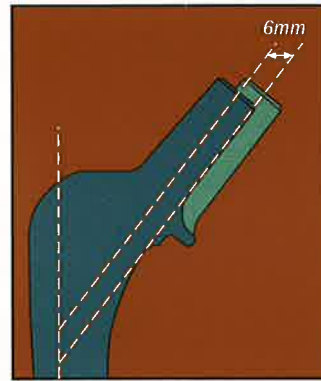


Integral Centralizer™

The Integral Centralizer, like its porous counterpart, incorporates a bi-planar taper. The tapered geometry uniformly loads the cement in a compressive manner, gradually off-loading stresses from proximal to distal. The stem also incorporates integrated A/P and medial cement spacers proximally and a modular distal cement spacer to center the stem and provide a uniform cement mantle throughout. The A/P lateral flares, which arch toward the duckbill collar, help to pressurize the cement medially during implantation.



The Integral Centralizer is also available in a lateralized version. As seen in this illustration, the Morse taper of the Integral Lateralized Centralizer is shifted 6mm medially. When using the lateralized option, the offset is increased, thereby tightening soft tissues without affecting the leg length.

7 Neck Lengths

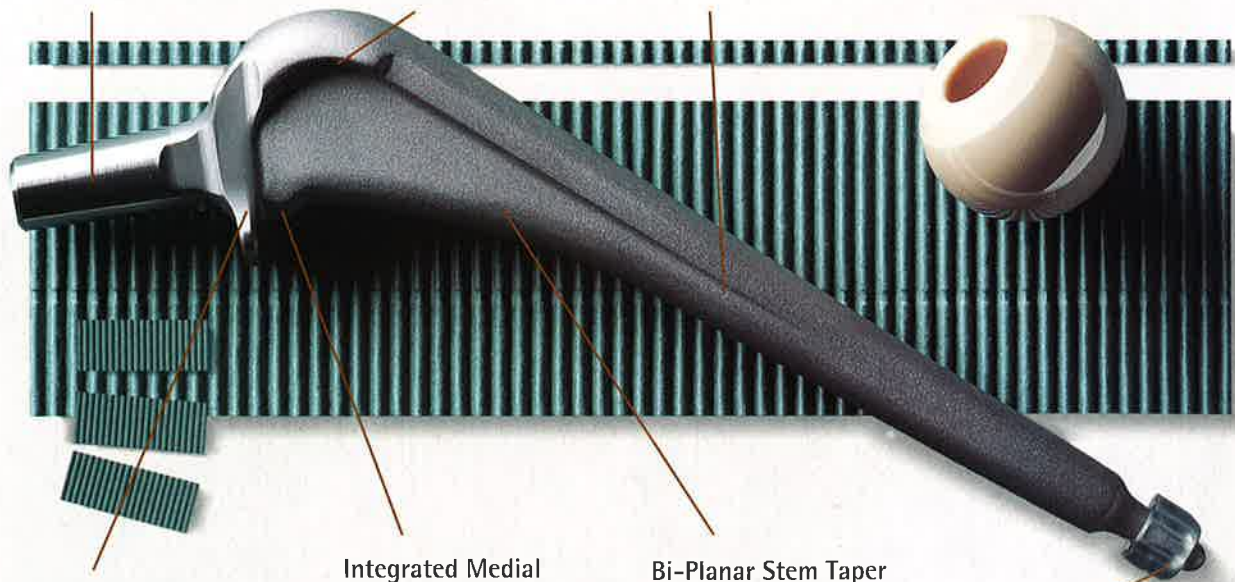
- Provide for accurate leg length adjustment.

Integrated A/P Spacers

- Centralize stem in the canal and provide a uniform cement mantle.

Forged CoCrMo

- High fatigue strength and abrasion resistance.
- Interlok finish for enhanced cement-to-implant bonding.



Duckbill Collar

- Calcaneal support and stress transfer.
- Pressurizes medial cement with insertion.
- Facilitates reproducible and accurate placement during cementation.
- Allows A/P access if revision becomes necessary.

Integrated Medial Proximal Spacer

- Provides proper stem placement and a uniform cement mantle.

Bi-Planar Stem Taper

- Promotes compressive loading vs. shear of the cement mantle.

PMMA Distal Stem Positioner

- Centralizes the stem to help avert varus or valgus positioning.
- Complete interchangeability of multiple-sized positioners provides ability to fit wide size range of canals.