









Instruction for Use

Cemented Polyethylene Acetabular

Legend of Symbols Used in the Packages

REF	Product Code		Avoid direct exposition to sunlight
LOT	Batch Number		Protect from Humidity
	Read Use Instructions		Caution – Fragile
UHMWPE Material	Ultra High Molecular Weight (NBR 5834-2)		Do not use if package is violated
	Manufacturing date		Due Date
STERILE ^R	Sterile product - Sterilized by Gamma Radiation		Single Use Product

DESCRIPTION:

The product has a concave shape, with grooves on the outside and variation in diameter. It is available with Rim, Standard, Flange, with three models:

1. With Spacer (with PMMA)
2. Without Spacer (Without PMMA)
3. With Locking

It has a stainless steel ring, ASTM F138, fixed to the slot, which allows to obtain a better radiological view.

The Cemented Polyethylene Acetabular Component, is an implant intended for direct placement in the pelvic cavity, eliminating the use of metal acetabular component. The outer surface has a hemispherical profile to fit into the acetabular cavity, has channels for anchorage of bone cement and the inner surface is spherical for articulation with the femoral head.

The acetabulum are indicated for primary and revision hip surgeries, available in dysplastic version, with and without flap. It also has a posterior edge with 10° of inclination, which minimizes the risk of dislocation.

The acetabulum can be used in conjunction with the entire line of femoral prostheses and endoprosthesis from the same manufacturer. It has the outer region, spacers, in order to maintain an even layer of bone cement around the prosthesis.

The raw material used is Polyethylene UHMWPE NBR ISO 5834-2.

The acetabula are presented in the following models:



SPOAC WITH SPACER
(with PMMA)



SPOAC



Charnley Flanged



Charnley Flanged and Spacer



Charnley Standard with Spacer



Charnley Standard



Charnley with Rim



Muller with Spacer



Muller



Muller with Locking



Máxima



**Máxima with Spacer
(with PMMA)**

Purpose

INDICATION AND PURPOSE WHICH ARE INTENDED THE ACETABULUM:

They are indicated for use in individuals with a mature skeletal as part of the reconstruction of the acetabular portion in total hip arthroplasties in patients those present damages at these joints as a consequence of degenerative articular disease non inflammatory (osteoarthritis), necrosis avascular of the femoral head, Acetabular protrusion, secondary osteoarthritis to traumatism, proximal femoral epiphysiolysis, and sequelae of fractures of the pelvis, ankylosis or hip surgical arthrodesis.

Particular features of the acetabulum:

Acetabulum with Flange:



Photo 01

It is an implant intended for direct placement in the pelvic cavity, eliminating the use of metal acetabular component (metal back).

It is used when the acetabular wall is too weak or too thin, the flange serves to support the edge of the natural acetabulum, serving as support.

The outer surface has a hemispherical profile flange on the sides to support the acetabular rim, has channels for anchorage of bone cement and the inner surface is spherical for articulation with the femoral head.

Acetabulum with Rim



Photo 02

It is an implant intended for direct placement in the pelvic cavity, eliminating the use of metal acetabular component (metal back).

This posterior rim is an angulation of 10° in the anterior acetabulum part that serves as security against possible dislocation is often used in cases where there is dysplasia (acetabular straight without natural angled)

The outer surface has a hemispherical profile to fit into the acetabular cavity, has channels for anchorage of bone cement and the inner surface is spherical for articulation with the femoral head.

Acetabulum with Spacer



Photo 03

Implant intended for direct placement in the pelvic cavity, eliminating the use of metal acetabular component (metal back).

Suitable for Primary and Revision hip surgery is available in dysplastic version, with and without flap. The spacer serves to meet the 2 cm of bone cement. It also has a posterior edge with 10° of inclination, which minimizes the risk of dislocation.

Acetabulum Standard



Photo 04

Implant intended for direct placement in the pelvic cavity, eliminating the use of metal acetabular component (metal back).

Used when the situation is not too critical or where there is absence of severe deformity.

The outer surface has a hemispherical profile to fit into the acetabular cavity, has channels for anchorage of bone cement and the inner surface is spherical for articulation with the femoral head.

Acetabulum with Locking



Implant intended for direct placement in the pelvic cavity, eliminating the use of metal acetabular component (metal back). It is used when, due to pathology, the risk of Interchangeable Head dislocation. The locking is attached to the inside of the acetabulum in order to lock the Interchangeable Head.

Composition:

The Cemented Polyethylene Acetabular Component is manufactured from the polymer Ultra High Molecular Weight (UHMWPE), according to NBR ISO 5834-2.

Packing:

The acetabulum are placed in plastic or blisters packages (photo below).



The acetabulum are placed unitarily in plastic or blisters packaged.

They present the statement of "sterile" in the leaflet handling instruction and use of the product, and label.

At the blister or plastic package is attached an identification label containing the following information:

- a) Manufacturer's Data
- b) Technical Responsible
- c) reference (code)
- d) Lot
- e) Quantity
- f) Description of package contents
- g) Sterile
- h) Method of Sterilization
- i) Expiration Date
- j) Registration No. ANVISA.
- k) Raw Material
- l) CE symbol
- m) Brazilian Company
- n) See Instrutions of Use

And the words "Product of Single Use – Do not Reuse."

The Cemented Polyethylene Acetabular are available in the following measures:

Table 01 - Description of the Acetabulum

Code	Description
04.01.02.26044	Máxima Acetabulum Cup STD Ø26x44mm
04.01.02.26046	Máxima Acetabulum Cup STD Ø26x46mm
04.01.02.26048	Máxima Acetabulum Cup STD Ø26x48mm
04.01.02.26050	Máxima Acetabulum Cup STD Ø26x50mm
04.01.02.26052	Máxima Acetabulum Cup STD Ø26x52mm
04.01.02.26054	Máxima Acetabulum Cup STD Ø26x54mm
04.01.02.26056	Máxima Acetabulum Cup STD Ø26x56mm
04.01.02.26058	Máxima Acetabulum Cup STD Ø26x58mm
04.01.02.26060	Máxima Acetabulum Cup STD Ø26x60mm
04.01.02.28044	Máxima Acetabulum Cup STD Ø28x44mm
04.01.02.28046	Máxima Acetabulum Cup STD Ø28x46mm
04.01.02.28048	Máxima Acetabulum Cup STD Ø28x48mm
04.01.02.28050	Máxima Acetabulum Cup STD Ø28x50mm
04.01.02.28052	Máxima Acetabulum Cup STD Ø28x52mm
04.01.02.28054	Máxima Acetabulum Cup STD Ø28x54mm
04.01.02.28056	Máxima Acetabulum Cup STD Ø28x56mm
04.01.02.28058	Máxima Acetabulum Cup STD Ø28x58mm
04.01.02.28060	Máxima Acetabulum Cup STD Ø28x60mm
04.01.07.22040	CHARNLEY type Acetabulum with Flanged Ø22x40mm
04.01.07.22043	CHARNLEY type Acetabulum with Flanged Ø22x43mm
04.01.07.22046	CHARNLEY type Acetabulum with Flanged Ø22x46mm
04.01.07.22048	CHARNLEY type Acetabulum with Flanged Ø22x48mm
04.01.07.22050	CHARNLEY type Acetabulum with Flanged Ø22x50mm
04.01.07.22052	CHARNLEY type Acetabulum with Flanged Ø 22 x 52 mm
04.01.07.22054	CHARNLEY type Acetabulum with Flanged Ø 22 x 54 mm
04.01.07.28040	CHARNLEY type Acetabulum with Flanged Ø28x40mm
04.01.07.28043	CHARNLEY type Acetabulum with Flanged Ø28x43mm
04.01.07.28048	CHARNLEY type Acetabulum with Flanged Ø28x48mm
04.01.08.22040	CHARNLEY type Acetabulum with Posterior Rim Ø22x40mm
04.01.08.22043	CHARNLEY type Acetabulum with Posterior Rim Ø22x43mm
04.01.08.22044	CHARNLEY type Acetabulum with Posterior Rim Ø22x44mm
04.01.08.22046	CHARNLEY type Acetabulum with Posterior Rim Ø22x46mm
04.01.08.22048	CHARNLEY type Acetabulum with Posterior Rim Ø22x48mm
04.01.08.22050	CHARNLEY type Acetabulum with Posterior Rim Ø22x50mm
04.01.08.22052	CHARNLEY type Acetabulum with Posterior Rim Ø22x52mm
04.01.08.22054	CHARNLEY type Acetabulum with Posterior Rim Ø22x54mm
04.01.08.22056	CHARNLEY type Acetabulum with Posterior Rim Ø22x56mm
04.01.08.28040	CHARNLEY type Acetabulum with Posterior Rim Ø28x40mm
04.01.08.28043	CHARNLEY type Acetabulum with Posterior Rim Ø28x43mm
04.01.08.28048	CHARNLEY type Acetabulum with Posterior Rim Ø28x48mm
04.01.09.22040	CHARNLEY type Acetabulum Standard Ø22x40mm
04.01.09.22043	CHARNLEY type Acetabulum Standard Ø22x43mm
04.01.09.22046	CHARNLEY type Acetabulum Standard Ø22x46mm

