

SELF-CENTERING™ Bipolar/Modular Cathcart Unipolar

Modular Endo Heads

Surgical Technique



Responding To The Surgeon

The SELF-CENTERING™ Bipolar and Modular Cathcart Unipolar Endo Heads add versatility to the DePuy Synthes hip portfolio. Simple modular endo head instrumentation and a variety of trialing options provide the best fit. When combined with the wide range of DePuy Synthes femoral components and the surgeon's preferred technique, the SELF-CENTERING Bipolar can be a cost-effective and efficient approach to femoral neck fractures and avascular necrosis.

SELF-CENTERING Bipolar

The SELF-CENTERING Bipolar Heads have over thirty years of clinical heritage and are available in sizes ranging from 39-65mm for 28mm femoral heads. Positive eccentricity allows for centers to align themselves to the proper anatomic position and proper load distribution when downward force is applied. The bipolar's dual articulation uses primary internal articulation to help reduce secondary acetabular articulation and associated acetabular wear.

Modular Cathcart Unipolar

The Modular Cathcart Unipolar Heads have over 25 years of clinical heritage and are available in sizes 41mm-60mm. Neck length adjustment is achieved with the use of tapered spacers. Since the natural femoral head is nonspherical, the Modular Cathcart Unipolar is designed with more material at the apex of the sphere, creating an orthocentric geometry. This design is intended to mimic normal femoral head anatomy and help maintain the circulation of the synovial fluid.



Trial heads allow easy intraoperative trialing.



SELF-CENTERING Bipolar

Note: The poly is packaged inside the shell so first thing to do is to use liner release forceps to remove liner from shell then place poly insert on head.

Step 1

After cleaning and drying the femoral neck trunnion, impact the appropriate femoral head onto the stem with the femoral head impactor.

Step 2

Snap the polyethylene liner over the assembled femoral head.

Step 3

Place the shell over the liner and snap it into its locked position. An audible click will be heard when the locking ring snaps into place.

Step 4

Check the interlock of the components, and reduce the bipolar head into the acetabulum.

Modular Cathcart Unipolar

Step 1

After cleaning and drying the femoral neck trunnion, place the tapered spacer onto it using firm manual pressure.

Step 2

Clean and dry the outer portion of the tapered spacer and place the unipolar head onto it.

Step 3

Impact the unipolar head onto the tapered spacer using the femoral head impactor.

Step 4

Check the interlock of the components, and reduce the unipolar head into the acetabulum.

Ordering Information

Modular Cathcart Unipolar Implants

Catalog No.	Size
Unipolar Heads	
1363-41-000	41mm
1363-42-000	42mm
1363-43-000	43mm
1363-44-000	44mm
1363-45-000	45mm
1363-46-000	46mm
1363-47-000	47mm
1363-48-000	48mm
1363-49-000	49mm
1363-50-000	50mm
1363-51-000	51mm
1363-52-000	52mm
1363-53-000	53mm
1363-54-000	54mm
1363-56-000	56mm
1363-58-000	58mm
1363-60-000	60mm

Modular Cathcart Unipolar Tapered Spacers

Catalog No.	Size
Tapered Spacers, 12/14 ARTICUL/EZE®	
1363-08-000	-3mm
1363-10-000	+0mm
1363-12-000	+5mm
1363-14-000	+10mm

SELF-CENTERING Bipolar Implants

Catalog No.	Size
28mm I.D. Bipolar Head	
1035-39-000	39mm
1035-40-000	40mm
1035-41-000	41mm
1035-42-000	42mm
1035-43-000	43mm
1035-44-000	44mm
1035-45-000	45mm
1035-46-000	46mm
1035-47-000	47mm
1035-48-000	48mm
1035-49-000	49mm
1035-50-000	50mm
1035-51-000	51mm
1035-52-000	52mm
1035-53-000	53mm
1035-54-000	54mm
1035-55-000	55mm
1035-56-000	56mm
1035-57-000	57mm
1035-59-000	59mm
1035-61-000	61mm
1035-63-000*	63mm
1035-65-000*	65mm

Modular Endo Head Trials

Catalog No.	Size
Trial Shells	
2055-39-000	39mm
2055-40-000	40mm
2055-41-000	41mm
2055-42-000	42mm
2055-43-000	43mm
2055-44-000	44mm
2055-45-000	45mm
2055-46-000	46mm
2055-47-000	47mm
2055-48-000	48mm
2055-49-000	49mm
2055-50-000	50mm
2055-51-000	51mm
2055-52-000	52mm
2055-53-000	53mm
2055-54-000	54mm
2055-55-000	55mm
2055-56-000	56mm
2055-57-000	57mm
2055-58-000	58mm
2055-59-000	59mm
2055-60-000	60mm
2055-61-000	61mm
2055-63-000	63mm
2055-65-000	65mm

Head Trials (Colors):

Green = BiPolar

Brown = UniPolar

Black = Uni & Bi-Polar

Modular Endo Head Trials

Catalog No.	Size
Trial Spacers 12/14 ARTICUL/EZE	
2038-16-000	-3mm Rust
2038-18-000	+0mm Black
2038-20-000	+5mm Green
2038-22-000	+10mm Blue

Modular Endo Head Instruments

Catalog No.	Size
Head Sizers	
2055-18-000	41 - 46mm
2055-20-000	47 - 51mm
2055-22-000	52 - 56mm
2055-24-000	57 - 61mm

Catalog No. Description

Catalog No.	Description
Head Sizers	
19-5580	Liner Release Forceps
2055-11-000	Instrument Case
2055-12-000	Trial Handle, Straight
2055-13-000	Trial Handle, Angled
2055-14-000	Adapter Removal Inst.
2055-16-000	Bipolar Retaining Clip, 28mm Rust

Limited Warranty and Disclaimer: DePuy Synthes products are sold with a limited warranty to the original purchaser against defects in workmanship and materials. Any other express or implied warranties, including warranties of merchantability or fitness, are hereby disclaimed.

Please also refer to the package insert(s) or other labeling associated with the devices identified in this surgical technique for additional information.

CAUTION: Federal Law restricts these devices to sale by or on the order of a physician.

Some devices listed in this surgical technique may not have been licensed in accordance with Canadian law and may not be for sale in Canada.

Please contact your sales consultant for items approved for sale in Canada.

Not all products may currently be available in all markets.



DePuy Orthopaedics, Inc.

700 Orthopaedic Drive
Warsaw, IN 46582
USA

Tel: +1 (800) 366-8143
Fax: +1 (574) 267-7196

DePuy International, Ltd.

St Anthony's Road
Leeds LS11 8DT
England

Tel: +44 (0) 113 270 0461

www.depuysynthes.com