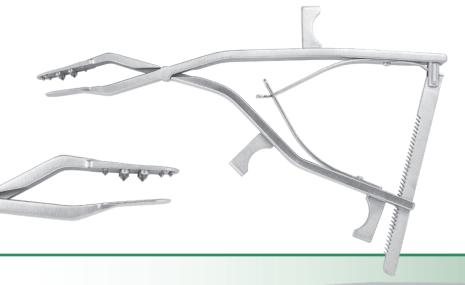


### **Knee Instruments**





### Andrews Modified Tibial Fragment Grasper

Designed by Scott Andrews, MI

Designed to help remove tibial bone during unicondylar and total knee arthroplasty

#### PRODUCT NO

1721

Overall Length: 10" (25,4 cm)
Jaw Dimensions: 1.44" x .72" (36,6 cc x 18,3 mm)
Lower Jaw Thickness: 1 mm

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### Rosenstein Tibial Fragment Grasper for UKA

Designed by Alexander D. Rosenstein, MD

Designed to help remove the tibial bone fragment in one piece during Unicompartmental Knee Arthroplasty





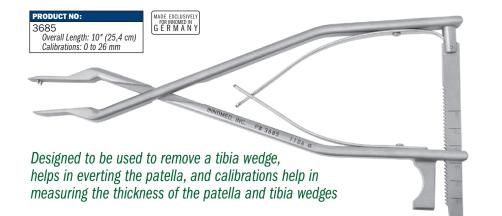
The narrow grasper with its thin lower jaw is inserted under the femoral condyle, helping to secure the tibial fragment throughout it's entire length, and to remove the fragment without breaking it. The angled design helps keep the surgeon's hands out of the way and facilitates visualization.

#### PRODUC

1720

Overall Length: 10" (25,4 cm)
Jaw Dimensions: 1.44" x .72" (36,6 mm x 18,3 mm)
Lower Jaw Thickness: .05" (1,2 mm)





### Universal Calibrated Tibia/Patella Clamp

Designed by S. David Stulberg, MI

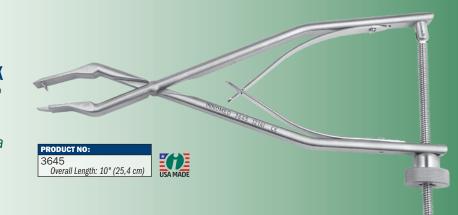




### Fracchia Tibia/Patella Clamp with Speed Lock

Designed to be used to remove a tibia wedge, and helps in everting the patella

Speed lock helps allow precise control and prevent unintended release.





### Sidhu Tibia Clamp

#### Designed to be used to securely grasp and remove an entire tibial wedge

The tapered lower pad slides under the cut tibial wedge without first having to use wedges, then, clamping allows the spikes in the upper pad to securely grasp the entire tibial wedge for easy removal.

3643

Overall Length: 10.25" (26 cm) Pads: 60 mm x 30 mm Spike Length: 7,5 mm



### **Andrews Modified Tibial Wedge Clamp**

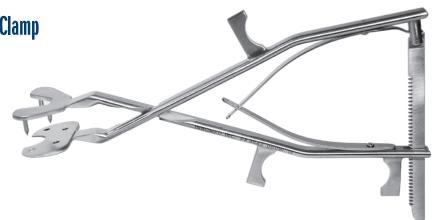
Designed by Scott Andrews, MD and Kuldeep Sidhu, MD

#### Designed to help remove the cut tibial bone during total knee procedures

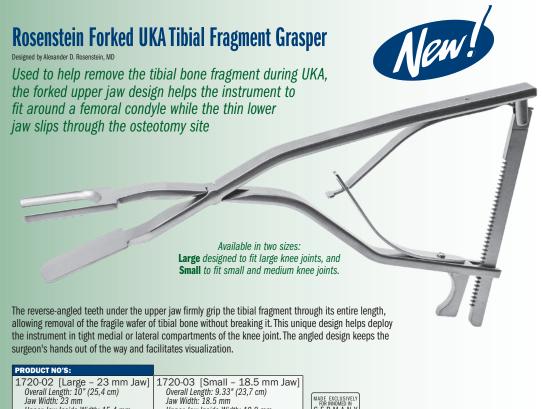
The bone is held by the spikes which helps it to come out in one piece, and also helps with release of soft tissues from the bone.

Overall Length: 10.25" (26 cm) Pads: 60 mm x 30 mm Front Spike Length: 14 mm Back Spike Length: 7,5 mm

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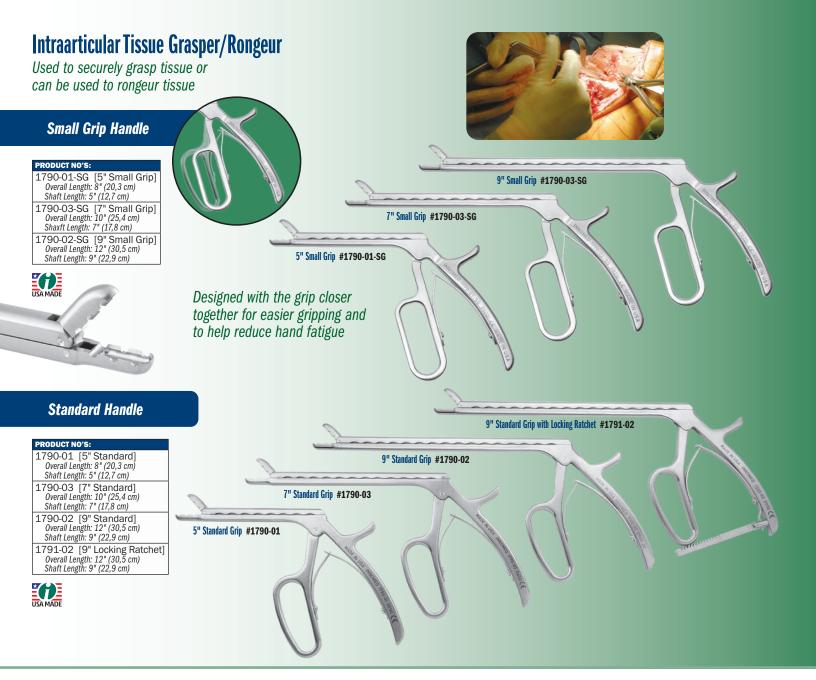
**JANUARY 2024** 

Upper Jaw Inside Width: 15.4 mm

1720-03 [Small – 18.5 mm Jaw] Overall Length: 9.33" (23,7 cm) Jaw Width: 18.5 mm Upper Jaw Inside Width: 10.8 mm

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**KNEE INSTRUMENTS** 



### **Sure Grip Soft Tissue Grasper**

Designed by Andrew Glassman, MD

### Enables the surgeon to securely grasp soft tissue structures within the knee

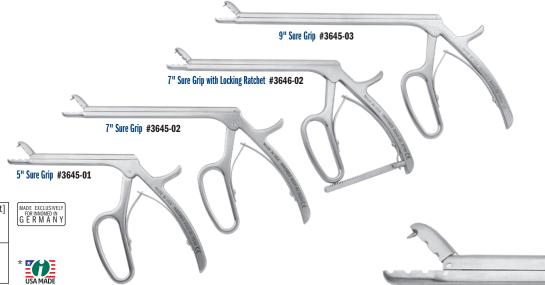
Incorporates a 3 mm spike into its upper jaw with a matching recess in the lower jaw, enabling the surgeon to securely grasp soft tissue structures within the knee. Particularly useful for grasping the posterior horn of either the medial or lateral meniscus. Also useful when excising the cruciate ligaments, capturing loose bodies, holding the retinaculum during patellar preparation, and grasping the capsule during wound culture.

