



Warning: Laser Radiation

Warranty conditions of the country in which the purchase was done, are valid. Keep proof of purchase.

Manufactures Warranty is valid for 12 months from month of purchase.

Caution- Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

The unit should not be exposed to temperatures in excess of 50 degrees Celsius or left in direct sunlight for extended periods.

Damage to the laser module may result. To switch on the unit turn the red plastic cap on the back of the unit clockwise until it stops.

To turn the unit off, rotate the cap anti-clockwise one half turn to make sure the cap will not accidentally make contact when not in use.

To replace the battery, turn the cap anti-clockwise until you can remove it from the unit completely. The batteries are CR-1/3N.

No other maintenance is to be done by the user as it may effect the radiation exposure, any other maintenance, service or in the unlikely event that the units need parts replaced / repaired they must be done by Sniper Precision Technologies.

Do not modify the units.

This laser product is designated as Class 1 during all procedures of operation.

Wavelength: 650nm, nominal.

Laser Power for Classification: <0.39mW CW.

Beam Diameter: <1.2mm at aperture.

Divergence: <1mRad

Transverse Beam Mode: TEM00

Sniper Precision Technologies KPI Gauge

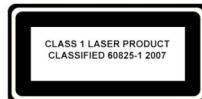
52 Country Drive, Oakford Australia 6121

CLASS1 LASER PRODUCT CLASSIFIED EN/IEC 60825-1 2007

Complies with US FDA performance standards for laser

Products except for deviations pursuant to Laser

Notice No. 50, Dated June, 2007. Manufactured: Month/Year



Remove the kingpins, spindles and adjustors from the yoke. Insert the Sniper pins into the yokes and fit the head unit onto the pins.

Turn the units on and rotate until they both shine at the opposing units centre line. A difference in the degrees may suggest a bent chassis.

The Rearward pointing lasers can be measured off the rear axle, differences would indicate an inconsistency in castor.

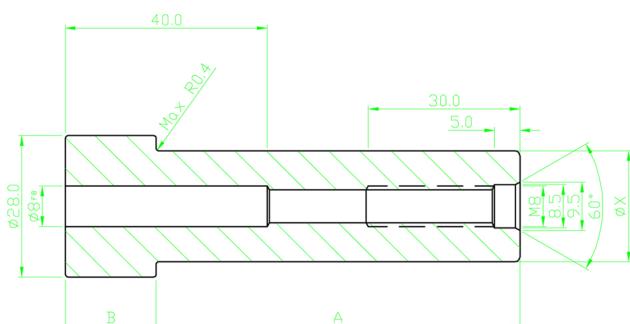
Differences in measuring of the bearing cassettes would suggest chassis squareness/tracking issues.

The pins in the yoke are able to be utilized to help straighten a chassis.

The Sniper pins supplied are for a yoke with a 22mm diameter.

The pins could be turned down for smaller diameters, care needs to be taken otherwise accuracy will be compromised.

Below is a drawing of the pin for manufacturing if required. Pins with a larger diameter than 22mm can order on request from Sniper.



ϕX = ϕ of hole in Chassis Yoke.
A = Height of Chassis Yoke plus 2mm.
B = The dimension is not important but both pins must be identical.

Material: 4140

F8 = $^{+0.035}_{-0.013}$