

Quadrilateral Socket

The quadrilateral socket is designed for transfemoral (above knee) amputees. The weight bearing in this socket is primarily on the ischium and the gluteal musculature (buttocks). This combination of bone and muscle rests on the posterior brim (back edge) of the socket which creates a wide seat parallel to the ground. This socket can be held in place on the residual limb with suction, a Silesian or TES belt, or by the use of a soft insert with a suspension locking mechanism. This design aids in ease of sitting and, in comparison to the ischial containment socket, is more successful on long, firm residual limbs.

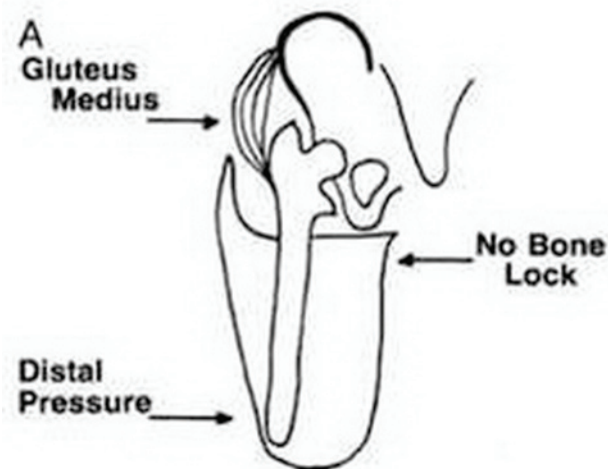


Image reprinted with permission from Instructional Course Lectures, vol. 39. American Academy of Orthopaedic Surgeons, 1990.

PROSTHETIC
LABORATORIES

Modern Technology. Traditional Values. Proven Techniques.