#### PRODUCT NO'S:

3645-01 [5"] Overall Length: 8" (20,3 cm) Shaft Length: 5" (12,7 cm) Spike Depth: 3 mm

3645-02 [7"] Overall Length: 10" (25,4 cm) Shaft Length: 7" (17,8 cm) Spike Depth: 3 mm 3646-02\* [7" with Ratchet] Overall Length: 10" (25,4 cm) Shaft Length: 7" (17,8 cm) Spike Depth: 3 mm

3645-03 [9"] Overall Length: 12" (30,5 cm) Shaft Length: 9" (22,9 cm) Spike Depth: 3 mm



### **Shark Tooth Graspers**

Designed by Luis Ulloa

Sharp teeth help grasp onto tissue and bone

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

#### **Small Grip Handle**

#### PRODUCT NO'S:

- 1798-SG [7" Small Grip] Jaw Size: 6 mm x 10 mm Overall Length: 10" (25,4 cm) Shaft Length: 7" (17,8 cm)
- 1799-SG [9" Small Grip] Jaw Size: 6 mm x 10 mm Overall Length: 12" (30,5 cm) Shaft Length: 9" (22,9 cm)







Designed with the grip closer together for easier gripping and to help reduce hand fatigue



#### Standard Handle

#### PRODUCT NO'S:

- 1797 [5" Standard] Jaw Size: 6 mm x 10 mm Overall Length: 8" (20,3 cm) Shaft Length: 5" (12,7 cm)
- 1798\* [7" Standard]

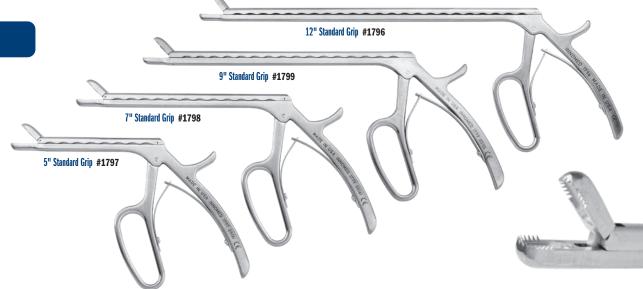
  Jaw Size: 6 mm x 10 mm

  Overall Length: 10" (25,4 cm)

  Shaft Length: 7" (17,8 cm)
- 1799\* [9" Standard] Jaw Size: 6 mm x 10 mm Overall Length: 12" (30,5 cm) Shaft Length: 9" (22,9 cm)
- 1796 [12" Standard] Jaw Size: 6 mm x 10 mm Overall Length: 15" (38,1 cm) Shaft Length: 12" (30,5 cm)



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Shark Tooth Jaw

## Cartilage Graspers Designed by Luis Ulloa Helps to grasp and hold cartilage, tendons, soft tissues and loose bodies

Shaft allows for use in narrow spaces.





tion by Michael Soudry, MD

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- 1777 [5" with Shark Teeth] Shaft Length: 5" (12,7 cm) Overall Length: 8.25" (21 cm) Jaw Bite: 2 mm x 6.5 mm
- 1779 [8" with Shark Teeth] Shaft Length: 8" (20,3 cm) Overall Length: 11.25" (28,6 cm)

5



Saw Tooth Jaw



PROI 178 Sh Ov

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

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### **Proximal Tibia Resection Shark Clamp**

Designed by Shara Diers, PA-C

Designed to help grasp and remove the cut proximal portion of the tibia during total or uni knee arthroplasty



### **Tissue Graspers with Shark Teeth**

Shark teeth help to grasp on to tissue and bone

Shaft allows for use in narrow spaces.

- 1784-01 [Up Angled Jaw] Shaft Length: 7" (17,8 cm) Overall Length: 10" (25,4 cm) Jaw: 9 mm Long x 5 mm High x 1.8 mm Wide
- 1784-02 [Straight Jaw]
  Shaft Length: 7" (17,8 cm)
  Overall Length: 10" (25,4 cm)
  Jaw: 9 mm Long x 5 mm High x 1.8 mm Wide
- 1784-03 [Down Angled Jaw] Shaft Length: 7" (17,8 cm) Overall Length: 10" (25,4 cm) Jaw: 9 mm Long x 5 mm High x 1.8 mm Wide

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### **Soudry Loose Body Grasper**



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







INNOMED.NET

#### **STANDARD LARGE**

PRODUCT N	l0'S:
	OrthoVise™ Length: 10" (25,4 cm)
3980	with Attachment Bolts (two sides & end) with Large OrthoVise™ Slap Hammer (#3950)
3980-01	with Attachment Bolts (two sides & end) without Slap Hammer
3981	without Attachment Bolts without Slap Hammer with End Attachment Nut that accepts a Standard Slap Hammer (#3925 or 3926)

#### **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

#### **LONG NOSE LARGE BENT JAW**

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

#### **STANDARD SMALL**

PRODUCT N	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	

#### **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**

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

#### **THREADED ADAPTERS**

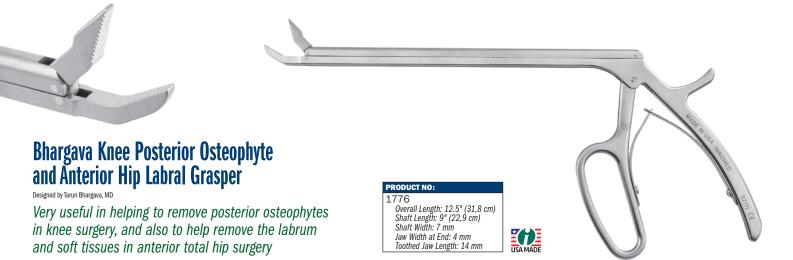
PRODUCT N	PRODUCT NO'S:	
3980-02	[Small Adapter] Changes Male End of a Slap Hammer to Female	
3980-03	[Threaded Adapting Screw - Large] For use with 3965's, 3966's, 3980's, 3981	
3985-03	[Threaded Adapting Screw – Small] For use with: 3975's, 3985's	



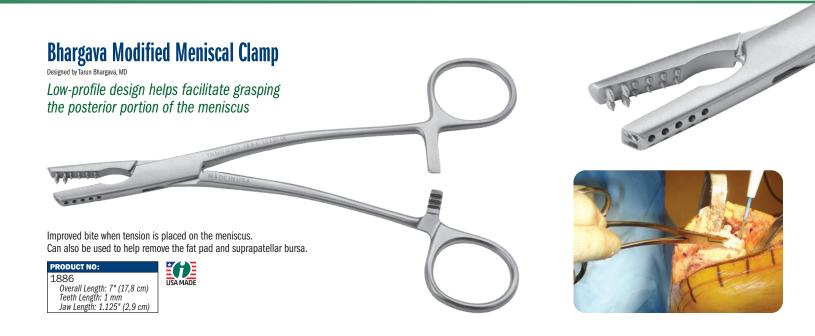
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### **Delrin Insert Pliers**

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



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### Modified Rongeur with Pistol Grip Handle

Design modification by Morteza Meftah, MD and Ira Kirschenbaum, MD, of an original design by James T. Mazzara, MD.

