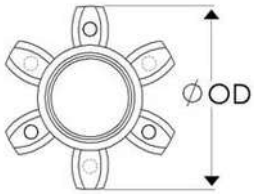
JD36/57-98R

Ruland JD36/57-98R, Jaw Coupling Spider, 98 Shore A Red, 2.250" (57.2mm) OD





Description

Ruland JD36/57-98R is a zero-backlash jaw coupling spider designed to fit Ruland hubs that have an OD of 2.250" (57.2mm). 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. JD36/57-98R is made from polyurethane and has 98 Shore A hardness allowing for the highest torque capacity with limited compliance. 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. JD36/57-98R is RoHS2 and REACH compliant.

Product Specifications

Outer Diameter OD	2.250 in / 57.2 mm	**Nominal Torque**	410 in-lb, 46.5 Nm
Angular Misalignment	0.8°	**Peak Torque**	820 in-lb, 92.9 Nm
Parallel Misalignment	0.004 in, 0.10 mm	**Torsional Stiffness**	0.003 Deg/in-lb, 0.026 Deg/Nm
Axial Motion	0.05 in, 1.27 mm	**Maximum Speed**	8,000 RPM
Weight (lbs.)	0.0620	**Temperature**	-10°F to 180°F -23°C to 82°C
Material Specification	Polyurethane 98 Shore A RED	**Finish Specification**	Plain
UPC	63452906892	**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.		