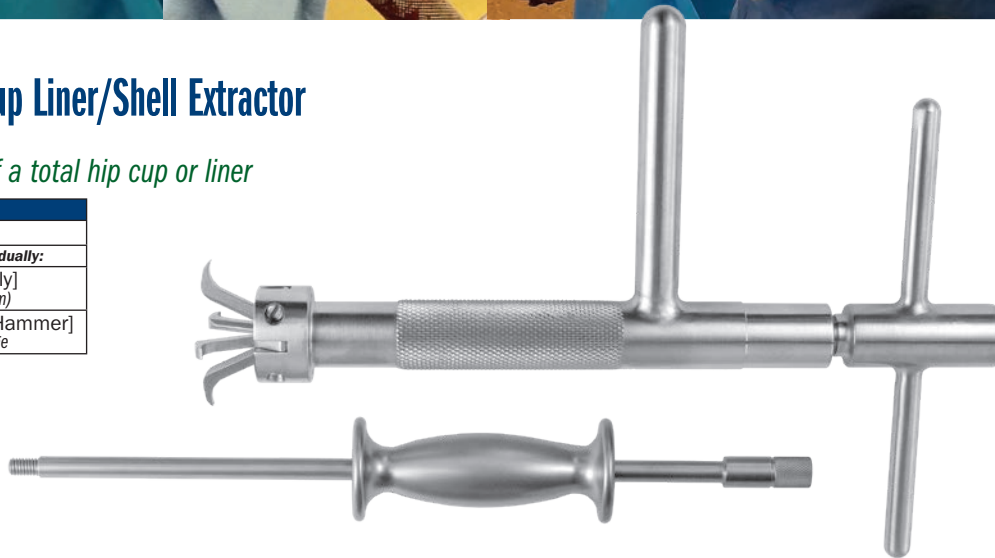
Designed by Adolph V. Lombardi, MD

Used for removal of a total hip cup or liner

PRODUCT NO'S:	
3638-00	[Set]
Set Includes / Available Individually:	
3638-01	[Remover Only]
Overall Length: 9.5" (24.1 cm)	
3925	[Standard Slap Hammer]
3/8"-16 Thread Gauge	



See page 23 for alternative slap hammers.



- ▶ 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
- ▶ 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 helpful for cemented cup extraction
- ▶ Set includes standard slap hammer #3925.

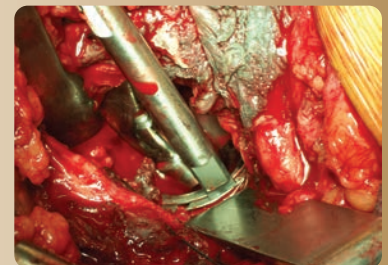
Star Metal Cup Liner Removal Impactor

Designed by Andrew M. Star, MD

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.

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

PRODUCT NO:	
5014	
Overall Length: 8" (20.3 cm)	

