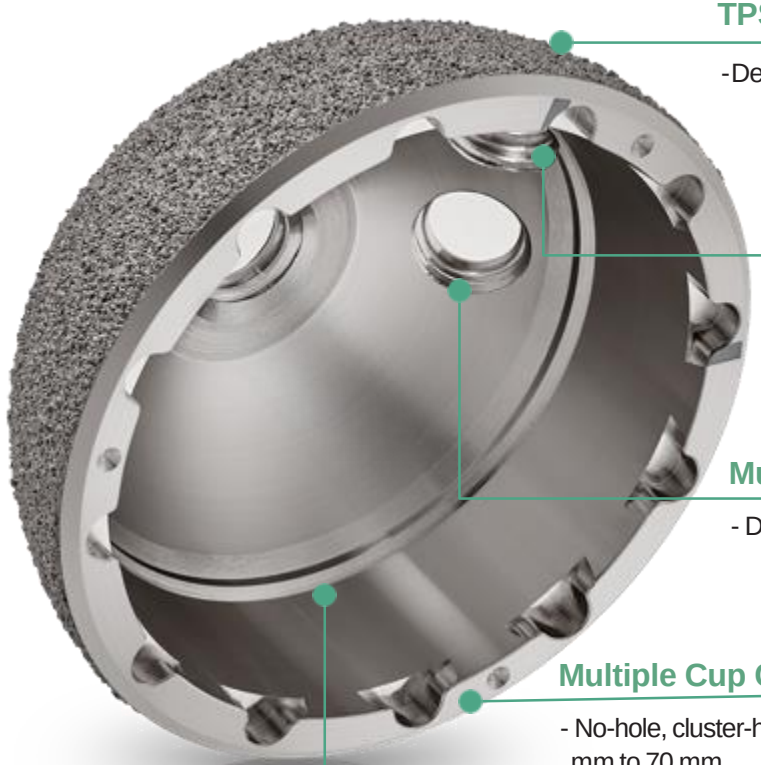
UNITED ORTHOPEDIC®

U-Motion II PLUS™ Cup

Acetabular Hip System

Internal use only. Do not distribute.

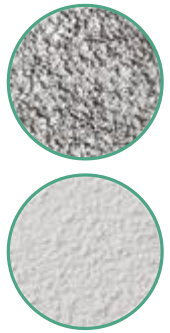
U-Motion II PLUS™



For No-Hole and Cluster Hole Cup-
Titanium Plasma Spray PLUS (TPS PLUS) Coating

For Multi-Hole Cup-
TPS with Hydroxyapatite (HA) Coating

- Designed to help promote biological fixation



Laser Marks

- Provide surgeons with a helpful identifying marker for screw hole locations

Multi-angle Screw Hole - 32°

- Designed to allow optimized screw angulation

Multiple Cup Configurations

- No-hole, cluster-hole, and multi-hole cup configurations are available from 44 mm to 70 mm

Locking Ring for Poly Liner Locking

- The inner locking ring on the acetabular cup provides superior locking strength for polyethylene liner

Cup Size (mm)
Ø 44
Ø 46
Ø 48
Ø 50
Ø 52
Ø 54
Ø 56
Ø 58
Ø 60
Ø 62
Ø 64
Ø 66
Ø 68
Ø 70

Ti Cancellous Screw, Ø 6.5 mm Length (mm)
15
20
25
30
35
40
45
50

Screw Hole Covers
Screw hole covers are pre-assembled with multi-hole cup.

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Various Bearing Options

XPE and E-XPE material

- Available in XPE and E-XPE material to meet the demand of both surgeon and patient

20° Lipped

- Designed to provide additional stability

Crown Tab on the 20° Lipped Liner

- Three tabs indicate the orientation of 20° lip

Anti-rotational Tabs

- Designed to provide anti-rotation

Two Femoral Head Material Are Available

- Cobalt Chrome (CoCr)
- BIOLOX® delta

Liner Size (mm)		
Ø 44	Standard	20˚ lipped
Ø 46	Standard	20˚ lipped
Ø 48	Standard	20˚ lipped
Ø 50	Standard	20˚ lipped
Ø 52	Standard	20˚ lipped
Ø 54	Standard	20˚ lipped
Ø 56	Standard	20˚ lipped
Ø 58	Standard	20˚ lipped
Ø 60	Standard	20˚ lipped
Ø 62	Standard	20˚ lipped
Ø 64	Standard	20˚ lipped
Ø 66	Standard	20˚ lipped
Ø 68	Standard	20˚ lipped
Ø 70	Standard	20˚ lipped