A thin top cutter and deep lower cutter, with edges that are rounded off, allows the top cutter to slide into a tight space—specifically the acetabulum or the patella—while the pistol grip helps lessen hand fatigue and slippage, and allows for better visualization

PRODUCT NO:

Jaw Bite Length: 18 mm Jaw Bite Width: Tapered from 7 to 4.5 mm Overall Length: 10" (25,4 cm)



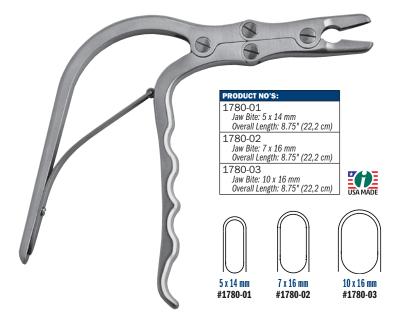


### **Ortho Rongeur with Easy Grip Handle**

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

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







### Mazzara Rongeur with Pistol Grip Handle

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







#1765-01

7 x 16 mm #1765-02

10 x 16 mm #1765-03

### Mazzara Rongeur for Small Bones

Designed by James T. Mazzara, MD

Designed for bone and soft tissue removal in small joint surgery, the pistol grip handle lessens hand fatigue and slippage, and allows for better visualization

Available in two jaw sizes.

### PRODUCT NO'S: 1765-04

Jaw Bite: 2 x 10 mm Overall Length: 7.25" (18,4 cm)

1765-05 Jaw Bite: 4 x 10 mm Overall Length: 7.25" (18,4 cm)







### **Hannum Tissue Grasper**

Designed by Scott Hannum, M

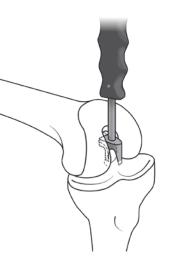
### Teeth in jaw firmly holds bone and tissue

Non-locking design can be easily gripped while allowing greater pressure to be applied. Available in three jaw sizes: short jaw for holding bone, medium jaw for smaller bones, and long jaw for tissue.

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### **Meftah PCL Protector**

Designed by Morteza Meftah, MD

Designed to help protect the posterior cruciate ligament in cruciate retaining total knee surgery during the proximal tibial cut

The PCL Protector can be used efficiently right before the tibial cut. It is curved distally so that it can put over the PCL from the top/posterior side and with a few taps, the fanned blade can get around the PCL and into the bone (not more than 5 mm) and "cover" the PCL. The protector is left in place until the tibial cut is made with a saw, which would hit the protector instead of the PCL if it gets too close.

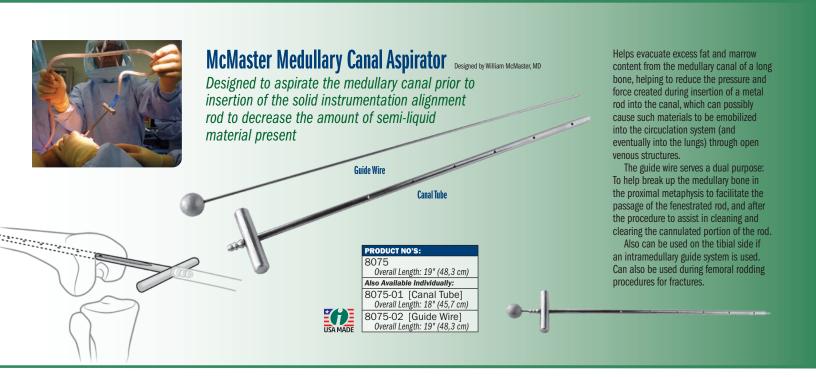
PRODUCT NO:

3221 Overall Length: 8" (20,3 cm)













Designed by Adam Rosen, DO

A locking caliper designed to help accurately measure the offset of the tibia from the surface of the distal femur

1 2 3 4 5 6 7 Instruction limits of the limi

#### PRODUCT NO

5286

Overall Length: 3.75"- 6.25 (9,5 - 15,9 cm) Overall Height: 2.75" (17,6 cm)









Designed to measure the posterior femoral condyle after the posterior cuts have been made in total knee arthroplasty

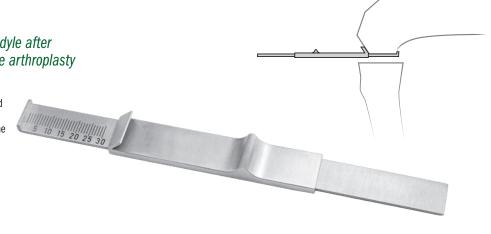
By measuring the depth of the residual condyle, the surgeon can resect excessive bone and measure the bone remaining to avoid impingement of the condyle against the tibial component which could impair knee flexion. The gauge is applied to the inferior or posterior cut surface of the femoral condyle, and the back to front residual bone is measured and then removed as needed. Measures to 30 mm.



1194

194 Overall Length: 6" (15,2 cm) Width: .568" (14,4 mm)







### **Ortho Caliper**

Designed by Odell Woods

#### PRODUCT NO

5285 Caliper: 0 to 12 cm Leg Depth: 2" (5,1 cm) Overall Length: 6" (15,2 cm) Length expands to: 10.5" (26,7 cm)



### Mengato Depth Gauge Designed by Richard Mengato, MD

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

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

#### PRODUCT NO:

1139

Overall Length - Contracted: 7.125" (18,1 cm) Overall Length - Extended: 9.125" (23,2 cm) Gauge: 0 to 50 mm

US Patent # 8.512.349



### **Depth Gauge**

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

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### Tibia AccuAngle

Designed to be placed on the tibia cutting block to check if the cut is level

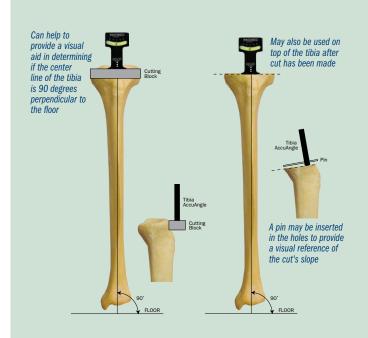
Magnetic base helps to hold the AccuAngle in place on a cutting block.

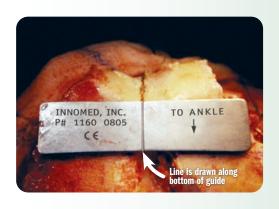




1145 Dimensions 2"x 3" (5,1 cm x 7,6 cm)







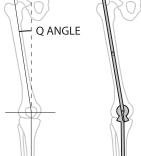
A line is drawn down the deepest part of the trochlear sulcus (Whiteside line) with a marking pen or cautery. The post on the guide is inserted into the hole in the femur made for an intramedullary alignment guide. The trans-sulcus angle guide is then rotated until the line on the guide lines up with the Whiteside line. A line is then drawn along the bottom of the guide.

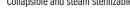
### **Trans-sulcus Angle Guide**

Helps to establish the trans-sulcus line



to the femoral head or the anterior superior iliac spine. The collapsible stainless steel device is autoclavable.









ANKLE



### **Articulated Measuring Device** with Ruler

Designed by Vincent Y. Ng, MD

A highly precise (within 1 mm) device designed for measuring distances between two points — can be used even if there are intervening structures like soft tissue or bone, and in situations where a straight ruler will not work

Example of use include measuring limb length in total hip arthroplasty, confirming length in megaprosthetic knee replacements, and assessing dimensions of allografts.

