

Vanguard Tibial Bearings

Vanguard Tibial Bearings are available in ArCom® Direct Compression Molded (DCM) Polyethylene and E1™ Antioxidant Infused Technology. ArCom Polyethylene is clinically proven to be resistant to wear, delamination, and oxidation.¹⁻⁴

E1 Antioxidant Infused Bearings, founded on ArCom heritage, are infused with Vitamin-E, a natural antioxidant. E1 Technology defines a new class of tibial bearings and overcomes the limitations of remelted and annealed polyethylenes by uniting true oxidative stability, high mechanical strength, and ultra-low wear.^{5,6}



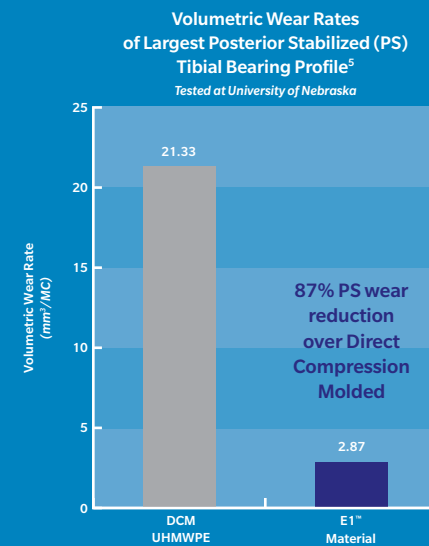
Posterior Stabilized

- No varus/valgus constraint
- 15 degrees internal/external rotation



Posterior Stabilized Plus

- 2 degrees varus/valgus constraint
- +/- 2 degrees internal/external rotation



References

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3. Beading, L. Polyethylene-Related Failure: A Challenge to TKA. *Orthopedics Today*. 16-21, 1996.
4. Ritter, M. et al. Long-Term Survival Analysis of a Posterior Cruciate-Retaining Total Condylar Total Knee Arthroplasty. *Clinical Orthopaedics and Related Research*. 309: 136-145, 1994.
5. Data on file at Biomet. Bench test results not necessarily indicative of clinical performance.
6. Kurtz, S. et al. *The UHMWPE Handbook: Ultra High Molecular Weight Polyethylene in Total Joint Replacement*. Elsevier Academic Press. San Diego, CA. 2004.
7. Parks, N. et al. Modular Tibial Insert Micromotion. *Clinical Orthopaedics and Related Research*. 356: 10-15, 1998.
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9. Incavo, S. et al. Tibial Plateau Coverage in Total Knee Arthroplasty. *Clinical Orthopaedics and Related Research*. 299: 81-85, 1994.

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BOI0263.2-REV0616

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Vanguard® Posterior Stabilized Knee

Brochure

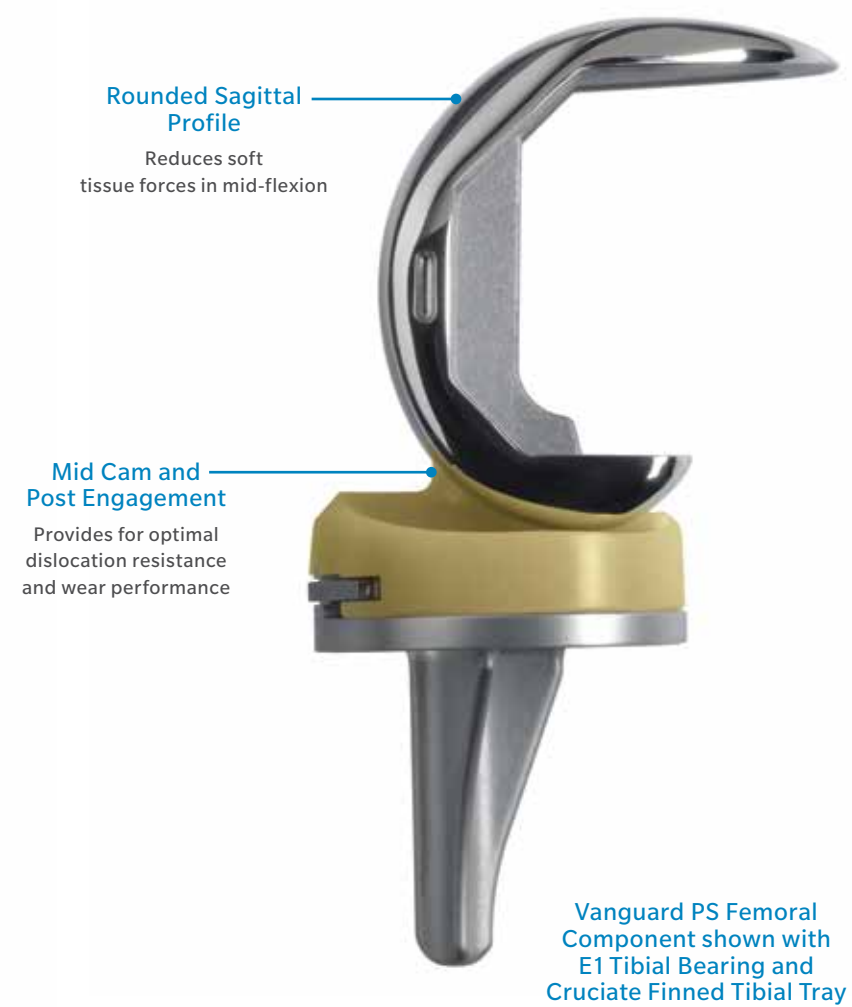


Vanguard Posterior Stabilized Knee | Brochure

The Vanguard Knee System offers **surgical simplicity** with complete component interchangeability.



*within 0-15 degrees of Q-angle



Additional Features of the Vanguard PS Design:

- 10 femoral components that grow anterior/posterior on average by 2.4 mm increments
- 1:1 tibial/femoral coronal congruency
- PPS® Porous Plasma Spray coating for cementless or Interlok® Finish for cemented applications
- Available in open and closed box designs

Zimmer Biomet Tibial Tray

The Vanguard Complete Knee System features a symmetrical tibial tray design for optimal coverage, ArCom and E1 Tibial Bearings for proven wear resistance, and a proven locking mechanism shown to be "the most stable overall."^{7,8} Zimmer Biomet Tibial Trays are available with Interlok Finish for cemented applications or Regenerex Porous Titanium Construct to enhance bone fixation in cementless applications.

