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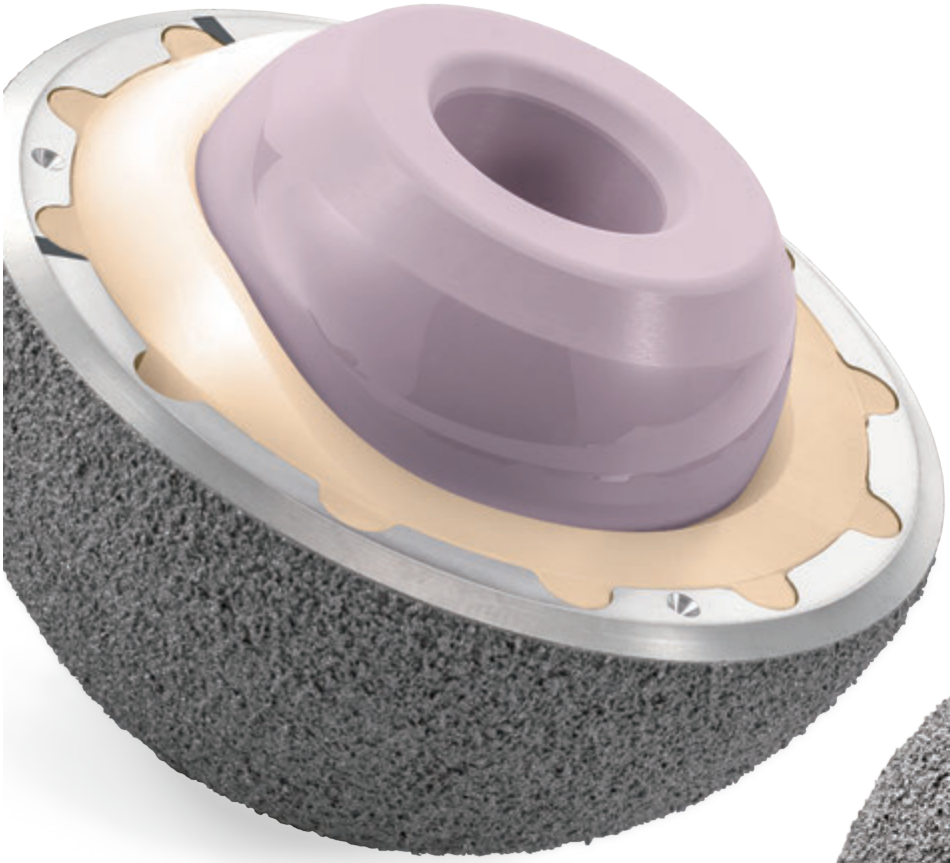
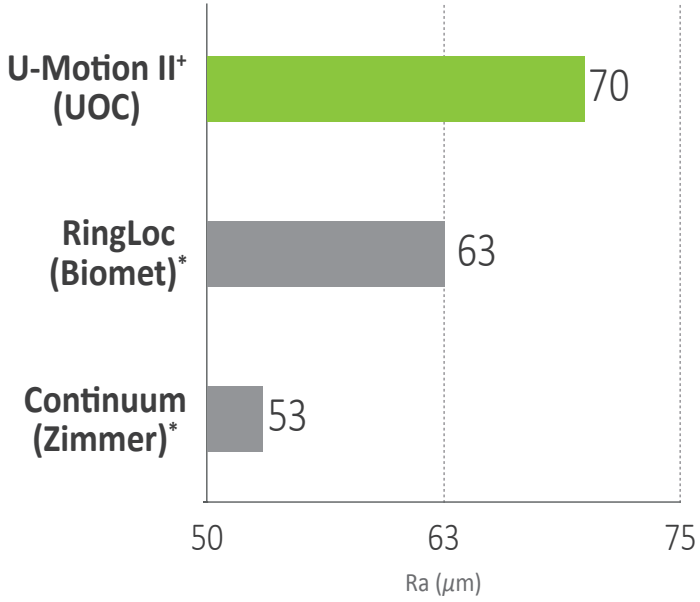


U-Motion II+™

TPS Plus™ Surface Coating

U-Motion II+ Acetabular System utilizes the new Ti plasma spray plus (TPS Plus) coating technology to achieve a greater surface roughness (Ra).
The rough surface of implant provides scratch fit for initial stability and has been shown to reduce micromotion[1], both effects contribute to long term fixation of the implant[1,2].



