

General Maintenance & Fastener Torque Specifications

for MightyMite Components



Important

This document covers the general maintenance and fastener torque specifications for all MightyMite components. It is the responsibility of the practitioner to ensure that all of these recommendations are followed and that the patient is aware of all maintenance procedures. For specific maintenance procedures and specifications for components with moving parts, such as knees, see the instructions included with those components. All MightyMite components are intended for use on one patient only and must be installed by qualified personnel.

Care and Maintenance

Metal components are subject to corrosion damage if used in a wet or otherwise corrosive environment including, but not limited to, the shower/bath, the ocean or other saltwater environment, and corrosive industrial environments. Avoid submersion in any liquid, and if the prosthesis does get wet, dry thoroughly as soon as possible.

Prosthetic components are subjected to mechanical stresses that can fatigue the part over time. Although all Fillauer MightyMite components have been tested in accordance with applicable standards, the risk still exists that they may fail under certain conditions that will vary greatly depending on patient use. In order to reduce the risk of failure, it is recommended that all of the components in a prosthesis be checked periodically by the prosthetist (at an interval determined by the patient's weight and activity level, not to exceed 6 months) for signs of fatigue or other damage, i.e. cracks, deep scratches, corrosion, wear, etc. The prosthetist should also advise the patient to examine the prosthesis before each application.

Fastener Torque & Thread Locking

- It is imperative that all fasteners be tightened to the proper torque listed in the following table. Over tightening can overstress the fastener or part and strip threads. Too little torque will allow movement between parts leading to premature fatigue failures and/or fasteners coming loose.
- Certain fasteners need to be thread locked to ensure safe use of the prosthesis. Where thread lock is not specified in the following table, it is recommended that a lubricant be used on threads unless otherwise noted.
- At least as often as the part is inspected, the fasteners should be inspected for proper torque, and a record of this inspection kept in the patient's file.
- Proper care and maintenance can help prevent unnecessary risk, which may occur with neglect.

Torque Specifications and Loctite Recommendations for MightyMite Components

Where Used		Fastener Specifications					
Part Number	Component	Part Number	Fastener	Function	N·m	ft-lbs	Loctite
FC100110	SACH Foot Adapter with Medium Pyramid	880289	M8 × 10.25 × 50 SHCS	SACH Foot Bolt	20	15	Yes - 242
FC100114	Four Hole Adapter with Medium Pyramid	882524	M5 × 0.8 × 20 FHCS	Mounting Screw	7	5.2	Yes - 242
FC100118	Integrated Pylon with Aluminum Receiver	882608	M6 × 1 × 12 SHSS	Alignment Set Screw	6	4.5	Yes - 242
FC100119	Integrated Pylon with Titanium Receiver	882608	M6 × 1 × 12 SHSS	Alignment Set Screw	6	4.5	Yes - 242
FC100120	Integrated Steel Pylon with Alum. Receiver	882608	M6 × 1 × 12 SHSS	Alignment Set Screw	6	4.5	Yes - 242
FC100121	Integrated Steel Pylon with Alum. Receiver	880290	M8 × 10.25 × 16 SHSS	Alignment Set Screw	15	11	Yes - 242
FC100122	Aluminum Tube Clamp for Medium Pyramid	882608	M6 × 1 × 12 SHSS	Alignment Set Screw	6	4.5	Yes - 242
		882418	M4 × 0.7 × 14 SHCS	Clamp Bolt	5	3.7	No
FC100123	Titanium Tube Clamp for Medium Pyramid	882608	M6 × 1 × 12 SHSS	Alignment Set Screw	6	4.5	Yes - 242
		882418	M4 × 0.7 × 14 SHCS	Clamp Bolt	5	3.7	No
FC100124	Aluminum Tube Clamp for Large Pyramid	880290	M8 × 10.25 × 16 SHSS	Alignment Set Screw	15	11	Yes - 242
		882418	M4 × 0.7 × 14 SHCS	Clamp Bolt	5	3.7	No
FC100130	AK Socket Adapter with Rotation	882418	M4 × 0.7 × 14 SHCS	Clamp Bolt	5	3.7	No
FC100132	Four Hole Adapter with Rotation	882418	M4 × 0.7 × 14 SHCS	Clamp Bolt	5	3.7	No
		882524	M5 × 0.8 × 20 FHCS	Mounting Screw	7	5.2	Yes - 242
FC100134	Rotatable Medium Pyramid Receiver	882608	M6 × 1 × 12 SHSS	Alignment Set Screw	6	4.5	Yes - 242
FC100144	Rotatable Small Pyramid Receiver	882608	M6 × 1 × 12 SHSS	Alignment Set Screw	6	4.5	Yes - 242
FC100150	Composite Distal Attachment Block Kit	882524	M5 × 0.8 × 20 FHCS	Mounting Screw	7	5.2	Yes - 242
FC100152	BK Socket Adapter with Medium Pyramid	880282	M6 × 1 × 20 FHCS	Mounting Screw	8.8	6.5	Yes - 242
FC100530	M30 Thread to Pyramid Adapter	882418	M4 × 0.7 × 14 SHCS	Clamp Bolt	5	3.7	No



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