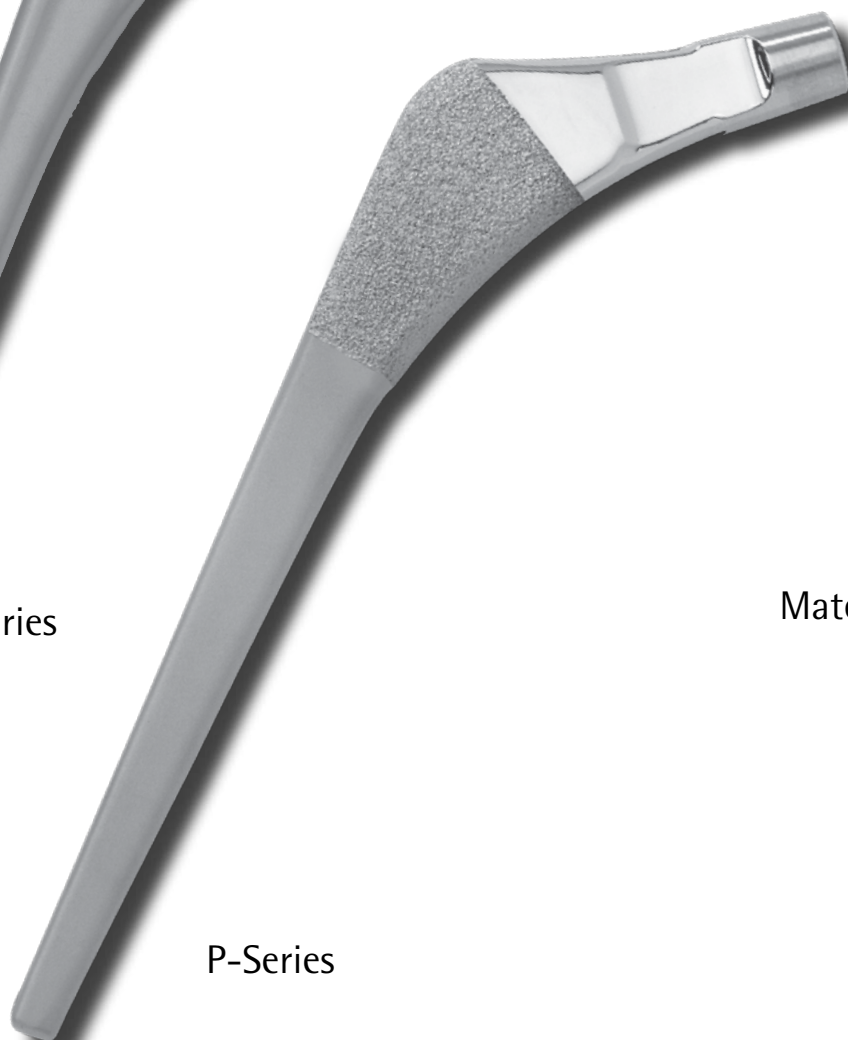


Primary Femoral Stems



C-Series



P-Series

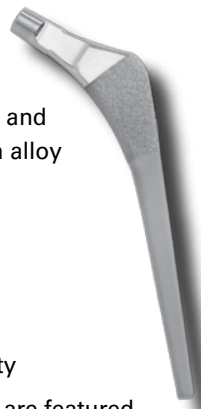
An Accurate  
Match Every Time

# Primary Femoral Stems

The AcuMatch® Integrated Hip System provides for intraoperative flexibility, allowing the surgeon to implant a press fit or cemented stem with one simple set of instrumentation.

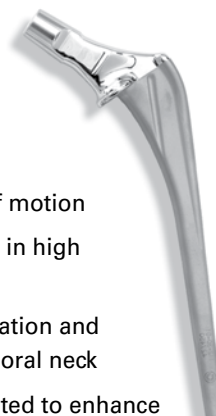
## ACUMATCH P-SERIES Press Fit Femoral Stem

- Proprietary materials increase fatigue strength and mechanical properties of the standard titanium alloy (ASTM F136)
- Neck geometry increases range of motion
- Two offset offerings provide an offset range of 34mm–60mm
- Trapezoidal shape maximizes rotational stability
- Longitudinal channels on the larger sizes (3–7) are featured on all sides of the distal stem to reduce stiffness and more closely match the modulus of elasticity of bone
- Unique patented distal tip allows for a smooth, uniform transfer of stress resulting in a low incidence of thigh pain



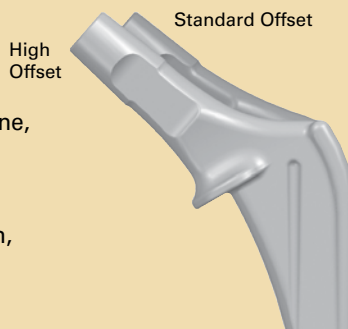
## ACUMATCH C-SERIES Cemented Femoral Stem

- Forged cobalt chrome maximizes fatigue strength
- Neck geometry increases range of motion
- Polished neck maximizes strength in high stress area
- Collar enhances cement pressurization and stress transmission to medial femoral neck
- Cobra flange has been demonstrated to enhance stem stability
- Two offset offerings are designed to predictably restore normal anatomy



## TWO OFFSETS: *The Design Behind the Concept*

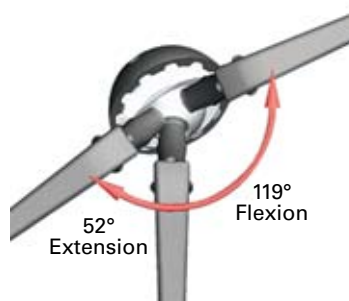
- 131° neck angle on both standard and high offset stems
- Collar is shifted medially along the collar plane, resulting in pure offset change with no change in leg length
- Two offsets provide appropriate lateralization, resulting in a more stable joint



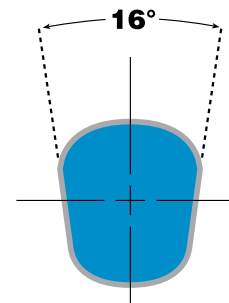
	Offset Ranges							
	-5 Head		+0 Head		+5 Head		+10 Head	
	LO	HI	LO	HI	LO	HI	LO	HI
Size 1	33.7	37.6	37.5	41.4	41.2	45.1	45.0	49.0
Size 2-5	37.4	44.5	41.2	48.3	45.0	52.1	48.8	55.9
Size 6	41.2	48.3	45.0	52.1	48.8	55.9	52.5	59.6

## RANGE OF MOTION

Dislocation is one of the most common post-operative complications of hip arthroplasty, making range of motion a critical feature in the design of total hip replacement prostheses. Both the C-Series and P-Series have precisely engineered neck geometries that decrease the neck cross section, resulting in improved range of motion and a 3.5 head-to-neck ratio when using a 28mm head.



Total Range of Motion with AcuMatch design: 171°\*  
\*Cup Position: 45° abduction, 20° anteversion



Neck cross section maximizes range of motion while maintaining strength.

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