#### PRODUCT NO'S:

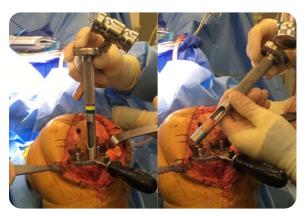
2026-00 [Measuring Device with Ruler] Set Includes/ Available Separately:



2026-02 [Ruler Only] Overall Length: 9" (22,9 cm) Width: .79" (2 cm)

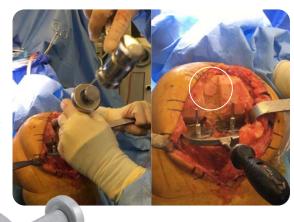






Use punch to remove tibial bone plug, then...

...use tamp to insert plug as autograft for the femoral intramedullary alignment hole



### Goytia Osteotome Punch Tamp Assembly

Designed by Robin Goytia MD

Designed for removing a tibial bone plug to use as autograft for the femoral intramedullary alignment hole in total knee replacement

#### PRODUCT NO'S:

5339-00 [Punch & Tamp Set] Set Includes / Available Individually:

5339-01 [Osteotome Punch] Overall Length: 7.75" (19,7 cm) Outside Diameter: 16 mm Inside Diameter: 13.7 mm



5339-02 [Tamp] Overall Length: 7.75" (19,7 cm) Diameter: 12.3 mm



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0° Flat Rasp #6906-02

2° Left Rasp



### Grant TKA Anatomic Bone File Set

Designed by Richard E. Grant, MD

A bone rasp and plumb rod set designed for TKA tibial cut surface preparation

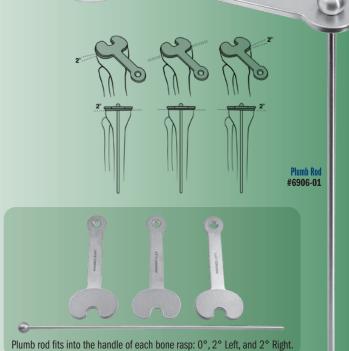
cut surface preparation		
PRODUCT NO'S:		
6906-00 [Set]		
Set Includes/ Available Separately:		
6906-01 [Plumb Rod] Overall Length: 14" (35,6 cm)		
6906-02 [O° (Flat) Rasp] Overall Length: 6.375" (16,2 cm) Rasp Platform Length: 1.7" (4,3 cm) Rasp Platform Width: 2.7" (6,9 cm)		
6006 02 [2º Bight Boon]		

6906-03 [2° Right Rasp] Overall Length: 6.375" (16,2 cm) Rasp Platform Length: 1.7" (4,3 cm) Rasp Platform Width: 2.7" (6,9 cm) 6906-04 [2° Left Rasp] Overall Length: 6.375" (16,2 cm) Rasp Platform Length: 1.7" (4,3 cm)

Rasp Platform Width: 2.7" (6,9 cm)



Patent Pending



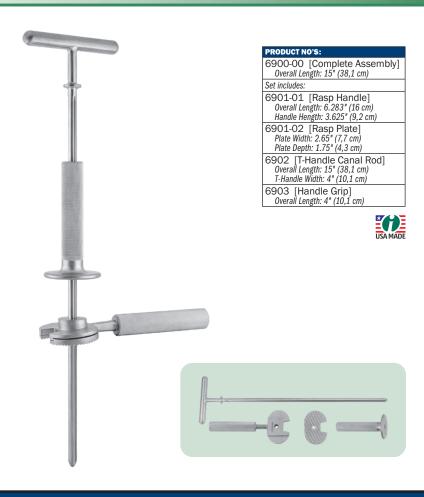
### Colwell TKA 5° Tibial Rasp Assembly

Designed by Clifford W. Colwell Jr., MD

A tibial planing tool with a universal design to help improve tibial cut alignment and flatness by smoothing out imperfections intraoperatively, helping to ensure the tibial bone surface is cut correctly in coronal and sagittal planes

After the planer rasp handle/plate unit is threaded onto the intramedullary rod, the handle is moved back and forth through an arc while the cutting surface of the planer is held against the tibial bone, to realign the cut and to remove any imperfections. For use with any primary or revision knee system when an intramedullary cutting guide is being used.







### **Tibial Impactor**

Assists in MIS unicompartmental cemented tibial tray impaction, and can also be helpful for impaction of other components such as ankle

#### PRODUCT NO'S:

1129
Dimensions: 7" x 4" (17,8 cm x 10,2 cm)
Delrin Impactor Pad: 1" x .625" (2,5 cm x 1,6 cm)

1129-02 [Replacement Pad Only]





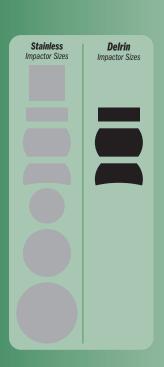


5120-01 [Standard] Overall Length: 11.75" (29,8 cm) Shaft Diameter: 9,5 mm

5120-02 [Offset] Overall Length: 11.75" (29,8 cm) Shaft Diameter: 9,5 mm Punch End Offset: 60 mm



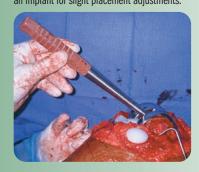




### **Modular Impactor Set**

Makes multiple impactor heads easily visible and available

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

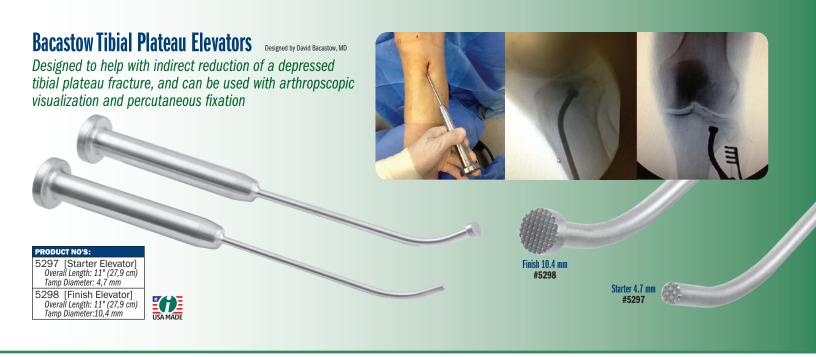




PRODUCT NO	D:
5370 [Co	mplete Set]
Included In S	et / Also Available Individually:
5370-01	[Rectangular Tip 11 mm x 4 mm Steel
5370-02	[Oval Tip 13 mm x 8 mm Steel]
5370-03	[Crescent Tip 12 mm x 5 mm Steel]
5370-04	[Square Tip 9 mm x 9 mm Steel]
5370-05	[Round Tip 15 mm Steel]
5370-06	[Round Tip 12 mm 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 [I	Modular Handle]
	ngth: 8" (20,3 cm)
urip Lengti	h: 4.5" (11,4 cm)



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### Faillace Bone Impact/Graft Forceps

Design modification by John J. Faillace, MD, FAAOS

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





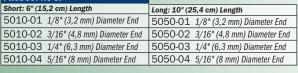
### Universal Bone Grafting/Impacting Forceps

Designed by J. A. Amis, MD

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







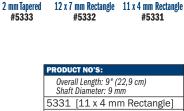
MADE EXCLUSIVELY FOR INNOMED IN GERMANY When the forceps are closed, they form into an impacting punch







9 mm Square



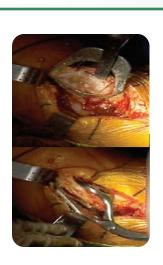
PRODUCI NO 5:		
Overall Length: 9" (22,9 cm) Shaft Diameter: 9 mm		
5331 [1	11 x 4 mm Rectangle]	
5332 [2	12 x 7 mm Rectangle]	
5333 [2	12 mm Tapered]	
5334 [9	9 mm Square]	
5335 [2	15 mm Round]	
5336 [2	12 mm Round]	
5337 [9	9 mm Round]	



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### **Scott Patella Resection Guide/Clamp**

Helps move the tendons anteriorly, giving the surgeon a good method of holding the patella stable for resection

Can be used as a holding device, or as a guide if the surgeon uses the tendon insertion to the patella as level for resection.

