

EXACTECH | SHOULDER



Bring on the Challenge.

Flexibility for your complex humeral reconstruction cases.

equinox[®]

Humeral Reconstruction Prosthesis

equinox[®]

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



MODULARITY

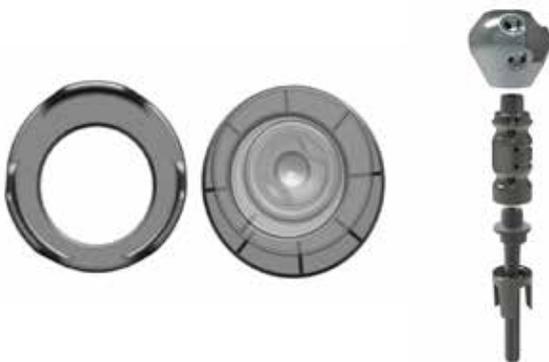
- Platform stem for hemi, aTSA and rTSA applications
- Midsections with soft tissue attachments
— 25mm, 50mm, and 75mm
- Multiple options to reconstruct length of humeral resection (50-222.5mm)

BIOMECHANICS

- Anatomically shaped proximal bodies restore locations of rotational muscle insertions
— Available in small, medium, large and extra large
- Proximal bodies increase deltoid wrapping and moment arms to improve biomechanical advantage and stability¹⁻³

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 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.

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