Femoral Head & Offset				
Cobalt Chrome (CoCr)	Diameter			
Size	28	32	36	
Offsets	(-3)	(-3)	(-3)	
	(+0)	(+0)	(+0)	
	(+2.5)	(+2.5)	(+2.5)	
	(+5)	(+5)	(+5)	
	(+7.5)	(+7.5)	(+7.5)	
	(+10)	(+10)	(+10)	
BIOLOX® delta	Diameter			
Size	28	32	36	40
Offsets	(-2.5)	(-3)	(-3)	(-3)
	(+1)	(+1)	(+1)	(+1)
	(+4)	(+5)	(+5)	(+5)
		(+9)	(+9)	(+9)

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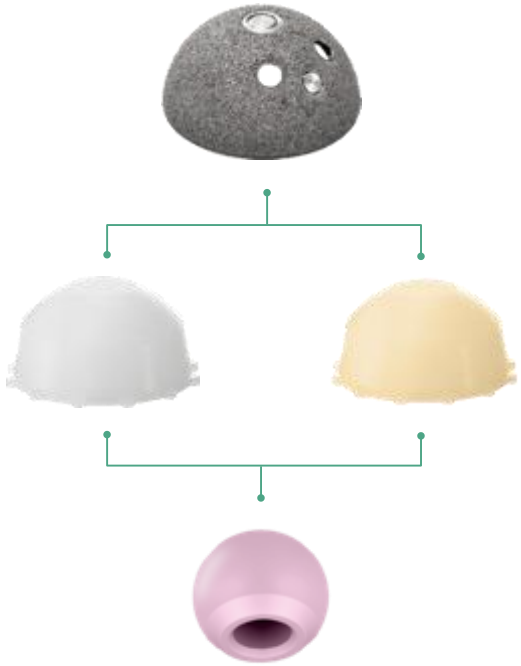
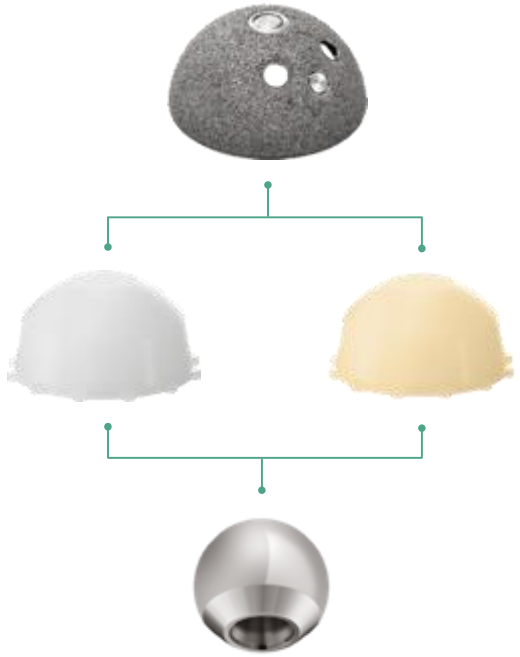
U- Motion II Compatibility



Cup Size	Ceramic Head Size
44	28
46	32
48	
50	36
52	
54	
56	40
58	
60	
62	
64	
66	
68	
70	



Cup Size	CoCr Head Size
44	28
46	32
48	
50	36
52	
54	
56	
58	
60	
62	
64	
66	
68	
70	

