

**CERAMYS™**

# CERAMIC FEMORAL HEAD SYSTEM



## SPECIFICALLY DESIGNED FOR ORTHOPEDICS

Ceramys™ ceramic heads are manufactured using alumina toughened zirconia, an optimized mix of the materials currently used in ceramics. Material and mechanical properties were tested and compared against the industry standard, BIOLOX® delta.<sup>1</sup> In key tests, ceramys™ heads performed equivalently or better than BIOLOX® delta heads.<sup>2,3,4</sup> Additionally, ceramys™ ceramic heads have been in clinical use globally for 18 years, with 144,500 heads implanted and no fractures.<sup>5</sup>

### STRONG

- Superior fracture resistance with high burst and impact strength<sup>2,3</sup>
- Material composition supports improved liner wear rate<sup>4</sup>

### SIMPLE

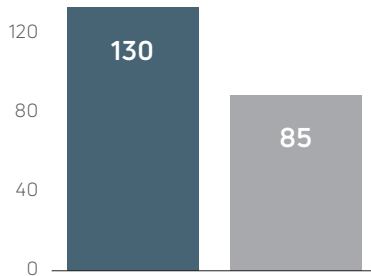
- No sleeves are needed on larger head sizes
- Confidently use larger, more stable heads without increased modularity

### TRUSTED

- Implanted for 18 years in 16 countries worldwide<sup>5</sup>
- Over 144k heads implanted and 0 failures due to fracture<sup>5</sup>

## KEY TESTING

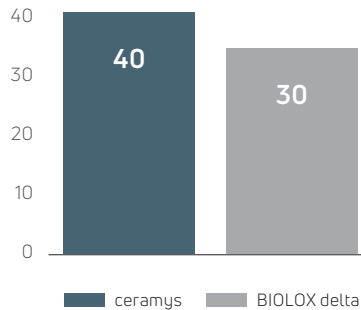
### BURST STRENGTH<sup>2</sup> (kN)



**53%**

**HIGHER BURST STRENGTH**  
than BIOLOX delta femoral heads

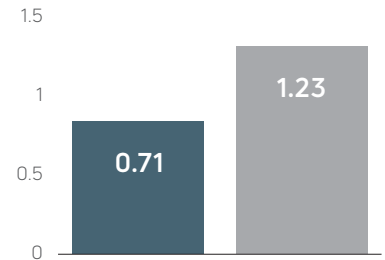
### IMPACT STRENGTH<sup>3</sup> (J)



**33%**

**HIGHER IMPACT STRENGTH**  
than BIOLOX delta femoral heads

### AVERAGE LINER WEAR RATE<sup>4</sup> (mg/Mc)



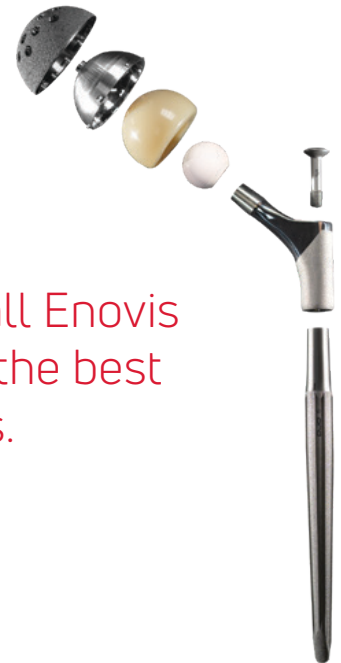
**42%**

**LOWER LINER WEAR RATE**  
than BIOLOX delta femoral heads



**A full array of options  
for primary or revision THA.**

Ceramys<sup>™</sup> heads are compatible with all Enovis Hip Systems for the flexibility to find the best configuration for your patients.



**enovis<sup>™</sup>**

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Note: Surgeons will see a freshly sterilized head as having a pink/grey hue. However, after UV exposure these heads turn white (which is what you will see in your sample kit). This color change does not indicate material property change.<sup>5</sup>

#### References:

1. S. Begand, W. Glien, & T. Oberbach. (2005). ATZ – A New Material with a High Potential in Joint Replacement. Key Engineering Materials, 284-286, 983-986. <https://doi.org/10.4028/www.scientific.net/KEM.284-286.983>
2. Data on file. Enovis Surgical Test Reports #PR22-010-01 and #PR22-013-01.
3. Data on file. Enovis Surgical Test Report #PR23-043-01.
4. Data on file. Enovis Surgical Test Report #PR22-015-01.
5. Data on file. Enovis Surgical MEMO-HIPO44-003.
6. Data on file. Enovis Surgical MEMO-HIPO44-002.

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