

Unipolar System

Surgical Protocol and Product Specifications



Unipolar System



Figure 1 Sizing the Acetabulum

Unipolar Surgical Technique

After removal of the femoral head, the head diameter can be measured to determine the appropriate size. Ligamentous structures and osteophytes that could limit the range of motion can then be removed from the acetabulum. The trial head can be placed on the trial handle and inserted into the acetabulum to determine fit (*Figure 1*). The proper size has been determined when the trial has a snug fit in the acetabulum.

Trial reduction, to determine fit and range of motion, can be performed with either the broach (*Figure 2*) or femoral implant (*Figure 3*) in place. On the Provident System, one bushing assembles on the femoral stem, and a separate bushing assembles on the broach. For all other hip stem systems, the trial bushing assembles onto the trial neck or the femoral stem. The bushings match the three unipolar neck lengths (X-short, Short or Special Order Long).



Figure 2 Trial Reduction on Broach



Figure 3 Trial Reduction on Implant



Figure 4 Unipolar Assembly

Once the neck length and head diameter have been determined, the unipolar head can be assembled on the stem (*Figure 4*). Insertion and final reduction of the hip can now be accomplished.

Unipolar System

Product Specifications

Features

- CoCr Bearing Surface
- 1mm Head Diameter Increments
- Multiple neck lengths available
- Compatible with all StelKast Hip Stems



Diameter (mm) / Neck Length (mm)		
X-Short (-5)	Short (+0)	Long (+7)
SC1401-41XS	SC1401-41S	<i>SC1401-41L</i>
SC1401-42XS	SC1401-42S	<i>SC1401-42L</i>
SC1401-43XS	SC1401-43S	<i>SC1401-43L</i>
SC1401-44XS	SC1401-44S	<i>SC1401-44L</i>
SC1401-45XS	SC1401-45S	<i>SC1401-45L</i>
SC1401-46XS	SC1401-46S	<i>SC1401-46L</i>
SC1401-47XS	SC1401-47S	<i>SC1401-47L</i>
SC1401-48XS	SC1401-48S	<i>SC1401-48L</i>
SC1401-49XS	SC1401-49S	<i>SC1401-49L</i>
SC1401-50XS	SC1401-50S	<i>SC1401-50L</i>
SC1401-51XS	SC1401-51S	<i>SC1401-51L</i>
SC1401-52XS	SC1401-52S	<i>SC1401-52L</i>
SC1401-53XS	SC1401-53S	<i>SC1401-53L</i>
SC1401-54XS	SC1401-54S	<i>SC1401-54L</i>
SC1401-55XS	SC1401-55S	<i>SC1401-55L</i>
<i>SC1401-58XS</i>	<i>SC1401-58S</i>	<i>SC1401-58L</i>
<i>SC1401-61XS</i>	<i>SC1401-61S</i>	<i>SC1401-61L</i>
<i>INDICATES SPECIAL ORDER</i>		

www.stelkast.com



200 Hidden Valley Road | McMurray, PA 15317
 phone: (724) 941-6368 | fax: (724) 941-5987 | www.stelkast.com