04.01.09.22048	CHARNLEY type Acetabulum Standard Ø22x48mm
04.01.09.22050	CHARNLEY type Acetabulum Standard Ø22x50mm
04.01.09.22052	CHARNLEY type Acetabulum Standard Ø22x52mm
04.01.09.22054	CHARNLEY type Acetabulum Standard Ø 22 x 54 mm
04.01.09.22056	CHARNLEY type Acetabulum Standard Ø22x56mm
04.01.09.28043	CHARNLEY type Acetabulum Standard Ø28x43mm
04.01.09.28046	CHARNLEY type Acetabulum Standard Ø28x46mm
04.01.10.28044	MULLER type Acetabulum with Posterior Rim Ø28x44mm
04.01.10.28046	MULLER type Acetabulum with Posterior Rim Ø28x46mm
04.01.10.28048	MULLER type Acetabulum with Posterior Rim Ø28x48mm
04.01.10.28050	MULLER type Acetabulum with Posterior Rim Ø28x50mm
04.01.10.28052	MULLER type Acetabulum with Posterior Rim Ø28x52mm
04.01.10.28054	MULLER type Acetabulum with Posterior Rim Ø28x54mm
04.01.10.28056	MULLER type Acetabulum with Posterior Rim Ø28x56mm
04.01.10.28058	MULLER type Acetabulum with Posterior Rim Ø 28 x 58 mm
04.01.10.28060	MULLER type Acetabulum with Posterior Rim Ø 28 x 60 mm
04.01.10.32050	MULLER type Acetabulum with Posterior Rim Ø 32x50 mm
04.01.11.26044	MULLER type Acetabulum STD Ø26x44mm
04.01.11.26046	MULLER type Acetabulum STD Ø26x46mm
04.01.11.26048	MULLER type Acetabulum STD Ø26x48mm
04.01.11.26050	MULLER type Acetabulum STD Ø26x50mm
04.01.11.26052	MULLER type Acetabulum STD Ø26x52mm
04.01.11.26054	MULLER type Acetabulum STD Ø26x54mm
04.01.11.26056	MULLER type Acetabulum STD Ø26x56mm
04.01.11.26058	MULLER type Acetabulum STD Ø26x58mm
04.01.11.28044	MULLER type Acetabulum STD Ø28x44mm
04.01.11.28046	MULLER type Acetabulum STD Ø28x46mm
04.01.11.28048	MULLER type Acetabulum STD Ø28x48mm
04.01.11.28050	MULLER type Acetabulum STD Ø28x50mm
04.01.11.28052	MULLER type Acetabulum STD Ø28x52mm
04.01.11.28054	MULLER type Acetabulum STD Ø28x54mm
04.01.11.28056	MULLER type Acetabulum STD Ø28x56mm
04.01.11.28058	MULLER type Acetabulum STD Ø28x58mm
04.01.11.28060	MULLER type Acetabulum STD Ø28x60mm
04.01.11.32048	MULLER type Acetabulum STD Ø 32x48mm
04.01.11.32050	MULLER type Acetabulum STD Ø 32x50mm
04.01.11.32054	MULLER type Acetabulum STD Ø 32x54mm
04.01.12.22042	SPOAC Acetabulum STD Ø 22 x 42 mm
04.01.12.22044	SPOAC Acetabulum STD Ø22x44mm
04.01.12.22046	SPOAC Acetabulum STD Ø22x46mm
04.01.12.28048	SPOAC Acetabulum STD Ø 28 x 48 mm
04.01.12.28050	SPOAC Acetabulum STD Ø28x50mm
04.01.12.28052	SPOAC Acetabulum STD Ø28x52mm
04.01.13.22042	SPOAC Acetabulum Ø22x42mm - PMMA
04.01.13.22044	SPOAC Acetabulum Ø22x44mm - PMMA
04.01.13.22046	SPOAC Acetabulum Ø22x46mm - PMMA
04.01.13.26042	SPOAC Acetabulum Ø26x42mm - PMMA
04.01.13.26044	SPOAC Acetabulum Ø26x44mm - PMMA
04.01.13.26046	SPOAC Acetabulum Ø26x46mm - PMMA
04.01.13.26048	SPOAC Acetabulum Ø26x48mm - PMMA
04.01.13.26050	SPOAC Acetabulum Ø26x50mm - PMMA
04.01.13.26052	SPOAC Acetabulum Ø26x52mm - PMMA
04.01.13.28048	SPOAC Acetabulum Ø28x48mm - PMMA
04.01.13.28050	SPOAC Acetabulum Ø28x50mm - PMMA
04.01.13.28052	SPOAC Acetabulum Ø28x52mm - PMMA
04.01.13.28054	SPOAC Acetabulum Ø28x54mm - PMMA
04.01.13.28056	SPOAC Acetabulum Ø28x56mm - PMMA
04.01.13.28058	SPOAC Acetabulum Ø28x58mm - PMMA
04.01.13.28060	SPOAC Acetabulum Ø28x60mm - PMMA
04.01.13.28062	SPOAC Acetabulum Ø28x62mm - PMMA
04.01.14.22040	CHARNLEY type Acetabulum with Flanged Ø22x40mm - PMMA
04.01.14.22043	CHARNLEY type Acetabulum with Flanged Ø22x43mm - PMMA
04.01.14.22044	CHARNLEY type Acetabulum with Flanged Ø22x44mm - PMMA
04.01.14.22046	CHARNLEY type Acetabulum with Flanged Ø22x46mm - PMMA

