permedica
ORTHOPAEDICS

ELEC® plus

Ceramic Heads

PRODUCT INFORMATION

CE
0482

ELEC® plus
Ceramic Femoral Heads

4 diameters
28-32-36-40mm

Taper 12/14 (top angle 5°42'30")

ELEC® plus components are manufactured from ultra-pure raw materials (ZTA Zirconia-Toughened Alumina-Ceramic) that ensure very low wear levels thanks to high corrosion resistance, material biocompatibility, degree of hardness, dimensional stability of the components and to excellent wetting and low roughness of surfaces.

Femoral implants for hip arthroplasty made from the high-performance ceramic material ELEC® plus without addition of any colouring agent (e.g. Chormium) have been successfully employed in clinical practice for over 10 years.

As a low-wear alternative to metal femoral heads in ceramic-on-polyethylene joint coupling, ELEC® plus femoral heads can be combined with all conventional stem materials.

* ELEC® is a registered trademark of HiPer Medical AG

ELEC® plus *ceramic Heads*

	Ø 28mm		Ø 32mm		Ø 36mm		Ø 40mm	
Size	*Neck Length*	*Reference*	*Neck Length*	*Reference*	*Neck Length*	*Reference*	*Neck Length*	*Reference*
Short	- 3,5mm	**110230**	- 4,0mm	**110260**	- 4,0mm	**110300**	- 4,0mm	**110340**
Medium	0mm	**110240**	0mm	**110270**	0mm	**110310**	0mm	**110350**
Long	+3,5mm	**110250**	+4,0mm	**110280**	+4,0mm	**110320**	+4,0mm	**110360**
XL		-	+7,0mm	**110291**	+8,0mm	**110330**	+8,0mm	**110370**

Information

INTENDED PURPOSE: ELEC®plus ceramic femoral heads are intended for use in Total or partial Hip Replacement procedures in combination with a femoral stem providing 12/14 morse-taper, coupled with a bi-articular head or an acetabular cup and related UHMWPE insert.

MATERIALS:

Mix of Alumina, Zirconia and other oxydes ($Al_2O_3 + ZrO_2 + HfO_2$) - ISO6474/2.

STERILIZATION:

Method: Irradiation (*R - nominal dose 25 kGy*).

Validity: 5 years.

CLASSIFICATION: Class III as reported in Directive 2005/50/CE (and related D.lgs 26 april 2007 n.65) concerning re-classification of Hip, Knee and Shoulder joint prostheses which modifies classification criteria of Annex IX of Directive 93/42/CEE and next integrations and amendements.

MANUFACTURER: HiPer Medical AG Ziegeleistrasse 7 D-16727 Oberkraemer Germany
DISTRIBUTED BY: permedica S.p.A. via Como, 38- 23807 Merate (Lc) ITALY

www.permedica.it

CHALLENGING EXCELLENCE IN TECHNOLOGY

SI038EN Rev. 01.0 - 2022/09