

## Juveno<sup>™</sup> Femoral Hip System

RESTORING MOBILITY

## The Juveno™ femoral stem has evolved

from a traditional tapered wedge design to one with size-specific medial curvature geometry and an anatomically proportional neck to optimize fit for each patient's native anatomy. At b-ONE™, we are committed to restoring mobility, elevating patients' quality of life, and exceeding expectations.





Proportional neck lengths & anatomic neck offsets to optimize patient fit

## **Advanced Coating Technology**

- Proximally circumferentially coated with a commercially pure titanium porous plasma spray that features an optimal porosity and pore size to encourage osseointegration<sup>1,2,3</sup>
- Enhanced with a bioactive hydroxyapatite layer to accelerate bone remodeling and promote long-term fixation<sup>4,5,6</sup>

Tapered distal relief to allow for easy insertion

## References:

- 1. b-ONE TM-00080
- 2. Kanuja et. Al. "Cementless Femoral Fixation in Total Hip Arthroplasty." The Journal of Bone & Joint Surgery. 93(5):500-509, Mar 2011.
- 3. Bobyn, J.D. et al. The Optimal Pore Size for the Fixation of Porous-surfaced Metal Implants by the Ingrowth of Bone. Clinical Orthopaedics and Related Research. (150): 263-70, 1980.
- 4. Chambers et al. "Hydroxyapatite-Coated Tapered Cementless Femoral Components in Total Hip Arthroplasty." The Journal of Arthroplasty. Vol. 22 No. 4 Suppl. 1 2007.
- 5. Frayssinet, P. et al. (1995) "Natural History of Bone Response to Hydroxyapatite-Coated Hip Prostheses Implanted in Humans," Cells and Materials: Vol. 5: No. 2, Article 2.
- $6.\ Herrera, A.\ et.\ Al.\ Clinical Study\ Cementless\ Hydroxyapatite\ Coated\ Hip\ Prosthesis, "Biomed\ Research\ International,\ vol\ 2015.$