HIP ARTHROSCOPY BROCHURE
Biomet Sports Medicine designed, developed, and launched the first all-suture anchor on the market, known as the JuggerKnot Soft Anchor. Once surgeons began utilizing this anchor they quickly realized how useful the implant is for hip labral repairs. Therefore, while working alongside these surgeons, a complete set of hip arthroscopy instrumentation has been developed to complement the innovative anchor technology.

The Biomet Sports Medicine hip arthroscopy instrumentation is designed specifically for arthroscopic hip procedures. The size and shape of each individual instrument was carefully designed with the hip anatomy in mind and crafted from durable stainless steel material.
Biomet Sports Medicine
Hip Arthroscopy Instrumentation

The beauty of this instrumentation is the ability to mix and match certain instruments required for specific procedures. The bottom four caddies have the ability to be swapped out depending upon surgeon preference.

Hip instrument caddy options include:
Hand Instruments
JuggerKnot Long
Microfracture
ACCESS THE JOINT

Disposable Kit

- The hip access kit includes the essentials for accessing the hip joint space.
- Kit includes two 1.1 mm Nitinol wires and two needles.
Portal Management

Slotted Cannula
• Ergonomically designed for comfort and ease of use

Switching Sticks
• The handle positively locks to the switching stick to facilitate smooth penetration through the capsule
• Multiple size options for use with capital equipment

Probes
• Three shape options for portal and anatomy flexibility

INSTRUMENTATION

6 mm
4 and 4.5 mm
5 and 5.5 mm
Straight
Curved
Angled
Soft Tissue Management

**Biters**
- Cuts very close to the tip of the acetabular rim for optimal tissue trimming

**Liberator**
- Size and shape designed for hip arthroscopy applications

**Rasp**
- Excellent for shaping bone resections

**Graspers**
- Multiple options for soft tissue, suture, and loose body removal
Suture Management

**Knot Pusher**
- Length designed for hip arthroscopy

**Manipulator/Grasper**
- Hold and manipulate sutures

**Stitcher**
- Low profile design with multiple tip geometries
- Right and left Stitcher options available
- Straight and 35° Up Passer options available

**Passer**
- Easily disassembled for efficient cleaning

**Cutter**
Cartilage Management

**Bone Spikes**
- Specifically designed for arthroscopic hip applications

**Open Curette**
- Sharp and open design optimal for FAI bone removal
JuggerKnot Soft Anchors

Centering Sleeve Instrumentation
Flexible Drill Bit
- A small drill size for very thin areas of the acetabulum

1.45 mm drill size
- A small drill size for very thin areas of the acetabulum

Rigid Drill Bit (Large Shank)

JuggerKnot Long Soft Anchor
- With #1 or #2 MaxBraid Suture

Straight and Curved Guide Options
- To access difficult locations on the acetabulum
- Both reusable and disposable options available
## Instrumentation

### ACCESS THE JOINT

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>110024906</td>
<td>Hip Access Kit 1.1 mm Nitinol Wires and Needles</td>
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### PORTAL MANAGEMENT

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>754440FBSM</td>
<td>Hip 4.5 mm Cannulated Switching Stick</td>
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<tr>
<td>754450FBSM</td>
<td>Hip 5.0 mm Cannulated Switching Stick</td>
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<tr>
<td>754410BSM</td>
<td>Hip 6 mm Slotted Cannula</td>
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<tr>
<td>754420FBSM</td>
<td>Hip 4 mm Cannulated Switching Stick</td>
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<tr>
<td>754430FBSM</td>
<td>Hip Switching Stick Handle</td>
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<tr>
<td>754470FBSM</td>
<td>Hip 6 mm Cannulated Switching Stick</td>
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<tr>
<td>754480FBSM</td>
<td>Hip 5.5 mm Cannulated Switching Stick</td>
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<tr>
<td>138405BSM</td>
<td>Hip Straight Probe</td>
</tr>
<tr>
<td>138415BSM</td>
<td>Hip Curved Probe</td>
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<tr>
<td>138416BSM</td>
<td>Hip Angled Probe</td>
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### SOFT TISSUE MANAGEMENT

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<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>727400BSM</td>
<td>Hip 3 mm Biter — Straight</td>
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<tr>
<td>727431BSM</td>
<td>Hip 3 mm Biter 15° Up</td>
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<tr>
<td>904131BSM</td>
<td>Hip 20° Tissue Liberator</td>
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<tr>
<td>904431BSM</td>
<td>Hip Rasp 30° Up</td>
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<tr>
<td>391400BSM</td>
<td>Hip 5 mm Grasper — Straight</td>
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<tr>
<td>391411BSM</td>
<td>Hip Grasper 20° — Right</td>
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<tr>
<td>391421BSM</td>
<td>Hip Grasper 20° — Left</td>
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<tr>
<td>397400BSM</td>
<td>Hip Tissue Grasper</td>
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## SUTURE MANAGEMENT

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<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>328412BSM</td>
<td>Hip Stitcher — Right</td>
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<tr>
<td>328422BSM</td>
<td>Hip Stitcher — Left</td>
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<tr>
<td>399400BSM</td>
<td>Hip Suture Passer — Straight</td>
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<tr>
<td>399431BSM</td>
<td>Hip Suture Passer — 35° Up</td>
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<tr>
<td>301400BSM</td>
<td>Hip Knot Pusher</td>
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<tr>
<td>231400BSM</td>
<td>Hip Suture Cutter</td>
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<tr>
<td>601400BSM</td>
<td>Hip Suture Manipulator</td>
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<td>602400BSM</td>
<td>Hip Suture Grasper</td>
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## CARTILAGE MANAGEMENT

