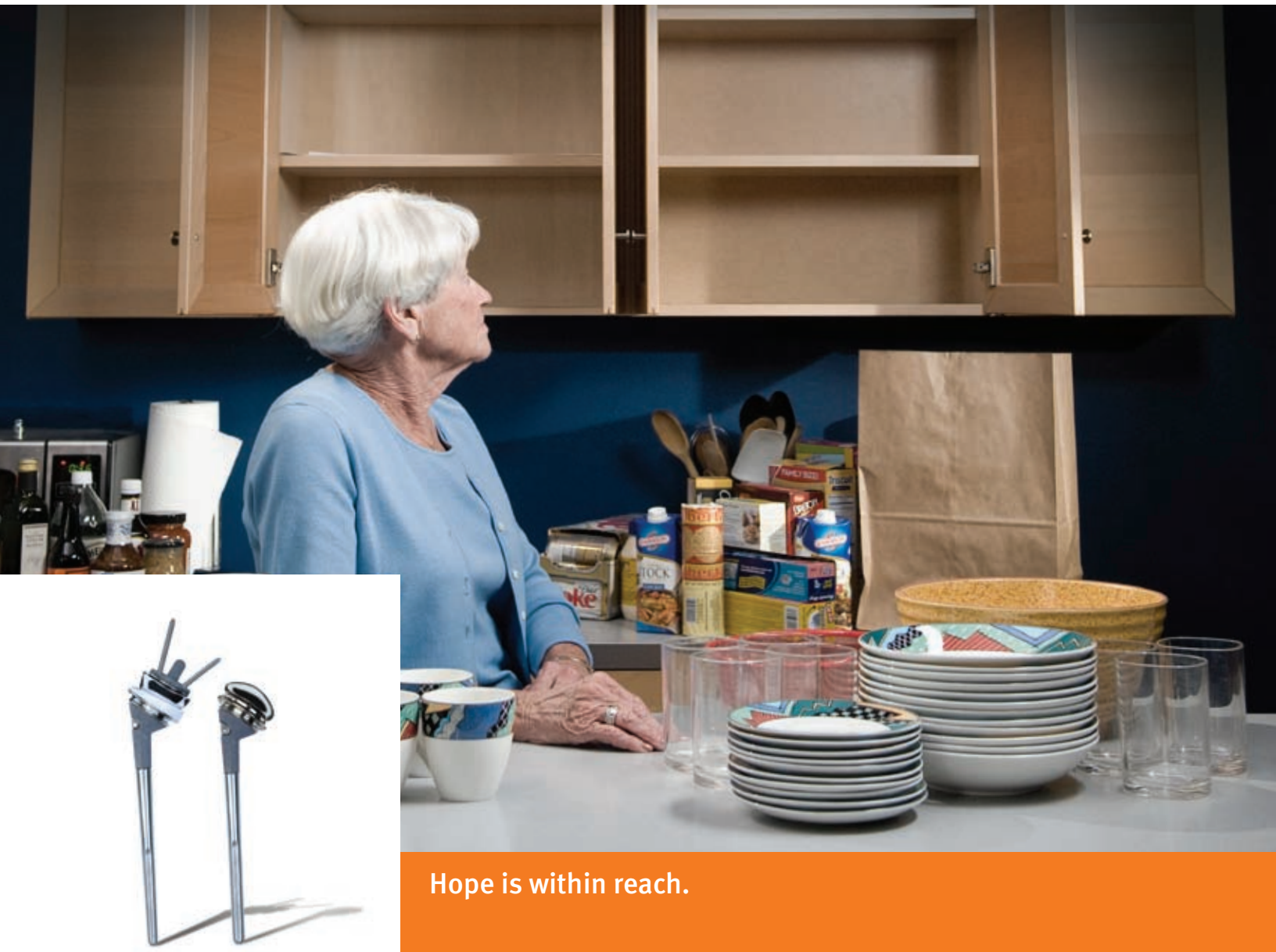


Zimmer®
Trabecular Metal™
Reverse Shoulder
System



Hope is within reach.



Helping to bring the world within reach

Even the seemingly basic activities can be taken for granted. Combing your hair. Putting the dishes away. Clearing the clutter. The *Trabecular Metal™* Reverse Shoulder System helps you return cuff tear arthropathy patients to those simple activities of daily living. The unique implant design, combined with *Trabecular Metal* Technology, provides a comprehensive system that enables you to have greater confidence.

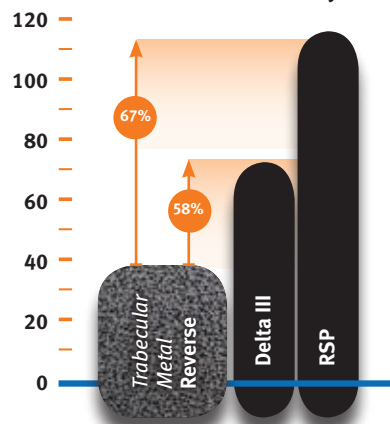
Trabecular Metal Base Plate provides enhanced glenoid stability

- Base Plate micromotion less than half that of DePuy Delta III Reverse Shoulder and DJO RSP Base Plates^{1,2}
- *Trabecular Metal* Material provides friction fit, while supporting biologic ingrowth and vascularization³⁻⁶
- Increased Base Plate surface area through 2-screw construct⁷

