



ReCap®  
Product **Rationale**

A Complete resurfacing **system** designed on  
engineering principles, tried and tested in  
clinically proven fixation methods

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materials and



Bone Preservation

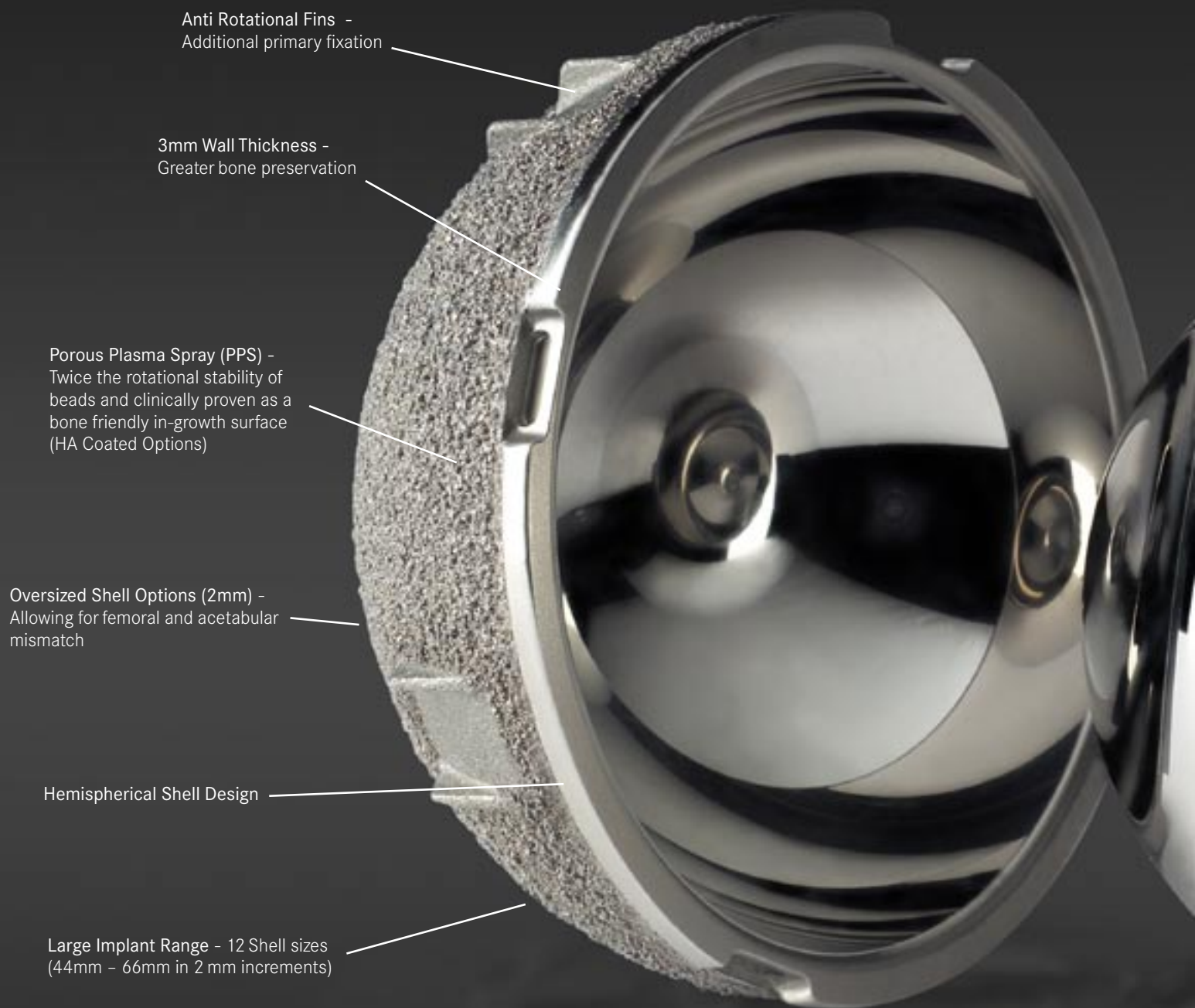
Optimal wear Characteristics/Tribology

Clinically Proven Fixation Methods

Intra-operative Flexibility

Precise & Reproducible Instrumentation

ReCap®  
