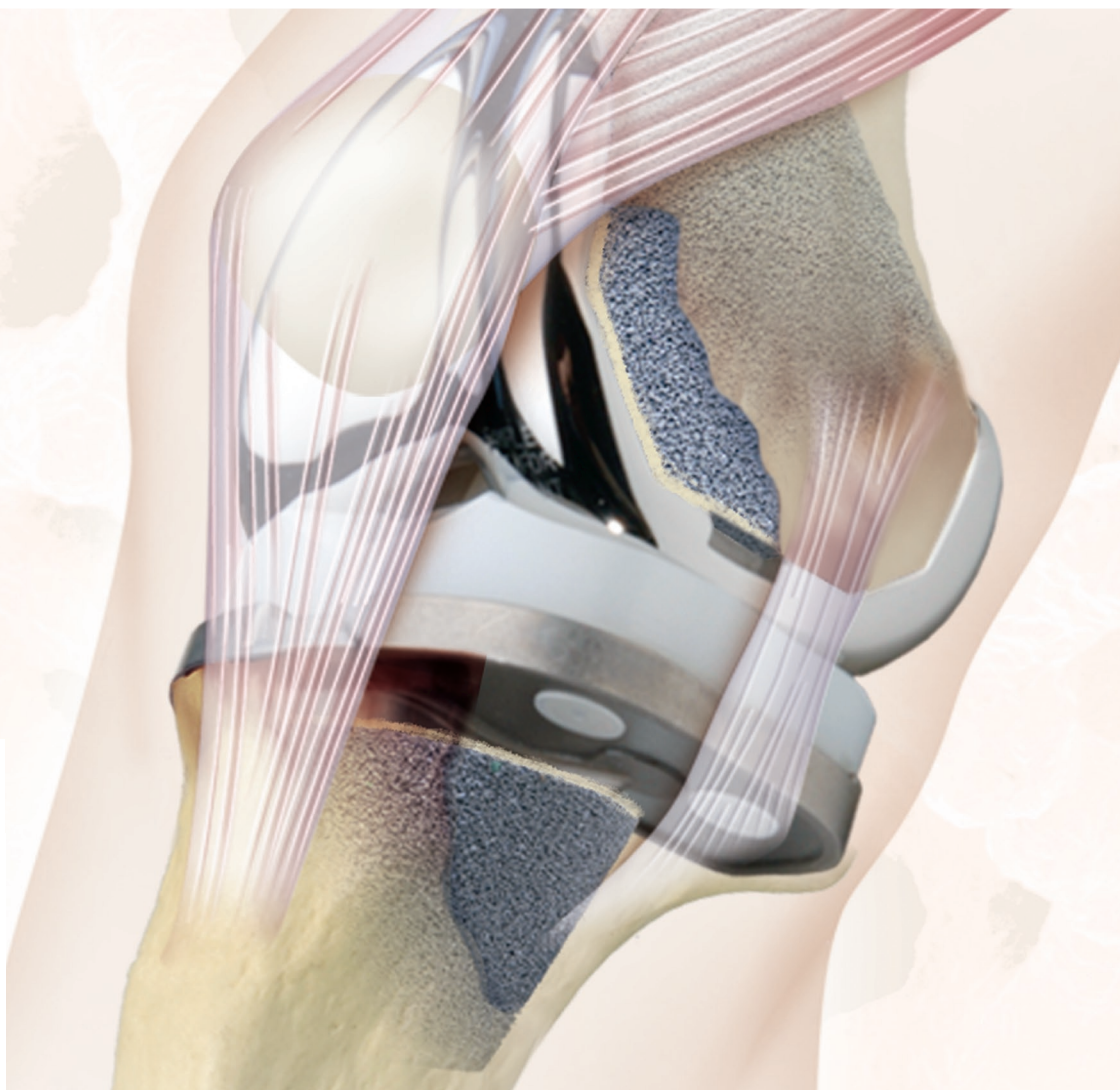




**Zimmer®  
Trabecular Metal™  
Femoral and  
Tibial Cone  
Augments**



**An Optimal Combination of Material and Design  
For Revision and Salvage TKA**

# An Optimal Combination of Material & Design – The Best Thing Next to Bone™

*Trabecular Metal*™ material resembles trabecular bone in its cellular structure and elastic characteristics. By approximating the mechanical and physical properties of bone, *Trabecular Metal* material enables rapid and extensive bone infiltration.<sup>1,2</sup>

*Trabecular Metal* Tibial and Femoral Cone Augments provide reliable structural replacement of bone to meet your most challenging cases.

