



Biathlon Hip Stem

BEST QUALITY

MADE IN GERMANY

BIATHLON HIP STEM

For a cementless anchoring in the femur

The Biathlon hip stem is a hip endoprosthesis for cementless anchoring in the femur. It is made of titanium wrought alloy (TiAl6V4 ISO 5832-3) and comes equipped with a 12/14 cone.

The stem can be combined with both metal and ceramic femoral heads. In addition to the standard variant we also offer a lateralized version. In order to treat the various femoral anatomies of the patients the Biathlon hip stem is available in 10 sizes, each of which has two different offsets.

There is therefore a wide range available for the reconstruction of the natural geometry of the joint using the biochemical parameters of centre of rotation, leg length and CCD angle.

The design of the prosthesis enables gentle compression of the

cancellous bone. Primary anchoring of the cementless variant is achieved with the press-fit mechanism. The double conical-shaped body of the stem is pressed metaphysically after preparation of the implant bed into the cortico-spongy bone.

The porous titanium plasma spray (TPS) process ensures a high degree of primary stability which excludes nearly all relative movement while improving secondary anchoring at the same. Secondary anchoring is finally achieved by osteointegration, during which the bone grows into the porous surface of the prosthesis.



PRODUCT DESCRIPTION

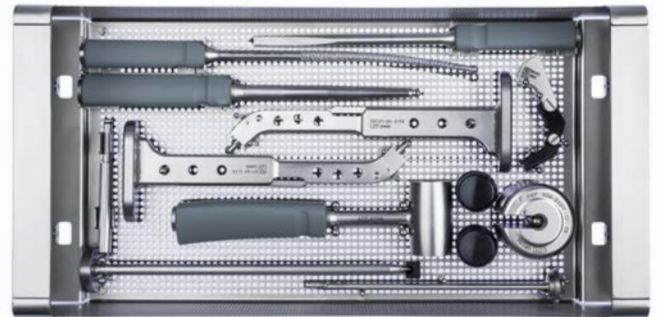
- Anchoring: cementless
- Material: Ti6Al4V (ISO 5832-3) with TPS coating or TPS and CaP coating
- Cone: 12/14
- Combinable with: Metal and ceramic femoral heads
- Variant: Standard: CCD 130°
Lateral: CCD 125°
- Sizes: 10 sizes

INSTRUMENTS

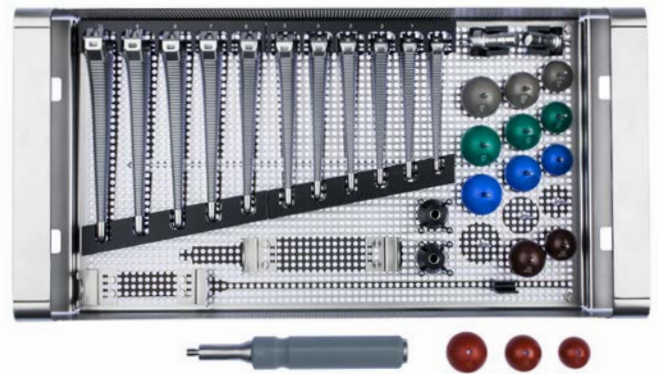
Implantation of the Biathlon Hip Stem requires only a handful of basic instruments, that comes along with a modern, ergonomically shaped silicone handle system which meets all cleaning and sterilization requirements.

The precision-cut rasps made of premium-grade, hardened stainless steels contained in the rasp instrument set allow the surgeon to prepare a highly accurate contour.

Both the basic instrument set and the rasp instrument set can be supplied in our Monolite trays. The instrument trays are cast in one piece from high quality stainless steel. The system is characterised by its light weight and can be stacked as desired.



Basic Instrument Set Biathlon Hip Stem



Rasp Instrument Set Biathlon Hip Stem

