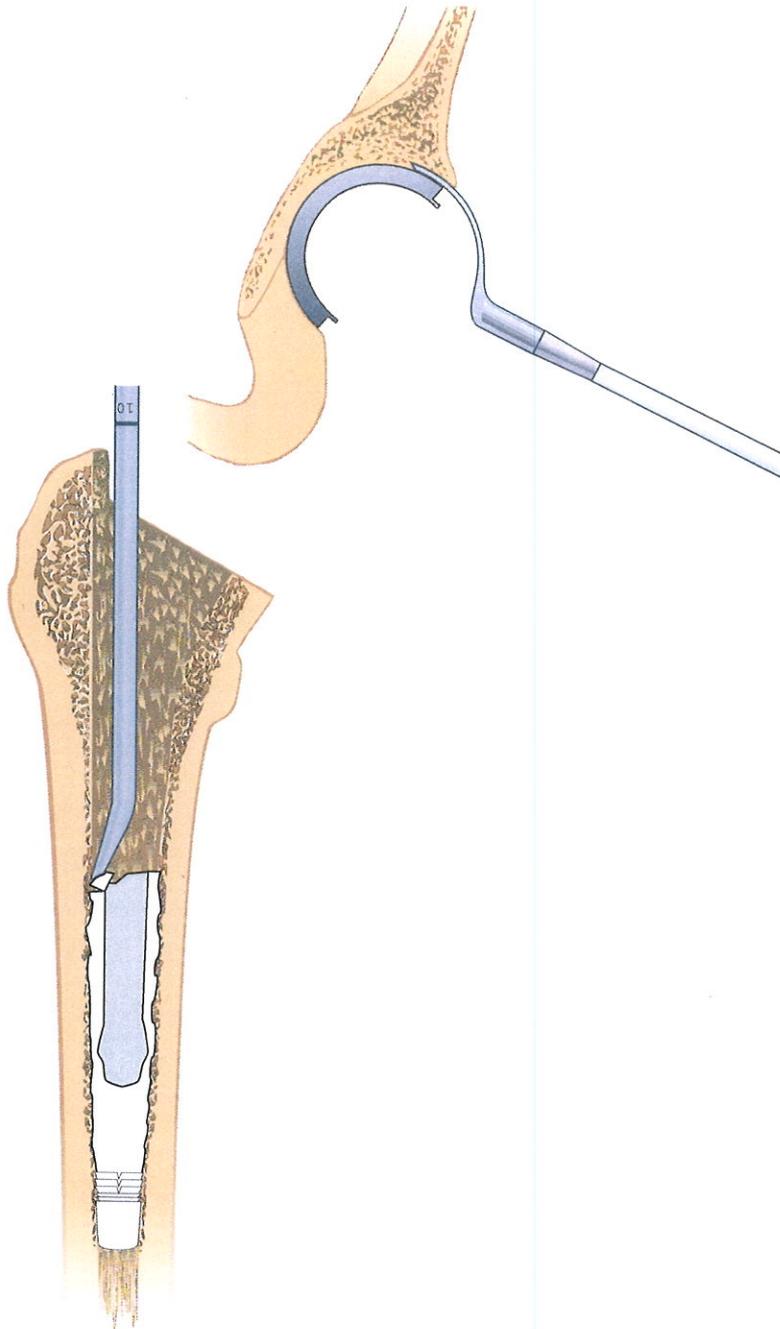


*2. p. d.*



# Acetabular implant removal

*p. 2. 4*

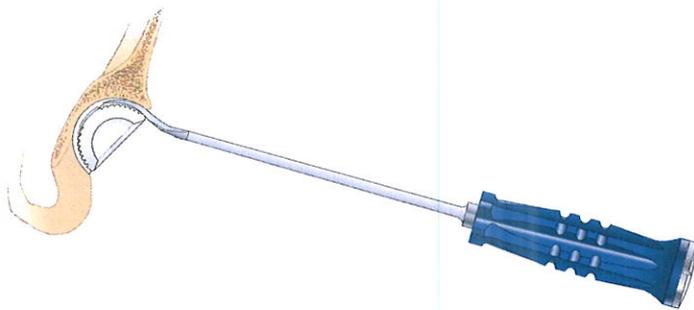
## Curved Acetabular Chisel

The Curved Acetabular Chisel (7136-7544) is used to loosen the cemented acetabular component. It can be used to either chip away cement surrounding the prosthesis, taking care to minimize damage to the bone, or to develop a plane between the prosthesis/cement interface.