Clinical experience in over 200,000 cases has proven the versatility of *Trabecular Metal* Technology in numerous orthopaedic applications.<sup>3</sup>



*Trabecular Metal*  
Cone Augments

## Introducing an Innovative Revision Option<sup>3</sup>

The *Trabecular Metal* Femoral/Tibial Cone Augments are designed to fill large cavitory bone defects and provide a stable platform for femoral and/or tibial articulating components.

The tapered shape is designed to mimic the endosteal surface of the distal femur and proximal tibia to reinforce damaged bone. The Femoral Cone Augment is designed to assist in reconstruction and rotational alignment of the construct. An asymmetric design addresses the anatomic axis of the femur, the tibial cup is axisymmetric.

**Note:** These cones are limited to use with *NexGen* Complete Knee Solution, *Legacy*® LCKK, and Rotating Hinge Knees. When used with the Rotating Hinge Knee System, the *Trabecular Metal* Cone Augments are for cemented use only.



### 80% Average Porosity

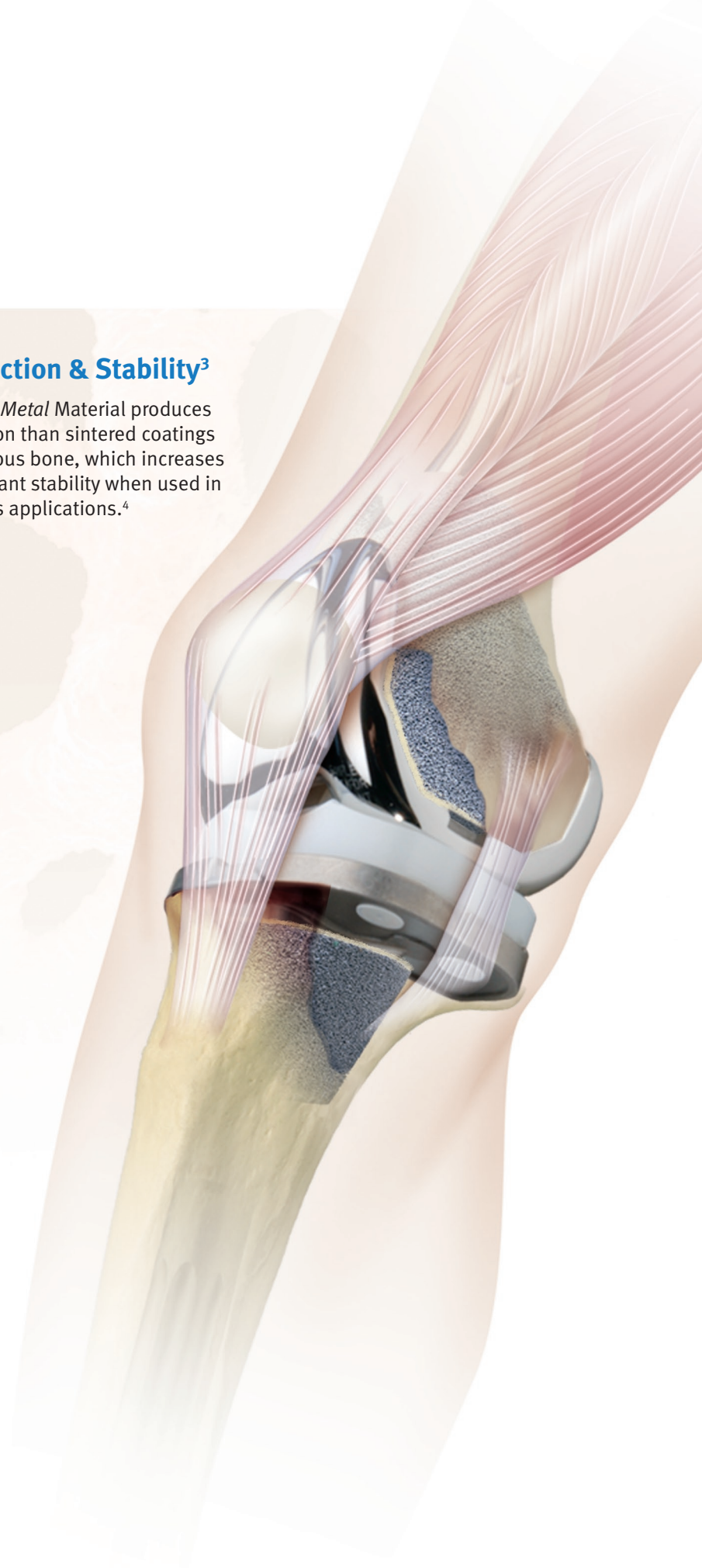
Fully interconnected pores and 80% average porosity resembling cancellous bone are designed to allow approximately two to three times greater bone ingrowth and remodeling.<sup>1</sup>

### Bone Matched Elasticity

*Trabecular Metal* material is one of the only metals used in orthopaedics with elasticity similar to bone. The material's high strength-to-weight ratio and low modulus of elasticity provides more normal physiologic loading and the potential for stress shielding.