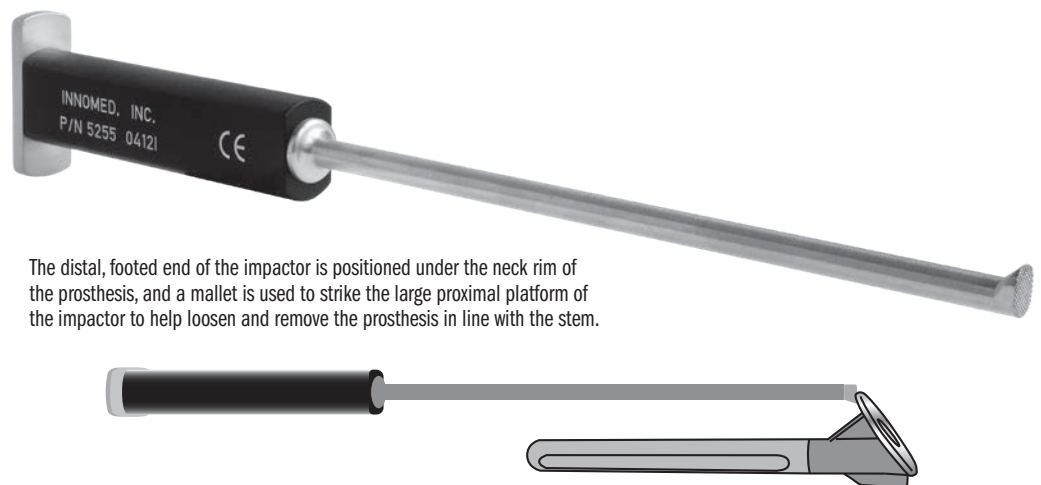


Nicholson Footed Impactor

Designed by Gregory Nicholson, MD

Designed to help remove a humeral prosthesis by impacting the medial collar from underneath, after a gap has been exposed between the rim/ bone interface

PRODUCT NO:	
5255	
Foot Pad Size: 8.5 mm x 11.5 mm	
Shaft Diameter: 8.5 mm (21.6 cm)	
Overall Length: 12.75" (32.4 cm)	
Handle Length: 4.5" (11.4 cm)	

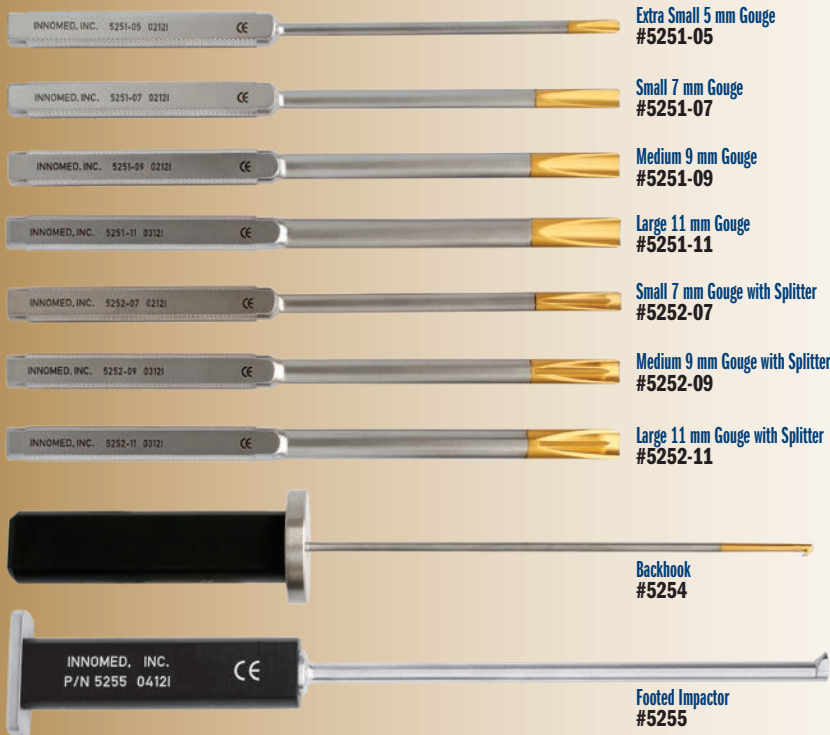


The distal, footed end of the impactor is positioned under the neck rim of the prosthesis, and a mallet is used to strike the large proximal platform of the impactor to help loosen and remove the prosthesis in line with the stem.

Nicholson Shoulder and Small Bone Cement Removal Instruments

Designed by Gregory Nicholson, MD

Designed to facilitate cement removal in smaller diameter bone of the humerus, ulna, and smaller implant geometries



Extra Small 5 mm Gouge
#5251-05

Small 7 mm Gouge
#5251-07

Medium 9 mm Gouge
#5251-09

Large 11 mm Gouge
#5251-11

Small 7 mm Gouge with Splitter
#5252-07

Medium 9 mm Gouge with Splitter
#5252-09

Large 11 mm Gouge with Splitter
#5252-11

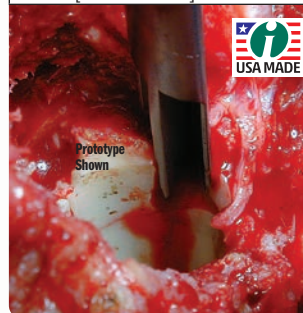
Backhook
#5254

Footed Impactor
#5255

- ▶ Reverse bevel tip helps the gouge to slide between the bone and cement
- ▶ T-shaped Gouge-Splitter allows the gouge to slide between the cement and bone and vertically split the cement mantle to facilitate removal
- ▶ Small diameter widths and curvatures more closely match shoulder and elbow implants and smaller bone diameters
- ▶ Shorter length allows for better control and access
- ▶ The footed impactor is used to help remove a humeral implant by impacting the medial collar of the prosthesis — helps provide a very direct parallel force to the implant for removal



