

# Adjustable Alignment Bracket



## Instructions

These instructions should be read prior to fabricating and fitting and should be followed to ensure the proper integration of the bracket into the prosthetic system. **Carefully follow all listed torque specifications.**

The Adjustable Alignment Bracket is designed to assist in the fitting and alignment of posteriorly mounted feet. The bracket allows for dynamic adjustment of height, inversion/eversion, and medial/lateral translation. It is for in-clinic fitting only; the Adjustable Alignment Bracket is not a permanent mounting solution, but rather a fitting tool.

The Adjustable Alignment Bracket is compatible with the Formula and Posterior Mount AllPro feet. Please see the specific foot manual for alignment details.

Once correct alignment is determined, the foot can be mounted with the Fillauer Posterior Mounting Bracket Kit (**180-10-2010**) or directly laminated to the socket.

## Product Specifications

Weight rating: 330 lbs. (150 kg)

Weight: 4.8 oz. (136 g)

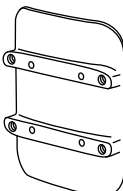

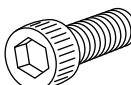

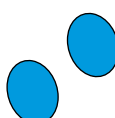
Dimensions: 4.0 × 3.3 × 1.8 in.  
(100 × 83 × 46.4 mm)

Socket offset distance: 0.16 in. (4 mm)

## Warranty

6 months from date of receipt

**Warranty is voided by alteration, misuse of product, or failure to comply with instructions.**

	Product Name	Quantity	Product Number
	Socket Plate	1	<b>180-30-4100</b>
	Pylon Clamp	1	<b>180-30-4150</b>
	Socket Head Screw	4	<b>100-30-2382</b>
	Set Screw	4	<b>100-30-2560</b>
	Socket Plate Stickers	10	<b>100-80-0180</b>

## Installation

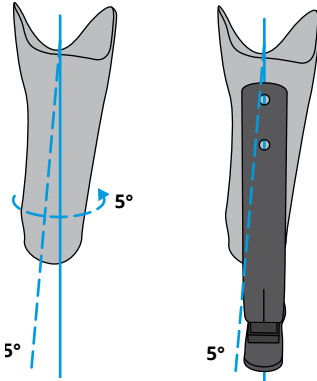
**Attention:** Deviating from the installation instructions or modifying the alignment bracket in any way will void any product warranty and could lead to product failure and injury to the patient.

### Initial Alignment

Use the following method to approximate the location of the socket plate on the posterior of the socket. It is recommended to begin with an existing distal mount prosthesis in order to approximate the alignment of the posterior mount foot on the new socket.

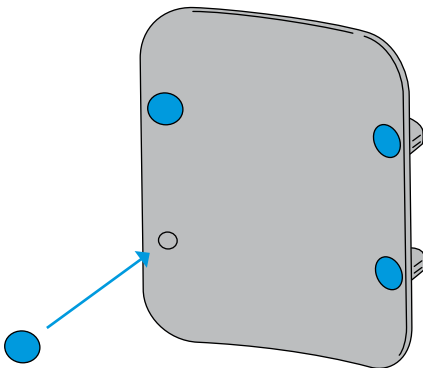
1. Trace the current prosthesis in the sagittal plane noting foot position and height of MPT to bottom of foot. If this is the patient's first prosthesis, it is recommended that a static alignment is done with an endoskeletal system and foot that can be replaced during dynamic alignment.
2. Place the new socket in the same position on the tracing.
3. Place the posterior mount foot in the same position as the current foot, noting that the posterior mount foot may have greater deflection upon static loading (standing).

- Trace position of new socket and posterior mount foot on paper using a different color.
- Observe the rotation of the foot, pylon M/L angle (lean) and pylon M/L position (inset) on the current prosthesis and approximate this position on the new socket by drawing a vertical line on the posterior of the new socket.



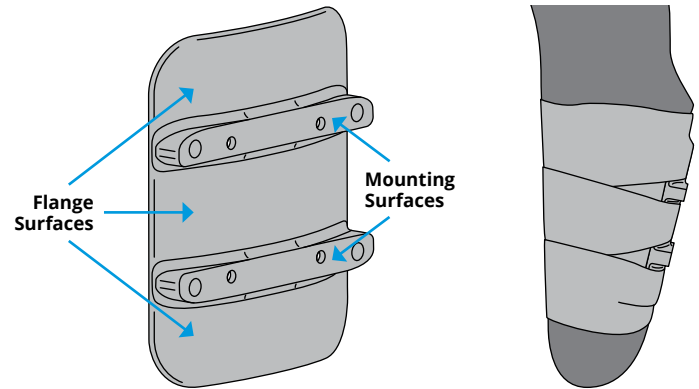
### Socket Plate Installation

- Determine the location of the Socket Plate on the socket that leaves at least 1 in. (25 mm) of carbon pylon proximal to the Pylon Clamp for adjustments.
- Place four circular stickers on the back side of Socket Plate so that all threaded holes are completely covered. This will prevent adhesive from migrating into threaded holes during mounting.



- Apply a liberal amount of Fabtech +PLUSeries® 60 Second Adhesive or similar to the rear surface of the Socket Plate and press onto socket at determined mounting location. Hold in place until adhesive has cured.