### 1164 Overall Length: 10" (25,4 cm)

MADE EXCLUSIVELY FOR INNOMED IN GERMANY



Bent handle on forceps helps the surgeon to evert the patella during minimally invasive knee surgery





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Normally two forceps are used (sold individually)





Flat topside, with three small spikes underneath



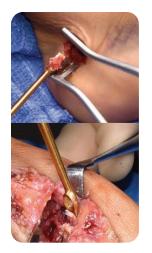
### Patella Cover Plate Designed by S. David Stulberg, MD

Protects the cut surface of the patella during minimally invasive knee surgery

Sharp spikes help hold the plates in place. Lessens the chance of weakening the patella, as pre-drilling is not necessary.

PRODUCT NO'S:	
4230-00 [Set of 4 Sizes]	
4230-01 [Small] 35 mm x 31 mm	
4230-02 [Medium] 36 mm x 32 mm	
4230-03 [Large] 37 mm x 33 mm	
4230-04 [Extra Large] 38 mm x 34 mm	













Designed by William E. Nordt, III, MD

### PRODUCT NO'S:

8025-00 [Complete Set]

Also available individually:
8025-01 [20° Bent Awl]

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

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

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



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

- Precise microfracture points
- ▶ Helps create sharp cartilage shoulders



### Whelan Double-Ended Suture Wire Passer

Designed by Edward J. Whelan, III, MD

### PRODUCT NO'S: 8300-00 [Set] Also available individually:

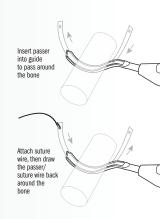
8300-01 [Passer Guide] Overall Length: 8.125" (20,6 cm) Oustide Width: 9 mm Inside Groove Width: 6,5 mm

8300-02 [Passer] Overall Length: 7.5" (19,1 cm) Width: 4,6 mm 1025 [Sterilization Case] Set includes
Passer
Guide, two
Passers, and
a sterilization
case.

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

Passer Guide #8300-01

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



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### **Durham Curved Osteotome**

Designed by Alfred A. Durham, MD

Increased angle useful for posterior osteophytes of the femoral condyle and the humeral head, as well as anterior acetabular osteophytes

#### PRODUCT NO: 4950







### **Cobb Elevators**

Two Sizes Available With or Without Teeth

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







### WITH TEETH

3432 [1/2" with Teeth] Overall Length: 11" (27,9 cm) Blade Width: 1/2" (13 mm)

3434 [1" with Teeth] Overall Length: 11" (27,9 cm) Blade Width: 1" (25,4 mm)

#### WITHOUT TEETH

3436 [1/2" without Teeth] Overall Length: 11" (27,9 cm) Blade Width: 1/2" (13 mm)

3438 [1" without Teeth] Overall Length: 11" (27,9 cm) Blade Width: 1" (25,4 mm)

### Bradley Periosteal Elevator Designed by Gary W. Bradley, MD

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

#### PRODUCT NO'S:

4719 [1/2"] Overall Length: 11" (27,9 cm) Blade Width: .5" (13 mm)

4720 [3/4"] Overall Length: 11" (27,9 cm) Blade Width: .75" (19 mm)





### **Periosteal Elevator**

### Designed for better control

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



#### PRODUCT NO'S:

3450 [Curved] Overall Length: 7.5" Handle Length: 4.5" (11,4 cm) Blade Size: 16 x 13 mm

3455 [Straight] Overall Length: 7.75" Handle Length: 4.5" (11,4 cm) Blade Size: 19 x 14 mm







### **Modified Lambotte Osteotomes**

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

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

#### PRODUCT NO'S: 5350-00 [Set w/Case] Also 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)



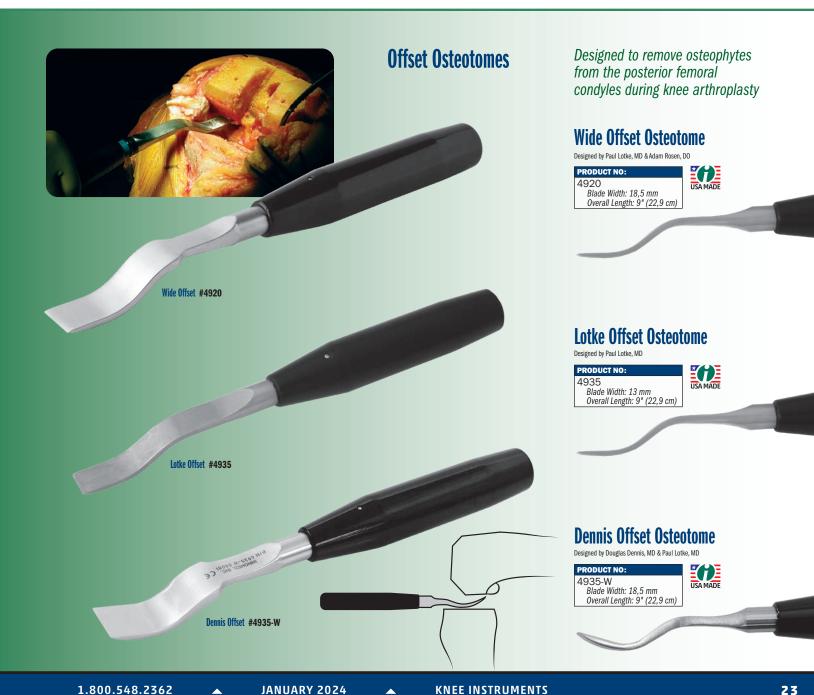
MADE EXCLUSIVELY G E R M A N Y

5350-125 [1-1/4"] Overall Length: 9" (22,9 cm) Osteotome Width: 1.25" (31,8 mm) 5350-150 [1-1/2"

350-150 [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)





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### **UKA Tibial Bone Fenestrator**

Designed for improving cement penetration during UKA



With the minimal bone resection of modern UKA systems, often the tibial and femoral surfaces can remain quite sclerotic after bone cuts are performed. Instrument is designed to allow fenestration of the entire bone surface, helping to promote optimal cement interdigitation during UKA.

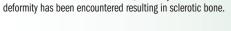
Overall Length: 8.875 (22,5 cm) Handle Length: 4.5" (11,4 cm)



### Woolley Tibia Punch Designed by D. Woolley, MD

Designed to impact cancellous bone to help improve bone/cement interface

Designed to impact cancellous bone in the subchondral weight bearing region of the tibia. This helps to improve the mechanical interlock in the cancellous bone/cement interface. The sharp tips can be used on normal and dense cancellous bone, and they can also be used when a significant

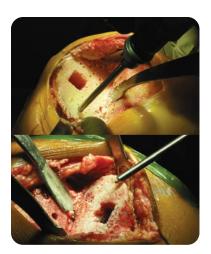




5140

Prong Depth: 5,5 mm Overall Length: 7" (17,8 cm) Shaft Diameter: 13 mm





### Lombardi Tibia Cement Preparation Drill Designed by Adolph Lombardi, MD

Designed to drill cancellous bone to help improve bone/cement interface Designed to drill cancellous bone in the subchondral weight bearing region

of the tibia. This helps to improve the mechanical interlock in the cancellous bone/cement interface. Connects with a Zimmer Hall Quick-connect.

