



*A New Era*  
U-Motion II<sup>™</sup>



# One-for-All Coupling

U-Motion II Acetabular System allows orthopaedic surgeons to select an optimal couple for demanded patient populations without compromise.



Various bearing couples





# Optimized Head-to-Cup Ratio, Enhanced Stability

Larger head combined with 12/14 UTF taper stem system, allowing satisfied flexion range and eliminating impingement.



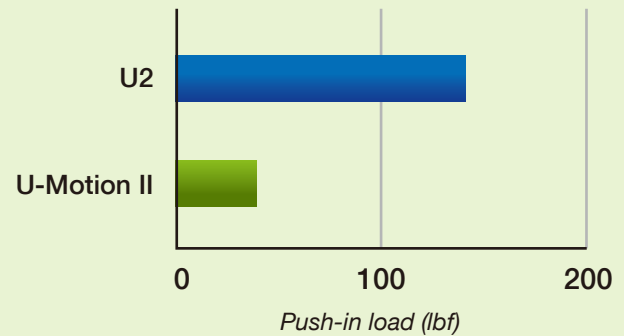
Wider range of motion



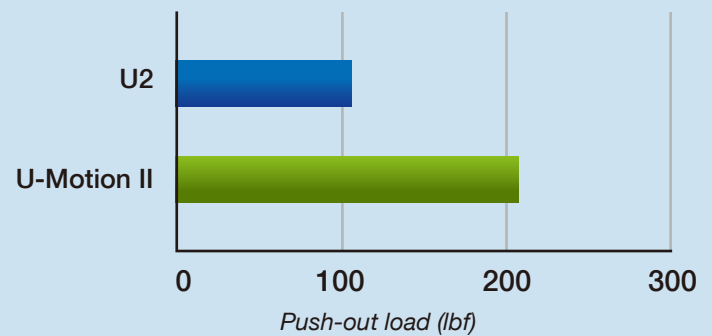
# Simple Setting of Liner-Cup Assembly



## Easy snap-in insertion



## Adequate locking strength



Data from U-Motion II testing report, UOC-RD-TR-12032

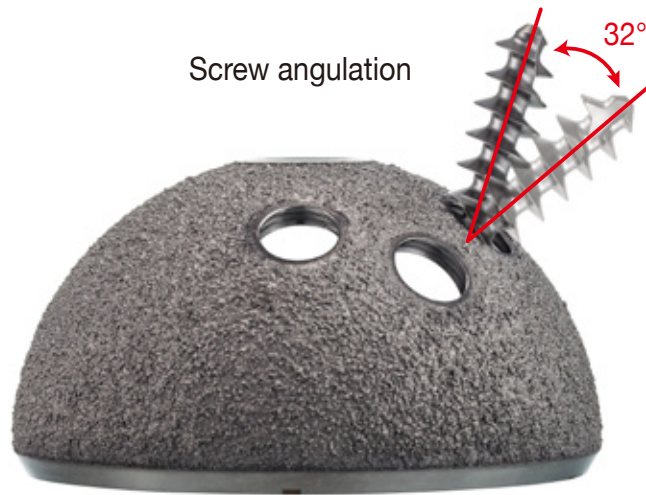






# High Screw Angulation

Improving surgical flexibility without compromising cup fixation.<sup>1</sup>



No-hole

Cluster-hole

Multi-hole



Ti Plasma spray



HA/Ti Plasma spray



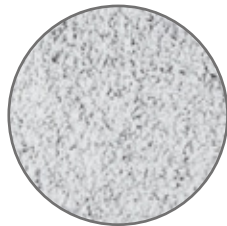
Ti Plasma spray



HA/Ti Plasma spray



# Proven Solutions for Long-Term Stability



## **HA/Ti Plasma Spray coating**

is demonstrated the osteoconductive property,<sup>2</sup> ensured bony ongrowth and inhibited migration of wear debris into bone-implant interface.<sup>3, 4</sup>



## **Ti Plasma Spray coating**

benefits biocompatibility<sup>5</sup> and biologic fixation with rough Ti-based surface.<sup>6</sup>























# Advanced Acetabular System

Small cup of O.D. 56 mm accommodated with largest bearing as 40 mm diameter provides enhanced joint stability, increased ROM and lowered risk of dislocation.

Comparison between acetabular couple catalogs with ceramic-on-ceramic bearing (BIOLOX®-delta ceramic)

Cup Size (mm)	Biomet	Depuy	S&N	Zimmer	UOC
	Exceed ABT	Pinnacle	R3	Continuum	U-Motion II
 48	 28	 32	 32	 32	 32
 52	 32	 36	 36	 36	 36
 56	 36	 36	 36	 40	 40

- Exceed ABT operative technique, Biomet
- Pinnacle wall chart, Depuy
- R3 surgical technique, Smith&Nephew
- Continuum surgical technique, Zimmer

# Order information



**Ti Cancellous Screw,  
Ø 6.5 mm**

Cat. No.	Length
5206-1015	15 mm
5206-1020	20 mm
5206-1025	25 mm
5206-1030	30 mm
5206-1035	35 mm
5206-1040	40 mm
★ 5206-1045	45 mm
★ 5206-1050	50 mm



