TaperFill® Tri-Taper™ Hip System
a Short Stem Optimized
**TaperFill® Tri-Taper™ Hip System**

**System Overview**
- Ti Alloy material
- 14 stem sizes
- 135° neck angle
- Broach only system
- ~30 mm reduced stem lengths vs. the Linear® Hip stem
- P² proximal porous coating

**Standard and Offset options**
Direct lateralization of the neck allows for increased stability without increased leg-length

**Data Driven Tri-Taper™ Design**
Anthropomorphic data, constructed from CT scans of male and female femurs, was used to determine optimal stem design and AP growth. A 12 degree proximal taper (1) provides inherent fixation and rotational stability through increased surface area contact with cortical bone structures. A 4 degree distal taper (2) reduces the possibility of stress shielding and helps account for proximal/distal mismatch.

The ML taper (3) of the TaperFill™ stem is identical to DJO’s Linear® Hip stem which has demonstrated over 17 years of clinical success.
P², a new proprietary Titanium Porous coating by DJO Surgical, is the first porous porous coating in the world wherein the non-spherical bead itself is also porous – giving it its name, P-Squared (P²). Consisting of variability in pore sizes, very similar to a “lava rock” type of structure, P² aids in the apposition of bone for superior in-growth results.

**Advanced Bearing Surfaces**

TaperFill® is compatible with DJO’s advanced bearing surface options. HXe+ provides all the wear advantages of highly crosslinked UHMWPE without the reduction of material strength. HXe+ is a proprietary blended resin that neutralizes the negative effects of free radicals, negating the need to re-melt or anneal the material after cross-linking. Biolox Delta Ceramic heads are available in sizes up to 44mm.

*The Ideal Vitamin E blended polyethylene*