Quick-connect for use with a driver.

1112 [Lombardi Tibia Cement Preparation Drill] Drill Diameter: 2.7 mm Drill Length: 3 mm

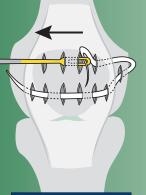
Overall Length: 4.75"



INNOMED.NET

8248 [Fixed Driver with Zimmer Hall Quick-connect] Overall Length: 5.75" (15,6 cm) Handle Width: 4.625" (11,6 cm)





#### PRODUCT NO'S:

1114 [No Slot] Overall Length: 9.75" (24,8 cm) Handle Length: 4.25" (10,8 cm) Suture Hole: 2,5 mm x 13 mm

1114-01 [With Slot] Overall Length: 9.75" (24,8 cm) Handle Length: 4.25" (10,8 cm) Suture Hole: 2,5 mm x 13 mm



### **Kodkani Tissue Elevator Suture/Graft Passer**

Designed for MPFL reconstruction basket weave technique, and helpful for mini- open ligament reconstruction surgeries for graft passage

No Slot #1114

#### Can also be used for:

- Periosteum/soft tissue elevator or freer
- Percutaneous passage of tendon/ligament graft/suture

With Slot #1114-01

- Stripping tendon grafts off muscle
- General orthopedics repiosteum elevator and spike

#### Advantage of the open slot:

- Convenient feeding and removal of sutures from slot
- Feeding of multiple thick sutures & sutures with knots
- Engaging and shuttling grafts with short suture loop ends

### Wilson Double Scalpel Handle Designed by Ralph Wilson, MD

Designed to help make a predictable incision in the patellar tendon when harvesting ACL graft material

The blade offset is 10 millimeters. The tendon graft is harvested from the patella and tibial tubercle including the patellar tendon. Uses scalpel blades that fit a #3 handle size.

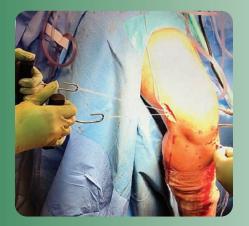


Overall Length: 5.75" (14,6 cm,

Scalpel blades not included.







### **Seymour ACL Graft Advancer**

Designed by Scott Seymour, MD

Designed to facilitate the passage and tensioning of an ACL graft into the femoral and tibial tunnels

A loop is tied in the prepared graft's passing sutures and the device is used to pull the graft into the tunnels, then to tension the fixation.

1117

Overall Length: 4.35" (11,1 cm) Handle Width: 4" (10,2 cm) Hook Width: 19,5 mm Outside, 13,5 mm Inside Hook Depth: 25 mm Hook Diameter: 3 mm





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### **Pin Inserter**

#### Used for 1/8" (3,2 mm) diameter pin insertion

Designed to hold onto a 1/8" (3,2 mm) diameter pin while it is being inserted into a cutting block during total knee surgery or other applications where a 1/8" (3,2 mm) diameter pin is used. The pin inserter holds the pin tightly, yet releases it easily after insertion. It may be used with round or triangular end pins.



Overall Length: 5" (12,7 cm)

### Pin Inserter/Extractor

Helps provide better leverage, stability and control when inserting/extracting pins

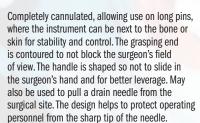
3020 [For 1/8" (3,2 mm) Pins] 3020-T-00 [For 1/8" (3,2 mm) Pins, with Slaphammer and Case]

3020-T [For 1/8" (3,2 mm) Pins, Threaded to Accept slap hammer

3040 [Slap Hammer] Thread: 5/16"x 18

1015 [Sterilization Case]





The slap hammer is designed to be screwed into a threaded pin inserter/extractor to help in removing pins in hard bone.



### **Pin Driver and Threaded Bone Pins**

85 mm Threaded Pin #1287 65 mm Threaded Pin #1290

55 mm Threaded Pin #1297

1/8" (3,2 mm) Pins - Packages of 10: 1287 [85 mm Threaded Bone Pin] 1290 [65 mm Threaded Bone Pin]

1297 [55 mm Threaded Bone Pin with Collar]

Pin Driver with Zimmer Hall Quick-connect #1206 Quick-connect version for use with a driver. Pin Driver #1205

#### PRODUCT NO'S:

1206 [Pin Driver w/Zimmer Hall Quick-connect] Overall Length: 5" (12,7 cm)

1205 [Pin Driver] Overall Length: 3.75" (9,5 cm)

8248 [Fixed Driver with Zimmer Hall Quick-connect] Overall Length: 5.75" (15,6 cm) Handle Width: 4.625" (11,6 cm)



### **Shouldered Bone Pins**

#### PRODUCT NO'S:

Packages of 10:

1270 [1/8"] Diameter: 3,2 mm (.125") Overall Length: 70 mm Shoulder-to-tip: 45 mm

1271 [1/16"] Diameter: 1,6 mm (.062") Overall Length: 70 mm Shoulder-to-tip: 45 mm











### Stanton Straight Pin Removal Pliers

Designed by John Stanton, MD

#### PRODUCT NO

1893

Overall Length: 6.375" (16,2 cm) Jaw Length: 1.62 (4,1 cm) Instrument Width: 1 cm







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### **Ring Curettes - Straight Shaft**



Ring Diameter: 6 mn

### **Ring Curettes - Bent Shaft**



### **Sarraf Toothed Curettes**

Designed by Khaled Sarraf, MD

#### PRODUCT NO'S:

5174-00 [Set]

Set Includes/ Available Separately:
5174-F [Forward Toothed Cu

5174-F [Forward Toothed Curette] Overall Length: 11.5" (29,2 cm) Handle Length: 5.5" (14 cm) Curette Cup: 8 mm X 12 mm Angled Down: 30°

5174-R [Reverse Toothed Curette] Overall Length: 11.5" (29,2 cm) Handle Length: 5.5" (14 cm) Curette Cup: 8 mm X 12 mm Angled Up: 30°

5174-S [Straight Toothed Curette] Overall Length: 11.5" (29,2 cm) Handle Length: 5.5" (14 cm) Curette Cup: 8 mm X 12 mm







#### PRODUCT NO:

5171

Overall Length: 11.75" (29,8 cm) Handle Length: 5.5" (14 cm) Cup Size: 7 mm X 12 mm



### **Chandran Bent Serrated Curette**

Ring Diameter: 8 mm

ed by Rama E. Chandran, MD



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

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Right and left design used to scrape cement from around and behind knee implants

### PRODUCT NO'S:

4920-01 [Right] Scraper Head: 5 mm x 9 mm Overall Length: 8.5" (21,6 cm) 4920-02 [Left] Scraper Head: 5 mm x 9 mm Overall Length: 8.5" (21,6 cm)







### **Scott Uni & Total Knee Cement Removing Curette**

Sized, shaped and angled 90° to help with retrieval of posteriorly extruded cement behind the tibial component in both total and unicompartmental knee arthroplasty

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



Overall Length: 9.625" (24,4 cm) Overall Length: 5.25" (13,3 cm)



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

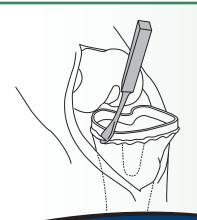
Designed to be inserted around the back of the tibia base to remove cement. The curve is congruent with most tibia bases. During revision knee surgery, can be used to help separate the prosthesis/bone or prosthesis/cement interface. The curve of the osteotome allows it to be used in the femoral notch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

5220 220 Overall Length: 6.75" (17,1 cm) Handle Length: 3" (7,6 cm) Blade Width: 6.8 mm









### **Cement Remover**

Helps remove unhardened cement around femoral and tibial knee components

Designed with a sharper face to help remove unhardened cement around femoral and tibial knee components. The remover is nitrate coated to help protect implant surfaces.