Increase Surface Roughness

Data from RingLoc brochure. File at www.biomet.com

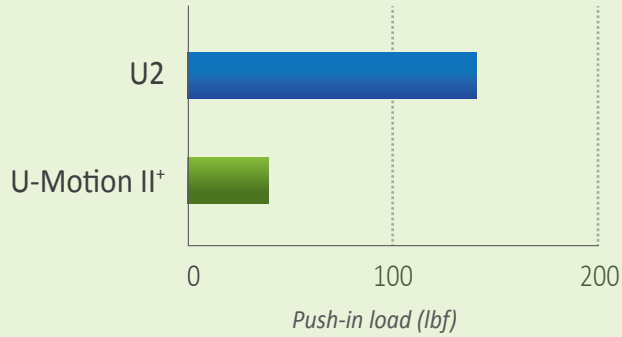
Optimized Head-to-Cup Ratio Provides Excellent ROM

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

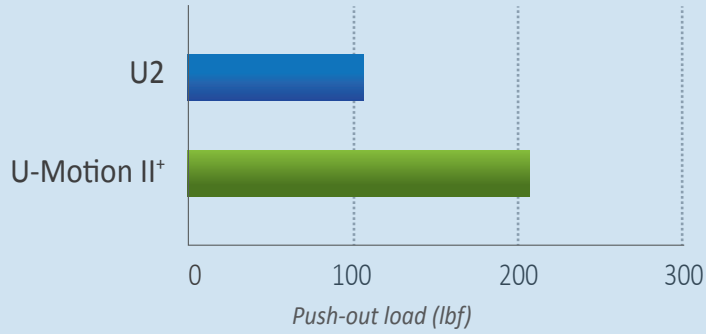
Wider Range of Motion

Simple Setting of Liner-Cup Assembly

Easy snap-in insertion



Enhanced locking strength



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

High Screw Angulation

Improving surgical flexibility without compromising cup fixation[3].

Screw angulation

No-hole

Cluster-hole with cover

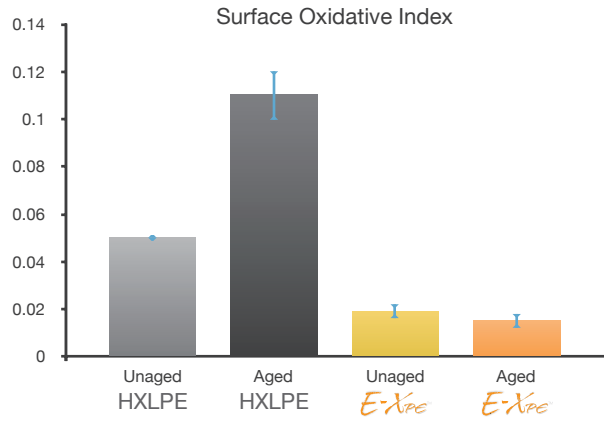
Excellent Wear Performance without the Risk of Oxidation

