



 **smith&nephew**  
**ECHELON<sup>®</sup>**  
Porous Plus HA

Proven philosophy, distinctive design



Extensively porous-coated cylindrical stems have demonstrated excellent long-term clinical results in revision hip arthroplasty. ECHELON® Porous Plus HA combines a proven philosophy with distinctive design features for a superior combination of fixation, range of motion, versatility and simplicity.

## Fixation

### HA on Porous Coating

The ECHELON Porous Plus HA prosthesis is a fully porous-coated stem. Subsequently, a 50 micron hydroxyapatite layer is then applied onto the porous surface.



The porous coating and HA layer are extended to the polished distal tip. This provides 4 cm – 6 cm of contact between the diaphyseal bone and porous coating to optimize fixation and stability.<sup>1</sup>

In revision situations, bridging the gaps between host bone and the implant is both challenging and essential for fixation.

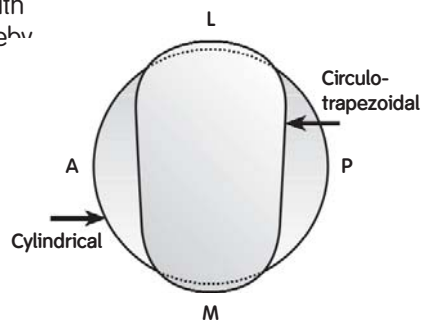
## Range of Motion

### Circulo-trapezoidal Neck

Provides maximum ROM with minimal impingement, thereby reducing the risk of dislocation and wear.

### Optimum Taper Design

The 12/14 taper is optimized to avoid impingement on the cup and maximize ROM.



## Versatility

### Addressing Proximal Defects

Stems are available with standard collar and 15 mm calcar platforms.

### Progressive Offset and Sizing

Stem sizes range from 11 mm – 20 mm in 1 mm increments for improved canal fill and fixation. Femoral component offset progressively increases with increasing implant size. Offset ranges from 38 mm – 62 mm depending on the femoral head size chosen.



## Simplicity

### Simple Instrumentation and Technique

Instrumentation enhances a straightforward surgical technique, which optimizes OR efficiency and reproducible results.

### Insertion Simplicity

The stem inserter threads into the implant to provide rotational control.



<sup>1</sup>Paprosky, Wayne G., M.D., FACS, and Bennett, R. Stephen J., M.D., FRCS(C), *Extensively Porous-Coated Femoral Stems in Revision Hip Arthroplasty: Rationale and Results*.