Next Generation of Ceramics

BIOLOX®delta

Femoral Heads





BIOLOX® delta

The BIOLOX®delta heads provide a femoral head option with diamond like hardness that provides a high resistance to third-body wear in vivo.¹ These femoral heads are comprised of an aluminum oxide matrix consisting of approximately 80 percent alumina, 17 percent zirconia and three percent strontium oxide.



MATERIAL STRENGTH

A reinforcement mechanism is achieved by adding strontium oxide, which forms platelet-like crystals. These platelets dissipate energy by deflecting cracks, thereby increasing the strength and toughness of the Biolox Delta material.¹

INCREASED HEAD LENGTHS

The addition of zirconia into the material increases the overall material strength and prevents the initiation and propagation of cracks.¹ By doing this, greater head lengths are able to be achieved over the traditional Alumina heads.

ADDITIONAL SIZES

Available in four head lengths without the use of a skirt.

BIOLOX®OPTION

An additional femoral head option that allows one to revise any head to a ceramic head, with the use of a metal interface sleeve.

The BIOLOX®OPTION femoral head system can be used on a new stem taper (12/14 only) for primary and revision cases or on an implanted stem with a slightly damaged taper in revision.²

	Size (mm)	-3.5	+0	+3.5	+7	+10	
Cobalt Chrome	22*	n/a	~	~	✓ **	✓ **	
	28	V	~	V	V	✓ **	
	32	/	~	V	V	✓ **	
	36	/	~	V	V	✓	
	40*	/	~	V	V	V	
Delta	28	✓	~	/	✓†	n/a	
	32	✓	~	/	/	n/a	
	36	✓	~	/	/	n/a	
	40*	/	~	'	/	n/a	
Alumina	28*	/	~	V	n/a	n/a	
	32*	/	~	V	n/a	n/a	
	36*	/	~	V	n/a	n/a	

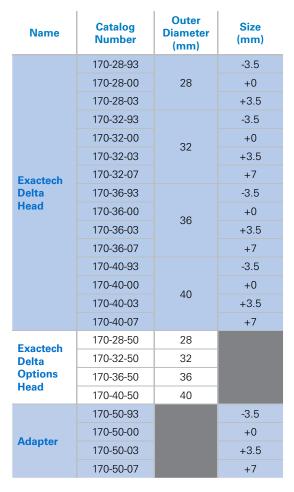
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^{*}Special order only.

*Items are skirted.

1. https://

^{2.} BIOLOX®Delta Alumina/Zirconia Ceramic Femoral Head Components and BIOLOX®Option Alumina/Zirconia Ceramic Femoral Head System Instructions for Use. 700-096-117.





[†]Uses the BIOLOX®OPTION for this head length.

^{1.} https://www.ceramtec.com/biolox/