



 **smith&nephew**
POLARSTEM[®]
Cementless Stem System

Product Overview



The design

Stem

- The proximal body of the stem, in the anterior/posterior planes, is designed to provide excellent proximal stability, possibly reducing the incidence of subsidence
- The triple taper, self-locking stem is designed to distribute the load transmission without abnormal peak loads
- The shortened stem length and narrow distal tip allows for ease of implantation through any surgical approach

Structure

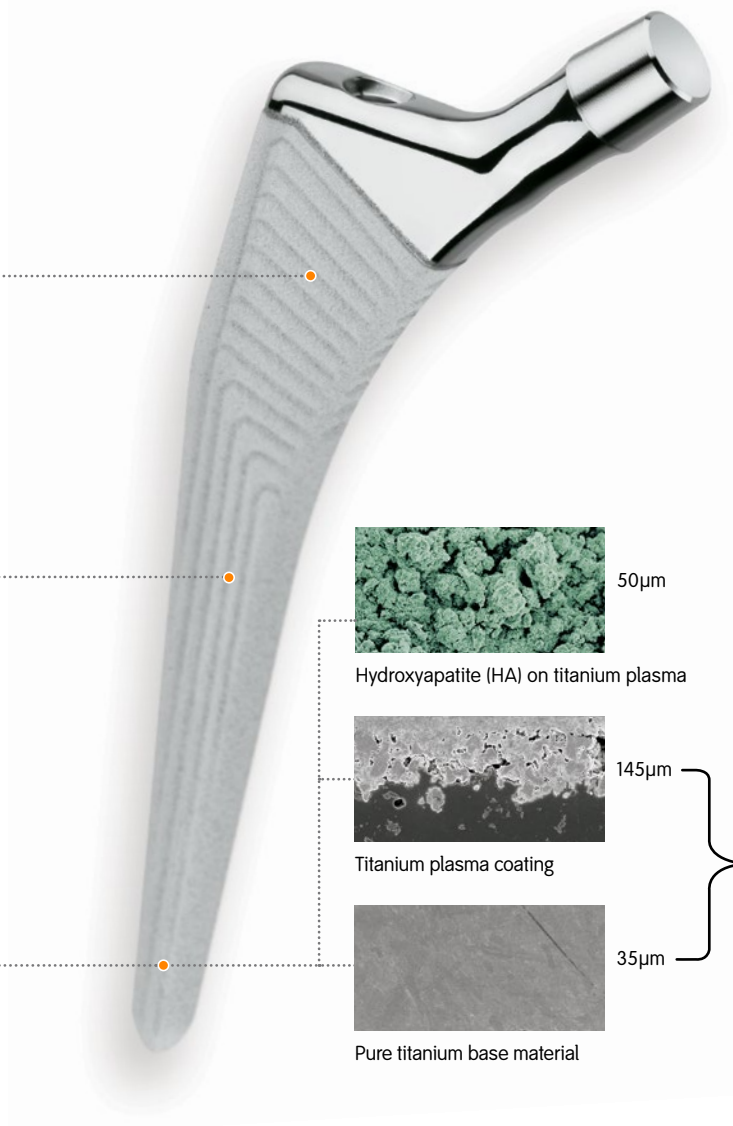
- The proximal grooves are perpendicular to the average load direction therefore possibly avoiding the incidence of stem subsidence
- The stem is designed with a distinctive axial structure to increase rotational stability

Coating

- The stem design incorporates the advanced surface roughness of Titanium Plasma spray with a HA coating

Instrumentation

- Compaction teeth anterior posterior and bone cutting teeth medial lateral provide good cortical bone contact
- Female broaches allow for a good assessment of rotational stability and allow for the "femur first" technique
- Instrumentation is available for any surgical approach



Portfolio

Product portfolio

- Standard and lateral versions available in both collared and collarless options
- The collared stems provide secondary stability
- Valgus stem available to provide a reduced offset option and address valgus femur types

Instrument set

- Simple and user friendly instrumentation for all surgical approaches



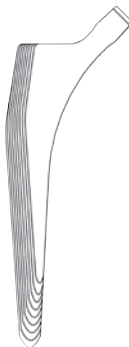
135° Standard Offset Stems



126° Lateral Offset Stems



145° Valgus



- Size increase: Each size grows in 1.3 mm increments laterally
- Stem length grows in 4mm increments between each size

Offset

- Offset of the lateral stems is increased by 3.5 mm compared to the standard stem to better reconstruct the hip biomechanics
- The valgus stem provides a reduced offset option to address difficult valgus, abnormalities

Offset overview (M/+4 femoral head)

Size	Valgus (mm)	Standard (mm)	Lateral (mm)
0	38	39	-
1	38	42	45
2	39	43	46
3	40	43	47
4	40	44	48
5	41	45	48
6	42	45	49
7	42	46	49
8	-	46	50
9	-	47	51
10	-	48	51

For detailed product information, including indications for use, contraindications, effects, precautions and warnings, please consult the product's Instructions for Use (IFU) prior to use.

Supporting healthcare professionals for over 150 years

Manufacturer

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