Overall Length: 7.25" (18,4 cm) Handle Length: 5" (12,7 cm) Blade Width: 5 mm





### **Bacastow Femoral Cement Osteotome**

Uniquely shaped osteotome designed to help trim away cement from around a femoral knee component

#### PRODUCT NO:

Overall Length: 9.25" (23,5 cm) Width: 6,5 mm Tongue Length: 7 mm





### **Bozeman Cement Trimmer**

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

> Combines the two most common cement trimming tools into one

5245

Overall Length: 8.5" (21,6 cm)



### **Seachris Delrin Cement Scraper**

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

#### PRODUCT NO:

5218

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



### **Robb Cement Curette**

Designed to help remove cement around a hip or knee prosthesis Made of Delrin



Overall Length: 8" (20,3 cm) Freer End: 5 mm Cup End: 10 mm



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**KNEE INSTRUMENTS** 



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

### Sarraf TiN Coated Cement Removal Forceps

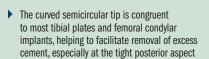
Designed by Khaled M. Sarraf, MD

#### PRODUCT NO'S:

5039 [Straight] Overall Length: 6" (15,2 cm) 5041 [Bent] Overall Length: 6.125" (15,6 cm)







- The small scoop-end tip assists in excising unset cement
- Ultra hard titanium nitride coating helps to extend curette life by increasing surface hardness, prolonging sharpness, and resisting chemicals and corrosion, while helping to eliminate metal transfer and protect the implant surface

### **Sarraf Cement Trimmer**

Designed by Khaled M. Sarraf, MI

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

PRODUCT NO:

5212 Overall Length: 7.75" (19,7 cm) USA MADE



### Sarraf Spearhead Cement Exciser

Designed by Khaled M. Sarraf, MI

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

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



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

### **Cement Packer & Trimmer**

Designed by Harlan C. Amstutz, MD

PRODUCT NO:

995 Overall Length: 9.75" (24,8 cm) MADE FOR INNOMED IN GERMANY









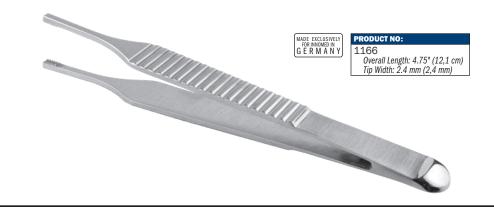


### **Adson Forceps with Cobb Elevator End**

Designed by Oscar Castro-Aragon, MD

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

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



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### Wilke Angled Blunt Nose Scissors

Designed by Benjamin K. Wilke, MD

Allows blunt dissecting around critical structures (nerves, vessels, etc.) while maintaining a cutting surface for fascia. The tool's blunt ends can also be used for cauterizing and grabbing small vessels.





### Rogozinski Locking Needle Driver/Scissors

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



PRODUCT NO'S:

3083 [Standard]

Overall Length: 6.5" (16,5 cm)

3084 [Large]

Overall Length: 7.75" (19,7 cm)

Designed by Chaim Rogozinski, MD

GERMANY



### **Sweed Dissecting Scissors**

Designed by Tamer Sweed, FRCS (Orth)

Designed with a blunt, flat bar fixed to the lower limb, the scissors also act as a dissector to protect underlying vital structures

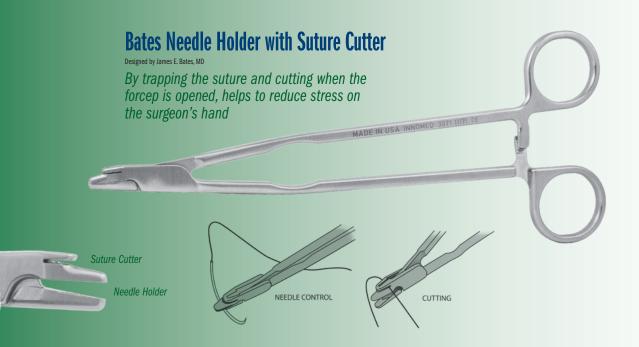
#### PRODUCT NO:

3081

Overall Length: 6.625" (16,8 cm)
Bottom Pad: 16 mm x 6 mm)
Pad Extension Beyond Scissor: 6 mm

MADE EXCLUSIVELY FOR INNOMED IN GERMANY





- No switching between needle driver and scissors, or need for assistant to cut sutures for you
- Cutting with opening of forceps reduces possibility of damage to surrounding tissues
- Sliding the instrument down to the suture knot allows quick and consistent 2 mm suture tails
- Slip the suture strands into the suture cutting slot and slide the closed instrument along until desired length of tail is achieved, then open the instrument to cut the sutures

Overall Length: 8.125" (20,6 cm) Jaw Width: .25" (6,4 mm) Open Jaw Length: .5" (12,8 mm)





### **Stanton Needle Driver**

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

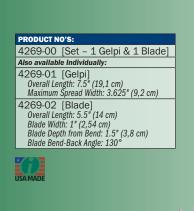
The groove captures the outer (convex) side of the needle and prevents the needle from spinning even when applying significant pressure. Useful for reattaching the rotator cuff in rotator cuff repairs, as well as in attaching suture anchors.

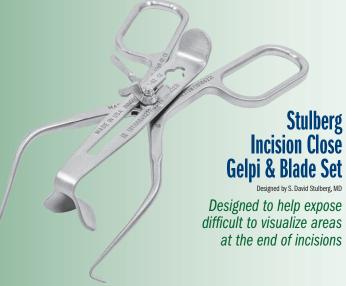
#### PRODUCT NO:

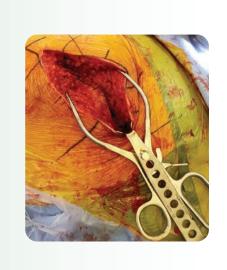
O42 Overall Length: 6.75 (17,1 cm) Jaw Width: .25" (6,3 mm)





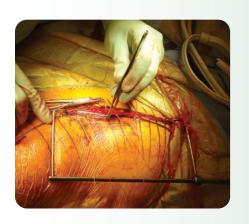






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### Surgical Spoon Designed by David Scott, MD

