General Maintenance & Fastener Torque Specifications

for Fillauer Prosthetic Components

Important

This document covers the general maintenance and fastener torque specifications for all Fillauer prosthetic components. It is the responsibility of the practitioner to insure 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 or attachment kits, see the instructions included with these components. All prosthetic 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 salt-water 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 prosthetic 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 and Thread Locking

- It is imperative that all fasteners be tightened to the proper torque listed in the table below. Over tightening can over-stress 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 table below, 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 Fillauer Prosthetic Components

Where Used		Fastener Specifications						
Part Number	**Component**	**Part Number**	**Fastener**	**Function**	**N·m**	**in-lbs**	**ft-lbs**	**Loctite**
124105	Universal Coupling Ring	882612	M6 × 1 × 12 mm	Attach to slide unit	15	132	11	Yes: 242
125298 125308	Thermoplastic Attachment Plate Thermoplastic Attach Plate with Dish	880285	M6 × 1 × 25 mm	Attach to socket [1]	12	108	9	Yes: 242
124102	Composite Distal Attachment Block	880280	M6 × 1 × 16 mm	Attach to socket [1]	12	108	9	Yes: 242
124106	Adapter Ring with Screws	880288 882612	M6 × 1 × 30 mm M6 × 1 × 12 mm	Attach to socket [1] Alignment adjustment set screw	12 15	108 132	9 11	Yes: 242
124108	Pyramid Receiver with non-tapped holes	880290	M8 × 1.25 × 16 mm	Alignment adjustment set screw	15	132	11	Yes: 242
124114	Rotatable Socket Adapter	880290	M8 × 1.25 × 16 mm	Alignment adjustment set screw	15	132	11	Yes: 242
124500 124170 124171	Pylon Tube Clamp 34 mm — Aluminum Pylon Tube Clamp — Aluminum Liner Lanyard Adapter	880290 882520	M8 × 1.25 × 16 mm M5 × 0.8 × 20 mm	Alignment adjustment set screw Clamp cap screw	15 10	132 90	11 7.5	Yes: 242 No
124121	Pylon Tube with Aluminum Adapter, 10 in.	880290	M8 × 1.25 × 16 mm	Alignment adjustment set screw	15	132	11	Yes: 242
125240 125241 125243	Green Cylindrical Shuttle Lock with 1 in. Plunger Green Cylindrical Shuttle Lock with 1.5 in. Plunger Green Cylindrical Shuttle Lock with 2 in. Plunger	880282	M6 × 1 × 20 mm	Attach to socket [1]	8	72	6	Yes: 242
125461 125462 140020	Modular Shuttle Lock with 4-Hole Housing Cylindrical Shuttle Lock with 4-Hole Housing Cylindrical Clutch Lock with 4-Hole Housing	880282	M6 × 1 × 20 mm	Attach to socket [1]	12	108	9	Yes: 242
141003	Cylindrical Gator Grip with 4-Hole Housing	880280	M6 × 1 × 16 mm	Attach to socket [1]	12	108	9	Yes: 242
124160	Foot Attachment Plate — Aluminum Foot	K20103	⅜-16 × 3	SACH foot bolt	20	180	15 [2]	Yes: 242
125101	Foot Plate with Pylon Tube Clamp	K20104	⅜-16 × 4	SACH foot bolt	34	300	15 [2]	Yes: 242
124270	M36 Thread to Pyramid Adapter	882516	M5 × 0.8 × 25 SHCS	Clamp Bolt	10	90	7.5	No
124510	36 mm Threaded Adapter with Pyr. Rec. Titanium	880257	M8 × 1.25 × 6 SHSS	Alignment adjustment set screw	15	132	11	Yes: 242
124119 124137 124121 124127	Integrated Pylon with Titanium Adapter 10 in. Integrated Pylon with Titanium Adapter 17 in. Integrated Pylon with Aluminum Adapter 10 in. Integrated Pylon with Aluminum Adapter 17 in.	880290	M8 × 1.25 × 25 mm	Alignment adjustment set screw	15	132	11	Yes: 242

[1] Fastener length may vary depending upon application.

[2] Foot bolts should have a torque setting as recommended by foot manufacturers specifications, generally 15 ft-lbs for wood keels.

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