Total Resurfacing System

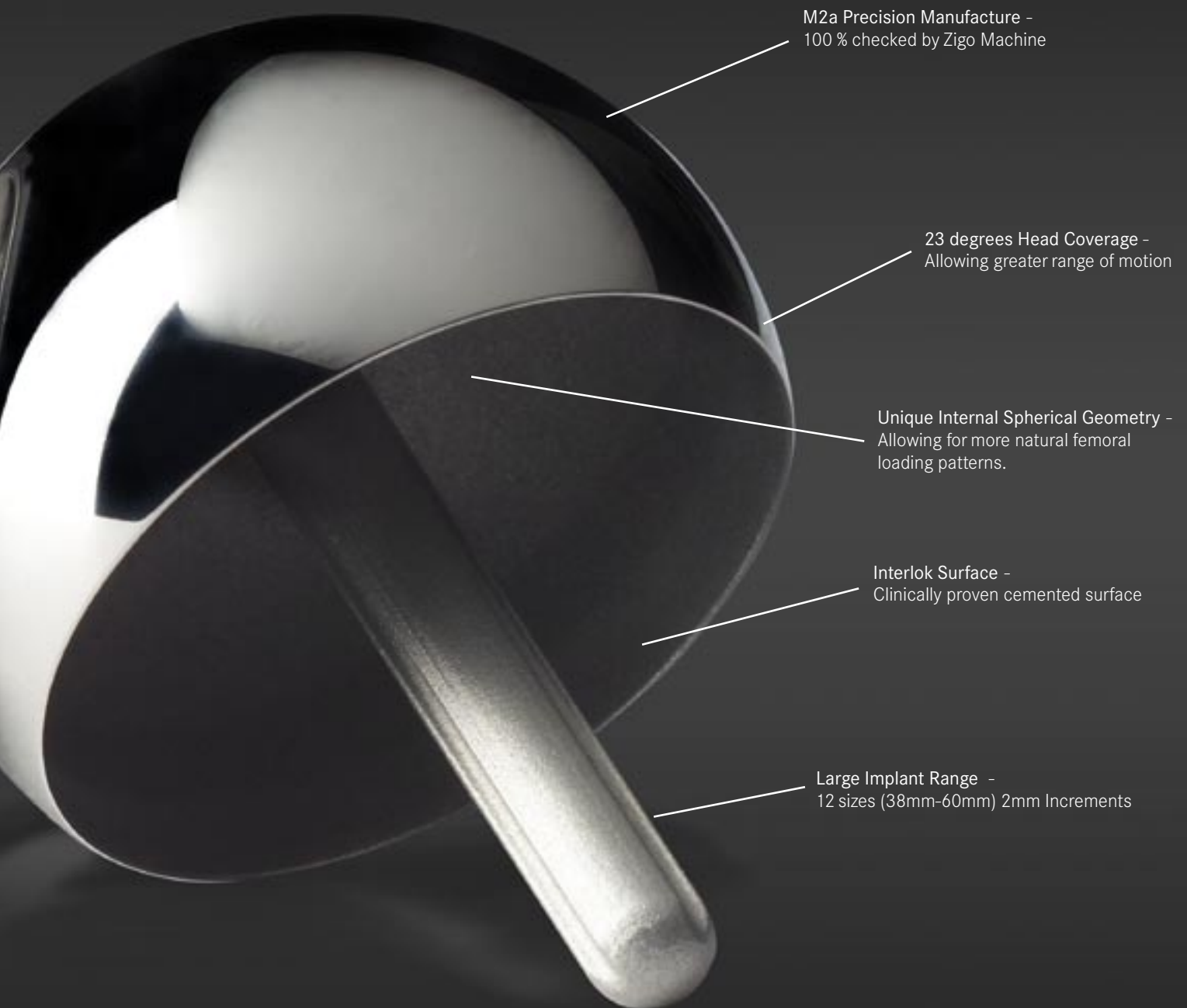


## Introduction

Accumulated experience has shown that wear particles of polyethylene are the principle cause of interface failure. This is particularly important in young, high activity individuals where long term fixation is needed. The time has come when the use of optimally designed Metal on Metal bearings, with virtually no generation of wear debris, should be considered in such patients.