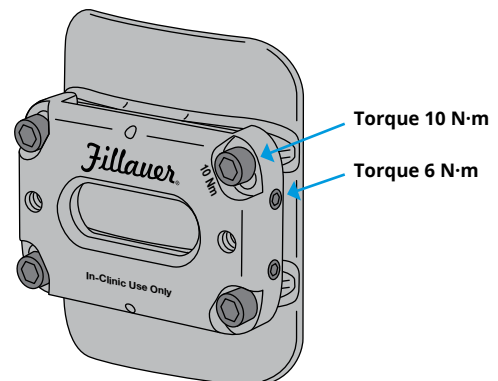
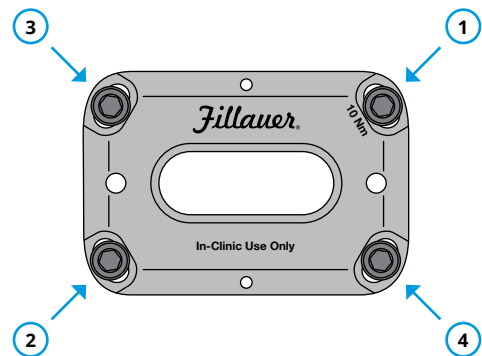
- Wrap fiberglass casting tape around the curved flange surfaces. Be sure that the casting tape does not stack up to be higher than the Socket Plate mounting surfaces. See finished product below.



### Final Alignment

- Using the supplied hardware, clamp the prosthetic foot to the Socket Plate with the Pylon Clamp. Insert Socket Head Screws through Pylon Clamp slots and thread into Socket Plate. Torque Socket Head Screws to 10 N·m in alternating diagonal order shown below. Tighten the four Set Screws on both sides of Pylon Clamp until they contact the foot and torque to 6 N·m.

**Warning: If incorrect length Socket Head Screws are used, the Socket Plate could be lifted off of the socket surface when screws are torqued. Only used supplied hardware with this product.**



2. Evaluate the patient's dynamic alignment. The following alignment changes can be made:

- Height adjustment
- Inversion/eversion, 4° from neutral (Pylon Clamp rotation)
- Medial/ lateral translation (Pylon Clamp Set Screw adjustment)

Follow the procedures below for each alignment change.

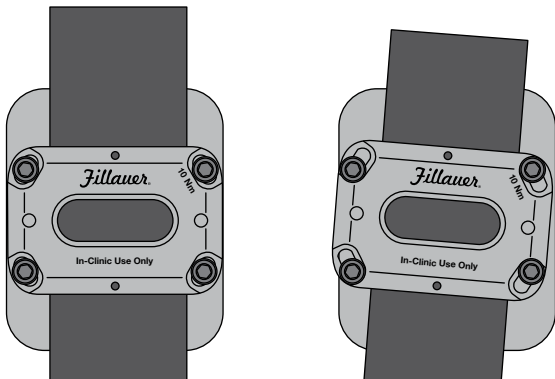
**Warning: Do not use any foreign material to shim or angulate the foot inside the Adjustable Alignment Bracket. This could cause the foot to slip in the assembly and result in injury to the patient.**

### Height Adjustment

To adjust the height of the prosthesis in the Adjustable Alignment Bracket, first mark the current position of the foot with a silver marker. Loosen both Set Screws on one side of the Pylon Clamp. Leave the two Set Screws on the other side in their positions to maintain foot alignment. Loosen all Socket Head Screws on the front face of the Pylon Clamp. Move foot to desired height. Tighten the two Set Screws against the foot and torque to 6 N·m. Torque all Socket Head Screws in alternating diagonal pattern to 10 N·m.

### Abduction/Adduction

To adjust the abduction/adduction angle of the prosthesis, first mark the current position of the foot with a silver marker. Loosen all Socket Head Screws on front of the Pylon Clamp. Rotate the foot and Pylon Clamp subassembly to the desired angle, and torque all Socket Head Screws in alternating diagonal pattern to 10 N·m.



### Medial/Lateral Translation

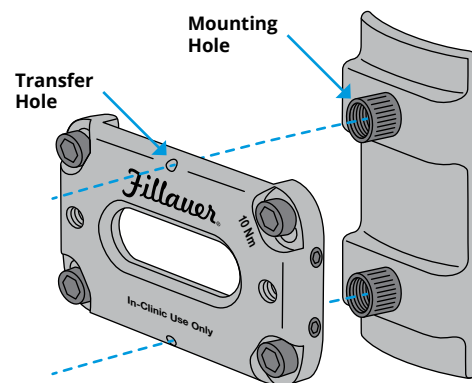
To adjust the medial/lateral position of the foot in the Adjustable Alignment Bracket, first mark the current position of the foot with a silver marker. Loosen both Set Screws on the side of the Pylon Clamp that the foot will be moved towards. Loosen all Socket Head Screws. Translate foot to desired position and ensure other height and angles have been maintained. Torque Set Screws on the other side of the Pylon Clamp to 6 N·m. Torque Socket Head Screws in alternating diagonal pattern to 10 N·m.



Once final alignment is found, the foot can be mounted to the socket with the Fillauer Posterior Mounting Bracket Kit (**180-10-2010**) or directly laminated onto the socket.

### Posterior Mounting Bracket Instructions

1. Mark the correct locations on the foot to drill the mounting holes for the Posterior Mounting Bracket. The Transfer Hole centers in the Pylon Clamp (shown below) correspond to the mounting hole centers in the Posterior Mounting Bracket. Scribe transfer marks onto foot with a thin sharp object going through the two transfer holes in the Pylon Clamp shown below.



2. To proceed with the use of the Posterior Mounting Bracket, refer to the "Lamination" section of the Posterior Mounting Bracket instructions and complete the remainder of the described steps.



[www.fillauer.com](http://www.fillauer.com)

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PM345/09-12-18