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

<table>
<thead>
<tr>
<th>Material</th>
<th>Coefficient of Friction</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trabecular Metal Material</td>
<td>0.98</td>
</tr>
<tr>
<td>Fiber Metal</td>
<td>0.63</td>
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<tr>
<td>Small Beads</td>
<td>0.60</td>
</tr>
<tr>
<td>Big Beads</td>
<td>0.54</td>
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<tr>
<td>Titanium</td>
<td>0.42</td>
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</tbody>
</table>

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
- More normal bone remodeling

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
- Instrumentation ensures proper stem height and version

Up to 80%
Highest Volume of Porosity of any Humeral Stem
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
4. Barbella, M., Materials marvels: titanium is a top choice for implants, but other materials are gaining popularity, *Orthopedic Design & Technology*, September 1, 2008

Contact your Zimmer representative or visit us at www.zimmer.com