

**PRECISION II SERIES**  
HAND INSTRUMENTS



with the  
**CHARLOTTE**<sup>®</sup>  
SHOULDER SYSTEM

**BIOMET**<sup>®</sup>  
SPORTS MEDICINE

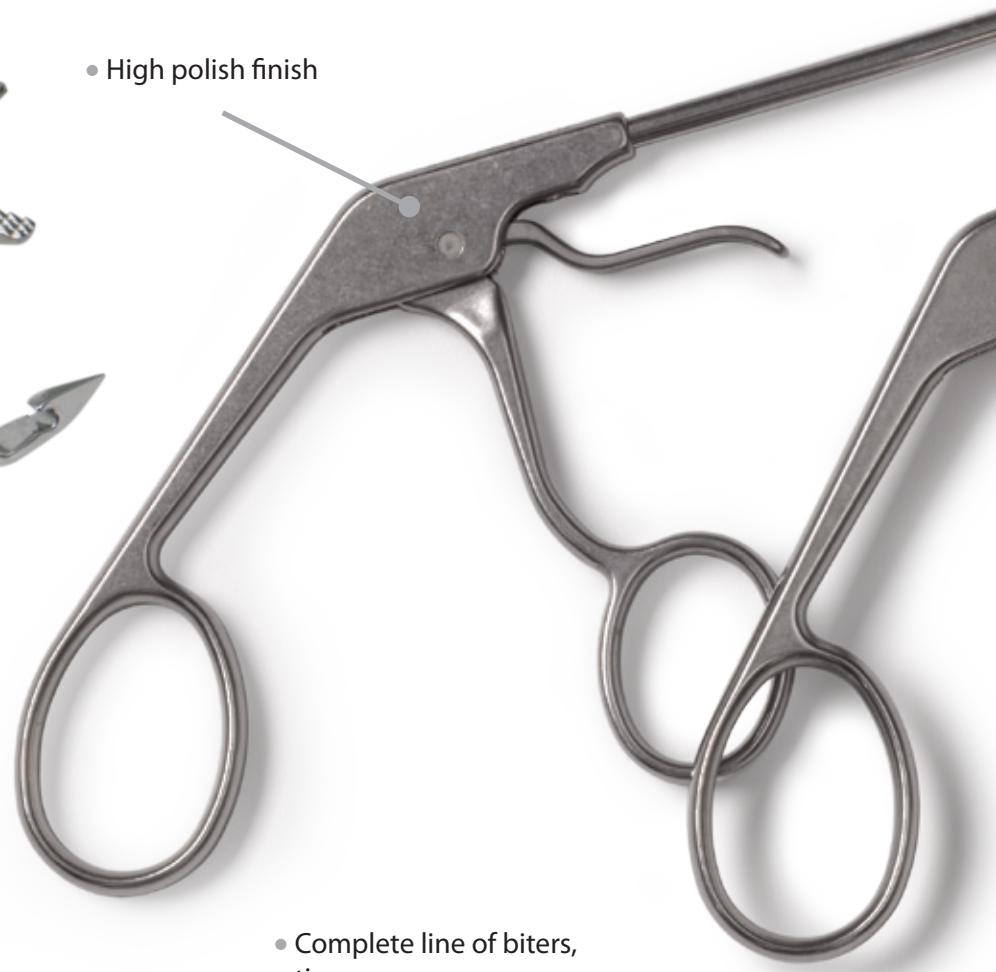
# PRECISION II SERIES

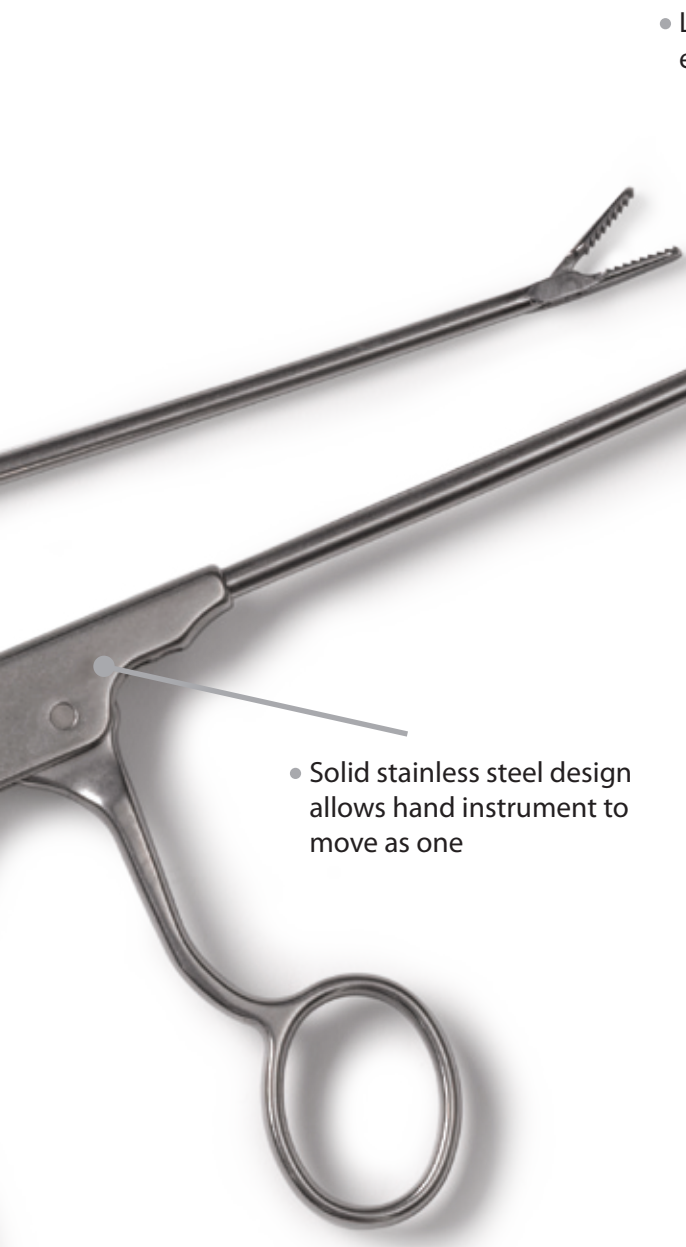
## HAND INSTRUMENTS

**Introducing the Precision II Series**, a complete line of hand instrumentation that has been developed based on surgeons' input to have the most tactile and most advanced instrumentation for arthroscopic and general surgery. The handle of the instruments were ergonomically designed to conform to the surgeon's hand, and provide comfort and reduce hand fatigue during lengthy surgical procedures.

- High polish finish

- Complete line of biters, tissue graspers





- Low profile designs allow easier entry into tight joint spaces

- Solid stainless steel design allows hand instrument to move as one

## Engineering Makes the Difference

The main pivot pin provides both strength and stability for the jaw under heavy cutting and grasping loads. The pin-less actuator pivot transfers the closing power from the end of the actuator directly to the jaw without the use of a pin. Graspers incorporating this mechanism are capable of applying high forces between the jaws to grip tissue for holding or removal. The smaller, 3mm designs for shoulder incorporate a double arcuate lug and groove construction.

## Pivot Mechanism

Very low clearances and close tolerances are held between the jaw and cavity on the meniscal punches. This allows the meniscus and other tissues to be cut cleanly with minimal fraying.

## Precision Manufacturing

The final sharpening of the cutting edges is performed manually by highly skilled and experienced finishers.