04.01.14.22048	CHARNLEY type Acetabulum with Flanged Ø22x48mm - PMMA
04.01.14.28050	CHARNLEY type Acetabulum with Flanged Ø28x50mm - PMMA
04.01.14.28052	CHARNLEY type Acetabulum with Flanged Ø28x52mm - PMMA
04.01.14.28054	CHARNLEY type Acetabulum with Flanged Ø28x54mm - PMMA
04.01.14.28056	CHARNLEY type Acetabulum with Flanged Ø28x56mm - PMMA
04.01.14.28058	CHARNLEY type Acetabulum with Flanged Ø28x58mm - PMMA
04.01.14.28060	CHARNLEY type Acetabulum with Flanged Ø28x60mm - PMMA
04.01.14.28062	CHARNLEY type Acetabulum with Flanged Ø28x62mm - PMMA
04.01.15.22040	CHARNLEY type Acetabulum with Rim Ø22x40mm - PMMA
04.01.15.22043	CHARNLEY type Acetabulum with Rim Ø22x43 mm - PMMA
04.01.15.22046	CHARNLEY type Acetabulum with Rim Ø22x46mm - PMMA
04.01.15.22048	CHARNLEY type Acetabulum with Rim Ø22x48 mm - PMMA
04.01.16.22040	CHARNLEY type Acetabulum STD Ø22x40mm - PMMA
04.01.16.22043	CHARNLEY type Acetabulum STD Ø22x43mm - PMMA
04.01.16.22046	CHARNLEY type Acetabulum STD Ø22x46mm - PMMA
04.01.16.22048	CHARNLEY type Acetabulum STD Ø22x48mm - PMMA
04.01.17.28044	MULLER type Acetabulum with Rim Ø28x44mm - PMMA
04.01.17.28046	MULLER type Acetabulum with Rim Ø28x46mm - PMMA
04.01.17.28048	MULLER type Acetabulum with Rim Ø28x48mm - PMMA
04.01.17.28050	MULLER type Acetabulum with Rim Ø28x50mm - PMMA
04.01.17.28052	MULLER type Acetabulum with Rim Ø28x52mm - PMMA
04.01.17.28054	MULLER type Acetabulum with Rim Ø28x54mm - PMMA
04.01.17.28056	MULLER type Acetabulum with Rim Ø28x56mm - PMMA
04.01.17.28058	MULLER type Acetabulum with Rim Ø28x58mm - PMMA
04.01.17.28060	MULLER type Acetabulum with Rim Ø28x60mm - PMMA
04.01.17.28062	MULLER type Acetabulum with Rim Ø28x62mm - PMMA
04.01.18.28044	MULLER type Acetabulum STD Ø28x44mm - PMMA
04.01.18.28046	MULLER type Acetabulum STD Ø28x46mm - PMMA
04.01.18.28048	MULLER type Acetabulum STD Ø28x48 mm - PMMA
04.01.18.28050	MULLER type Acetabulum STD Ø28x50mm - PMMA
04.01.18.28052	MULLER type Acetabulum STD Ø28x52mm - PMMA
04.01.18.28054	MULLER type Acetabulum STD Ø28x54mm - PMMA
04.01.18.28056	MULLER type Acetabulum STD Ø28x56mm - PMMA
04.01.18.28058	MULLER type Acetabulum STD Ø28x58mm - PMMA
04.01.18.28060	MULLER type Acetabulum STD Ø28x60mm - PMMA
04.01.21.22044	MULLER type Acetabulum with locking Ø22x44mm
04.01.21.22046	MULLER type Acetabulum with locking Ø22x46mm
04.01.21.22048	MULLER type Acetabulum with locking Ø22x48mm
04.01.21.22050	MULLER type Acetabulum with locking Ø22x50mm
04.01.21.22052	MULLER type Acetabulum with locking Ø22x52mm
04.01.21.22054	MULLER type Acetabulum with locking Ø22x54mm
04.01.21.22056	MULLER type Acetabulum with locking Ø22x56mm
04.01.21.22060	MULLER type Acetabulum with locking Ø22x60mm
04.01.21.28044	MULLER type Acetabulum with locking Ø 28 x 44 mm
04.01.21.28046	MULLER type Acetabulum with locking Ø 28 x 46 mm
04.01.21.28048	MULLER type Acetabulum with locking Ø 28 x 48 mm
04.01.21.28050	MULLER type Acetabulum with locking Ø 28 x 50 mm
04.01.21.28052	MULLER type Acetabulum with locking Ø 28 x 52 mm
04.01.21.28054	MULLER type Acetabulum with locking Ø 28 x 54 mm
04.01.23.26044	Máxima Acetabulum Cup STD Ø26x44mm - PMMA
04.01.23.26046	Máxima Acetabulum Cup STD Ø26x46mm - PMMA
04.01.23.26048	Máxima Acetabulum Cup STD Ø26x48mm - PMMA
04.01.23.26050	Máxima Acetabulum Cup STD Ø26x50mm - PMMA
04.01.23.26052	Máxima Acetabulum Cup STD Ø26x52mm - PMMA
04.01.23.26054	Máxima Acetabulum Cup STD Ø26x54mm - PMMA
04.01.23.26056	Máxima Acetabulum Cup STD Ø26x56mm - PMMA
04.01.23.26058	Máxima Acetabulum Cup STD Ø26x58mm - PMMA
04.01.23.26060	Máxima Acetabulum Cup STD Ø26x60mm - PMMA
04.01.23.28044	Máxima Acetabulum Cup STD Ø28x44mm - PMMA
04.01.23.28046	Máxima Acetabulum Cup STD Ø28x46mm - PMMA
04.01.23.28048	Máxima Acetabulum Cup STD Ø28x48mm - PMMA
04.01.23.28050	Máxima Acetabulum Cup STD Ø28x50mm - PMMA
04.01.23.28052	Máxima Acetabulum Cup STD Ø28x52mm - PMMA
04.01.23.28054	Máxima Acetabulum Cup STD Ø28x54mm - PMMA

04.01.23.28056	Máxima Acetabulum Cup STD Ø28x56mm - PMMA
04.01.23.28058	Máxima Acetabulum Cup STD Ø28x58mm - PMMA
04.01.23.28060	Máxima Acetabulum Cup STD Ø28x60mm - PMMA

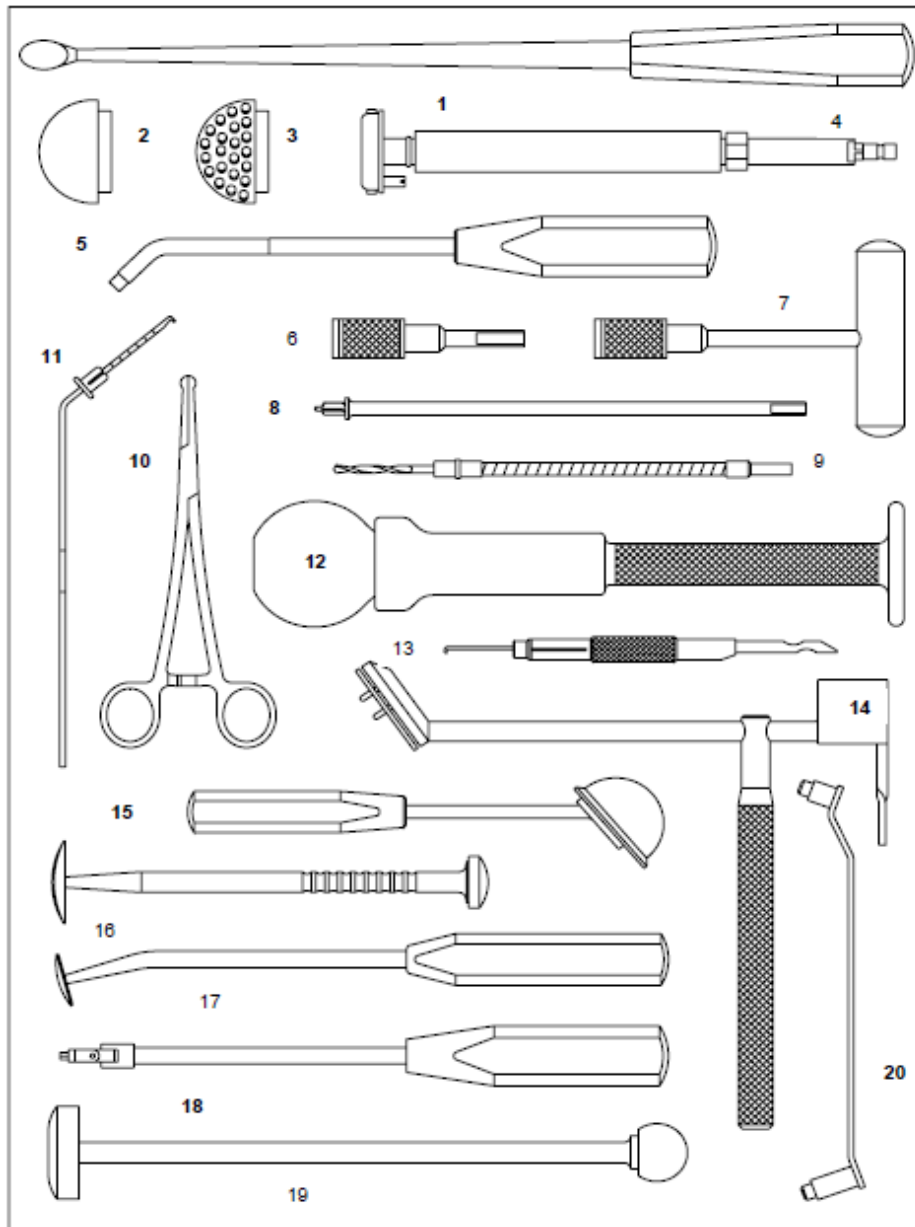
IMPORTANT:

For implantation of Cemented Polyethylene Acetabular is necessary to use specific instruments that must be acquired separately from the acetabulum.