## Small Acetabular Gouge

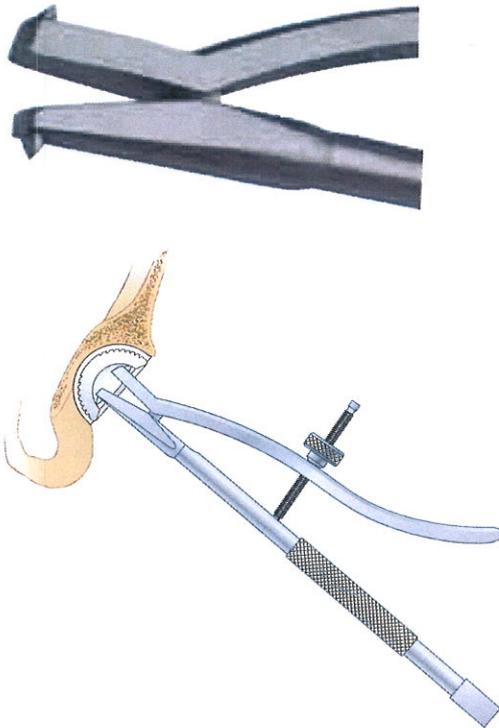
If the acetabular prosthesis is not sufficiently loose to be extracted with the Acetabular Component Gripper, the Small Acetabular Gouge (7136-7542) can be used to free it. The Small Acetabular Gouge is used to develop a plane at the prosthesis/cement interface. To preserve acetabular bone, avoid using this instrument at the cement/bone interface. Care should be taken to avoid levering against the acetabular bone.



p.d. 2.6.

### Acetabular Component Gripper

Use the Acetabular Component Gripper (7136-7542) to extract a cemented acetabular prosthesis that is clinically loose or has been loosened. The spiked end of the Gripper is used to grip the polyethylene liner and is designed to accommodate liners with inner diameters ranging from 22mm to 32mm. In some cases, only the Gripper will be necessary and can be used to manipulate the prosthesis. The Small Slap Hammer (7136-7541) can be screwed into the end of the Gripper for more difficult extractions.



p.d. 2.5

### Round Acetabular Cement Splitter

After the cemented acetabular prosthesis is removed, the Round Acetabular Cement Splitter (7136-7545) can be used to fragment the remaining cement shell. Its curved surface is similar to that of the acetabular cement shell, and its sharp edge easily fragments the cement for removal. Care should be taken to fragment cement into small pieces and not to damage the medial wall of the acetabulum or to drive cement into the pelvis. Small osteotomes may be beneficial in fragmenting and removing plugs of cement from anchoring holes.

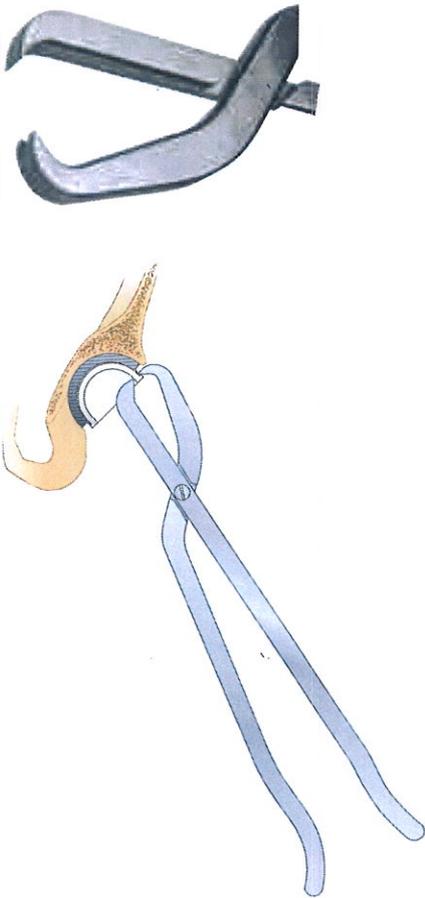


# Acetabular implant removal

*n.d. 2.8.*

## Acetabular Component Forceps

The Acetabular Component Forceps (7136-7543) have a dual purpose. The primary function is to grasp and manipulate a loose acetabular prosthesis. As a secondary function, it can be used in some cases to separate the polyethylene liner from a metal shell. To accomplish this, the "V" notched inner jaw is placed inside of the polyethylene liner while the sharp edge of the wedged jaw is placed into the interface between the metal shell and the liner. As pressure is applied, the liner will separate from the metal shell as it displaces along the inclined surface of the wedged jaw.



## Acetabular Gouges

The Acetabular Gouges (7136-7546, 7136-7550, 7136-7554, 7136-7558, and 7136-7562) are designed to disrupt the biological fixation of porous acetabular components. Five sizes, 46, 50, 54, 58 and 62mm, are offered to complement the contour of most porous acetabular components. Once the liner and any screws have been removed, the Acetabular Gouges are used to create a separating plane at the prosthesis/bone interface. The Acetabular Gouges feature sharp edges on all three sides for maximum cutting efficiency. Care should be taken to avoid levering against the acetabular bone.

