



Paragon Machine Works Torque Values

Titanium Screw Upgrades

We offer two different titanium bolts as upgrades for our adjustable dropout hardware:

- 6 mm hexagon combination head cap screw.
- 5 mm hexagon button head cap screw.

They offer the following advantages over our stock steel button head cap screw:

- The hexagon is deeper and manufactured to a closer tolerance.
- Lighter.
- Aesthetically pleasing.
- Can be torqued 10% more than our steel bolt (see below).

Recommended Torque Values for Sliding/Rocker Dropout Screws

Always use our 304 stainless steel washers with the bolts:

- Help spread the load over a larger area.
- Hold the parts together better.
- Keep your frame from getting damaged from repeated tightening/loosening of the screws.

Steel Torque Specification: 24 to 26 N-m, 2.4 to 2.6 Kg-m, or 17 to 19 foot/pounds.

A word of caution: unless you have a brand new 5 mm wrench, at the upper range of these values there is a possibility of rounding out the socket head on a steel bolt.

Titanium Torque Specification: May be torqued at least 10% more than the above values.

Recommended Torque Value for PolyDrop Screws

Torque specification = 7Nm or 60 inch/pounds

Preventing Slippage

If your inserts are slipping, we recommend:

1. Upgrading to titanium screws.
2. Applying **Loctite® Threadlocker Blue 242** to the screw threads:
 - Medium strength.
 - Cures when confined in the absence of air between close fitting metal surfaces.
 - Designed for locking threaded fasteners which require normal disassembly with standard hand tools.
 - Protects threads from rust and corrosion and prevents loosening from shock and vibration.
 - Can be loosened/re-tightened without reapplication if some Loctite remains on the threads.