



CE 0482

ELEC[®]plus Revision Femoral Heads



HiPer Medical AG
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Distributor:
Waldemar Link GmbH & Co. KG · www.linkorthopaedics.com



Premium Ceramic Hip Implants

Femoral and acetabular implants for hip arthroplasty made from the high-performance ceramic materials ELEC® and ELEC®plus have been employed with great success in clinical practice for over 10 years. As a low-wear alternative to metal femoral heads in polyethylene articulation, ELEC® femoral heads can be combined with all conventional stem materials.

For revision surgery, we offer ELEC®plus revision femoral heads, which are designed to be mounted on an in-situ stem. ELEC® and ELEC®plus components are manufactured from ultra-pure raw materials without the use of coloring admixtures (e.g. chromium), and are therefore completely safe when implanted in the human body for a period of decades.

Mounting the prosthesis head with the taper

The surgeon attaches the ELEC®plus prosthesis head to the adapter sleeve in the packaging, and fixes it in place by applying firm pressure. Once the prosthesis head and titanium sleeve have been securely joined, they can be attached to the clean, dry taper of the stem.

In order to ensure an optimal outcome with the ELEC®plus system, it is essential to follow the instructions supplied by HiPer Medical AG together with the implant, in addition to the general information given in this brochure.

Final fitting on the stem

- The taper of the stem must be dry and free of blood or any other contamination (such as residual tissue, bone and cement)
- Attach the ELEC®plus femoral head/sleeve to the taper of the stem with a twisting movement while pressing gently
- The head/sleeve should be easy to fit on the taper of the stem
Do not use the head/sleeve if you have to press hard to fit it
- Fix the implant by positioning the impactor on the femoral head with a moderate tap of the mallet
- Check that the implant is securely fixed by attempting to remove the femoral head by hand

Important:
ELEC® and ELEC®plus femoral heads must never be fitted to the taper of the stem by striking directly with a metal hammer. Always use a LINK® driver such as 130-600 or 131-610/01 with a plastic head.

Permissible!



- Undamaged taper
- Minor damage

Important!

At the preoperative planning stage, it is important to check that the taper of the in-situ stem is compatible with the 12/14 mm taper diameter. ELEC®plus revision prosthesis heads can be combined with all ELEC® inserts and also polyethylene, X-LINKed® and E-Dur inserts as the opposite articulating surface.

In revision surgery, the prosthesis head (and also the titanium sleeve, if fitted) must be removed using a suitable instrument to avoid unnecessary damage to the taper of the stem. The taper must then be precisely examined. If it is undamaged, or if there is only minor damage, the ELEC®plus system can be used.

Not permissible!



- Beveled taper, not permissible
- Taper with wide flat area, not permissible
- Squashed taper, not permissible

If the taper has been damaged, the surgeon must assess the degree of damage and ensure that it is acceptable.

- Inspection of the taper and assessment criteria:
- Acceptable: the used taper only displays fine marks caused when the head was removed from the stem.
 - Unacceptable: deformation of the taper: see the "Not permissible" image. The ELEC®plus system must not be used in this state.

If it is only possible to fit the ELEC®plus system to the taper of the stem by pressing hard, the ELEC®plus system must not be used.

Revision femoral heads

Material: femoral head: ELEC®plus, taper: TiAl6V4; 12/14 mm

LINK® Item no.	Replaces Item no.	Manufacturer Item no.	Head Ø mm	Neck length	Neck length mm
198-628/01	128-628/01	160000	28	short	-3
198-628/02	128-628/02	160010	28	medium	0
198-628/03	128-628/03	160020	28	long	+4
198-628/04	128-628/04	160030	28	extra long	+7
198-632/01	128-632/01	160040	32	short	-3
198-632/02	128-632/02	160050	32	medium	0
198-632/03	128-632/03	160060	32	long	+4
198-632/04	128-632/04	160070	32	extra long	+7
198-636/01	128-636/01	160080	36	short	-3
198-636/02	128-636/02	160090	36	medium	0
198-636/03	128-636/03	160100	36	long	+4
198-636/04	128-636/04	160110	36	extra long	+7
198-640/01	128-640/01	160120	40	short	-3
198-640/02	128-640/02	160130	40	medium	0
198-640/03	128-640/03	160140	40	long	+4
198-640/04	128-640/04	160150	40	extra long	+7