# Fitting Instructions

Thank you for purchasing a set of Trentech Precision scope rings. Great care has gone into the manufacture of our rings to assure proper alignment and fitting of the scope. To this end, we have put together these tips on fitting our rings to achieve the best possible results.

Before fitting the rings, the rail (or rail sections) should be checked for straightness and alignment with a steel straight edge. Alternatively, a good quality steel ruler will also suffice. Rails with excessive bow, or misaligned rail sections should be corrected before attempting to fit the rings. Failure to correct any misalignment will result in excessive deflection of the scope tube. When fitted to a perfectly straight and true rail, Trentech rings should not need lapping. We recommend checking final ring alignment with a set of scope alignment dowels.

Trentech rings are shipped with a small amount of protective lubricant on the screws.. Lubricant should remain on the screws. Using some isopropyl Alcohol or similar solvent, clean the ring mating faces, IE the curved surface where the scope sits and the dovetail & clamp surfaces. We then recommend a light coating of Rosin powder on all contacting surfaces. This greatly helps to prevent movement under heavy recoil or severe vibration that can occur during travel in vehicles etc. The top caps should have an equal gap on each side when they are tightened down (see diagram below right).

PIC rings that have a "recoil" lug machined on the underside should be pushed fully forward towards the muzzle to seat the lug against the mating slot on the rail when the clamp screws are tightened down.

While the screw threads are lubricated with protective lubricant, we recommend a very small smear of thick grease on the threads of each screw. This provides additional lubricity on the threads and increases the clamp forces generated with a particular torque setting. Any good quality grease will do, however we recommend a product called Nulon L90 Anti Seize. We **DO NOT** recommend the use of any kind of thread locking compound. If screws are found to come loose, then **a very small** amount of the **lowest strength** thread locker can be used.

We recommend a maximum torque setting of 15 In-Lb—1.7 Nm (grease lubricated) for the top cap screws (M3.5) and a maximum of 30 In-Lb—3.4 Nm (grease lubricated) for the side clamp screws (M4).

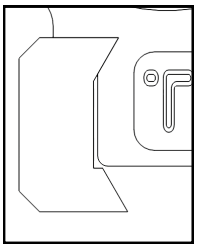
**Dual use (Dovetail)** scope rings have a reversible side clamp. Please note that the clamp orientation is important for correct fitting, (see diagram below left).

Side clamps should be flat & parallel to the ring body. If they are not flat & parallel then either the clamp is in the wrong orientation, or the rings are not compatible with that rail.

**Picatinny** rings have asymmetrical side clamp slots and can only be fitted one way.

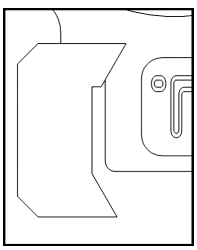
## Proudly designed and manufactured in Australia

### DUAL USE (DOVETAIL) SCOPE RINGS



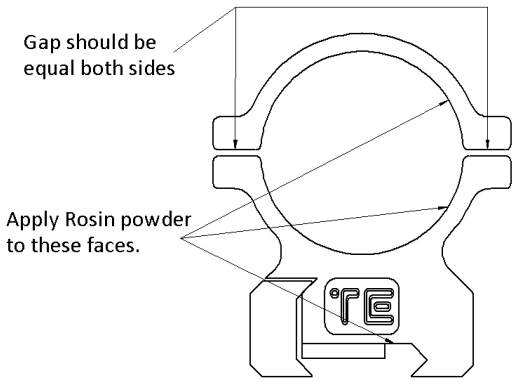
**Standard Davidson dovetail configuration.**

Side clamp bracket should be flat and parallel to ring body with the tall step placed at the bottom.



**11mm Anschutz dovetail Configuration.**

Side clamp bracket should be flat and parallel to ring body with the tall step placed at top.




### Torque Settings:

(Grease Lubricated)

Top caps: **12-15 In-Lb (1.3-1.7 Nm)**

Side clamps: **25-30 In-Lb (2.8-3.4 Nm)**