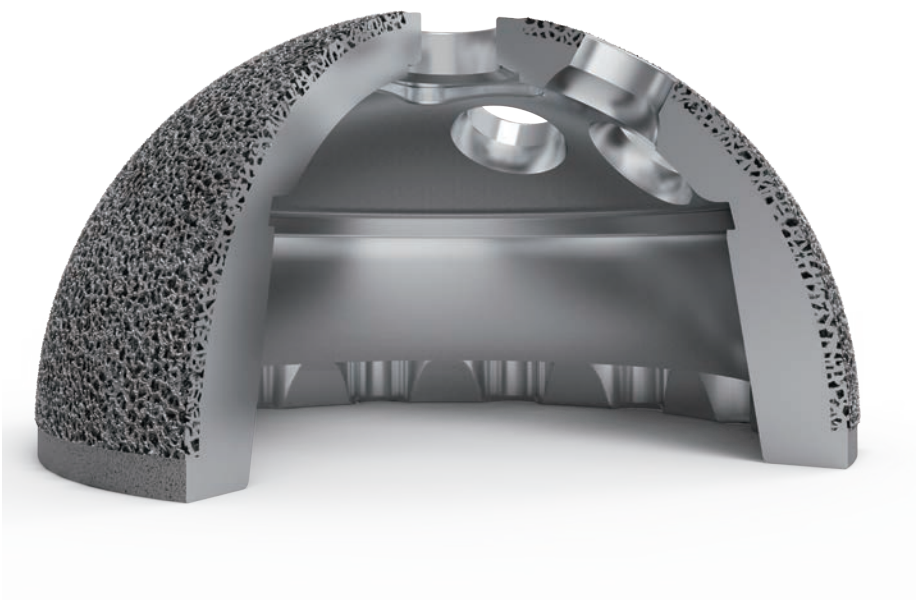
JOINTS

Fit for patients, Value for surgeons

OSSEOMATRIX Acetabular Cup

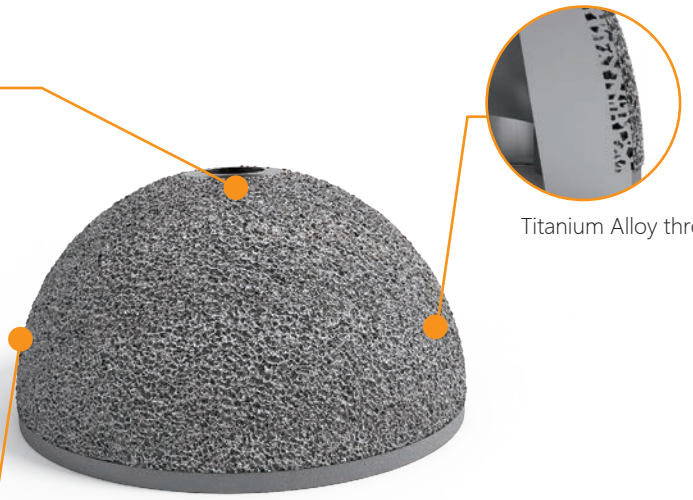


OSSEOMATRIX Acetabular Cup

Polyethylene and Hard Bearing Locking Mechanism - accommodates multiple polyethylene configuration options and hard bearing surfaces

Circumferential scallops that rotationally secure the insert in the cup and allow for dialing the insert in a desired orientation

Porous structure between bone/implant interface



Titanium Alloy through additive manufacturing.

Overall 1.5mm diameter pressfit recommended when a final odd number acetabular reamer is used. (e.g. 47 reamer for a 48mm labeled cup with an actual diameter of 48.5mm)

The hemispherical design closely matches the shape of the natural acetabulum, allowing for minimal removal of bone while maximizing contact area between the implant and bone.

Wide size range - 44-66mm for no-hole and three-hole versions

Optional Screws, screw plugs and dome plug can be used.

Bearing Options
OSSEOMATRIX Cup offers a selection of cup geometries compatible with standard polyethylene, highly crosslinked polyethylene, Vitamin-E highly crosslinked polyethylene and ceramic inserts to accommodate the demands of a broader patient population.Dual Mobility Liner can also be used with OSSEOMATRIX Cup to perform a dual mobility hip surgery

- **Titanium Alloy through additive manufacturing**
- **Porous structure between bone/implant interface**
- **Inserts with three different basic materials (Polyethylene, ceramic, and CoCrMo) can be used with one cup.**

Bearing Options

VarioCup Insert, UHMWPE

Neutral or 15° hooded
Size range: 22,28,32mm Inner diameter; Mate with 42-64mm Cups
Solid locking mechanism with acetabular cups
Peripheral tabs work as anti-rotation mechanism

VarioCup Insert, Highly Crosslinked UHMWPE

Neutral or 15° hooded
Size range: 22,28,32, 36mm Inner diameter; Mate with 42-68mm Cups
Highly crosslink process reduce wear rate significantly
Solid locking mechanism with acetabular cups
Peripheral tabs work as anti-rotation mechanism

VarioCup Insert, Vitamin-E Highly Crosslinked UHMWPE

Neutral or 15° hooded
Size range: 22,28,32, 36mm Inner diameter; Mate with 42-68mm Cups
Highly crosslink process reduce wear rate significantly
Vitamin-E works as antioxidant
Solid locking mechanism with acetabular cups
Peripheral tabs work as anti-rotation mechanism

Ceramic Insert

Proven taper design works as locking mechanism with acetabular cups
28,32,36,40mm Inner diameter mating with acetabular cups from 44-64mm
Low wear rate for ceramic on ceramic bearing surface

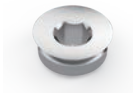
DMH CoCr Liner

Highly polished inner surface
Polar peg facilitate the insertion of liner
Material: CoCrMo alloy
Dual mobility increase range of motion
Reduced dislocation risk

Hip Compatability Chart

6.5mm Cancellous Bone Screw

Dome Hole Plug



Screw Plug

OSSEOMATRIX Acetabular Cup

Ceramic Insert

Ceramic Head

VarioCup Insert, 15°hooded or neutral (UHMWPE)

VarioCup Insert, 15°hooded or neutral (HXL-UHMWPE)

VarioCup Insert, 15°hooded or neutral (VE-HXL UHMWPE)

DMH CoCr Liner

DMH Bearing (VE-HXL UHMWPE)

DMH Bearing (HXL-UHMWPE)

Femoral Head, CoCr

Ceramic Head

Cup Insert Compatibility Chart for 46-66mm Cups

Cup Size in mm	46	48	50	52	54	56	58	60	62	64	66
Cup Size Compatibility	NN	OO	PP	PP	QQ	QQ	RR	RR	SS	SS	TT
DMH CoCr Liner (Inner Diameter in mm)	**34**	**36**	**38**		**40**		**44**		**48**		**52**
DMH Bearing (Outer Diameter in mm), HXL UHMWPE / VE HXL UHMWPE	**34**	**36**	**38**		**40**		**44**		**48**		**52**
Ceramic Head					**28mm**						
Femoral Head, CoCr	**22mm**				**28mm**						

Cup Pressfit Recommendation

Acetabular Reamer,
47mm labeled reamer
has a 47mm O.D.

Cup Trial,
47mm labeled cup trial
has a 47mm O.D.

OSSEOMATRIX Cup,
48mm labeled cup
has a 48.5mm O.D.

The pressfifit is 1.5mm for OSSEOMATRIX Acetabular Cup

Note

Manufacturer:
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