ACORN

Dual Mobility Acetabular Cup

CE 0426

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ORTHOPAEDICS

ACORN
Dual Mobility Cup

The concept of dual mobility involves the use of a metal shell within which articulates a mobile insert, of a diameter perfectly compatible, where the femaral ball head articulates as well.

First introduced in the '70s by Prof. Bousquet, this type of implant has demonstrated in clinical use high joint stability even in the most critical cases.

14 Implant sizes

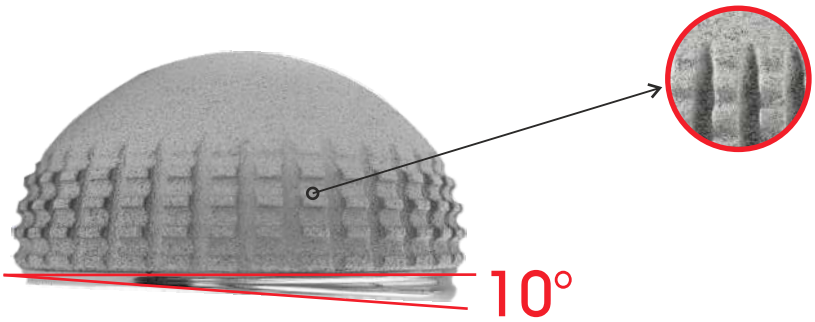
Available in cementless and cemented version, also with BIOLOY® anti-allergic coating.

HaX-Pore

The cup has an hemispherical geometry with polar deflection and circumferential radial grooves to guarantee optimal press-fit in the equatorial region.

HaX-Pore pure Titanium and Hydroxyapatite coated surface to enhance primary stability and promote biological integration.

The presence of a 10° protruded rim allows for a better coverage in the cranial region.



The articular inserts available for Ø 22mm and 28mm ball heads are designed to perfectly match the inner socket of each single size of the cup, thus ensuring maximum joint stability.

They are manufactured with the latest generation Ultra High Molecular Weight PE (GUR1020) without Calcium Stearate, also in VITAL-E® and VITAL-XE® option enriched with Vitamin E antioxidant.

Order Information

**References with asterisk are available on special request*

ACORN Dual Mobility Cups

PRIMARY

CEMENTED

	PRIMARY		CEMENTED	
	HaX-Pore	HaX-Pore BIOLOY®	Cemented	Cemented BIOLOY®
size Ø	reference	reference	reference	reference
38mm	38338	38438	38638	39238*
40mm	38340	38440	38640	39240*
42mm	38342	38442	38642	39242*
44mm	38344	38444	38644	39244*
46mm	38346	38446	38646	39246*
48mm	38348	38448	38648	39248*
50mm	38350	38450	38650	39250*
52mm	38352	38452	38652	39252*
54mm	38354	38454	38654	39254*
56mm	38356	38456	38656	39256*
58mm	38358	38458	38658	39258*
60mm	38360	38460	38660	39260*
62mm	38362	38462	38662	39262*
64mm	38364	38464	38664	39264*

ACORN Dual Mobility Inserts

Ø inner	size Ø	UHMWPE reference	VITAL-E® reference	VITAL-XE® reference
22 mm	38mm	38838	38838E	38838XE*
	40mm	38840	38840E	38840XE*
	42mm	38842	38842E	38842XE*
	44mm	38844	38844E	38844XE*
	46mm	38946*	38946E*	38946XE*
	48mm	38948*	38948E*	38948XE*
	50mm	38950*	38950E*	38950XE*
	52mm	38952*	38952E*	38952XE*
	54mm	38954*	38954E*	38954XE*
	56mm	38956*	38956E*	38956XE*
	58mm	38958*	38958E*	38958XE*
	60mm	38960*	38960E*	38960XE*
	62mm	38962*	38962E*	38962XE*
	64mm	38964*	38964E*	38964XE*

Ø inner	size Ø	UHMWPE reference	VITAL-E® reference	VITAL-XE® reference
28 mm	46mm	38846	38846E	38846XE*
	48mm	38848	38848E	38848XE*
	50mm	38850	38850E	38850XE*
	52mm	38852	38852E	38852XE*
	54mm	38854	38854E	38854XE*
	56mm	38856	38856E	38856XE*
	58mm	38858	38858E	38858XE*
	60mm	38860	38860E	38860XE*
	62mm	38862	38862E	38862XE*
	64mm	38864	38864E	38864XE*

Information

INTENDED PURPOSE:

ACORN dual mobility cup is an acetabular component utilized in Total Hip Replacement procedures in combination with it's dedicate articular liner, a femoral ball-head and a femoral stem. It is indicated in cases of coxarthrosis, both for primary and/or revisions. Due to it's characteristics, the dual mobility cup is pasrticularly indicated in those cases with low muscle tone where, by using traditional cups, dislocation phenomena could occur.
Anchoring of the device is achieved by primary press-fit insertion or by means of bone cement, depending on the model used.

MATERIALS:

CUP: highly nitrogenized stainless steel forged alloy - ISO5832/9.

INSERT: Ultra High Molecular Weight Polyethylene without Calcium Stearate - ISO5834/1/2. Also available in **VITAL-E®** version, UHMWPE added with Vitamin-E (Alpha Tocopherol) anti-oxydant and **VITAL-XE®** (cross-linked)

COATINGS:

HaX-Pore: 500µm pure Titanium + 40µm Hydroxyapatite $Ca_{10}(OH)_2(PO_4)_6$

BIOLOY®: Titanium Niobium Nitride (TiNbN) PVD

STERILIZATION:

Method: Ethylene Oxyde (ETO) or accelerated electron beam irradiation (b rays - nominal dose 25 kGy), in vacuum.

Validity: 5 years.

CLASSIFICATION:

Class III as reported in Directive 2005/50/CE (and related D.lgs 26 april 2007 n.65) concerning re-classification of Hip, Knee and Shoulder joint prostheses which modifies classification criteria of Annex IX of Directive 93/42/CEE and next integrations and amendements.

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