E-XPE™

Vitamin E Stabilized Highly Cross-linked UHMWPE

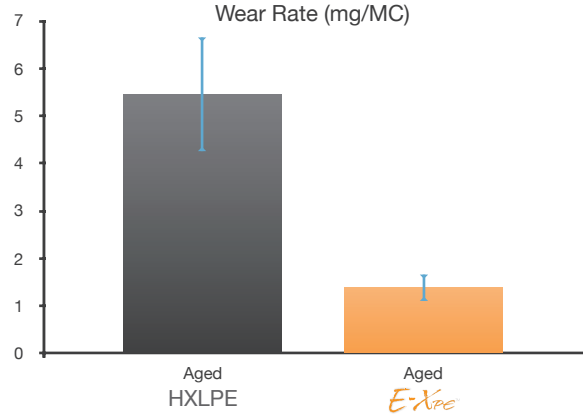
Superior Oxidative Stability

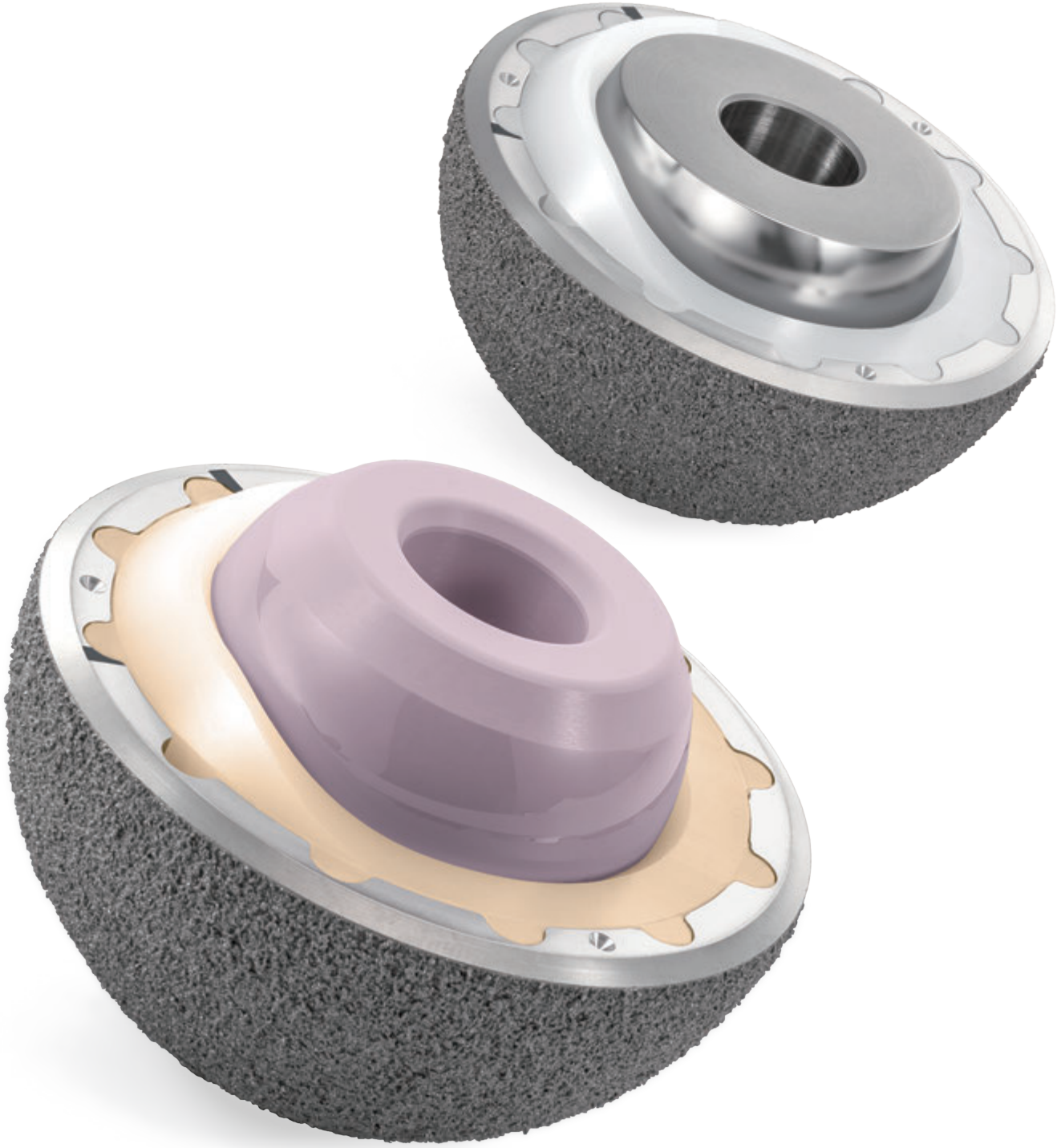
Antioxidant Vitamin E provides long-term oxidative protection by stabilizing the free radicals[4]. Surface oxidative index of E-XPE showed no oxidation after in vitro accelerated aging test whereas the conventional highly cross-linked polyethylenes (HXLPE) do not eliminate oxidative potential[5].