PRODUCT NO'S:	
Gouges Overall Length: 9" (22,9 cm) Gouges Handle Length: 4" (10,2 cm)	
5251-00	[Complete Set w/Case]
Set Includes / Available Individually:	
5251-05	[Extra Small] Gouge Width: 5 mm
5251-07	[Small] Gouge Width: 7 mm
5251-09	[Medium] Gouge Width: 9 mm
5251-11	[Large] Gouge Width: 11 mm
5252-07	[Small w/Splitter] Gouge Width: 7 mm Splitter Height: 4 mm
5252-09	[Medium w/Splitter] Gouge Width: 9 mm Splitter Height: 5 mm
5252-11	[Large w/Splitter] Gouge Width: 11 mm Splitter Height: 6 mm
5254	[Backhook] Overall Length: 12.5" (31,8 cm) Handle Length: 4.5" (11,4 cm) Shaft Diameter: 4 mm
5255	[Footed Impactor] Foot Pad Size: 8.5 mm x 11.5 mm Shaft Diameter: 8.5 mm (21,6 cm) Overall Length: 12.75" (32,4 cm) Handle Length: 4.5" (11,4 cm)
5253	[Case for Set]



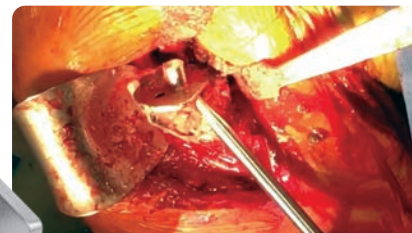
Levy Humeral Stem Extraction Punch

Designed by Jonathan Levy, MD

Ultra hard cobalt chrome shaft and impactor tip designed to help remove a humeral stem during revision total shoulder arthroplasty

Can be used to open up distal cement mantle or pedestal during revisions.

PRODUCT NO:	
8627	
Overall Length: 12" (30,5 cm) Handle/Platform Length: 4.75" (12,1 cm) Punch Rod Length: 7.25" (18,4 cm) Platform: 3" x .75" (7,6 cm x 1,9 cm) Shaft Diameter: 8 mm, tapers to 4 mm at tip	



12 mm
#5270-04

10 mm
#5270-03

6 mm
#5270-02

4 mm
#5270-01

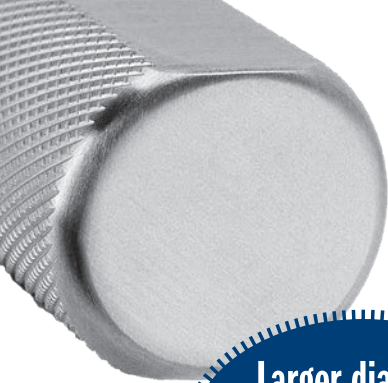
Mini-lexer Osteotomes

Helpful with osteophyte and cement removal

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

PRODUCT NO'S:	
5270-01	5270-03
Blade Width: 4 mm Overall Length: 7.25" (18,4 cm) Handle Length: 4" (10,2 cm)	Blade Width: 10 mm Overall Length: 7.25" (18,4 cm) Handle Length: 4" (10,2 cm)
5270-02	5270-04
Blade Width: 6 mm Overall Length: 7.25" (18,4 cm) Handle Length: 4" (10,2 cm)	Blade Width: 12 mm Overall Length: 7.25" (18,4 cm) Handle Length: 4" (10,2 cm)





