NOVATION®
Comprehensive Hip System

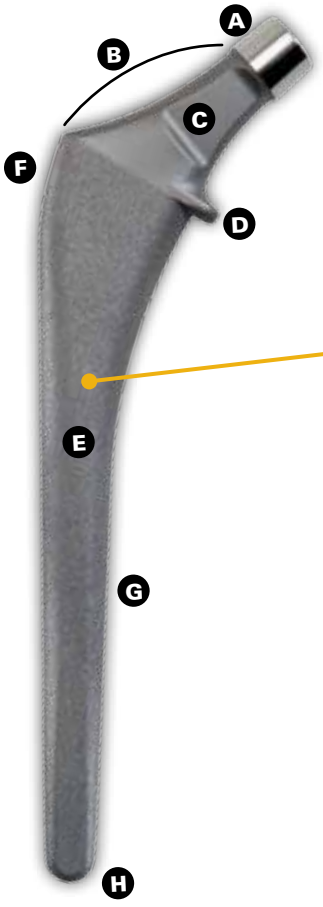
**CFS™ —**
**Core Femoral System**

*RENEWING INNOVATIONS.*
*ENDURING SOLUTIONS.*

Exactech®

# Novation® CFS™

The Novation® CFS™ Femoral Stems are designed to provide surgeons with excellent initial fixation and long-term stability when paired with the core instruments that support Novation Tapered and Splined preparation. This allows for simple preparation and ease of intra-operative transition to a low-demand stem should the need arise.




## Novation CFS Universal Features

A. Cobalt Chrome and Ziramic™ Zirconia 12/14 femoral heads in varying sizes provide optimal range of motion and enhanced intra-operative flexibility

B. 131-degree neck angle designed to predictably restore normal anatomy

C. Neck cross-section is minimized on the medial aspect to increase range of motion, decreasing the chance of post-operative dislocation, while material on the lateral side is maintained for strength

D. Available in Collared (Standard Offset) only.

## Novation CFS Press-Fit (Sizes 9-18mm)

E. Grit blast titanium surface provides bone on-growth and long-term stem stability[1]

F. Trapezoidal cross-section to provide rotational stability, proximal fit and A/P fill[2]

G. Shortened overall length, with 3-degree taper in the M/L and a 5-degree taper in the A/P plane, allowing for three-point fixation

H. Patented distal tip design reduces stress concentration at the distal stem and bone interface, which has been shown to reduce the incidence of thigh pain.[3,4]

## Novation CFS Cemented (Sizes 10-15mm, 17mm)

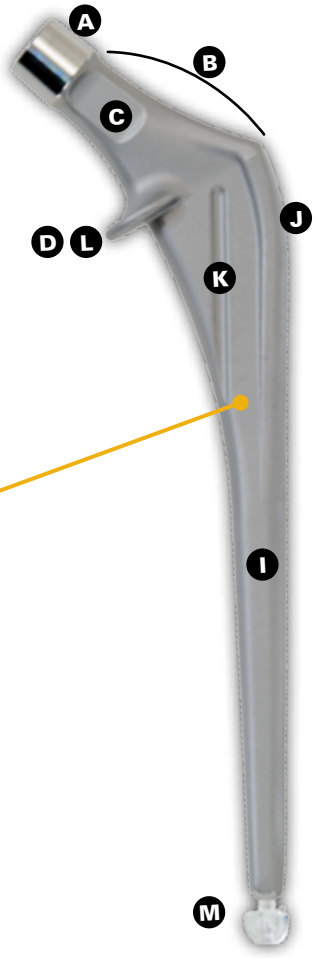
I. Matte finish optimizes stem/cement interface[2]

J. Cobra flange reduces tensile cement stresses and enhances stem stability and cement performance[2]

K. Cement groove reduces tensile stresses in cement[2]

L. Medial calcar collar enhances cement pressurization and distributes stress in the bone and on the calcar[2]

M. Distal Centralizer positions the stem centrally within the femoral canal resulting in an even cement mantle.




*Novation CFS Quick Kit Instruments (simplified for femoral insertion only) available upon request.*

References


1. Data on file at Exactech. TR-2009-023: Clinical evaluation of the Exactech hip systems femoral stems.
2. **Petty W.** Results of primary total hip arthroplasty. In: *Total joint replacement*. Ed. by W. Petty. Philadelphia, W.B. Saunders Co., 1991, p. 315-48.
3. U.S. Patent #5,152,799.
4. **Englehardt JA, Tomaszwski PR.** Hip stem and tip geometry a theoretical model for thigh pain. Proceedings of the37th Annual Meeting of the Orthopaedic Research Society. 1991, p. 270.

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