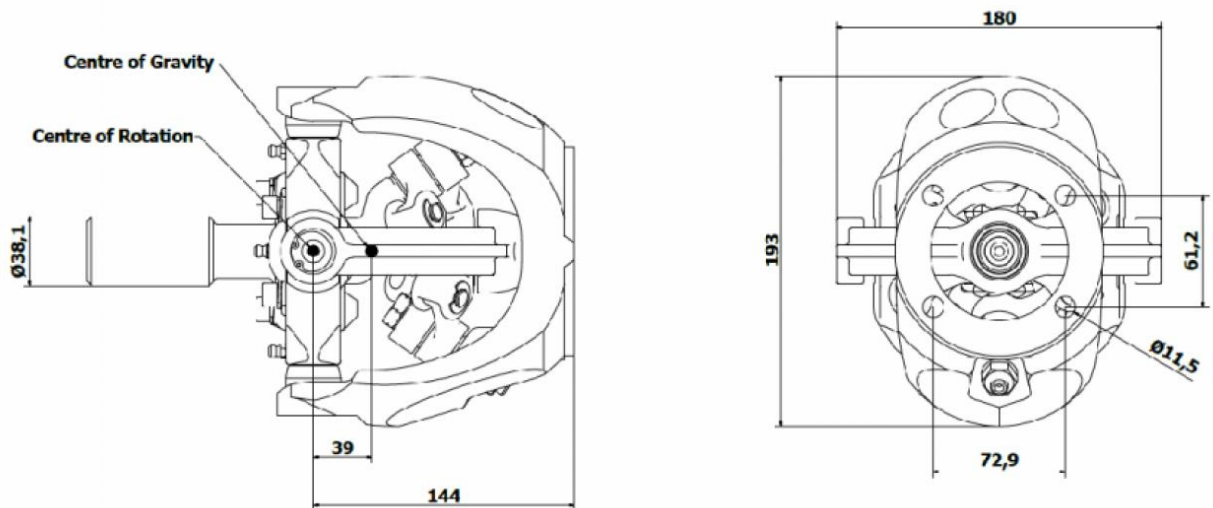


Thompson Constant Velocity Joint (TCVJ) 5B-15 Coupling Head Technical Specifications and Details

Nominal Design Torque	500 Nm
Max. Torque	1200 Nm
Design Speed Max	3000 RPM
Full Articulation Angle	15 degrees
L ₁₀ bearing life (1)	Contact us for your specific application
Max. Service Temperature	Up to 120 degrees Celsius
Coupling Efficiency	>99.95% (2)
Connection details	<ul style="list-style-type: none"> • Male keyed shaft 38.1 (1.5" diameter) • Female flange SAE 1350 4 bolt pattern
Max Swing Diameter	193mm
Overall Length	169mm
Weight	11.0 kg
Rotational moment of inertia	0,0358 kgm ²



Notes:

- (1) Actual bearing life depends upon a combination of factors. These include equivalent speed, torque and articulated angle. Additionally, shock loads, lubrication frequency and environmental conditions may also affect life ratings.
- (2) Efficiency determined from independent testing authority based on a range of angles, speeds and torque loading scenarios.

Continuous collinear operation of the TCVJ coupling at 0° degrees is not recommended as this will cause excessive wear on bearings and cause damage to the coupling. For maximum efficiency and life of the TCVJ coupling, a minimum operating angle of 0.5° degrees is recommended.