Polyaxial screw placement within 30 degree arc and subsequent locking for optimum system stability⁸

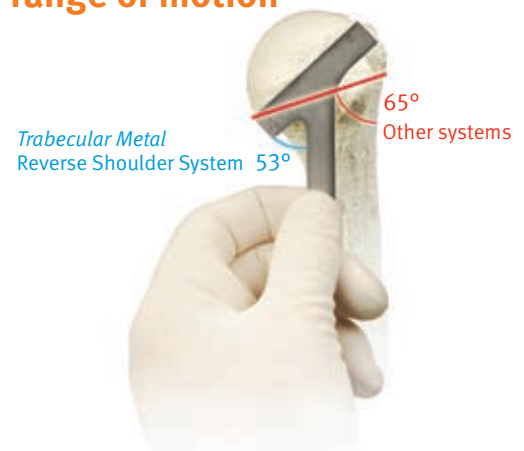


Comparison of Reverse Base Plate Stability



58% less micromotion than the Delta III Reverse Shoulder implant^{1,2}

Designed to improve range of motion

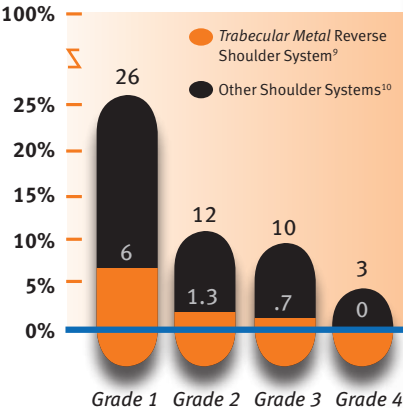


- 53 degree anatomical resection maintains cuff attachments, allowing any residual rotator cuff function to be preserved
- 60 degree implant angle provides 5 degrees of additional abduction versus 65 degree constructs
- Two polyethylene liner angles (60 degrees/65 degrees) allow constraint and range of motion to be balanced



Six proximal suture holes designed to give the surgeon more flexibility to repair and reconstruct — when needed.

Reduced likelihood of scapular notching



- Less than 1% Grade 3/4 notching at 22 months compared to typically reported rates of more than 7%
- Reduced incidence of impingement due to 60 degree implant neck angle⁹
- Center of rotation up to 3mm lateral from prepared surface to reduce probability of impingement⁹



Polyaxial screw placement within 30° arc and subsequent locking for optimum system stability

Inverse/Reverse Screw System

- 4.5mm diameter self-tapping
- A locking screw cap will fix and secure the desired angle of each Inverse/Reverse Screw

Trabecular Metal Reverse Glenospheres

- 2 diameters: 36mm and 40mm
- Morse taper for secure fixation

Trabecular Metal Reverse UHMWPE Liner

- 60° Standard Liner
- 65° Retentive Liner
- Both Available in:
36mm and 40mm;
3 thicknesses: +0mm, +3mm, and +6mm

Spacer (Optional)

- +9mm and +12mm

Trabecular Metal Base Plate

- 28mm diameter *Trabecular Metal* base plate pad
- 15mm *Trabecular Metal* coated central peg

Trabecular Metal Reverse Shoulder Stem

- 8, 10, 12, 14 x 130mm
- 8, 10, 12 x 170mm

Trabecular Metal Base Plate provides enhanced glenoid stability

Designed to improve range of motion

Reduced likelihood of scapular notching

References: 1. Mroczkowski MS, Wiley R. Initial Fixation of the Trabecular Metal Reverse Shoulder Glenoid Base Plate Implant. 2008. 2. Harman M, Frankle M, Vasey M, Banks S. Initial glenoid component fixation in "reverse" total shoulder arthroplasty: a biomechanical evaluation. *J Shoulder Elbow Surg* 2005; 14: 162S-167S. 3. Bobyn JD, et al. Characteristics of bone ingrowth and interface mechanics of a new porous tantalum biomaterial. *JBJS* 1999; 81-B: 907-914. 4. Bobyn JD, et al. Characterization of a new porous tantalum biomaterial for reconstructive orthopaedics. Scientific Exhibition: 66th Annual Meeting of the American Academy of Orthopaedic Surgeons; 1999; Anaheim, CA. 5. *J Musculoskel Res.* 1999; 3: 245-251. 6. Medlin DJ, et al. Metallurgical characterization of a porous tantalum biomaterial (*Trabecular Metal*) for orthopaedic implant applications. Presentation, Materials & Processes for Medical Devices Conference, Anaheim, CA, 2003. 7. Nanavati V, Jones AK, Sutton LG, Taormina JL, Werner FW. Glenoid fixation optimization in reverse shoulder implants [abstract]. Paper No 226, 54th Annual Meeting of the Orthopaedic Research Society, 2008. 8. Parsons BO, et al. Optimal rotation and screw positioning for initial glenosphere baseplate fixation in reverse shoulder arthroplasty. *JBJS Br.* 2009; 1-6. 9. Nicholson GP, Murthi AM, *Trabecular Metal* Reverse Shoulder Arthroplasty and the Lack of Scapular Notching. ASES 2009 Open Meeting, Session IV, Paper #27; Las Vegas, NV. 10. LeVigne C, et al. Scapular notching in reverse shoulder arthroplasty. *JSES* 2008; Volume 17, Issue 6: 925-935.

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