36/48 Compatibility Coming Q3

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	UNITED ORTHOPEDIC	ZIMMER BIOMET	stryker	DePuy Synthes	smith&nephew
	U-Motion II PLUS™	G7™	Trident II	PINNACLE®	R3◇
Configurations	No-Hole, Cluster hole & Multi-hole	No-Hole, Cluster hole & Multi-hole	No-Hole, Cluster hole & Multi-hole	No-Hole, Cluster hole & Multi-hole	No-Hole, Cluster hole & Multi-hole
Coating Material	Titanium Plasma Plus & titanium Plasma with HA (Multi-hole) 70 µm Pore Size 339±48 Porosity 40%	OsseoTi Porous Structure (sintered Irregular beads) 72% Porosity	Titanium (sintered structured beads) 76% Porosity	Griptionn (sintered structured beads) 72% Porosity	Stiktite (sintered structured beads) 72% Porosity
Coefficient of Friction	1.4	N/A	1.2	1	1.35
Standard Cup Sizes	44mm - 70mm Diameter	42mm - 68mm Diameter	42mm - 72mm Diameter	44mm - 74mm Diameter	42mm - 70mm Diameter
Ream	Line to Line	Line to Line	Under Ream by 1mm	Under Ream by 1mm	Line to Line
Screw Angulation	32°	30°	37°	34°	33°
Femoral Head	Metal & Ceramic	Metal & Ceramic	Metal & Ceramic	Metal & Ceramic	Metal, Ceramic & Oximium
Head/Liner Size (mm)	28/42 32/46 36/48 40/56	28/42 32/48 36/50 40/54 44/62	28/42 32/44 36/48 40/52 44/56	28/44 32/48 36/52 40/56	22/42 28/46 32/48 36/52 40/56 44/60
Polyethylene Name	XPE & E-XPE	ArComXL & E1	X3	ALTRX	XLPE
Highly Crosslinked	Yes	Yes	Yes	Yes	Yes
Liner Options	Standard 20° lipped	Neutral High Wall 10° Face Changing +5 mm Dual Mobility Constrained	0° & 10° 0° & 10° Eccentric Elevated Dual Mobility 0° & 10° Constrained	Neutral Lipped +4 +4 10° Face Changing Constrained Dual Mobility	0° 20° lipped +4mm Lateralized 20° +4mm Lateralized lipped Dual Mobility Constrained
Minimum Thickness at Dome (mm)	5.9mm	4.7	Not Available	5.5mm	Not Available
Minimum Thickness at 45° (mm)	5.3mm	4.3	3.8	4.9mm	6.1mm
Antioxidant Process	Blended Vit E	Infused	NA	NA	NA
Radiation Dose (kGy)	75 Gamma	50 Gamma	30 x 3 Gamma	75 Gamma	100 Gamma
Thermal Treatment	Remelt	Anneal	Anneal	Remelt	Remelt
Final Sterilization	EtO	Gas Plasma	Gas Plasma	Gas Plasma	EtO

	UNITED ORTHOPEDIC	ORTHO DEVELOPMENT	Exactech Surgeon focused. Patient driven.™	Medacta International	TOTAL JOINT ORTHOPEDICS
	U-Motion II PLUS™	LEGEND®	Alteon®	pact	Klassic HD®
Configurations	No-Hole, Cluster hole & Multi-hole	No-Hole, Cluster hole & Multi-hole	No-Hole, Cluster hole & Multi-hole	No-Hole Two-Hole, Multi-Hole & Rim-Hole	Two Hole & Three Hole
Coating Material	Titanium Plasma Plus & titanium Plasma with HA (Multi-hole) 70 µm Pore Size 339±48 Porosity 40%	Legend (sintered structured beads) 72% Porosity	TAC Porous (sintered structured beads) 72% Porosity	Mectagrip (Vacuum Plasma Spray)	Ti-COAT (sintered structured beads) 61% Porosity
Coefficient of Friction	1.4	1.35	1.35	Not Available	Not Available
Cup Sizes	44mm - 70mm Diameter	44mm - 70mm Diameter	42mm - 68mm Diameter	46mm - 76mm Diameter	44mm - 64mm Diameter
Ream	Line to Line	Line to Line	Line to Line	Line to Line	Line to Line
Screw Angulation	32°	30°	22°	22°	Not Available
Femoral Head	Metal & Ceramic	Metal & Ceramic	Metal & Ceramic	Metal & Ceramic	Metal & Ceramic
Head/Liner Size (mm)	28/42 32/46 36/48 40/56	28/44 32/48 36/50 40/56	28/42 32/44 36/50 40/54	28/46 32/48 36/52	28/44 32/48 36/52
Polyethylene Name	XPE & E-XPE	Legend	XLE Vitamin E	XPE	XLPR & E-Link
Highly Crosslinked	Yes	Yes	Yes	Yes	Yes
Liner Options	Standard 20° lipped	Neutral Hooded +4 10° Face Changing +4 mm Lateralized	Neutral Lipped +5 10° Face Changing +5 mm Lateralized	Flat Hooded 10° Offset +4mm Face-Changing 10°	Standard Low Profile Hooded
Minimum Thickness at Dome (mm)	5.9mm	5.3mm	Not Available	Not Available	Not Available
Minimum Thickness at 45° (mm)	5.3mm	4.8mm	4.8mm	Not Available	5.7mm
Antioxidant Process	Blended Vit E	NA	Blended Vit E	NA	Blended Vit E
Radiation Dose (kGy)	75 Gamma	75 Gamma	100 Gamma	Not Available	100 Gamma
Thermal Treatment	Remelt	Remelt	Remelt	Not Available	Remelt
Final Sterilization	EtO	EtO	EtO	Not Available	EtO

