Patella Large Reamer
Resurfacing System
Surgical Technique

The objective of this system is to resurface the articular surface of the patella with the precision of a reamer. The reamed patellar surface can accommodate an oval or round resurfacing patellar component.

Trim tissue surrounding the patella using electrocautery (bovie) (Fig. 1).

The bovie should also be used to release soft tissue attachments to the estimated level of resection (Fig. 3).

Use a rongeur to remove osteophytes and reduce the patella to its true size (Fig. 2).

The patella should measure a minimum of 19 mm before reaming to use this resurfacing technique.

Measure patellar thickness with the patellar calipers (Fig. 5).

Note: The patella should measure a minimum of 19 mm before reaming to use this resurfacing technique.

Determine the design and diameter of the patellar implant to be used. A round or oval resurfacing design may be chosen. The round resurfacing patella is 9mm thick, and the depth stop for this technique prepares for 9mm resection. The oval patella's thickness is variable.

Note: Minor adjustments may be necessary at the time of resection to accommodate the largest diameter oval patella implants. Please see Chart A.

Nota Bene

The technique description herein is made available to the healthcare professional to illustrate the authors' suggested treatment for the uncomplicated procedure. In the final analysis, the preferred treatment is that which addresses the needs of the patient.
Rotate the black resurfacing patellar depth gauge around so that the hooked end or “claw” surrounds the patellar reamer shaft (Fig. 7). Lower the depth stop by compressing the button until it meets the depth gauge.

Remove the depth gauge from the assembly. Ream the patella until the depth stop engages the patellar reamer guide (Fig. 8).

**Note:** Excessive force on the reamer shaft may alter the depth of resection, causing overreaming.

After reaming, the patella should have a completely flat articular surface (Fig. 9). Measure the resected patella to ensure adequate resection (the resected patella should measure its original depth minus 9mm).

Drill the appropriate fixation holes for the resurfacing patellar prosthesis using the correctly sized drill guide and resurfacing drill (Fig. 10).

Place the patellar trial into the prepared patella (Fig. 11). If desired, use the calipers to remeasure the composite thickness of bone and trial.

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This technique is indicated for patients with osteoarthritis who are undergoing Total Knee Arthroplasty. It is intended to be used as an adjunct to the femoral and tibial preparation as described in other GENESIS II TKA techniques.
## Catalog Information –
### GENESIS™ II Patella Large Reamer Resurfacing System

**Set Numbers**

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<thead>
<tr>
<th>Cat. No.</th>
<th>Description</th>
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<tr>
<td>7144-0400</td>
<td>Patella Large Reamer Resurfacing System Set (Stand Alone Set)</td>
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<tr>
<td>7144-3016</td>
<td>Patella Large Reamer Resurfacing System Set* (Optional Add-on to GENESIS II Universal Patella Set)</td>
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<tr>
<td>008104</td>
<td>Loaner Services Set</td>
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*Available beginning April 1, 2005

**Large Depth Stop**
Cat. No. 7144-0427

**Large Resurfacing Depth Gauge**
Cat. No. 7144-0431

**Resurfacing Patellar Collet**

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<td>Resurfacing Patellar Collet 41 mm</td>
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<td>7144-0746</td>
<td>Resurfacing Patellar Collet 46 mm</td>
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<td>Resurfacing Patellar Collet 51 mm</td>
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**Resurfacing Patellar Reamer**

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<td>7144-0754</td>
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