Biomet's commitment to manufacturing Gold Standard Metal on Metal implants date back to 1961, with Stanmore Total Hip System. This was followed by the McKee Farrah Total Hip System and more recently with the M<sup>2</sup>a Hip System. In response to this, Biomet, along with Key Development Centres world-wide, have developed the ReCap<sup>®</sup> Total Resurfacing System.

# The ReCap® System



## Bone Preservation

The ReCap® Total Resurfacing System resects minimal bone, both from the femur and acetabulum. This is attributed to the thin components and 2mm increment component sizing. The unique spherical femoral reaming technique employed by the system, offers some distinct advantages:

- Reduces Risk of Notching
- Normal Femoral Loading
- Restoration of Normal Anatomy
- Reduced Risk of Dislocation

The acetabular component follows the same philosophy. With a wall thickness of only 3mm and again a 2mm increment component sizing, it allows minimal reaming to achieve optimal fixation.





## Optimal Wear Characteristics and Tribology

Biomet had a vast understanding of what is needed to produce the optimal Metal on Metal Implant, focusing efforts on optimal materials, manufacturing tolerances and processes.

“As-cast materials were determined to have greater abrasive wear resistance when compared to single or multiple heat treated materials”

*“A tribological study of cobalt chromium molybdenum alloys used in metal-on-metal resurfacing hip arthroplasty”, J. Cawley, J.E.P. Metcalf, A.H. Jones, T.J. Band and D.S. Skupien, Wear 255 (2003), 999-1006*



## Clinically Proven Fixation Methods

In determining which implant and surface coating is best for patients, many issues should be considered, including:

- How are initial stability and fixation achieved?
- To what degree will osseointegration occur, and when?
- Will the coating successfully inhibit debris migration?

By addressing these three critical issues, Biomet's Porous Plasma Spray has achieved outstanding clinical results since its introduction in 1981. At Follow up, surgeons are observing results of nearly 100% survivorship at over 10 years with implants such

as the Bimetric Hip System, Taperloc Hip System, AGC Total Knee System and Bio-Modular Total Shoulder System. It is well documented that Hydroxyapatite stimulates Osteoblast activity and will further aid in initial stability when applied on top of our clinically proven porous plasma spray.

- 99.5% Survivorship 12 years<sup>1</sup>
- 100% Survivorship 10.4 years<sup>2</sup>
- 99.6% Survivorship 12 years<sup>3</sup>
- 98% Survivorship 12 Years<sup>4</sup>



“As-cast materials were determined to have greater abrasive wear resistance when compared to single or multiple heat treated materials”

## Intra-operative Flexibility

In an unpredictable situation like surgery, it is comforting to know you have a number of options to deal with difficult situations. ReCap® is one of the most comprehensive systems on the market, offering:

### Large Implant Range

38mm-60mm Femoral Head 2mm Increments

44mm-66mm Acetabular Cup 2mm Increments

### Modular Revision Heads

Designed for easy revision to THR

Can be used with any Biomet Stem

### 2mm Oversized Acetabular Cups

Oversized outer diameter allows for femoral and acetabular size mismatching

### Porous Coating & HA Coating

Femoral and acetabular components available as cemented or uncemented with HA





## Precise & Reproducible Instrumentation

### Dedicated Instrumentation

Machined to exact tolerances enabling reproducible results time after time

### Sequential Surgical Technique

Logical stepped surgical procedure giving the surgeon intra operative flexibility

### Designed to be used with MicroPlasty

Instruments designed to be used through a minimal incision, allowing Rapid Recovery for the Patient

# Ordering Information

## Implants

### ReCap® Resurfacing Heads

Cat. No.	Description
157238	ReCap Resurfacing Head Sz 38mm
157240	ReCap Resurfacing Head Sz 40mm
157242	ReCap Resurfacing Head Sz 42mm
157244	ReCap Resurfacing Head Sz 44mm
157246	ReCap Resurfacing Head Sz 46mm
157248	ReCap Resurfacing Head Sz 48mm
157250	ReCap Resurfacing Head Sz 50mm
157252	ReCap Resurfacing Head Sz 52mm
157254	ReCap Resurfacing Head Sz 54mm
157256	ReCap Resurfacing Head Sz 56mm
157258	ReCap Resurfacing Head Sz 58mm
157260	ReCap Resurfacing Head Sz 60mm