Consult your MDT representative for more information on the instrumental.

The Instrumental for implantation of Cemented Polyethylene Acetabular is composed of the following:

- 1 – Cureta
- 2 - Modeler Acetabular Graft
- 3 - Rasp Acetabular
- 4 - Handle for Rasp Acetabular
- 5 - Sustainer of Acetabulum
- 6 - Adapter for Punch
- 7 - Handle "T" for Rasp Acetabular
- 8 - Drill w / Stop
- 9 - Flexible Drill
- 10 - Clamp w / Screw Acetabular
- 11 - Depth Gauge Curved
- 12 - Cement Acetabular Pressurizer
- 13 - Meter Depth
- 14 - Positioner Acetabular
- 15 - Acetabular Calibrator
- 16 - Bone Impactor Side
- 17 - Bone Impactor fenestrated
- 18 - Hexagonal screwdriver Cardam
- 19 - Impactor of Acetabular Insert
- 20 - Double Guide Fixed w / Drill



It is also necessary for the implantation of the Cemented Polyethylene Acetabular using the following ancillary, which must be purchased separately:

Femoral Head

04.04.01.22000	Interchangeable Femoral Head Cone 10/11 Short Neck Ø22mm
04.04.01.22005	Interchangeable Femoral Head Cone 10/11 Medium Neck Ø22mm
04.04.01.22010	Interchangeable Femoral Head Cone 10/11 Large Neck Ø22mm
04.04.01.22015	Interchangeable Femoral Head Cone 10/11 Extra-Large Neck Ø22mm
04.04.01.26000	Interchangeable Femoral Head Cone 10/11 Short Neck Ø26mm
04.04.01.26005	Interchangeable Femoral Head Cone 10/11 Medium Neck Ø26mm
04.04.01.26010	Interchangeable Femoral Head Cone 10/11 Large Neck Ø26mm
04.04.01.26015	Interchangeable Femoral Head Cone 10/11 Extra-Large Neck Ø26mm
04.04.01.28000	Interchangeable Femoral Head Cone 10/11 Short Neck Ø28mm
04.04.01.28005	Interchangeable Femoral Head Cone 10/11 Medium Neck Ø28mm
04.04.01.28010	Interchangeable Femoral Head Cone 10/11 Large Neck Ø28mm
04.04.01.28015	Interchangeable Femoral Head Cone 10/11 Extra-Large Neck Ø28mm
04.04.01.28030	Interchangeable Femoral Head Cone 10/11 Extra-Large Neck + 15 Ø28mm
04.04.01.28035	Interchangeable Femoral Head Cone 10/11 Extra-Large Neck + 20 Ø28mm
04.04.01.32000	Interchangeable Femoral Head Cone 10/11 Short Neck Ø32mm

04.04.01.32005	Interchangeable Femoral Head Cone 10/11 Medium Neck Ø32mm
04.04.01.32010	Interchangeable Femoral Head Cone 10/11 Large Neck Ø32mm
04.04.01.32015	Interchangeable Femoral Head Cone 10/11 Extra-Large Neck Ø32mm
04.04.02.22000	Interchangeable Femoral Head Cone 12/13 Short Neck Ø22mm
04.04.02.22005	Interchangeable Femoral Head Cone 12/13 Medium Neck Ø22mm
04.04.02.22010	Interchangeable Femoral Head Cone 12/13 Large Neck Ø22mm
04.04.02.22015	Interchangeable Femoral Head Cone 12/13 Extra-Large Neck Ø22mm
04.04.02.26000	Interchangeable Femoral Head Cone 12/13 Short Neck Ø26mm
04.04.02.26005	Interchangeable Femoral Head Cone 12/13 Medium Neck Ø26mm
04.04.02.26010	Interchangeable Femoral Head Cone 12/13 Large Neck Ø26mm
04.04.02.26015	Interchangeable Femoral Head Cone 12/13 Extra-Large Neck Ø26mm
04.04.02.28000	Interchangeable Femoral Head Cone 12/13 Short Neck Ø28mm
04.04.02.28005	Interchangeable Femoral Head Cone 12/13 Medium Neck Ø28mm
04.04.02.28010	Interchangeable Femoral Head Cone 12/13 Large Neck Ø28mm
04.04.02.28015	Interchangeable Femoral Head Cone 12/13 Extra-Large Neck Ø28mm
04.04.02.32000	Interchangeable Femoral Head Cone 12/13 Short Neck Ø32mm
04.04.02.32005	Interchangeable Femoral Head Cone 12/13 Medium Neck Ø32mm
04.04.02.32010	Interchangeable Femoral Head Cone 12/13 Large Neck Ø32mm
04.04.02.32015	Interchangeable Femoral Head Cone 12/13 Extra-Large Neck Ø32mm
04.04.03.22000	Interchangeable Femoral Head Cone 12/14 Short Neck Ø22mm
04.04.03.22005	Interchangeable Femoral Head Cone 12/14 Medium Neck Ø22mm
04.04.03.22010	Interchangeable Femoral Head Cone 12/14 Large Neck Ø22mm
04.04.03.22015	Interchangeable Femoral Head Cone 12/14 Extra-Large Neck Ø22mm
04.04.03.26000	Interchangeable Femoral Head Cone 12/14 Short Neck Ø26mm
04.04.03.26005	Interchangeable Femoral Head Cone 12/14 Medium Neck Ø26mm
04.04.03.26010	Interchangeable Femoral Head Cone 12/14 Large Neck Ø26mm
04.04.03.26015	Interchangeable Femoral Head Cone 12/14 Extra-Large Neck Ø26mm
04.04.03.26022	Interchangeable Femoral Head Cone 12/14 Short Neck Ø26mm
04.04.03.28000	Interchangeable Femoral Head Cone 12/14 Short Neck Ø28mm
04.04.03.28005	Interchangeable Femoral Head Cone 12/14 Medium Neck Ø28mm
04.04.03.28010	Interchangeable Femoral Head Cone 12/14 Large Neck Ø28mm
04.04.03.28015	Interchangeable Femoral Head Cone 12/14 Extra-Large Neck Ø28mm
04.04.03.32000	Interchangeable Femoral Head Cone 12/14 Short Neck Ø32mm
04.04.03.32005	Interchangeable Femoral Head Cone 12/14 Medium Neck Ø32mm
04.04.03.32010	Interchangeable Femoral Head Cone 12/14 Large Neck Ø32mm
04.04.03.32015	Interchangeable Femoral Head Cone 12/14 Extra-Large Neck Ø32mm
04.04.07.22001	Interchangeable Femoral Head Cone 12/14 mm Ø 22 mm - Neck - 2 mm
04.04.07.22002	Interchangeable Femoral Head Cone 12/14 mm Ø 22 mm - Neck Standard
04.04.07.22003	Interchangeable Femoral Head Cone 12/14 mm - Ø 22 mm Neck +3mm
04.04.07.26001	Interchangeable Femoral Head Cone 12/14 mm Ø 26 mm - Neck -2mm
04.04.07.26002	Interchangeable Femoral Head Cone 12/14 mm Ø 26 mm - Neck Standard
04.04.07.26003	Interchangeable Femoral Head Cone 12/14 mm Ø 26 mm - Neck +3mm
04.04.07.26004	Interchangeable Femoral Head Cone 12/14 mm Ø 26 mm - Neck - 4 mm
04.04.07.26006	Interchangeable Femoral Head Cone 12/14 mm Ø 26 mm - Neck +6mm
04.04.07.26009	Interchangeable Femoral Head Cone 12/14 mm Ø 26 mm - Neck +9mm
04.04.07.28001	Interchangeable Femoral Head Cone 12/14 mm Ø 28 mm - Neck -2mm
04.04.07.28002	Interchangeable Femoral Head Cone 12/14 mm Ø 28 mm - Neck Standard
04.04.07.28003	Interchangeable Femoral Head Cone 12/14 mm Ø 28 mm - Neck +3mm
04.04.07.28004	Interchangeable Femoral Head Cone 12/14 mm Ø 28 mm - Neck - 4mm
04.04.07.28006	Interchangeable Femoral Head Cone 12/14 mm Ø 28 mm - Neck +6mm
04.04.07.28009	Interchangeable Femoral Head Cone 12/14 mm Ø 28 mm - Neck +9mm

The femoral head is registered at Anvisa under No. 10417940036.

