



DISCOVERY[®] ELBOW SYSTEM

BIOMET[®]
ORTHOPEDICS

KNEES • HIPS • EXTREMITIES • CEMENT AND ACCESSORIES • PMI • TECHNOLOGY

DISCOVERY® ELBOW SYSTEM

Designed to **reproduce anatomy**
and
restore mechanics



Exclusive Bearing Design

- **Spherical Hinge**
Reduces wear by providing increased articular surface contact area between the humeral and ulnar components, as well as varus/valgus laxity of 7 degrees
- **Optimized Hinge Size**
Addresses individual anatomy by allowing any humeral component to be used with any ulnar component
- **Posterior Hinge**
Unique design allows for assembly or disassembly without compromising either epicondyle



Enhanced Ulnar Positioning

- **Neck Angle**
23 degree anterior neck angle of stem allows for anatomic axis of motion
- **Polyethylene Offset and Lateral Bow**
Provide for reproduced anatomy
- **ArCom® Polyethylene**
Clinically proven to reduce the possibility of stress hemi-delamination and early polyethylene failure^{2,3}



Anatomic Humeral Stem

- **Bowed Stem**
Offset laterally 5 degrees and internally rotated 5 degrees to reproduce anatomy
- **Cylindrical Base**
Bone preserving design minimizes stress risers at the supracondylar columns¹
- **Anterior Flange**
Leads to enhanced rotational stability and helps prevent posterior subluxation

References

1. Figgie, M.P. . Total Elbow Arthroplasty. Total Joint Replacement. 659–706, 1991.
2. Won, C.H. . Effect of Resin Type and Manufacturing Method on Wear of Polyethylene Tibial Components. *C* . 376: 161–71, 2000.
3. Currier, B.H. . Effect of Fabrication Method and Resin Type on Performance of Tibial Bearings. *J B* . 53(2): 143–51, 2000.

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