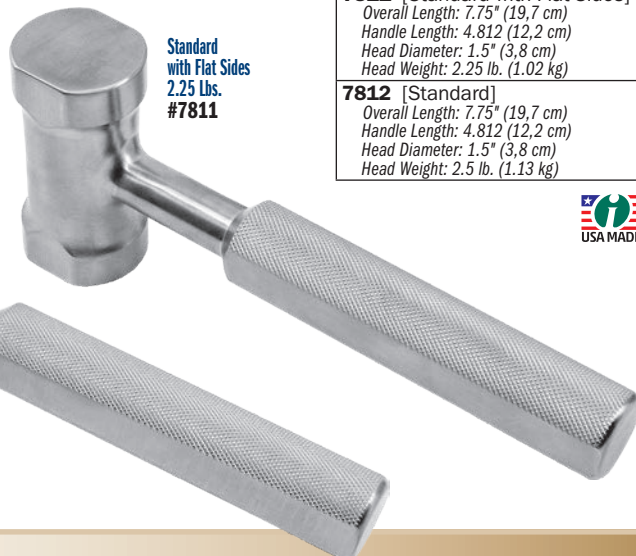
Ortho Mallets

New!

Larger diameter handle and longer for a better grip



Standard
2.5 Lbs.
#7812



Standard
with Flat Sides
2.25 Lbs.
#7811

PRODUCT NO'S:

7811 [Standard with Flat Sides]
Overall Length: 7.75" (19,7 cm)
Handle Length: 4.812 (12,2 cm)
Head Diameter: 1.5" (3,8 cm)
Head Weight: 2.25 lb. (1.02 kg)

7812 [Standard]
Overall Length: 7.75" (19,7 cm)
Handle Length: 4.812 (12,2 cm)
Head Diameter: 1.5" (3,8 cm)
Head Weight: 2.5 lb. (1.13 kg)



Soft Impact Mallets with Easy Grip Handles

Weidman handle designed by Kevin Weidman, MD

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

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

The mallet with delrin head features a replaceable delrin head.

Easy Grip Handles

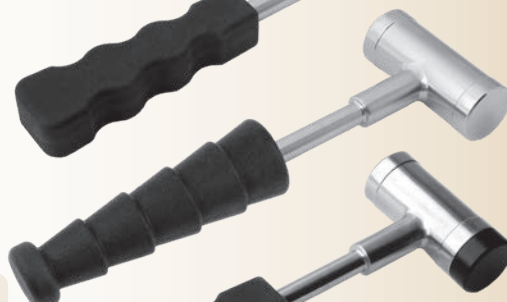
Textured
Soft
Silicone



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



2 lbs. Standard
#7820



2 lbs. w/Weidman Handle
#7821



2 lbs. w/Delrin End
#7832



3 lbs. Standard
#7837

Provides shock-absorbing force



Replacement Delrin Heads

PRODUCT NO'S:

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

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

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

7837 [3 lbs. Standard]
Weight: 3 lbs. (1.35 kg)
Overall Length: 11" (27,9 cm)
Handle Length: 5" (12,7 cm)
Head Width: 3.5" (8,9 cm)
Head Diameter: 1.875" (4,8 cm)

Delrin Head Replacements for 7832:

7832-HEAD01 [.5" Stud] Single

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

7832-HEAD03 [.875" Stud] Single

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



Small #7810



Large #7815

Easy Grip Handles Textured Soft Silicone



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

Ortho Mallets

with Easy Grip Handles

These solid stainless steel mallets each have a comfortable 4½" grip made of a textured silicone that helps prevent the surgeon's gloved hand from slipping and helps maintain a solid grip.

PRODUCT NO'S:

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

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



Non-Metallic Mallet

Designed by Justin Duke, MD

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



PRODUCT NO:

7834

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



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

PRODUCT NO:

7822

Overall Length: 10.75" (27,3 cm)
Head Width: 4" (10,2 cm)
Large Head Diameter: 2" (5,1 cm)
Small Head Diameter: 1.5" (3,8 cm)



Bechtold Enhanced Grip Ortho Mallet

Designed by Dustin Bechtold, MD

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

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)



PRODUCT NO:

7828 [2,5 lbs]

Overall Length: 9.15" (23,2 cm)
Handle Length: 6" (15,2 cm)
End Diameter: 3" (7,6 mm)