Cemented Stem

04.30.01.37001	Máxima Femoral Prosthesis 37,5 mm Cone 12/13 Primary N°1
04.30.01.37002	Máxima Femoral Prosthesis 37,5 mm Cone 12/13 Primary n°2
04.30.01.37003	Máxima Femoral Prosthesis 37,5 mm Cone 12/13 Primary n°3
04.30.02.37001	Máxima Femoral Prosthesis 37,5 mm Cone 12/14 Primary n°1
04.30.02.37002	Máxima Femoral Prosthesis 37,5 mm Cone 12/14 Primary n°2
04.30.02.37003	Máxima Femoral Prosthesis 37,5 mm Cone 12/14 Primary N°3
04.30.03.44001	Máxima Femoral Prosthesis 44,0 mm Cone 12/13 Primary n°1
04.30.03.44002	Máxima Femoral Prosthesis 44,0 mm Cone 12/13 Primary n°2
04.30.03.44003	Máxima Femoral Prosthesis 44,0 mm Cone 12/13 Primary n°3
04.30.03.44004	Máxima Femoral Prosthesis 44,0 mm Cone 12/13 Primary N° 4
04.30.04.44001	Máxima Femoral Prosthesis 44,0 mm Cone 12/13 Revision N° 1

04.30.04.44002	Máxima Femoral Prosthesis 44,0 mm Cone 12/13 Revision n°2
04.30.04.44003	Máxima Femoral Prosthesis 44,0 mm Cone 12/13 Revision n°3
04.30.04.44251	Máxima Femoral Prosthesis 44, 0 x 250mm Cone 12/13 Revision n° 1
04.30.04.44253	Máxima Femoral Prosthesis 44,0x250mm Cone 12/13 Revision n° 3
04.30.04.44301	Máxima Femoral Prosthesis 44, 0 x 300mm Cone 12/13 Revision n° 1
04.30.05.44001	Máxima Femoral Prosthesis 44,0 mm Cone 12/14 Primary n° 1
04.30.05.44002	Máxima Femoral Prosthesis 44,0 mm Cone 12/14 Primary n° 2
04.30.05.44003	Máxima Femoral Prosthesis 44,0 mm Cone 12/14 Primary n° 3
04.30.05.44004	Máxima Femoral Prosthesis 44,0 mm Cone 12/14 Primary N° 4
04.30.06.44001	Máxima Femoral Prosthesis 44,0 mm Cone 12/14 Revision N° 1
04.30.06.44002	Máxima Femoral Prosthesis 44,0 mm Cone 12/14 Revision N° 2
04.30.06.44003	Máxima Femoral Prosthesis 44,0 mm Cone 12/14 Revision N° 3
04.30.06.44231	Máxima Femoral Prosthesis 44,0 x 230 mm Cone 12/14 Revision N° 1
04.30.06.44232	Máxima Femoral Prosthesis 44,0 x 230 mm Cone 12/14 Revision N° 2
04.30.06.44233	Máxima Femoral Prosthesis 44,0 x 230 mm Cone 12/14 Revision N° 3
04.30.13.09117	MD4 Femoral Prosthesis without coating Cone 10/11 Primary 09 x 117 mm
04.30.13.10122	MD4 Femoral Prosthesis without coating Cone 10/11 Primary 10 x 122
04.30.13.11127	MD4 Femoral Prosthesis without coating Cone 10/11 Primary 11 x 127
04.30.13.12132	MD4 Femoral Prosthesis without coating Cone 10/11 Primary 12 x 132
04.30.13.13137	MD4 Femoral Prosthesis without coating Cone 10/11 Primary 13 x 137
04.30.13.14142	MD4 Femoral Prosthesis without coating Cone 10/11 Primary 14 x 142
04.30.13.15147	MD4 Femoral Prosthesis without coating Cone 10/11 Primary 15 x 147
04.30.13.16152	MD4 Femoral Prosthesis without coating Cone 10/11 Primary 16 x 152 mm
04.30.13.17157	MD4 Femoral Prosthesis without coating Cone 10/11 Primary 17 x 157
04.30.14.10170	MD4 Femoral Prosthesis without coating Cone 10/11 Revision 10 x 170 mm
04.30.14.11180	MD4 Femoral Prosthesis without coating Cone 10/11 Revision 11 x 180 mm
04.30.14.12190	MD4 Femoral Prosthesis without coating Cone 10/11 Revision 12 x 190 mm
04.30.14.13200	MD4 Femoral Prosthesis without coating Cone 10/11 Revision 13 x 200 mm
04.30.14.14210	MD4 Femoral Prosthesis without coating Cone 10/11 Revision 14 x 210 mm
04.30.14.14260	MD4 Femoral Prosthesis without coating Cone 10/11 Revision 14 x 260 mm
04.30.14.15220	MD4 Femoral Prosthesis without coating Cone 10/11 Revision 15 x 220 mm
04.30.14.16230	MD4 Femoral Prosthesis without coating Cone 10/11 Revision 16 x 230 mm
04.30.14.17240	MD4 Femoral Prosthesis without coating Cone 10/11 Primary Revision 17 x 240 mm
04.30.15.09117	MD4 Femoral Prosthesis without coating Cone 12/14 Primary 9 x 117 mm
04.30.15.10122	MD4 Femoral Prosthesis without coating Cone 12/14 Primary 10 x 122 mm
04.30.15.10157	MD4 Femoral Prosthesis without coating Cone 12/14 Primary 10x157mm
04.30.15.11127	MD4 Femoral Prosthesis without coating Cone 12/14 Primary 11 x 127 mm
04.30.15.12132	MD4 Femoral Prosthesis without coating Cone 12/14 Primary 12 x 132 mm
04.30.15.12157	MD4 Femoral Prosthesis without coating Cone 12/14 Primary 12x157mm
04.30.15.13137	MD4 Femoral Prosthesis without coating Cone 12/14 Primary 13 x 137 mm
04.30.15.14142	MD4 Femoral Prosthesis without coating Cone 12/14 Primary 14 x 142 mm
04.30.15.14157	MD4 Femoral Prosthesis without coating Cone 12/14 Primary 14x157mm
04.30.15.15147	MD4 Femoral Prosthesis without coating Cone 12/14 Primary 15 x 147 mm
04.30.15.16152	MD4 Femoral Prosthesis without coating Cone 12/14 Primary 16 x 152 mm
04.30.15.17157	MD4 Femoral Prosthesis without coating Cone 12/14 Primary 17 x 157 mm
04.30.16.10170	MD4 Femoral Prosthesis without coating Cone 12/14 Revision 10 x 170 mm
04.30.16.11180	MD4 Femoral Prosthesis without coating Cone 12/14 Revision 11 x 180 mm
04.30.16.12190	MD4 Femoral Prosthesis without coating Cone 12/14 Revision 12 x 190 mm
04.30.16.12200	MD4 Femoral Prosthesis without coating Cone 12/14 Revision 12x200mm
04.30.16.12240	MD4 Femoral Prosthesis without coating Cone 12/14 Revision 12x240mm
04.30.16.12300	MD4 Femoral Prosthesis without coating Cone 12/14 Revision 12x300mm
04.30.16.13200	MD4 Femoral Prosthesis without coating Cone 12/14 Revision 13 x 200 mm
04.30.16.14200	MD4 Femoral Prosthesis without coating Cone 12/14 Revision 14x200mm
04.30.16.14210	MD4 Femoral Prosthesis without coating Cone 12/14 Revision 14 x 210 mm
04.30.16.14240	MD4 Femoral Prosthesis without coating Cone 12/14 Revision 14x240mm
04.30.16.14300	MD4 Femoral Prosthesis without coating Cone 12/14 Revision 14x300mm
04.30.16.15220	MD4 Femoral Prosthesis without coating Cone 12/14 Revision 15 x 220 mm
04.30.16.16200	MD4 Femoral Prosthesis without coating Cone 12/14 Revision 16x200mm
04.30.16.16230	MD4 Femoral Prosthesis without coating Cone 12/14 Revision 16 x 230 mm
04.30.16.16240	MD4 Femoral Prosthesis without coating Cone 12/14 Revision 16x240mm
04.30.16.16300	MD4 Femoral Prosthesis without coating Cone 12/14 Revision 16x300mm
04.30.16.17240	MD4 Femoral Prosthesis without coating Cone 12/14 Revision 17 x 240 mm
04.30.17.05130	SPOAC Femoral Stem Cone 10/11 05 x 130 mm
04.30.17.06135	SPOAC Femoral Stem Cone 10/11 06 x 135 mm

