INSTRUMENT UPDATE

EXTENDED BLADE LIFE leads to long term savings

ultra hard titanium nitride coating for extended blade life
Helps to quickly and precisely remove an acetabular cup with minimal loss of bone.

Non-modular blade system
Helps to decrease costs while increasing surgical efficiency as blades don’t need to be changed interoperatorily.

**System Rental**
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.**

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

**Impaction Platform**
Strike with a mallet to help drive in the blade.

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

**Handle Styles**
Two to choose from...
- Fixed Handle
- Wrench Drive Handle

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

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

**Fixed Blades in Two Lengths**
*Blade Diameters from 42mm-80mm*
Can typically be used for multiple procedures, then replaced through our Blade Discount Program.

**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*

**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 60mm in 1mm increments.*

*US Patent #7,998,146 B2

**Optional Wrench Drive Handles**
Works like a socket wrench, allowing improved torque without changing positions.
Before use, find and remove any screws and clear away any soft tissue to ensure no interference with the blade.

Note: If the cup liner is damaged or offset, proper centering of the shaft may not be possible—remove the liner and install a temporary insert, or utilize one of our larger Delrin Heads if available.

1. **Determine & Select Blade and Head Sizes**
   Measure the outside (blade) and inside (head) diameters of the cup to be removed. If the diameters don’t correlate exactly with the set sizes, select the next largest blade size and the next smallest head size.

2. **Install Head Onto Shaft End**
   Install the selected spherical Head onto the chosen Shaft with the Starter (short) Blade, which will be used first.

3. **Begin Cup Removal**
   The shorter, stiffer Starter Blade is used around the top rim of the cup for more dense bone. The Head is seated into the acetabular cup liner, and a mallet may be used to strike the impaction platform on the end of the shaft to help drive in the blade. If extreme resistance is encountered due to highly sclerotic bone, the instrument may be removed and a straight or curved osteotome may be used to help.

4. **Finish Cup Removal**
   Remove the Head from the Starter Blade shaft and install it on the Finish (long) Blade shaft. The longer, thinner Finish Blade is used for deeper cutting around the dome of the cup. Repeat the method described for the Starter Blade. Be careful not to apply too much force using the thin blade.
**CUSTOM AND RANDED INSTRUMENT SETS**

- **5200-05**
  - Complete Set – Fixed Handle
  - Complete Set – Wrench Handle
  - 20 Starter & 20 Finish Instruments
  - 3 each of 5 Head sizes (22mm-36mm)
  - 9 cases — 4 for Instruments, 1 for Heads
  - Includes complete set of 5200-T CupX Blade Contour Checking Templates, plus Ring

- **5200-01**
  - Choice of Sizes – Fixed Handle
  - 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**
  - 42mm-50mm – Fixed Handle
  - 42mm-50mm – 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**
  - 52mm-60mm – Fixed Handle
  - 52mm-60mm – 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**
  - 62mm-70mm – Fixed Handle
  - 62mm-70mm – 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**
  - 72mm-80mm – Fixed Handle
  - 72mm-80mm – 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

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**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

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**INDIVIDUAL FIXED HANDLE SHAFTS WITH FIXED BLADES**

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**INDIVIDUAL WRENCH HANDLE SHAFTS WITH FIXED BLADES**

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**INDIVIDUAL INTERCHANGEABLE STEEL HEADS**

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**INDIVIDUAL CONTOUR TEMPLATES**

- **5200-T** (Complete Set)
- **5200-42G** 42 mm
- **5200-44G** 44 mm
- **5200-46G** 46 mm
- **5200-48G** 48 mm
- **5200-50G** 50 mm
- **5200-52G** 52 mm
- **5200-54G** 54 mm
- **5200-56G** 56 mm
- **5200-58G** 58 mm
- **5200-60G** 60 mm
- **5200-62G** 62 mm
- **5200-64G** 64 mm
- **5200-66G** 66 mm
- **5200-68G** 68 mm
- **5200-70G** 70 mm
- **5200-72G** 72 mm
- **5200-74G** 74 mm
- **5200-76G** 76 mm
- **5200-78G** 78 mm
- **5200-80G** 80 mm
- **5200-GR** 82 mm

**CupX Blade Contour Checking Templates**

- **5202-T** (Complete Set)
- **5202-22** 22 mm
- **5202-24** 24 mm
- **5202-26** 26 mm
- **5202-28** 28 mm
- **5202-30** 30 mm
- **5202-32** 32 mm
- **5202-34** 34 mm
- **5202-36** 36 mm
- **5202-38** 38 mm

**Fully customizable sets  Configure with as few or as many options required  Any component may be purchased individually**
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