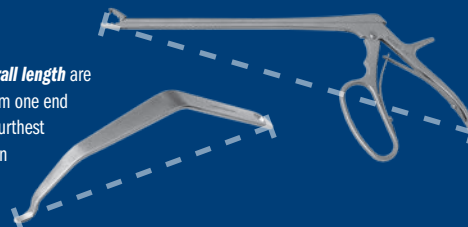
Aluminum Tapered Maul/Mallet

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

Measurements in this Catalog

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

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



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





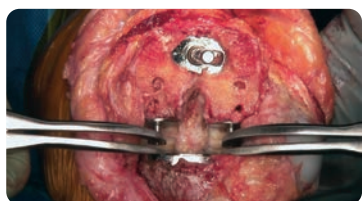
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FREE TRIAL on most instruments

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

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



Lawrence Revision Knee Gap Balancing Tensioner Set

Designed by Jeffrey M. Lawrence, MD

Designed to help tense the medial and lateral ligaments for gap balancing during revision surgery so that the AP cutting block does not impinge on the spreader during balancing

PRODUCT NO'S:

1896-01 [Set – Left & Right]

Set Includes / Available Individually:

1896-01L [Left]

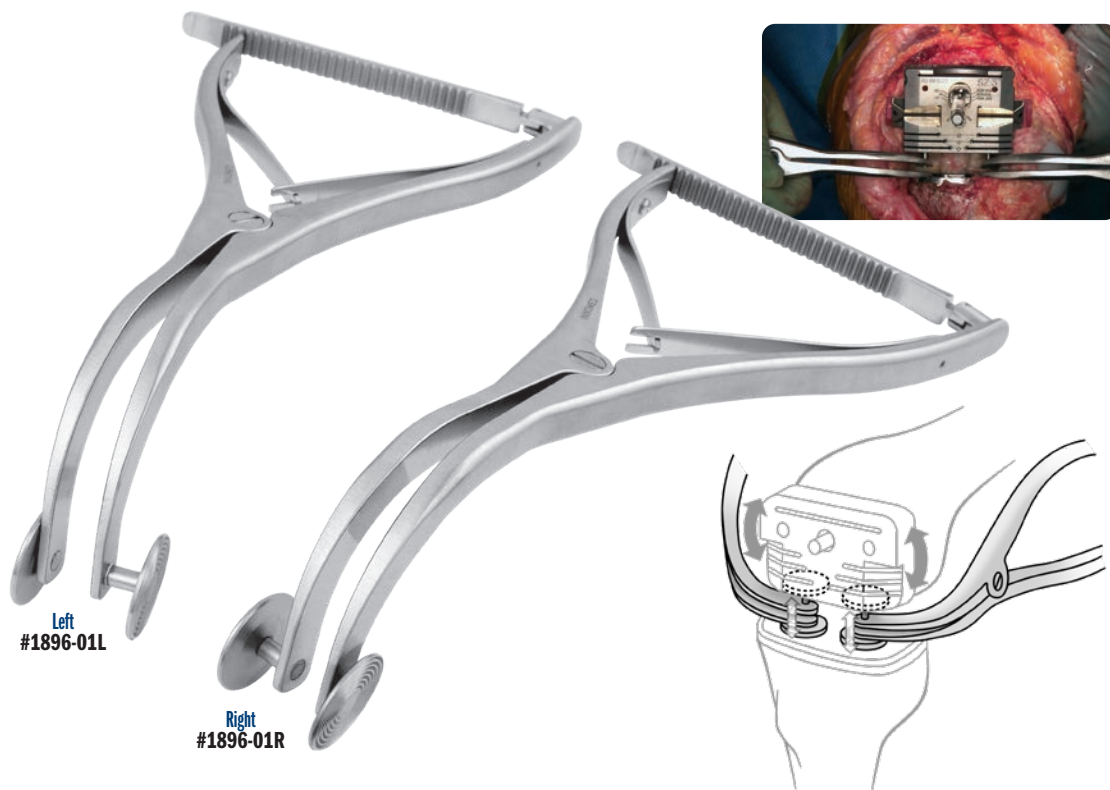
Overall Length: 9.25" (23,5 cm)

Pad Diameter: 1" (2,5 cm)

1896-01R [Right]

Overall Length: 9.25" (23,5 cm)

Pad Diameter: 1" (2,5 cm)



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