04.30.17.07140	SPOAC Femoral Stem Cone 10/11 07 x 140 mm
04.30.17.08145	SPOAC Femoral Stem Cone 10/11 08 x 145 mm
04.30.17.09150	SPOAC Femoral Stem Cone 10/11 09 x 150 mm
04.30.17.10155	SPOAC Femoral Stem Cone 10/11 10 x 155 mm
04.30.18.05130	SPOAC Femoral Stem Cone 12/14 05 x 130 mm
04.30.18.06135	SPOAC Femoral Stem Cone 12/14 06 x 135 mm
04.30.18.07140	SPOAC Femoral Stem Cone 12/14 07 x 140 mm
04.30.18.08145	SPOAC Femoral Stem Cone 12/14 08 x 145 mm
04.30.18.09150	SPOAC Femoral Stem Cone 12/14 09 x 150 mm
04.30.18.10155	SPOAC Femoral Stem Cone 12/14 10 x 155 mm
04.30.20.00112	CHARNLEY type Modular Femoral Prosthesis Cone 12/13 Primary Narrow 35
04.30.20.01112	CHARNLEY type Modular Femoral Prosthesis Cone 12/13 Primary Narrow 40
04.30.20.02112	CHARNLEY type Modular Femoral Prosthesis Cone 12/13 Primary Standard 35
04.30.20.03112	CHARNLEY type Modular Femoral Prosthesis Cone 12/13 Primary Standard 40
04.30.20.04112	CHARNLEY type Modular Femoral Prosthesis Cone 12/13 Primary with Flanged
04.30.20.05112	CHARNLEY type Modular Femoral Prosthesis 12/13 Primary Extra Enhanced
04.30.20.06112	CHARNLEY type Modular Femoral Prosthesis 12/13 Primary Neck 10 mm
04.30.20.07112	CHARNLEY type Modular Femoral Prosthesis 12/13 Primary Neck 20 mm
04.30.21.00000	CHARNLEY type Modular Femoral Prosthesis 12/13 Revision Narrow 35
04.30.21.01000	CHARNLEY type Modular Femoral Prosthesis 12/13 Revision 200 mm Narrow 40
04.30.21.02000	CHARNLEY type Modular Femoral Prosthesis 12/13 Revision Std 35
04.30.21.03000	CHARNLEY type Modular Femoral Prosthesis 12/13 Revision Standard 40
04.30.21.04000	CHARNLEY type Modular Femoral Prosthesis 12/13 Revision 200mm with Flanged
04.30.21.04060	CHARNLEY type Modular Femoral Prosthesis 12/13 Revision with Flanged +60
04.30.21.04090	CHARNLEY type Modular Femoral Prosthesis 12/13 Revision with Flanged +90
04.30.21.05000	CHARNLEY type Modular Femoral Prosthesis 12/13 Revision Extra Enhanced
04.30.21.06000	CHARNLEY type Modular Femoral Prosthesis 12/13 Revision Neck 10 mm
04.30.21.07000	CHARNLEY type Modular Femoral Prosthesis 12/13 Revision Neck 20 mm
04.30.22.00112	CHARNLEY type Modular Femoral Prosthesis 12/14 Primary Narrow 35
04.30.22.01112	CHARNLEY type Modular Femoral Prosthesis 12/14 Primary Narrow 40
04.30.22.02112	CHARNLEY type Modular Femoral Prosthesis 12/14 Primary Standard 35
04.30.22.03112	CHARNLEY type Modular Femoral Prosthesis 12/14 Primary Standard 40
04.30.22.04112	CHARNLEY type Modular Femoral Prosthesis 12/14 Primary with Flanged
04.30.22.05112	CHARNLEY type Modular Femoral Prosthesis 12/14 Primary Extra Enhanced
04.30.22.06112	CHARNLEY type Modular Femoral Prosthesis 12/14 Primary Neck 10
04.30.22.07112	CHARNLEY type Modular Femoral Prosthesis 12/14 Primary Neck 20
04.30.23.00000	CHARNLEY type Modular Femoral Prosthesis 12/14 Revision Narrow 35
04.30.23.01000	CHARNLEY type Modular Femoral Prosthesis 12/14 Revision Narrow 40
04.30.23.02000	CHARNLEY type Modular Femoral Prosthesis 12/14 Revision Standard 35
04.30.23.03000	CHARNLEY type Modular Femoral Prosthesis 12/14 Revision Standard 40
04.30.23.04000	CHARNLEY type Modular Femoral Prosthesis 12/14 Revision With Flanged
04.30.23.05000	CHARNLEY type Modular Femoral Prosthesis 12/14 Revision Extra Enhanced
04.30.23.06000	CHARNLEY type Modular Femoral Prosthesis 12/14 Revision Neck 10 mm
04.30.23.07000	CHARNLEY type Modular Femoral Prosthesis 12/14 Revision Neck 20 mm
04.30.24.00112	CHARNLEY type Monoblock Femoral Prosthesis Ø 22mm Primary Narrow 35
04.30.24.01112	CHARNLEY type Monoblock Femoral Prosthesis Ø 22mm Primary Narrow 40
04.30.24.02112	CHARNLEY type Monoblock Femoral Prosthesis Ø 22mm Primary Standard 35
04.30.24.03112	CHARNLEY type Monoblock Femoral Prosthesis Ø22 mm Primary Standard 40
04.30.24.04112	CHARNLEY type Monoblock Femoral Prosthesis Ø 22 mm Primary with Flanged
04.30.24.05112	CHARNLEY type Monoblock Femoral Prosthesis Ø22 mm Primary Extra Enhanced
04.30.24.06112	CHARNLEY type Monoblock Femoral Prosthesis Ø22mm Primary Neck 10mm
04.30.24.07112	CHARNLEY type Monoblock Femoral Prosthesis Ø 22mm Primary Neck 20mm
04.30.25.00000	CHARNLEY type Monoblock Femoral Prosthesis Ø 22 mm Revision Narrow 35
04.30.25.01000	CHARNLEY type Monoblock Femoral Prosthesis Ø 22 mm Revision Narrow 40
04.30.25.02000	CHARNLEY type Monoblock Femoral Prosthesis Ø 22 mm Revision Standard 35
04.30.25.03000	CHARNLEY type Monoblock Femoral Prosthesis Ø 22 mm Revision Standard 40
04.30.25.04000	CHARNLEY type Monoblock Femoral Prosthesis Ø 22 mm Revision with Flanged
04.30.25.05000	CHARNLEY type Monoblock Femoral Prosthesis Ø 22 mm Revision Extra Enhanced
04.30.25.06000	CHARNLEY type Monoblock Femoral Prosthesis Ø 22 mm Revision Neck 10 mm
04.30.25.07000	CHARNLEY type Monoblock Femoral Prosthesis Ø 22 mm Revision Neck 20 mm
04.30.28.00055	MULLER Femoral Prosthesis Cone 12/13 5,5 mm Primary
04.30.28.00075	MULLER Femoral Prosthesis Cone 12/13 7,5 mm Primary
04.30.28.00100	MULLER Femoral Prosthesis Cone 12/13 10,0 mm Primary
04.30.28.00125	MULLER Femoral Prosthesis Cone 12/13 12,5 mm Primary