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<tbody>
<tr>
<td>904441BSM</td>
<td>Hip Curette Bent 20°</td>
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<tr>
<td>512400BSM</td>
<td>Hip Bone Spike — Straight</td>
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<tr>
<td>512404BSM</td>
<td>Hip Bone Spike — 60°</td>
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<tr>
<td>512406BSM</td>
<td>Hip Bone Spike — 40°</td>
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## CASE AND CADDIES

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<tr>
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<tbody>
<tr>
<td>110024748</td>
<td>Hip Instrument Case</td>
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<tr>
<td>110024749</td>
<td>Hip Instrument Lid</td>
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<tr>
<td>110024750</td>
<td>Hip Instrument Caddy JuggerKnot Long</td>
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<tr>
<td>110024751</td>
<td>Hip Instrument Caddy Hand Instruments</td>
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<tr>
<td>110024752</td>
<td>Hip Instrument Caddy Microfracture</td>
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### INSTRUMENTATION

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<th>PART NUMBER</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>110002759</td>
<td>Reusable Straight Fishmouth Guide</td>
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<tr>
<td>916034</td>
<td>Reusable Curved Guide</td>
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<tr>
<td>916035</td>
<td>Reusable Straight Four-Prong Guide</td>
</tr>
<tr>
<td>916036</td>
<td>Disposable Flex Drill</td>
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<tr>
<td>916037</td>
<td>Disposable Rigid Drill</td>
</tr>
<tr>
<td>906038</td>
<td>Reusable Trocar</td>
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<tr>
<td>916039</td>
<td>Reusable Obturator</td>
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<tr>
<td>916040</td>
<td>Disposable Straight Set (Guide and Rigid Drill)</td>
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<tr>
<td>110016992</td>
<td>Disposable Flex Drill with Centering Sleeve</td>
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### IMPLANTS

<table>
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<tr>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>916030</td>
<td>JuggerKnot Long Soft Anchor #1 Single Loaded</td>
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<tr>
<td>010000334</td>
<td>JuggerKnot Long Soft Anchor #1 10pk</td>
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<tr>
<td>010000324</td>
<td>JuggerKnot Long Soft Anchor #2 Single Loaded</td>
</tr>
<tr>
<td>010000335</td>
<td>JuggerKnot Long Soft Anchor #2 10pk</td>
</tr>
</tbody>
</table>
**HIP ARTHROSCOPY INSTRUMENTS:**

**INTENDED USE**
The Hip Arthroscopy Instruments (hereafter hip instruments) are intended to be used in operative arthroscopic procedures in the hip joint.

The hip instruments are reusable instruments.

**CONTRAINDICATIONS**
The hip instruments are NOT intended for use where one or more of the following conditions exist:

- Pathological conditions of the tissue to be treated.
- Physical conditions that would retard healing, such as blood supply limitation and infection.
- Conditions which tend to limit the patient's ability or willingness to follow instructions during the healing period.

**JUGGERKNOT SOFT ANCHORS:**

**INDICATIONS**
The JuggerKnot Soft Anchors are intended for soft tissue to bone fixation for the following indications:

**Shoulder**
Bankart lesion repair
SLAP lesion repair
Acromio-clavicular repair
Capsular shift/capsulolabral reconstruction
Deltoid repair
Rotator cuff tear repair
Biceps tenodesis

**Foot and Ankle**
Medial/lateral repair and reconstruction
Mid and forefoot repair
Hallux valgus reconstruction
Metatarsal ligament/tendon repair or reconstruction
Achilles tendon repair

**Elbow**
Ulnar radial collateral ligament reconstruction
Lateral epicondylitis repair
Biceps tendon reattachment

**Knee**
Extra-capsular repair:
  - MCL, LCL, and posterior oblique ligament
  - Iliotibial band tenodesis
  - Patellar tendon repair
  - VMO advancement
  - Joint capsule closure

**Hand and Wrist**
Collateral ligament repair
Scapholunate ligament reconstruction
Tendon transfers in phalanx
Volar plate reconstruction

**Hip**
Acetabular labral repair

**CONTRAINDICATIONS**
1. Infection.
2. Patient conditions including blood supply limitations and insufficient quantity or quality of bone or soft tissue.
3. Patients with mental or neurologic conditions who are unwilling or incapable of following postoperative care instructions or patients who are otherwise unwilling or incapable of doing so.
4. Foreign body sensitivity. Where material sensitivity is suspected, testing is to be completed prior to implantation of the device.
Over 1 million times per year, Biomet helps one surgeon provide personalized care to one patient.

The science and art of medical care is to provide the right solution for each individual patient. This requires clinical mastery, a human connection between the surgeon and the patient, and the right tools for each situation.

At Biomet, we strive to view our work through the eyes of one surgeon and one patient. We treat every solution we provide as if it’s meant for a family member.

Our approach to innovation creates real solutions that assist each surgeon in the delivery of durable personalized care to each patient, whether that solution requires a minimally invasive surgical technique, advanced biomaterials or a patient-matched implant.

When one surgeon connects with one patient to provide personalized care, the promise of medicine is fulfilled.

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Biomet does not practice medicine and does not recommend any particular implant or instrument for use on a specific patient. The surgeon is responsible for determining the appropriate device(s) and instrument(s) for each individual patient.

T.A.G. Medical Products is the manufacturer of the hip arthroscopic instrumentation and Biomet Sports Medicine is the distributor.

Biomet Sports Medicine is the manufacturer of the JuggerKnot Soft Anchor and instrumentation.

One Surgeon. One Patient.

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