# A variety of designs are available to meet your surgical demands.

## 1.7mm Punch (Biter)



**910030**  
Punch, up 15° tip,  
1.7mm bite width, w/  
meniscal lift feature



**910031**  
Punch, up 15° tip,  
1.7mm bite width,  
curved left 15°



**910032**  
Punch, up 15° tip,  
1.7mm bite width,  
curved right 15°

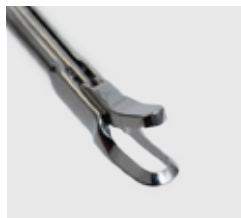


**910033**  
Punch, up 15° tip,  
1.7mm bite width,  
blunt nose

## 2.6mm Punch (Biter)



**910040**  
Punch, straight tip,  
2.6mm bite width



**910041**  
Punch, up 15° tip,  
2.6mm bite width



**910042**  
Punch, straight tip,  
3.6mm bite width



**910043**  
Punch, up 15° tip,  
3.6mm bite width



**910044**  
Punch, up 15° tip,  
3.6mm bite width,  
curved left 15°

## 3.6mm Punch (Biter)

## 3.6mm Punch (Biter)

## 5.0mm Round Punch (Biter)



**910045**  
Punch, up 15° tip,  
3.6mm bite width,  
curved right 15°



**910046**  
Punch, up 15° tip,  
3.6mm bite width,  
curved up 15°



**910047**  
Punch, straight tip,  
5.0mm bite width,  
round

## Suture Cutter

## Suture Passer

## Knot Tightener



**904808**  
Slotted MaxCutter™  
Suture Cutter



**902099**  
Ratchet BiPass™ Suture Passer (must be used with  
BiPass™ Passer disposables)



**910085**  
Nordt Knot Tightener

### 3.2mm Rotary Punch (Side Biters)



**910052**  
Punch, 90° tip,  
3.2mm bite width,  
left, loop



**910053**  
Punch, 90° tip,  
3.2mm bite width,  
right, loop



**910050**  
Punch, straight tip,  
2.4mm bite width,  
retro left



**910051**  
Punch, straight tip,  
2.4mm bite width,  
retro right

### Tissue Graspers



**910060**  
Grasper, straight tip,  
3.8mm bite width,  
alligator large



**910061**  
Grasper, straight tip,  
3.4mm bite width,  
loose body



**910062**  
Cupped Rongeur  
4.0mm bite width

### Suture Graspers



**910078**  
3.0mm Suture Grasper



**910083**  
Vampire™ Suture  
Grasper



**910063**  
Multi Grasper



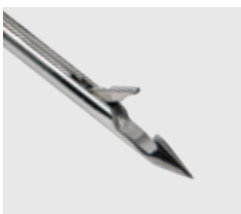
**910070**  
Scissors, 20° tip,  
hooked left, loop



**910071**  
Scissors, 20° tip,  
hooked right, loop

### Scissors

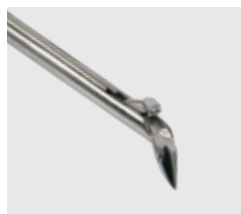
### (PII) Arthropasser™ Suture Passers



**910079**  
Arthropasser™ Neutral



**910080**  
Arthropasser™ 45 left



**910081**  
Arthropasser™ 45 Right



**910082**  
Arthropasser™  
35 Degree Up

# CHARLOTTE<sup>®</sup>

## SHOULDER SYSTEM

**The New and Improved Charlotte<sup>®</sup> Shoulder System** compliments all open, mini-open and arthroscopic shoulder procedures. This system saves time in the O.R. by grouping the appropriate instruments for rotator cuff and labral repairs.



### Generic Tray

Additional Instrumentation can be added that is not supplied in the Charlotte<sup>®</sup> Shoulder System

### Shoulder Specific Hand Instrumentation:

- **904850** Charlotte Tray
- **902099** Ratchet BiPass™ Suture Passer
- **904808** Slotted MaxCutter™ Suture Cutter
- **910060** Grasper, 3.8mm, Alligator large
- **910061** Grasper, 3.4mm, Loose Body
- **910083** Vampire Suture Grasper
- **910042** Punch, straight tip, 3.6mm
- **910079** Arthropasser Neutral
- **910080** Arthropasser™ 45° Left
- **910081** Arthropasser™ 45° Right
- **910082** Arthropasser™ 35° Up
- **910078** 3.0mm Suture Grasper
- **910063** MultiGrasper

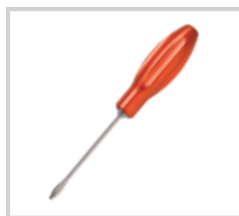
### New Charlotte<sup>®</sup> Shoulder System



**900384**  
AquaLoc<sup>®</sup> Reusable  
Obturator 5x 85mm



**900385**  
AquaLoc<sup>®</sup> Reusable  
Obturator 7x 85mm



**900386**  
AquaLoc<sup>®</sup> Reusable  
Obturator 8.5x 85mm



**902813**  
Closed Ended Knot  
Pusher



**901010**  
Probe



**912035**  
1.4mm JuggerKnot™  
Guide



**912038**  
JuggerKnot™ Trocar



**912036**  
1.4mm JuggerKnot™  
Drill Bit  
**912036R**  
1.4mm JuggerKnot™  
Rigid Drill Bit



**905955**  
5.5/6.8mm  
ALLthread™ Punch



**905958**  
5.5 ALLthread™ Tap



**Charlotte® Shoulder Set**  
 • 904850



**903720**  
 3.2mm Switching Stick



**903721**  
 Switching Stick Handle



**9905461R**  
 2.9mm MicroMax™  
 Guide



**905462**  
 2.9mm MicroMax™ Blunt  
 Obturator



**905465**  
 2.9mm MicroMax™  
 Drill Bit



**904800**  
 15° Smooth Elevator



**904801**  
 30° Smooth Elevator



**904803**  
 15° SLAP Elevator



**904804**  
 15° Bankart Rasp



**903719**  
 15° Charlotte Rasp/  
 Elevator

## Limited Warranty Periods and Addresses for Returns

### Instrumentation

**General Instrumentation Warranty:** All defects in material and workmanship under normal use for one year from date of purchase.

Address for Returns: Biomet Sports Medicine, Repairs 56 E. Bell Drive, Building B, Warsaw, IN 46582.

Repair Department: 800.348.9500 ext. 1016 or 574.371.1016.

### Exceptions

1 Year: InnerVue™ II Diagnostic Scope System (except disposables), Arthroscopic Systems Cart, PowerPump® LT.

Address for Returns: A.B. Medical 6704 Lockheed Drive, Redding, CA 96002.

Technical Service: 800.766.7656

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