04.30.28.00150	MULLER Femoral Prosthesis Cone 12/13 15,0 mm Primary
04.30.28.00175	MULLER Femoral Prosthesis Cone 12/13 17,5 mm Primary
04.30.28.00200	MULLER Femoral Prosthesis Cone 12/13 20,0 mm Primary
04.30.29.00055	MULLER type Modular Femoral Prosthesis Cone 12/13 Revision 5,5m
04.30.29.00075	MULLER type Modular Femoral Prosthesis Cone 12/13 Revision 7,5 mm
04.30.29.00100	MULLER type Modular Femoral Prosthesis Cone 12/13 Revision 10,0 mm
04.30.29.00125	MULLER type Modular Femoral Prosthesis Cone 12/13 Revision 12,5 mm
04.30.29.00150	MULLER type Modular Femoral Prosthesis Cone 12/13 Revision 15,0 mm
04.30.29.00175	MULLER type Modular Femoral Prosthesis Cone 12/13 Revision 17,5 mm
04.30.29.00200	MULLER type Modular Femoral Prosthesis Cone 12/13 Revision 20,0 mm
04.30.30.00055	MULLER type Modular Femoral Prosthesis Cone12/14 Primary 5,5 mm
04.30.30.00075	MULLER type Modular Femoral Prosthesis Cone12/14 Primary 7,5 mm
04.30.30.00100	MULLER type Modular Femoral Prosthesis Cone12/14 Primary 10,0 mm
04.30.30.00125	MULLER type Modular Femoral Prosthesis Cone12/14 Primary 12,5 mm
04.30.30.00150	MULLER type Modular Femoral Prosthesis Cone12/14 Primary 15,0 mm
04.30.30.00175	MULLER type Modular Femoral Prosthesis Cone12/14 Primary 17,5 mm
04.30.30.00200	MULLER type Modular Femoral Prosthesis Cone12/14 Primary 20,0 mm
04.30.31.00075	MULLER type Modular Femoral Prosthesis Cone 12/14 Revision 7,5 mm
04.30.31.00100	MULLER type Modular Femoral Prosthesis Cone 12/14 Revision 10 mm
04.30.31.00125	MULLER type Modular Femoral Prosthesis Cone 12/14 Revision 12,5 mm
04.30.31.00150	MULLER type Modular Femoral Prosthesis Cone 12/14 Revision 15,0 mm
04.30.31.00175	MULLER type Modular Femoral Prosthesis Cone 12/14 Revision 17,5 mm
04.30.31.00200	MULLER type Modular Femoral Prosthesis Cone 12/14 Revision 20 mm
04.30.32.28075	MULLER type Monoblock Femoral Prosthesis Ø 28 mm Primary 7,5 mm
04.30.32.28100	MULLER type Monoblock Femoral Prosthesis Ø28 mm Primary 10,0 mm
04.30.32.28125	MULLER type Monoblock Femoral Prosthesis Ø 28 mm Primary 12,5 mm
04.30.32.28150	MULLER type Monoblock Femoral Prosthesis Ø 28 mm Primary 15,0 mm
04.30.32.28175	MULLER type Monoblock Femoral Prosthesis Ø 28 mm Primary 17,5 mm
04.30.32.28200	MULLER type Monoblock Femoral Prosthesis Ø 28 mm Primary 20,0 mm
04.30.33.28075	MULLER type Monoblock Femoral Prosthesis Ø 28 mm Revision 7,5 mm
04.30.33.28100	MULLER type Monoblock Femoral Prosthesis Ø 28 mm Revision 10,0 mm
04.30.33.28125	MULLER type Monoblock Femoral Prosthesis Ø 28 mm Revision 12,5 mm
04.30.33.28150	MULLER type Monoblock Femoral Prosthesis Ø 28 mm Revision 15,0 mm
04.30.33.28175	MULLER type Monoblock Femoral Prosthesis Ø 28 mm Revision 17,5 mm
04.30.33.28200	MULLER type Monoblock Femoral Prosthesis Ø 28 mm Revision 20,0 mm
04.30.34.32075	MULLER type Monoblock Femoral Prosthesis Ø 32mm Primary 7,5 mm
04.30.34.32100	MULLER type Monoblock Femoral Prosthesis Ø 32mm Primary 10,0 mm
04.30.34.32125	MULLER type Monoblock Femoral Prosthesis Ø 32mm Primary 12,5 mm
04.30.34.32150	MULLER type Monoblock Femoral Prosthesis Ø 32 mm Primary 15,0 mm
04.30.34.32175	MULLER type Monoblock Femoral Prosthesis Ø 32 mm Primary 17,5 mm
04.30.34.32200	MULLER type Monoblock Femoral Prosthesis Ø 32 mm Primary 20,0 mm
04.30.35.32075	MULLER type Monoblock Femoral Prosthesis Ø 32 mm Revision 07,5 mm
04.30.35.32100	MULLER type Monoblock Femoral Prosthesis Ø 32 mm Revision 10,0 mm
04.30.35.32125	MULLER type Monoblock Femoral Prosthesis Ø 32 mm Revision 12,5 mm
04.30.35.32150	MULLER type Monoblock Femoral Prosthesis Ø 32 mm Revision 15,0 mm
04.30.35.32175	MULLER type Monoblock Femoral Prosthesis Ø 32 mm Revision 17,5 mm
04.30.35.32200	MULLER type Monoblock Femoral Prosthesis Ø 32 mm Revision 20,0 mm
04.30.36.00038	THOMPSON type Femoral Prosthesis Large Neck 38 mm
04.30.41.00112	CHARNLEY type Modular Femoral Prosthesis Cone 10/11 Primary Narrow 35
04.30.41.01112	CHARNLEY type Modular Femoral Prosthesis Cone 10/11 Primary Narrow 40
04.30.41.02112	CHARNLEY type Modular Femoral Prosthesis Cone 10/11 Primary Standar 35
04.30.41.03112	CHARNLEY type Modular Femoral Prosthesis Cone 10/11 Primary Standar 40
04.30.41.04112	CHARNLEY type Modular Femoral Prosthesis Cone 10/11 Primary with Flanged
04.30.41.05112	CHARNLEY type Modular Femoral Prosthesis Cone 10/11 Primary Extra Enhanced
04.30.41.06112	CHARNLEY type Modular Femoral Prosthesis Cone 10/11 Primary Neck 10mm
04.30.41.07112	CHARNLEY type Modular Femoral Prosthesis Cone 10/11 Primario Neck 20mm
04.30.42.00055	MULLER type Modular Femoral Prosthesis Cone 10/11 Primary 5,5mm
04.30.42.00075	MULLER type Modular Femoral Prosthesis Cone 10/11 Primary 7,5mm
04.30.42.00100	MULLER type Modular Femoral Prosthesis Cone 10/11 Primary 10,0mm
04.30.42.00125	MULLER type Modular Femoral Prosthesis Cone 10/11 Primary 12,5mm
04.30.42.00150	MULLER type Modular Femoral Prosthesis Cone 10/11 Primary 15,0mm
04.30.42.00175	MULLER type Modular Femoral Prosthesis Cone 10/11 Primary 17,5mm
04.30.42.00200	MULLER type Modular Femoral Prosthesis Cone 10/11 Primary 20,0mm

The Cemented Stem is registered at Anvisa under No. 10417940039.

Cemented Stem in Chromium Cobalt

Code	Description	Dimension
04.30.01	Cemented Femoral Prosthesis 12/13	37,5 mm - 01
		37,5 mm - 02
		37,5 mm -03
04.30.02	Cemented Femoral Prosthesis 12/14	37,5 mm - 01
		37,5 mm - 02
		37,5 mm -03
04.30.03	Cemented Femoral Prosthesis 12/13	44,0 mm - 01
		44,0 mm - 02
		44,0 mm - 03
		44,0 mm - 04
04.30.05	Cemented Femoral Prosthesis 12/14	44,0 mm - 01
		44,0 mm - 02
		44,0 mm - 03
		44,0 mm - 04
04.30.04	Cemented Femoral Prosthesis Revision 12/13	44,0 mm - 01
		44,0 mm - 02
		44,0 mm - 03
		44,0 mm - 04
04.30.06	Cemented Femoral Prosthesis Revision 12/14	44,0 mm - 01
		44,0 mm - 02
		44,0 mm - 03
		44,0 mm - 04

The Cemented Stem CrCo is registered at Anvisa under No. 10417940023.

