Zimmer® Trabecular Metal™ Humeral Stem

Enabling fracture healing

zimmer

Simplify the puzzle

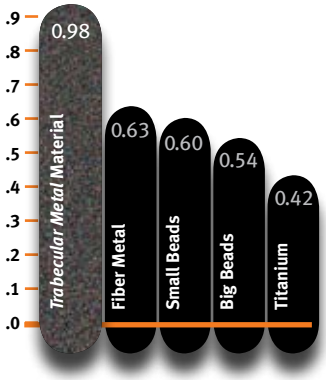
The *Zimmer*® *Trabecular Metal*™ Humeral Stem provides initial stability and is designed to provide long-term fixation, enabling the healing of challenging fracture cases.

Stable initial tuberosity fixation

- Exceptional initial fixation[1]
- High coefficient of friction between *Trabecular Metal* Material and cancellous bone

Coefficient of Friction

High Friction Implant Stability



Trabecular Metal Technology construct provides better friction against bone when compared to alternative technologies, which increases implant stability.[1,2]

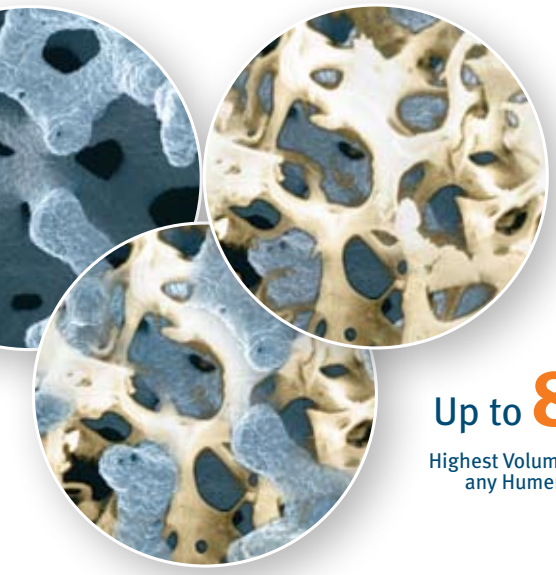
0.98

Coefficient of Friction

For non-machined surfaces. Reduces risk of early implant motion[1]

Trabecular Metal Material supports biologic ingrowth to facilitate fracture healing

- Enables vascularization at the fracture site
- Maximizes bone and soft-tissue ingrowth[2,3]
- More normal bone remodeling



Up to **80%**

Highest Volume of Porosity of any Humeral Stem[2,3,4]

Flexibility to reconstruct the anatomical center of rotation and restore normal joint kinematics

- Multiple neck angles and head options to optimize anatomical reconstruction in 95% of patients[5]
- Instrumentation ensures proper stem height and version

Stable initial tuberosity fixation

***Trabecular Metal* Material supports biologic ingrowth to facilitate fracture healing**

Flexibility to reconstruct the anatomical center of rotation and restore normal joint kinematics

References

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4. Barbella, M., Materials marvels: titanium is a top choice for implants, but other materials are gaining popularity, *Orthopedic Design & Technology*, September 1, 2008
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