



**Comprehensive<sup>®</sup> Fracture Stem**

**BIOMET<sup>®</sup>**

Knees • Hips • Extremities • Cement and Accessories • PMI<sup>®</sup> • Technology

# Comprehensive® Fracture Stem

## Featuring Positioning Sleeve Technology

Approximately 55 percent of all shoulder replacements are the result of complex fractures of the proximal humerus.<sup>1</sup> The surgeon is challenged to restore proper humeral height and biomechanics, achieve adequate range of motion, and provide pain relief for the patient. The Comprehensive® Fracture Stem was designed with these challenges in mind and to help the surgeon achieve the ultimate goal...patient satisfaction.

Compact proximal body with MacroBond® coating for improved tuberosity reconstruction

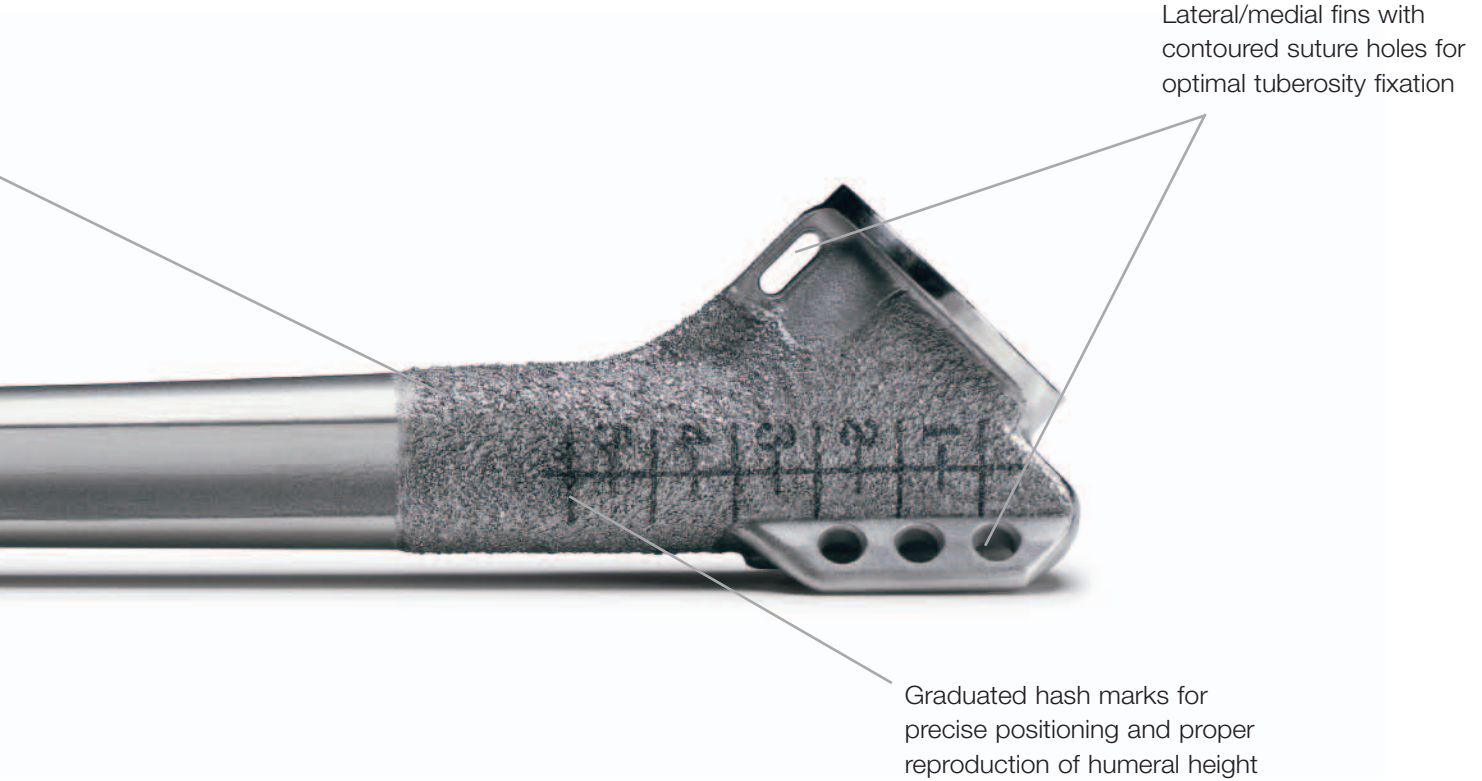


Internal positioning sleeve sets appropriate stem height without the use of an external jig

### Comprehensive® Fracture Stem

- Reverse Morse Taper provides the ability to move between a hemi, total, or reverse shoulder arthroplasty without removing a well-fixed Comprehensive® Fracture Stem
- Anatomic 45 degree neck angle provides ample room under the collar for tuberosity reconstruction
- Contoured suture holes provide for significant reduction in suture wear<sup>2</sup>
- Six diameters available: 4, 6, 8, 10, 12, and 14mm
- Designed for cemented or uncemented applications





### Humeral Head Options

- Standard
- Offset
- EAS™ Extended Articular Surface
- Versa-Dial® Variable Offset
- Comprehensive® Reverse Primary or Conversion

### Internal Positioning Sleeve

- Completely internal design
- Eliminates need for external height jig which can interfere with range of motion assessment
- Sleeve secures trial and prosthesis at desired height
- Allows for intraoperative stem height adjustability



## References

1. David Dines, M.D., Orthopedic Surgeon, Long Island Jewish Hospital, personal interview, June 11, 2003.
2. Data on file at Biomet. Bench test results are not necessarily indicative of clinical performance.

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