The selection depends on the pathology and experience of the physician in charge. It is his responsibility the correct selection and deployment of the material.

Consult your MDT representative for more information on the ancillary of the Cemented Polyethylene Acetabular

CONTRAINDICATIONS

The Cemented Polyethylene Acetabular - MDT should not be used if an adequate bone support is not achieved to ensure the stability of the implant. In these circumstances, additional methods of bone grafting should be used together, either with autologous or homologous, or with the aid of screens and acetabular reinforcement rings. Bone necrosis induced by irradiation as a result of radiotherapy for cancer treatment, is a relative contraindication to total hip replacement, since the lack of acetabular bone support may lead to early loosening of the implant. In these cases, other techniques and implant systems should be used.

The Cemented Polyethylene Acetabular is also contraindicated in patients:

- Young or those practicing sports activities;
- Weighing over 102 kg;
- With prior or current infectious disease;
- With dementia or neurological disorders of lower limbs.

The use, in the above cases, can cause premature wear early loosening of the acetabular component by excessive mechanical stress, infection or dislocation.

ADVERSE EFFECTS

In addition to the fact that obvious risks may occur in the presence of orthopedic implants, such as failure, loosening and fracture, the following risks of adverse tissue responses and possible complications should be presented and discussed with the patient:

- Although no scientifically proven association between the use of orthopedic implants, with the characteristics of materials as used in the Cemented Polyethylene Acetabular - MDT, and cancer, any risks and uncertainties that relate to long-term effects of joint replacements should be discussed with patients prior to surgery. The patient must also be informed that any circumstances that lead to chronic tissue damage may be oncogenic. Cancerous tissues found in the vicinity of implants may be related to factors not directly related to the implant as: metastases of primary tumors of lung, breast, digestive system and others, or because of implantation of cancer cells that may occur during surgery or diagnostic procedures as biopsy or resulting from the progression of Paget's disease

- The implantation of foreign material in tissues can elicit inflammatory responses that can occur, for example, in the presence of debris from implants (such as polyethylene or metallic debris) that may lead to response type histiocytic foreign body granuloma and thus causing bone destruction with or without the loosening of the implant.

PRECAUTIONS

- SINGLE USE PRODUCT - DO NOT REUSE
- Acetabulum is supplied sterile.
- Use immediately after opening the seal sterilization.
- Discard and DO NOT USE opened or damaged devices. Use only devices that are packed in sealed and undamaged.
- DO NOT USE in case of loss of sterility of the device.
- DO NOT RESTERILIZE
- This Cemented Polyethylene Acetabular should only be used in conjunction with the acrylic bone cement. The inadequate fixation by cement can cause loosening or premature wear of the polyethylene in addition to progressive loss of bone stock.
- The use of titanium femoral heads and acetabular component of the thin thickness cause premature wear and delamination of the polyethylene.
- Use in conjunction with femoral heads from other manufacturers may result in incongruity between the femoral head and implant cavity.
- It is advisable to use antibiotic prophylaxis in patients with joint replacements to undergo procedures which cause transient bacteremia (dental procedures, endoscopy, catheterization of large vessels in the groin and other minor surgical procedures).
- The Cemented Polyethylene Acetabular - MDT is designed to be deployed through the use of instruments, especially designed for this purpose. Any instrumental improvisations with different instruments or inaccurate surgical technique may compromise the quality of fixation and / or placement of the implant.
- It is advisable prior to the insertion of bone cement and component, to obtain a hemispherical acetabular cavity with viable bone bed. On some occasions, reinforcements in the form of bone grafts or containment devices, and support may be indicated to restore bone stock and ensure a good stability of the implant.

THE PATIENT SHOULD BE ADVISED:

- A) All postoperative restrictions, particularly those related to sports and occupational activities.
- B) The fact that complications or failures of total hip arthroplasty are more ready to occur in:
 - Patients with functional expectations beyond what can be promoted by joint replacement;
 - Patients with high body weight, especially over 102 kilograms;
 - young patients and / or active;
 - patients with small-boned
- C) The information listed in the topics Indications, Contraindications, Adverse Effects, Precautions and Warnings
- D) The need for periodic medical follow-up to observe possible changes in the status of the implant and the adjacent bone. Only the follow-up can detect possible loosening of components or the occurrence of osteolysis.
- E) Failure to perform the revision surgery when the release of the femoral component or osteolysis may result in progressive loss of periprosthetic bone stock.
- F) the need to inform, when performing MRI scans on the fact to hold the prosthesis.

WARNINGS

- The care of this material, is responsibility for qualified personnel.
- Inadequate sterilization of surgical instruments can cause prosthetic infection
- Do not use the product if it has expired or with the packaging violated.
- The opening of the container for surgical use should be made by nursing personnel, qualified for this procedure.

- Never reuse an implant, because even without external appearance of damage, previous efforts may shorten its life.
- Manufacturing date, expiry date and batch No: See label.
- All material explanted, damaged or otherwise unfit for use should be sent to the manufacturer for disposal.

Risk of Contamination

Whereas the acetabulum in contact with tissue and body fluids, there is a risk of biological contamination and transmission of viral diseases such as hepatitis and HIV etc. Therefore, the explanted acetabulum should be treated as potentially contaminating materials.

Product Disposal

After the implants being removed from the patient, discard the acetabulum, because they should not be reused.

The explanted implants or that by accident are defective must be destroyed for use before disposal. We recommend that the parts are cut, bent or filed down to their destruction.

To discard the acetabulum explanted follow the legal procedures of the local country to dispose of potentially polluting products.

Traceability

To ensure product traceability in place, and comply with requirements for health surveillance, we recommend that the surgeon responsible for implantation notifies the Distributor of the following data for the implanted product, patient and surgery:

- Name of Surgeon
- Date of Surgery
- Patient Name-implanted with
- Product Code
- Lot Number

Storage

We recommend a cool dry place, away from incidence of direct solar beam
It cannot be stored directly on the floor (minimum height = 20cm). They cannot stay on high shelves, next to lamps (to not dry out or delete the package label). It cannot be stored in areas where contaminants are used as insecticides, pesticides or cleaning materials.

Transportation

Transport it carefully, avoiding friction and fall so that does not cause defects on the surface finish. Always observe the integrity of the package.

Always keep the implants in their original packaging until the moment of use, under the responsibility of the team physician/hospital designated for this purpose.

Manufacturing date, expiry date and batch No: See label.
Do not use the product beyond the expiration date

Further Information



Manufactured and distributed by:

MDT – Indústria Comércio Importação e Exportação de Implantes SA

Address: Av. Brasil, nº. 2983 – Distrito Industrial – Rio Claro/SP – Brasil

CEP: 13505-600

Phone/ Fax: (55-19) 2111-6500

CNPJ: 01.025.974/0001-92

Technician Responsible: Miguel Lopes Monte Júnior – CREA 0601150192

Registration Anvisa #: 10417940043

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ALERT

INSTRUCTIONS FOR USE

These INSTRUCTIONS FOR USE are not available in printed form, they are available at the website of the manufacturer www.mdt.com.br.

The INSTRUCTIONS FOR USE on the website are indexed by REGISTRATION/ CADASTRE ANVISA's NUMBER and its TRADE NAME of the product, informed at the label of the product purchased.

All the INSTRUCTIONS FOR USE provided on the website have the identification of the revision and date of emission of the document. The user must pay attention to the correct version (revision and date of emission) of the document regarding the MANUFACTURING DATE informed at the label of the product purchased.

If it is interest to the user, the INSTRUCTIONS FOR USE may be provided in printed form, with no extra cost and the request of the same shall be held by the SAC (Customer Service Department) manufacturer, as following:

Customer Service Department:

Telephone: +55 19 2111.6500

FAX: +55 19 2111.6500

<http://www.mdt.com.br>

Avenida Brasil, 2983 – Distrito Industrial CEP: 13505-600 | Rio Claro – São Paulo – Brasil

Opening Hours: 8 AM to 5 PM, from Monday to Friday, except holidays.



MDT® - INDÚSTRIA COMÉRCIO IMPORT. E EXPORT. DE IMPLANTES SA

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