	UNITED ORTHOPEDIC	MicroPort Orthopedics	Consensus Orthopedics	Corin	AESCULAP
	U-Motion II PLUS™	PRIME	CS2™	Trinity™	PLASMAFIT PRO®
Configurations	No-Hole, Cluster hole & Multi-hole	No-Hole, Cluster hole & Multi-hole	No-Hole, Cluster hole & Multi-hole	No-Hole & Cluster hole	No-Hole & Cluster hole
Coating Material	Titanium Plasma Plus & titanium Plasma with HA (Multi-hole) 70 µm Pore Size 339±48 Porosity 40%	Titanium BioFoam 60-70% Porosity	Titanium Plasma Spray (sintered structured beads) 72% Porosity	TPS with Biomimetic Technology 70% Porosity	Titanium Plasma Spray (sintered structured beads) 72% Porosity
Coefficient of Friction	1.4	Not Available	1.35	Not Available	1.35
Cup Sizes	44mm - 70mm Diameter	46mm - 68mm Diameter	42mm - 68mm Diameter	44mm - 68mm Diameter	46mm - 68mm Diameter
Ream	Line to Line	Line to Line	Under Ream by 1mm	Line to Line	Line to Line
Screw Angulation	32°	18°	22°	Not Available	18°
Femoral Head	Metal & Ceramic	Metal & Ceramic	Metal & Ceramic	Metal & Ceramic	Metal & Ceramic
Head/Liner Size (mm)	28/42 32/46 36/48 40/56	28/46 32/46 36/50 40/58	28/46 32/48 36/52	28/44 32/46 36/50 40/60	28/46 32/48 6/52 40/56
Polyethylene Name	XPE & E-XPE	A-Class & E-Class	CS2	HXLPE & ECiMa	Vitelene
Highly Crosslinked	Yes	Yes	Yes	Yes	Yes
Liner Options	Standard 20° lipped	Standard Lipped +4 lateralized +4 10° Face-Changing	Standard 10° & 20° Hooded +5 lateralized +5 10° Face-Changing +5 20° Face-Changing	Neutral +4 lateralized	Symmetrical 10° Posterior Wall 10° Asymmetrical (FC)
Minimum Thickness at Dome (mm)	5.9mm	Not Available	Not Available	Not Available	Not Available
Minimum Thickness at 45° (mm)	5.3mm	Not Available	Not Available	Not Available	Not Available
Antioxidant Process	Blended Vit E	Blended Vit E	Blended Vit E	Blended Vit E	Blended Vit E
Radiation Dose (kGy)	75 Gamma	Not Available	75 Gamma	75 Gamma	75 Gamma
Thermal Treatment	Remelt	NA	Remelt	Anneal	Remelt
Final Sterilization	EtO	EtO	EtO	EtO	EtO

THANK YOU