### ReCap® Magnum™ Porous Coated Acetabular Component

Cat. No.	Description
157844	ReCap PF PC Acetabular Comp Ø 44/38mm
157846	ReCap PF PC Acetabular Comp Ø 46/40mm
157848	ReCap PF PC Acetabular Comp Ø 48/42mm
157850	ReCap PF PC Acetabular Comp Ø 50/44mm
157852	ReCap PF PC Acetabular Comp Ø 52/46mm
157854	ReCap PF PC Acetabular Comp Ø 54/48mm
157856	ReCap PF PC Acetabular Comp Ø 56/50mm
157858	ReCap PF PC Acetabular Comp Ø 58/52mm
157860	ReCap PF PC Acetabular Comp Ø 60/54mm
157862	ReCap PF PC Acetabular Comp Ø 62/56mm
157864	ReCap PF PC Acetabular Comp Ø 64/58mm
157866	ReCap PF PC Acetabular Comp Ø 66/60mm

### M2a-Magnum™ Modular Heads

Cat. No.	Description
157438	M2a Magnum Modular Head Sz 38mm
157440	M2a Magnum Modular Head Sz 40mm
157442	M2a Magnum Modular Head Sz 42mm
157444	M2a Magnum Modular Head Sz 44mm
157446	M2a Magnum Modular Head Sz 46mm
157448	M2a Magnum Modular Head Sz 48mm
157450	M2a Magnum Modular Head Sz 50mm
157452	M2a Magnum Modular Head Sz 52mm
157454	M2a Magnum Modular Head Sz 54mm
157456	M2a Magnum Modular Head Sz 56mm
157458	M2a Magnum Modular Head Sz 58mm
157460	M2a Magnum Modular Head Sz 60mm

### ReCap® Magnum™ HA Porous Coated Acetabular Component

Cat. No.	Description
157944	ReCap PF HA/PC Acetabular Comp Ø 44/38mm
157946	ReCap PF HA/PC Acetabular Comp Ø 46/40mm
157948	ReCap PF HA/PC Acetabular Comp Ø 48/42mm
157950	ReCap PF HA/PC Acetabular Comp Ø 50/44mm
157952	ReCap PF HA/PC Acetabular Comp Ø 52/46mm
157954	ReCap PF HA/PC Acetabular Comp Ø 54/48mm
157956	ReCap PF HA/PC Acetabular Comp Ø 56/50mm
157958	ReCap PF HA/PC Acetabular Comp Ø 58/52mm
157960	ReCap PF HA/PC Acetabular Comp Ø 60/54mm
157962	ReCap PF HA/PC Acetabular Comp Ø 62/56mm
157964	ReCap PF HA/PC Acetabular Comp Ø 64/58mm
157966	ReCap PF HA/PC Acetabular Comp Ø 66/60mm

### M2a-Magnum™ Modular Head

#### Type1 Taper Adaptors

Cat. No.	Description
130818	ReCap Tpr Adptr 38-40mm -6mm (T1)
130819	ReCap Tpr Adptr 38-40mm -3mm (T1)
130820	ReCap Tpr Adptr 38-40mm STD (T1)
130821	ReCap Tpr Adptr 38-40mm +3mm (T1)
130822	ReCap Tpr Adptr 38-40mm +6mm (T1)
130823	ReCap Tpr Adptr 38-40mm +9mm (T1)
139252	ReCap Tpr Adptr 42-50mm -6mm (T1)
139254	ReCap Tpr Adptr 42-50mm -3mm (T1)
139256	ReCap Tpr Adptr 42-50mm STD (T1)
139258	ReCap Tpr Adptr 42-50mm +3mm (T1)
139260	ReCap Tpr Adptr 42-50mm +6mm (T1)
139262	ReCap Tpr Adptr 42-50mm +9mm (T1)
139264	ReCap Tpr Adptr 52-60mm -6mm (T1)
139266	ReCap Tpr Adptr 52-60mm -3mm (T1)
139268	ReCap Tpr Adptr 52-60mm STD (T1)
139270	ReCap Tpr Adptr 52-60mm +3mm (T1)
139272	ReCap Tpr Adptr 52-60mm +6mm (T1)
139274	ReCap Tpr Adptr 52-60mm +9mm (T1)