**Screw Hole Covers**

Cat. No.	1306-1001
----------	-----------

*Screw hole covers are pre-assembled with multi-hole cup.*

	Cluster-Hole Cup		No-Hole Cup	Multi-Hole Cup
Cup Size (mm)	Ti Plasma	HA/Ti Plasma	Ti Plasma	HA/Ti Plasma
Ø 44	1306-3044	1306-1044	1306-3244	1306-1444
Ø 46	1306-3046	1306-1046	1306-3246	1306-1446
Ø 48	1306-3048	1306-1048	1306-3248	1306-1448
Ø 50	1306-3050	1306-1050	1306-3250	1306-1450
Ø 52	1306-3052	1306-1052	1306-3252	1306-1452
Ø 54	1306-3054	1306-1054	1306-3254	1306-1454
Ø 56	1306-3056	1306-1056	1306-3256	1306-1456
Ø 58	1306-3058	1306-1058	1306-3258	1306-1458
Ø 60	1306-3060	1306-1060	1306-3260	1306-1460
Ø 62	1306-3062	1306-1062	1306-3262	1306-1462
★ Ø 64	1306-3064	1306-1064	1306-3264	1306-1464
★ Ø 66	1306-3066	1306-1066	1306-3266	1306-1466
★ Ø 68	1306-3068	1306-1068	1306-3268	1306-1468
★ Ø 70	1306-3070	1306-1070	1306-3270	1306-1470





XPE Liner		Head	
Standard	20° lipped	CoCrMo	<i>delta</i> Ceramic
1406-3844 1406-3846	1406-5844 1406-5846	1201-1028 -3 28 mm 1201-1128 +0 28 mm 1201-1228 +2.5 28 mm 1201-1428 +5 28 mm 1201-1628 +7.5 28 mm 1201-1828 +10 28 mm	1203-5028 - 2.5 28 mm 1203-5228 + 1 28 mm 1203-5428 + 4 28 mm
1406-3248 1406-3250	1406-5248 1406-5250	1201-1032 -3 32 mm 1201-1132 +0 32 mm 1201-1232 +2.5 32 mm 1201-1432 +5 32 mm 1201-1632 +7.5 32 mm 1201-1832 +10 32 mm	1203-5032 -3 32 mm 1203-5232 +1 32 mm 1203-5432 +5 32 mm 1203-5632 +8 32 mm
1406-3652 1406-3654  1406-3656 1406-3658 1406-3660 1406-3662 1406-3664 1406-3666 1406-3668 1406-3670	1406-5652 1406-5654  1406-5656 1406-5658 1406-5660 1406-5662 1406-5664 1406-5666 1406-5668 1406-5670	1201-1036 -3 36 mm  1201-1136 +0 36 mm  1201-1236 +2.5 36 mm  1201-1436 +5 36 mm  1201-1636 +7.5 36 mm  1201-1836 +10 36 mm	1203-5036 -3 36 mm   1203-5236 +1 36 mm   1203-5436 +5 36 mm   1203-5636 +9 36 mm



	<i>delta</i> Ceramic	
Cup Size (mm)	Liner	Head
Ø 44 Ø 46	1406-1844	1203-5028   - 2.5   28 mm 1203-5228   + 1   28 mm 1203-5428   + 4   28 mm
Ø 48 Ø 50	1406-1248	1203-5032   -3   32 mm 1203-5232   +1   32 mm 1203-5432   +5   32 mm 1203-5632   +8   32 mm
Ø 52 Ø 54	1406-1652	1203-5036   -3   36 mm 1203-5236   +1   36 mm 1203-5436   +5   36 mm 1203-5636   +9   36 mm
Ø 56 Ø 58 Ø 60 Ø 62  ★ Ø 64 ★ Ø 66 ★ Ø 68 ★ Ø 70	1406-1056     1406-1064	1203-5040   -3   40 mm  1203-5240   +1   40 mm  1203-5440   +5   40 mm  1203-5640   +9   40 mm



**Devotion** *to*  
*Orthopedics*





**Devotion** *to*  
*Orthopedics*



**Devotion** *to*  
*Orthopedics*

## References

1. Hsu JT et al., Effects of screw eccentricity on the initial stability of the acetabular cup. Int Orthop. 2010; 31: 451-55.
2. Kurashina K et al., Ectopic osteogenesis with biphasic ceramics of hydroxyapatite and tricalcium phosphate in rabbits. Biomaterials. 2002; 23: 407-412.
3. Rahbek O et al., Sealing effect of hydroxyapatite coating on peri-implant migration of particles. An experimental study in dogs. J Bone Joint Surg. 2001; 83B: 441-447.
4. Rahbek O et al., Superior sealing effect of hydroxyapatite in porous-coated implants. Acta Orthop. 2005; 76: 375-385.
5. Long M and Rack HJ., Titanium alloys in total joint replacement—a materials science perspective. Biomaterials. 1998; 19: 1621-1639.
6. Svehla M et al., The effect of substrate roughness and hydroxyapatite coating thickness on implant shear strength. J Arthroplasty. 2002; 17: 304-311.



## Office

### ■ Taiwan

12F, No. 80, Sec. 1, Chenggong Rd, Yonghe Dist.,  
New Taipei City 23452, Taiwan  
Tel: +886 2 2929-4567 Fax: +886 2 2922-4567

### ■ USA

UOC USA Inc.

20 Fairbanks, Suite 173  
Irvine, CA 92618  
Tel: +1 949-328-3366 Fax: +1 949-328-3367

### ■ China

United Medical Instrument Co. Ltd.

7F, No.1405, GongheXin Road, Shanghai, China  
Tel: +86 21 3661-8055 Fax: +86 21 6628-3031

### ■ EU Representative

mdi Europa GmbH  
Langenhagener Strasse 71, 30855 Langenhagen, Germany  
Tel: +49-511-3908 9530 Fax: +49-511-3908 9539



All Rights Reserved, © 2013 United Orthopedic Corp.  
[www.uoc.com.tw](http://www.uoc.com.tw)

0199-B-07-01