### High Friction & Stability<sup>3</sup>

*Trabecular Metal* Material produces more friction than sintered coatings on cancellous bone, which increases initial implant stability when used in cementless applications.<sup>4</sup>



# Trabecular Metal Femoral Ordering Information

## Trabecular Metal Femoral Cone Augment Provisionals

Prod. No.	Description
<b>00-5979-013-00</b>	<i>Trabecular Metal Femoral Cone Instr/Prov Kit</i>
00-5451-012-31	<i>Trabecular Metal Cone Augment Prov Small - 30mm Left</i>
00-5451-012-32	<i>Trabecular Metal Cone Augment Prov Small - 30mm Right</i>
00-5451-012-43	<i>Trabecular Metal Cone Augment Prov Small - 40mm Left</i>
00-5451-012-44	<i>Trabecular Metal Cone Augment Prov Small - 40mm Right</i>
00-5451-012-53	<i>Trabecular Metal Cone Augment Prov Small - 50mm Left</i>
00-5451-012-54	<i>Trabecular Metal Cone Augment Prov Small - 50mm Right</i>
00-5451-014-31	<i>Trabecular Metal Cone Augment Prov Med - 30mm Left</i>
00-5451-014-32	<i>Trabecular Metal Cone Augment Prov Med - 30mm Right</i>
00-5451-014-43	<i>Trabecular Metal Cone Augment Prov Med - 40mm Left</i>
00-5451-014-44	<i>Trabecular Metal Cone Augment Prov Med - 40mm Right</i>
00-5451-014-53	<i>Trabecular Metal Cone Augment Prov Med - 50mm Left</i>
00-5451-014-54	<i>Trabecular Metal Cone Augment Prov Med - 50mm Right</i>
00-5451-015-31	<i>Trabecular Metal Cone Augment Prov Large - 30mm Left</i>
00-5451-015-32	<i>Trabecular Metal Cone Augment Prov Large - 30mm Right</i>
00-5451-015-43	<i>Trabecular Metal Cone Augment Prov Large - 40mm Left</i>
00-5451-015-44	<i>Trabecular Metal Cone Augment Prov Large - 40mm Right</i>
00-5451-015-53	<i>Trabecular Metal Cone Augment Prov Large - 50mm Left</i>
00-5451-015-54	<i>Trabecular Metal Cone Augment Prov Large - 50mm Right</i>

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## Trabecular Metal Femoral Cone Augment Instruments

Prod. No.	Description
00-5451-007-00	<i>Trabecular Metal Femoral Impactor (Fits all sizes)</i>
00-5451-002-00	<i>Impactor Handle (Same as Tibial Cone Handle)</i>
00-5451-006-00	<i>Provisional Cone Removal Tool</i>
00-5451-090-00	<i>Case</i>

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# Trabecular Metal Femoral Ordering Information

Trabecular Metal Femoral Cone Augments	
Prod. No.	Description
00-5450-003-00	Full Implant Kit
00-5450-012-31	Trabecular Metal Cone Augment Small - 30mm Left
00-5450-012-32	Trabecular Metal Cone Augment Small - 30mm Right
00-5450-012-43	Trabecular Metal Cone Augment Small - 40mm Left
00-5450-012-44	Trabecular Metal Cone Augment Small - 40mm Right
00-5450-012-53	Trabecular Metal Cone Augment Small - 50mm Left
00-5450-012-54	Trabecular Metal Cone Augment Small - 50mm Right
00-5450-014-31	Trabecular Metal Cone Augment Med - 30mm Left
00-5450-014-32	Trabecular Metal Cone Augment Med - 30mm Right
00-5450-014-43	Trabecular Metal Cone Augment Med - 40mm Left
00-5450-014-44	Trabecular Metal Cone Augment Med - 40mm Right
00-5450-014-53	Trabecular Metal Cone Augment Med - 50mm Left
00-5450-014-54	Trabecular Metal Cone Augment Med - 50mm Right
00-5450-015-31	Trabecular Metal Cone Augment Large - 30mm Left
00-5450-015-32	Trabecular Metal Cone Augment Large - 30mm Right
00-5450-015-43	Trabecular Metal Cone Augment Large - 40mm Left
00-5450-015-44	Trabecular Metal Cone Augment Large - 40mm Right
00-5450-015-53	Trabecular Metal Cone Augment Large - 50mm Left
00-5450-015-54	Trabecular Metal Cone Augment Large - 50mm Right