Very useful for the application of methylmethacrylate bone cement

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

#### PRODUCT NO:

8209

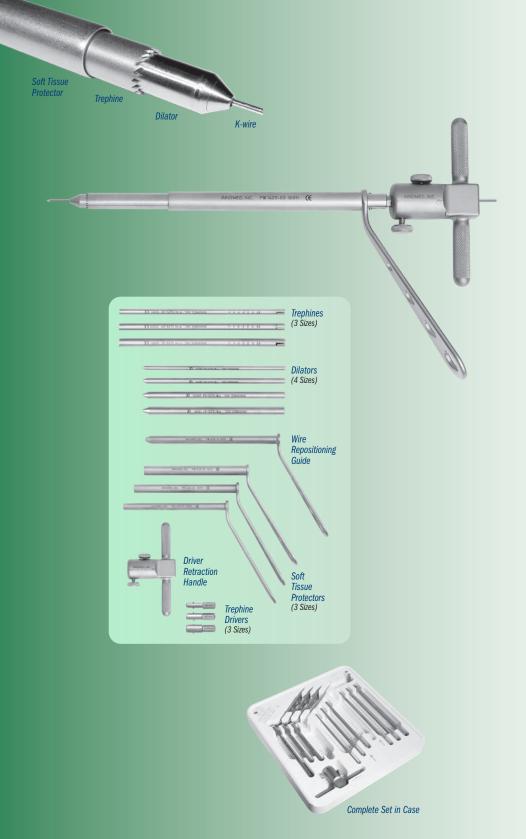
Overall Length: 5.875" (14,9 cm)













### Cheng Biopsy Trephine System Designed by Edward Cheng, MD

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

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

PRODUCT NO'S:	
1425-00 [Complete Set v	with Case]
Set Includes/Available Separa	ately:
1425-01 [Soft Tissue Pro	otector - Small]
1425-02 [Soft Tissue Pro	otector - Medium]
1425-03 [Soft Tissue Pro	otector - Large]
1425-04 [Dilator - 4.75	mm]
1425-05 [Dilator - 6.25	mm]
1425-06 [Dilator - 7.75	mm]
1425-07 [Dilator - 9.25	mm]
1425-08 [Trephine - Sm	all]
Internal Diameter: 5mm	
Overall Length: 7.125" (18,1 cn	
1425-09 [Trephine - Me	dium]
Internal Diameter: 6.5 mm Overall Length: 7.125" (18,1 cn	1)
1425-10 [Trephine - Lag	,
Internal Diameter: 8 mm	201
Overall Length: 7.125" (18,1 cn	1)
1425-11 [Drive End – Sr	nall]
1425-12 [Drive End – Me	edium]
1425-13 [Drive End - La	rge]
1425-14 [Driver Retraction	
Includes (2) Handle Retaining Screws (#1425-14-B-COMP)	
1425-15 [3-Hole Wire Re	positioning Guide]
1425-Case [Case]	
Replacement Part:	
1425-14-B-COMP [Hand	e Retaining Screw]

K-wire not included.



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### **Soft Impact Mallets**

with Easy Grip Handles

Weidman handle designed by Kevin Weidman, MD

#### Provides shock-absorbing force

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

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

The mallet with delrin head features a replaceable delrin head.



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

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

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

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

Delrin Head Replacements for 7832:

7832-HEAD01 [.5" Stud] Single 7832-HEAD02 [.5" Stud] 3-Pack

7832-HEAD03 [.875" Stud] Single 7832-HEAD04 [.875" Stud] 3-Pack







Replacement Delrin Heads

### **Ortho Mallets** with Easy Grip Handles

These solid stainless steel mallets each have a comfortable 41/2" grip made of a textured silicone that helps prevent the surgeon's gloved hand from slipping and helps maintain a solid grip.



#### PRODUCT NO'S:

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

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



### **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.



INNOMED.NET

#### 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)





### Bechtold Ergonomic Orthopedic Mallet Designed by Dustin Bechtold, MD

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

#### PRODUCT NO:

7822 [2.7 lbs] Weight: 2.7 lbs (1.22 kg) Weight: 2.7 I of 2.7 Rg)
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)







### **Straight Suture Passer**

Designed to help pass suture through bone

#### PRODUCT NO:

Overall Length: 8.125" (20,6 cm) Handle Length: 4.25" (10,8 cm) Shaft Diameter: 2,5 mm









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### Large T-Handle Fixed Drivers

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

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





**Ouick-connect** #8249





8248 [Zimmer Hall Quick-connect] Overall Length: 5.75" (15,6 cm) Handle Width: 4.625" (11,6 cm)

8248-01 [Reverse Quick-connect Zimmer Hall] Overall Length: 5.75" (15,6 cm) Handle Width: 4.625" (11,6 cm)

8249 [Hudson Quick-connect] Overall Length: 6.75" (17,1 cm) Overall Length with Pin In Handle: 11.5" (29,2 cm)



Zimmer Hall Reverse Quick-connect

#8248-01

### T-Handle Chuck & Key

8247-00 [T-Handle Chuck & Kev] 8247-01 [T-Handle Chuck Only] 8247-02 [Chuck Key Only]



### Gray Syringe Assist with Ergonomic Handle Designed by Robert Gray, MD

For use in the O.R or the office, the design helps to prevent hand fatigue and pain when injecting with a 20mL syringe over multiple cases

- Sterilizable for O.R use, such as injecting the posterior capsule during TKA
- Especially useful for injecting preoperative local anesthesia for WALANT surgery
- Uses finger flexors to generate more force over more surface area than only the thumb flexor
- Ratchet mechanism ensures maximal grip force generation throughout entire injection

8988

Overall Length - Closed: 5.25" (13,3 cm) Overall Length - Open: 7.5" (19,1 cm) Height: 5" (12,7 cm) Syring Diameter: 21 mm



Patent Pending



# Syringe not included.

### White Aspiration Handle Designed by Edward White, MD

Designed for aspiration of cavities or spaces that have greater than 20 ml volume, such as joints, bone marrow, and the illiac crest

Works with a 60 ml syringe (not included) only.

1131

Height: 3 (12,7 cm) Length: 6.5" (16,5 cm) / Extends to 11" (27,9 cm) Width at Syring Holder: 1.5" (3,8 cm) Body Width: .9" (2,3 cm)



### Handle Set consists of one handle #5195-01 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

### **Universal Screwdriver Set**

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

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

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



### **Star Bit Driver Set**

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

#### PRODUCT NO'S:

5194-00 [4 Star Bits w/Handle & Case] 5194-01 [4 Star Bits w/Case only] Also sold individually:

S0113 [Universal 4" (10,2 cm) Handle] 5194-10 [T10 with A/O End] 5194-15 [T15 with A/O End]

5194-20 [T20 with A/O End] 5194-25 [T25 with A/O End]

9003 [Case]





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.



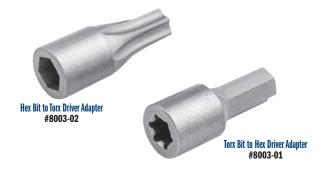
8003-00 [Set - One Each] Set Includes/Available Separately:

8003-01 [Torx Bit to Hex Driver Adapter]

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

8003-02 [Hex Bit to Torx Driver Adapter] Overall Length: .6" (1,54 cm)





### Torx/Hex Adapter Set Designed by Stephen M. Walsh, MD

#### Designed for conversion of a 3.5 mm screwdriver

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

#### **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.



### **TKA Gap Assessment Gauge Assembly**

Designed by Michael Radon

Universal design allows the gauge to be used without the removal of trials to help determine if a 1 or 2 mm additional thickness insert may be needed

Alignment rod can be inserted in the gauge to help check alignment.

#### PRODUCT NO'S:

5216-00 [Assembly]
Individual/Replacement Parts:

5216-01 [Gauge] Overall Length: 7.5" (19,1 cm) Width: 2.5" (5,4 cm) Prong Length: 2" (5,1 cm) Prong Width: (.75" (1,9 cm) Gap Between Prongs: 1" (2,5 cm)

5216-02 [Alignment Rod] Overall Length: 18" (45,7 cm) Diameter: .1875" (4,75 mm)



Gauge

Alignment Rod











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