Extraordinary Wear Performance

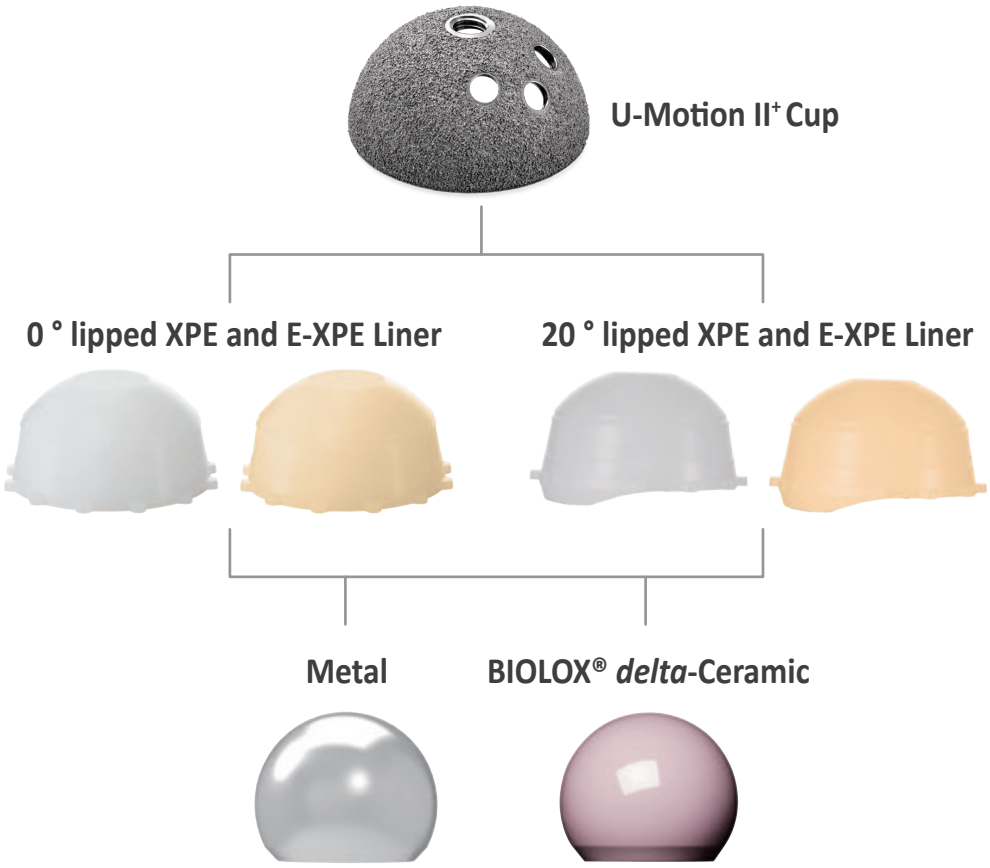
125kGy radiation dosage optimizes the cross-link density and enhances the wear resistance of E-XPE over HXLPE products. E-XPE liner performed 75% reduction in gravimetric wear after artificial aging simulation corresponding to 10 years real-time usage[6, 7].





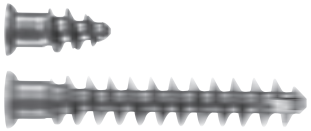
Bearing Options:
Metal and Ceramic on E-XPE Liner

U-Motion II+ Acetabular System offers surgeons a wide range of bearing options, including both highly cross-linked polyethylene (XPE) and Vitamin E stabilized highly cross-linked polyethylene (E-XPE) liner that can accommodates both metal and ceramic heads.



