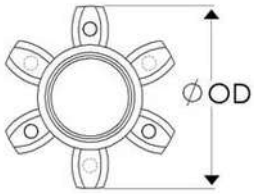
JD32/51-92Y

Ruland JD32/51-92Y, Jaw Coupling Spider, 92 Shore A Yellow, 2.000" (50.8mm) OD





Description

Ruland JD32/51-92Y is a zero-backlash jaw coupling spider designed to fit Ruland hubs that have an OD of 2.000" (50.8mm). It is a component in a three-piece design consisiting of two aluminum hubs and an elastomeric insert called the spider creating a lightweight low inertia coupling capable of speeds up to 8,000 RPM. This three-piece design allows for a highly customizable coupling that easily combines clamp or set screw hubs with inch, metric, keyed, and keyless bores. JD32/51-92Y is made from polyurethane and has 92 Shore A hardness allowing for a good balance of dampening and torque capacity. Ruland jaw couplings have a balanced design for reduced vibration at high speeds. Hardware is metric and tests beyond DIN 912 12.9 standards for maximum torque capabilities. JD32/51-92Y is RoHS2 and REACH compliant.

Product Specifications

Outer Diameter OD	2.000 in / 50.8 mm	**Nominal Torque**	220 in-lb, 24.9 Nm
Angular Misalignment	0.9°	**Peak Torque**	440 in-lb, 49.8 Nm
Parallel Misalignment	0.006 in, 0.15 mm	**Torsional Stiffness**	0.005 Deg/in-lb, 0.044 Deg/Nm
Axial Motion	0.05 in, 1.27 mm	**Maximum Speed**	8,000 RPM
Weight (lbs.)	0.0450	**Temperature**	-10°F to 180°F -23°C to 82°C
Material Specification	Polyurethane 92 Shore A YELLOW	**Finish Specification**	Plain
UPC	63452906898	**Country of Origin**	USA
Note 1	Performance ratings are for guidance only. The user must determine suitability for a particular application.		
Note 2	Torque ratings for the couplings are based on the physical limitations/failure point of the spiders. Under normal/typical conditions the hubs are capable of holding up to the nominal torque of the spiders. In some cases, especially when the smallest standard bores are used or where shafts are undersized, slippage on the shaft is possible below the nominal torque of the spiders. Keyways are available to provide additional torque capacity in the shaft/hub connection when required. Please consult technical support for more assistance.		