

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



References

1. Haider, H. Constraint Testing of the Biomet Vanguard AS and CR-L Knee Replacement Systems. University of Nebraska Medical Center, July 2005.
2. Furman, B. et al. "Effect of Resin Type and Manufacturing Method on UHMWPE Oxidation and Quality at Long Aging and Implant Times." 43rd Annual Meeting, Orthopaedic Research Society, San Francisco, CA, Feb. 9-13, 2001.
3. Beading, L. "Direct Molded Components Shown to Resist Oxidation." *Orthopedics Today*. 17(4), 1997.
4. Beading, L. "Polyethylene-Related Failure: A Challenge to TKA." *Orthopedics Today*. 16-21, July, 1996.
5. Parks, N. et al. "Modular Tibial Insert Micromotion: A Concern With Contemporary Knee Implants." *Clinical Orthopaedics and Related Research*. 356: 10-15, 1998.
6. Meding, J. et al. "Total Knee Arthroplasty with 4.4 mm of Tibial Polyethylene." *Clinical Orthopaedics and Related Research*. 388: 112-17, 2001.
7. Bartel, D. et al. "The Effect of Conformity, Thickness, and Material on Stresses on Ultra-High Molecular Weight Components for Total Joint Replacement." *Journal of Bone and Joint Surgery*. 68-A (7): 1041-51, 1986.
8. Incavo, S. et al. "Tibial Plateau Coverage in Total Knee Arthroplasty." *Clinical Orthopaedics and Related Research*. 299: 81-85, 1994.

All trademarks belong to Zimmer Biomet.

This material is intended for the sole use and benefit of the Zimmer Biomet sales force and physicians. It is not to be redistributed, duplicated, or disclosed without the express written consent of Zimmer Biomet.

For product information, including indications, contraindications, warnings, precautions, and potential adverse effects, see the package insert and Zimmer Biomet's website.

©2016 Zimmer Biomet



BIO0266.2-REV0616

Legal Manufacturer
Zimmer, Inc.
1800 West Center Street
Warsaw, IN 46581-0708
USA

zimmerbiomet.com

Vanguard® Anterior Stabilized Knee

Brochure



Vanguard Anterior Stabilized Knee | Brochure

Anterior Stabilized Tibial Bearing Advantages

- Designed to be used with the Vanguard Cruciate Retaining Femoral Component
- Bone conserving PCL sacrificing design
- Eliminates the need to cut out a PS box
- Designed to allow high flexion
- Offers surgical intraoperative flexibility
- Direct Compression Molded polyethylene

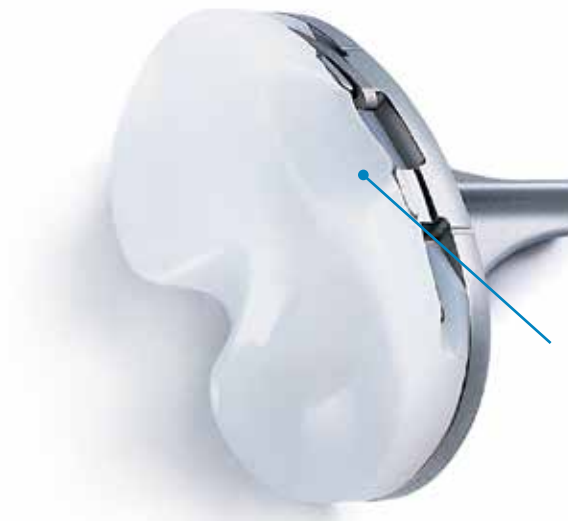
Prominent Anterior Lip
Aids in the prevention of anterior femoral subluxation



Increased Contact Area
Reduces the stress in the polyethylene^{1,7}

Optimized Tibiofemoral Articulation
Range of motion up to 145 degrees

Highly Congruent Articulating Surface
Increases rotational stability¹



Patella Tendon Relief
Facilitates increased range of motion

CR Bearing options:



Standard CR Bearing
(3 degree posterior slope)



CR Lipped Bearing
(no slope)



Anterior Stabilized Bearing
(no slope)

Tibial Bearings

Vanguard Tibial Bearings* are Direct Compression Molded to minimize the potential for wear, oxidative breakdown, and delamination. Tibial bearings are gamma irradiated in an inert environment, which has been clinically shown to decrease wear, delamination, and oxidation.²⁻⁴



Direct Compression Molded ArCom Polyethylene
Provides proven wear resistance⁶

Optimal Sizing Rationale
Nine plate sizes available⁸

Compressively Loaded Tibial Locking Mechanism⁵

*Not applicable to custom products.