*n.d. 2.1  
2.2  
2.3*



# Femoral implant removal

## Reverse Curettes

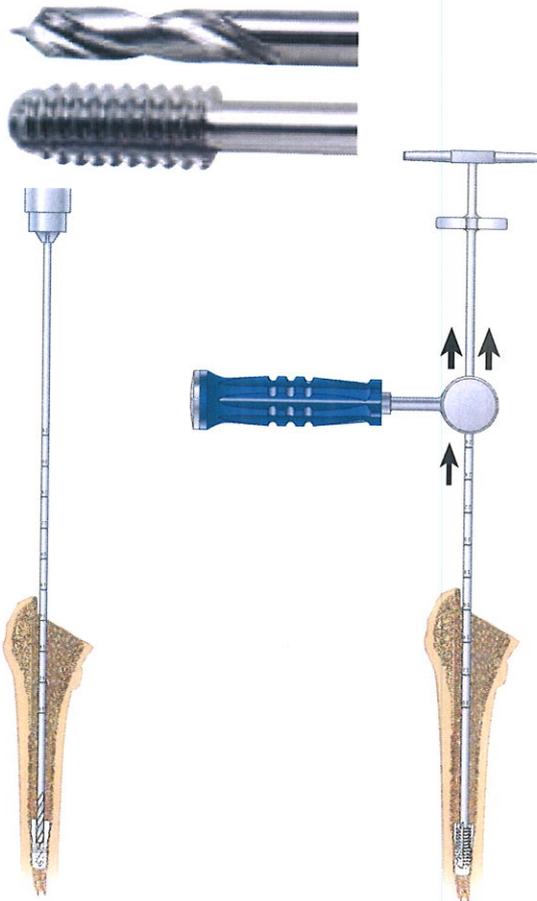
The Reverse Curettes (7136-9517 and 7136-9519) come in two widths, 7mm and 9mm. They are primarily used to scrape along the inside of the canal to remove any remnants of the cement mantle or residual membrane after cement removal.



## Cement Drills and Conical Taps

If the distal cement mantle is intact and loose, the Cement Drills (7136-9045, 7136-9006, and 7136-9008) and sharp-threaded Conical Taps (7136-9007 and 7136-9009) can be used to extract the distal cement mantle as a large fragment. The risk of cortical perforation should be assessed through A/P and lateral radiographs prior to introducing the Cement Drill. Care should be taken not to introduce the drill into an eccentrically placed channel. The Cement Drills are offered in three diameters, 4.5mm, 6mm, and 8mm, and are used to create a pilot hole into the cement restrictor through which the Conical Taps are passed. The Conical Taps also come in two diameters, 7mm and 9mm, and are used in conjunction with the Slotted Mallet (7136-7552). After the appropriate size tap is chosen, several sharp turns embed it into the cement restrictor. The Slotted Mallet is then impacted against the collar to extract the distal cement.

*p.d. 2.7*



### Carbide Punch

In the case of a fractured femoral stem, the proximal portion is usually loose and easily removed. In contrast, the distal portion remains fixed in the remaining cement mantle. The Carbide Punch (7136-7566) is an effective tool for removing the distal portion of the fractured stem. A longitudinal slot is created just distal to the top of the broken prosthesis to allow access to the broken fragment directly. The Carbide Punch is then used to make divots in the surface of the prosthesis and drive the prosthesis proximally.



*n.d. 2.7*

# Catalog information

Catalog Item	Description
<b>7136-7575</b>	<b>RENOVATION® Implant Removal Kit</b>
Includes the Acetabular and Femoral Implant Removal Trays and Instruments. Disposable Osteotome Blades are not included.	

Catalog Item	Description
<b>7136-7576</b>	<b>Acetabular Implant Removal Tray</b>
Tray Accepts the Following:	
7136-7577	Acetabular Implant Removal Tray Insert
7136-7547	Osteotome System Tray Insert
7136-7541	Small Slap Hammer
7136-7542	Acetabular Component Gripper
7136-7543	Acetabular Component Forceps
7136-7544	Curved Acetabular Chisel
7136-7545	Round Acetabular Cement Splitter
7136-7548	Quick-Coupling Osteotome Handle, Short
7136-7549	Quick-Coupling Osteotome Handle, Long
7136-7546	Acetabular Gouge, Size 46
7136-7550	Acetabular Gouge, Size 50
7136-7554	Acetabular Gouge, Size 54
7136-7558	Acetabular Gouge, Size 58
7136-7562	Acetabular Gouge, Size 62
7136-7567	Small Acetabular Gouge

- n.d. 2.9

n.d. 2.1  
2.2  
2.3

<b>Disposable Osteotome Blades (Sterile)</b>	
7136-9310	Radial Osteotome Blade, Size 10
7136-9312	Radial Osteotome Blade, Size 12
7136-9314	Radial Osteotome Blade, Size 14
7136-9316	Radial Osteotome Blade, Size 16
7136-9208	Thin Osteotome Blade, 8mm x 3"
7136-9210	Thin Osteotome Blade, 10mm x 3"
7136-9212	Thin Osteotome Blade, 12mm x 3"
7136-9220	Thin Osteotome Blade, 20mm x 3"
7136-9412	Thin Osteotome Blade, Rounded End, 12mm
7136-9420	Thin Osteotome Blade, Rounded End, 20mm
7136-9410	Thin Osteotome Blade, 10mm x 5"
7136-9408	Thin Osteotome Blade, 8mm x 5"