

Bring on the  
Challenge.

equinoxe®

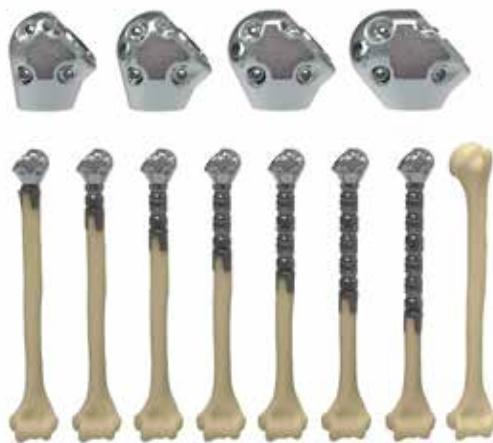
HUMERAL RECONSTRUCTION  
PROSTHESIS



 **advita**  
ORTHO

Advancing: **Life**

The Equinoxe® Humeral Reconstruction Prosthesis offers a unique solution for complex and challenging cases with significant humeral bone loss.

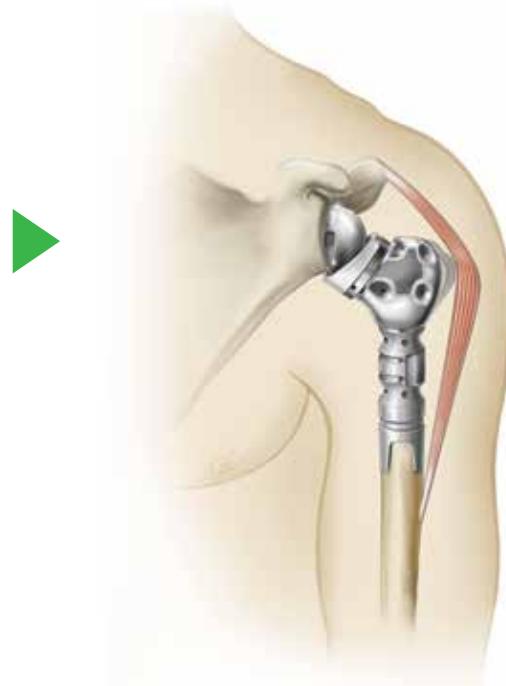


### MODULARITY

- Platform stem for hemi, aTSA and rTSA applications
- Midsections with soft tissue attachments
  - 25mm, 50mm, and 75mm
- Multiple options to reconstruct length of humeral resection (50-222.5mm)

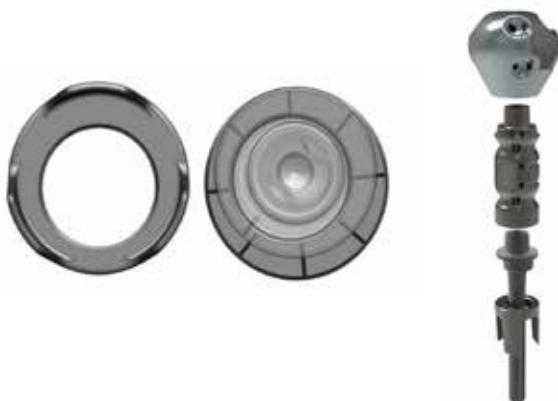
### BIOMECHANICS

- Anatomically shaped proximal bodies designed to restore locations of rotational muscle insertions
  - Available in small, medium, large and extra large
- Proximal bodies are designed to increase deltoid wrapping and moment arms with the goal of improving biomechanical advantage and stability<sup>1-3</sup>



### SOFT TISSUE FIXATION

- Soft tissue fixation options on all midsections and proximal bodies
- Multiple options for placement of soft tissue suture
- Suture holes designed to contain sutures and prevent abrasion



### ROTATIONAL STABILITY

- Unique plasma/ HA coated collar designed to provide external fixation and rotational stability
- Dual offset collars and distal stems are designed to provide optimal fit, ensuring a uniform cement mantle

### REFERENCES

1. Roche C et al. Impact Of Inferior Glenoid Tilt, Humeral Retroversion and Bone Grafting on Muscle Length and Deltoid Wrapping in Reverse Shoulder Arthroplasty. *Bulletin of Hospital for Joint Diseases*. Vol. 71(4):284-93. 2013.
2. Roche C et al. Biomechanical Summary of Reverse Shoulder Arthroplasty. Animation. AAOS Orthopaedic Video Theater. OVT-34. 2015.
3. Hamilton M et al. Effect of Reverse Shoulder Design Philosophy on Muscle Moment Arms. *J Orthop Res*. Apr;33(4):605-13. 2015.