

BioStride Series

BIOQUEST

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Quality Control Alert!

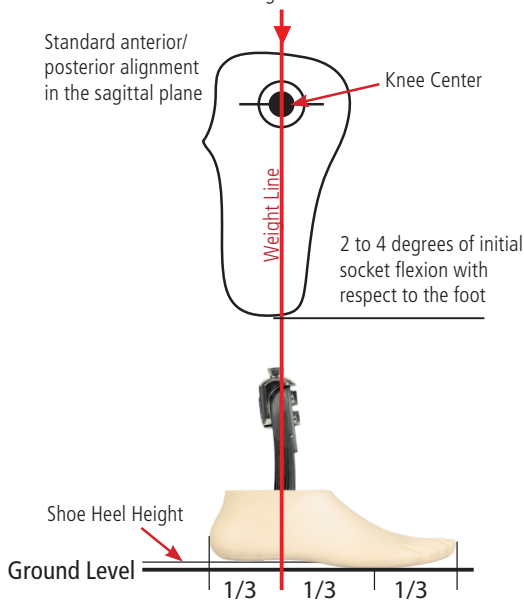
BioStride Series foot change on existing sockets.

Foot change on existing lower extremity sockets with traditional socket placement does not achieve proper BioStride Series alignment. Existing sockets with traditional socket placement should be realigned using an A-P, M-L slide component while following the BioStride Series recommended bench alignment instructions. Following these suggested procedures will do your patient a great service by assuring proper BioStride Series functional outcomes and achieving greater patient satisfaction.

-Bisect the lateral side of the socket and make a knee center reference mark. Use a plumb line to determine that the knee center mark is correctly positioned over the BioStride Series.

New and Existing Socket Bench Alignment

Initial Static Alignment Installation



Sagittal Plane Alignment



Frontal Plane
Socket Midline

The diagram shows a prosthetic leg assembly on a bench. A vertical red line runs through the center of the socket, shank, and foot. A horizontal black line passes through the center of the socket. A red arrow points to the vertical line at the top, and another red arrow points to the vertical line where it meets the shank. The shank is a black cylindrical component with three silver adjustment bolts. The foot is a grey, textured component at the bottom. The entire assembly is on a black horizontal line representing the ground.

Frontal Plane Alignment

The center line of the shank above the ankle area should be determined. A plum line should be used to indicate that the center line of the shank is vertical.

The center of the shank should be aligned to the frontal plane center line of the socket.

Standard medial/
lateral alignment in
the frontal plane

Vertical Shank
Midline Bench
Alignment

**Transfemoral Bench Alignment: Knee
Center over Ankle Joint Center**

Dynamic Alignment Recommendations

Transtibial Sagittal Plane

To improve plantarflexion (PF) slide socket (SKT) posterior or decrease socket flexion

To improve dorsiflexion (DF) slide SKT anterior or increase SKT flexion

Transfemoral Sagittal Plane

To improve PF slide foot keel posterior 1/8" and re-level proximal foot at heel height adjustment bolt