### M2a-Magnum™ Modular Head

#### 12/14 Taper Adaptors

Cat. No.	Descriptioners
130824	ReCap Tpr Adptr 38-40mm -2mm (12/14)
130825	ReCap Tpr Adptr 38-40mm STD (12/14)
130826	ReCap Tpr Adptr 38-40mm +4mm (12/14)
130827	ReCap Tpr Adptr 38-40mm +8mm (12/14)
130829	ReCap Tpr Adptr 42-50mm -2mm (12/14)
130830	ReCap Tpr Adptr 42-50mm STD (12/14)
130831	ReCap Tpr Adptr 42-50mm +4mm (12/14)
130832	ReCap Tpr Adptr 42-50mm +8mm (12/14)
130834	ReCap Tpr Adptr 52-60mm -2mm (12/14)
130835	ReCap Tpr Adptr 52-60mm STD (12/14)
130836	ReCap Tpr Adptr 52-60mm +4mm (12/14)
130837	ReCap Tpr Adptr 52-60mm +8mm (12/14)

## Instrumentation

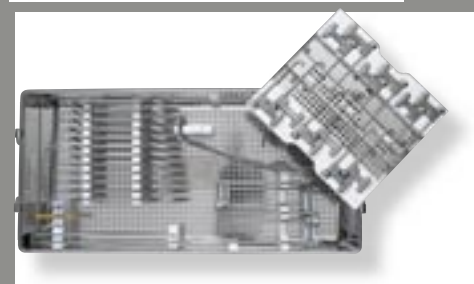
ReCap® Femoral Instrument Tray  
Catalogue Number 31-600206

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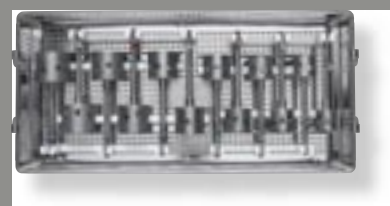
ReCap® General Instrument Tray  
Catalogue Number 31-600201

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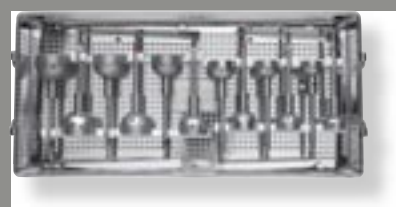
ReCap® Cylindrical Reamer Tray  
Catalogue Number 31-600203

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ReCap® Spherical Reamer Tray  
Catalogue Number 31-600204

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ReCap® Acetabular Instruments Tray  
Catalogue Number 31-600202

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ReCap® Acetabular Grater Reamer Tray  
Catalogue Number 31-600055

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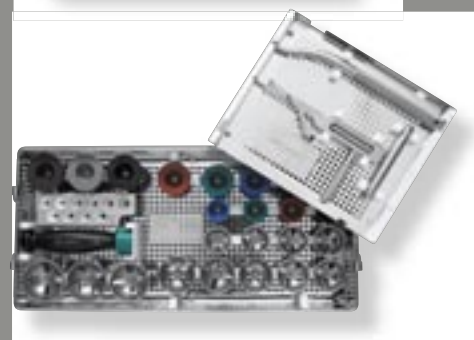


ReCap® / Magnum™ Mod Hd General Case

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Catalogue Number 31-600199

*(note: when ordering catalogue no. 31-600199  
please also order either 31-600386 or 31-600388)*



## Additional Items Required

ReCap® / Magnum™ Mod Head Trial Taper Adaptor Set (12-14)

Catalogue Number 31-600388

ReCap® / Magnum™ Mod Hd Trial Taper Adaptor Set (T1)

Catalogue Number 31-600386

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