Order Information

★ *Optional Item*



Ti Cancellous Screw, Ø 6.5 mm	
Length (mm)	Cat. No.
15	5206-1015
20	5206-1020
25	5206-1025
30	5206-1030
35	5206-1035
40	5206-1040
★ 45	5206-1045
★ 50	5206-1050

	Screw Hole Covers
Cat. No.	1306-1001

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

	Cluster-Hole Cup	No-Hole Cup
Cup Size (mm)	TPS Plus	TPS Plus
Ø 44	1306-3144	1306-3344
Ø 46	1306-3146	1306-3346
Ø 48	1306-3148	1306-3348
Ø 50	1306-3150	1306-3350
Ø 52	1306-3152	1306-3352
Ø 54	1306-3154	1306-3354
Ø 56	1306-3156	1306-3356
Ø 58	1306-3158	1306-3358
Ø 60	1306-3160	1306-3360
Ø 62	1306-3162	1306-3362
★ Ø 64	1306-3164	1306-3364
★ Ø 66	1306-3166	1306-3366
★ Ø 68	1306-3168	1306-3368
★ Ø 70	1306-3170	1306-3370

★ *Optional Item*

	XPE Liner		E-XPE Liner		Head Size	
Cup Size (mm)	Standard	20˚ lipped	Standard	20˚ lipped	CoCrMo	*delta* Ceramic
Ø 44	1406-3844	1406-5844	1406-7144	1406-7544	28 mm	28 mm
Ø 46	1406-3846	1406-5846	1406-7146	1406-7546		
Ø 48	1406-3248	1406-5248	1406-7248	1406-7648	32 mm	32 mm
Ø 50	1406-3250	1406-5250	1406-7250	1406-7650		
Ø 52	1406-3652	1406-5652	1406-7352	1406-7752	36 mm	36 mm
Ø 54	1406-3654	1406-5654	1406-7354	1406-7754		
Ø 56	1406-3656	1406-5656	1406-7356	1406-7756		40 mm
Ø 58	1406-3658	1406-5658	1406-7358	1406-7758		
Ø 60	1406-3660	1406-5660	1406-7360	1406-7760		
Ø 62	1406-3662	1406-5662	1406-7362	1406-7762		
★ Ø 64	1406-3664	1406-5664	1406-7364	1406-7764		
★ Ø 66	1406-3666	1406-5666	1406-7366	1406-7766		
★ Ø 68	1406-3668	1406-5668	1406-7368	1406-7768		
★ Ø 70	1406-3670	1406-5670	1406-7370	1406-7770		

★ *Optional Item*

	Head					
Cup Size (mm)	CoCrMo			*delta* Ceramic		
Ø 44 Ø 46	1201-1028	-3	28 mm			
	1201-1128	+ 0	28 mm	1203-5028	-2.5	28 mm
	1201-1228	+ 2.5	28 mm	1203-5228	+ 1	28 mm
	1201-1428	+ 5	28 mm	1203-5428	+ 4	28 mm
	1201-1628	+ 7.5	28 mm			
	1201-1828	+ 10	28 mm			
Ø 48 Ø 50	1201-1032	-3	32 mm			
	1201-1132	+ 0	32 mm	1203-5032	-3	32 mm
	1201-1232	+ 2.5	32 mm	1203-5232	+ 1	32 mm
	1201-1432	+ 5	32 mm	1203-5432	+ 5	32 mm
	1201-1632	+ 7.5	32 mm	1203-5632	+ 8	32 mm
	1201-1832	+ 10	32 mm			
Ø 52 Ø 54				1203-5036	-3	36 mm
				1203-5236	+ 1	36 mm
				1203-5436	+ 5	36 mm
	1201-1036	-3	36 mm	1203-5636	+ 9	36 mm
Ø 56	1201-1136	+ 0	36 mm			
Ø 58	1201-1236	+ 2.5	36 mm			
Ø 60	1201-1436	+ 5	36 mm	1203-5040	-3	40 mm
Ø 62	1201-1636	+ 7.5	36 mm	1203-5240	+ 1	40 mm
★ Ø 64	1201-1836	+ 10	36 mm	1203-5440	+ 5	40 mm
★ Ø 66				1203-5640	+ 9	40 mm
★ Ø 68						
★ Ø 70						

*BIOLOX® *delta* is the registry trademark of Ceramtec AG.

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4. Oral et al., The effect of alpha-tocopheral on the oxidation and free radical decay in irradiated UHMWPE. Biomaterials, 27(32): 5580–5587, 2006.
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