Size	M/L		
	30mm	40mm	50mm
Small	44.2mm	51.1mm	57.4mm
Medium	50.5mm	58.4mm	60.7mm
Large	56.9mm	63.0mm	65.0mm

Size	A/P		
	30mm	40mm	50mm
Small	25.9mm	31.2mm	31.2mm
Medium	30.5mm	36.6mm	36.6mm
Large	36.3mm	40.4mm	40.4mm

# Trabecular Metal Tibial Ordering Information

## Trabecular Metal Tibial Cone Implants

Prod. No.	Description
<b>00-5450-001-00</b>	<b>Full Implant Kit</b>
00-5450-048-01	<i>Trabecular Metal Cone</i> Size 48-15mm Full, Extra Small
00-5450-052-01	<i>Trabecular Metal Cone</i> Size 52-15mm Full, Small
00-5450-059-01	<i>Trabecular Metal Cone</i> Size 59-15mm Full, Medium
00-5450-059-05	<i>Trabecular Metal Cone</i> Size 59-30mm Full, Medium
00-5450-059-20	<i>Trabecular Metal Cone</i> Size 59 Stepped, Medium, Height 30mm/15mm
00-5450-059-21	<i>Trabecular Metal Cone</i> Size 59 Stepped, Medium, Height 15mm/30mm
00-5450-067-01	<i>Trabecular Metal Cone</i> Size 67-15mm Full, Large
00-5450-067-05	<i>Trabecular Metal Cone</i> Size 67-30mm Full, Large
00-5450-067-20	<i>Trabecular Metal Cone</i> Size 67 Stepped, Large, Height 30mm/15mm
00-5450-067-21	<i>Trabecular Metal Cone</i> Size 67 Stepped, Large, Height 15mm/30mm

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Stepped Cone  
15mm/30mm

Stepped Cone  
30mm/15mm

Full Cone

## Trabecular Metal Tibial Cone Provisionals and Instruments

Prod. No.	Description
<b>00-5979-011-00</b>	<b>Full Instrument and Provisional Kit</b>
00-5451-048-01	<i>Trabecular Metal Cone Prov</i> Size 48-15mm Full, Extra Small
00-5451-052-01	<i>Trabecular Metal Cone Prov</i> Size 52-15mm Full, Small
00-5451-059-01	<i>Trabecular Metal Cone Prov</i> Size 59-15mm Full, Medium
00-5451-059-05	<i>Trabecular Metal Cone Prov</i> Size 59-30mm Full, Medium
00-5451-059-20	<i>Trabecular Metal Cone Prov</i> Size 59 Stepped, Medium, Height 30mm/15mm
00-5451-059-21	<i>Trabecular Metal Cone Prov</i> Size 59 Stepped, Medium, Height 15mm/30mm
00-5451-067-01	<i>Trabecular Metal Cone Prov</i> Size 67-15mm Full, Large
00-5451-067-05	<i>Trabecular Metal Cone Prov</i> Size 67-30mm Full, Large
00-5451-067-20	<i>Trabecular Metal Cone Prov</i> Size 67 Stepped, Large, Height 30mm/15mm
00-5451-067-21	<i>Trabecular Metal Cone Prov</i> Size 67 Stepped, Large, Height 15mm/30mm
00-5451-048-00	<i>Trabecular Metal Cone Impactor</i> , Size X-Small
00-5451-052-00	<i>Trabecular Metal Cone Impactor</i> , Size Small
00-5451-059-00	<i>Trabecular Metal Cone Impactor</i> , Size Medium
00-5451-067-00	<i>Trabecular Metal Cone Impactor</i> , Size Large
00-5451-001-00	Provisional Cone Removal Tool
00-5451-002-00	Impactor Handle (Fits all size Impactors)
00-5451-095-00	Case

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1. Bobyn JD, Stackpool G, Toh K-K, et al. Characteristics of bone ingrowth and interface mechanics of a new porous tantalum biomaterial. *J Bone Joint Surg.* 1999; 81-B:907-14.
2. Bobyn JD, Hacking SA, Chan SP, et al. Characterization of a new porous tantalum biomaterial for reconstructive orthopaedics. Scientific exhibit, Proc of AAOS, Anaheim CA, 1999.
3. Fitzpatrick D, Ahn P, Brown T, et al. Friction coefficients of porous tantalum and cancellous and cortical bone. Proc 21st Ann Amer Soc Biomechanics. Clemson SC, 1997.
4. Data of file at Zimmer.

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