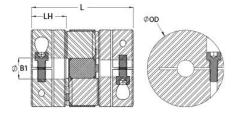




MJC25-9-A

Ruland MJC25-9-A, 9mm Jaw Coupling Hub, Aluminum, Clamp Style, 25.4mm OD, 11.9mm Length





Description

Ruland MJC25-9-A is a clamp zero-backlash jaw coupling hub with a 9mm bore, 25.4mm OD, and 11.9mm length. It is a component in a threepiece 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. Spiders are available in three durometers allowing the user to tailor coupling performance to their application. 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. MJC25-9-A is machined from bar stock that is sourced exclusively from North American mills and is RoHS3 and REACH compliant. It is manufactured in our Marlborough, MA factory under strict controls using proprietary processes.

Product Specifications

D in (25.4 mm) 5 mm 00 mm / -0.013 mm \times Oxide Im lignment ratings vary with t selection 7 x 10 ⁻⁶ kg-m ² 5/25-98R, JD16/25-92Y, 5/25-85B	B1 Max Shaft Penetration Bore Tolerance Length (L) Forged Clamp Screw Screw Material Hex Wrench Size Torque Specifications Maximum Speed Full Bearing Support Required?	11.9 mm +0.03 mm / -0.00 mm 1.390 in (35.3 mm) M3 Alloy Steel 2.5 mm Torque ratings vary with insert selection 8,000 RPM
5 mm 500 mm / -0.013 mm < Oxide Im lignment ratings vary with t selection 7 x 10 ⁻⁶ kg-m ² 5/25-98R, JD16/25-92Y, 5/25-85B	Length (L) Forged Clamp Screw Screw Material Hex Wrench Size Torque Specifications Maximum Speed Full Bearing Support Required?	1.390 in (35.3 mm) M3 Alloy Steel 2.5 mm Torque ratings vary with insert selection 8,000 RPM
00 mm / -0.013 mm < Oxide Im lignment ratings vary with t selection 7 x 10 ⁻⁶ kg-m ² 5/25-98R, JD16/25-92Y, 5/25-85B	Forged Clamp Screw Screw Material Hex Wrench Size Torque Specifications Maximum Speed Full Bearing Support Required?	M3 Alloy Steel 2.5 mm Torque ratings vary with insert selection 8,000 RPM
< Oxide Im lignment ratings vary with t selection 7 x 10 ⁻⁶ kg-m ² 5/25-98R, JD16/25-92Y, 5/25-85B	Screw Material Hex Wrench Size Torque Specifications Maximum Speed Full Bearing Support Required?	Alloy Steel 2.5 mm Torque ratings vary with insert selection 8,000 RPM
Im lignment ratings vary with t selection 7 x 10 ⁻⁶ kg-m ² 5/25-98R, JD16/25-92Y, 5/25-85B	Hex Wrench Size Torque Specifications Maximum Speed Full Bearing Support Required?	2.5 mm Torque ratings vary with insert selection 8,000 RPM
Im lignment ratings vary with t selection 7 x 10 ⁻⁶ kg-m ² 5/25-98R, JD16/25-92Y, 5/25-85B	Torque Specifications Maximum Speed Full Bearing Support Required?	Torque ratings vary with insert selection 8,000 RPM
lignment ratings vary with t selection 7 x 10 ⁻⁶ kg-m ² 5/25-98R, JD16/25-92Y, 5/25-85B	Maximum Speed Full Bearing Support Required?	selection 8,000 RPM
t selection 7 x 10 ⁻⁶ kg-m ² 5/25-98R, JD16/25-92Y, 5/25-85B	Full Bearing Support Required?	
6/25-98R, JD16/25-92Y, 6/25-85B		Yes
<u>)/25-85B</u>	7 8 11 10	
	Zero-Backlash?	Yes
	Fail Safe?	Yes
4800	Temperature	-10°F to 180°F (-23°C to 82°C)
-T351 Aluminum Bar	Finish	Bright
nt, No Plating	Manufacturer	Ruland Manufacturing
0 in (0.75 mm)	Country of Origin	USA
29120903	UNSPC	31163011
.60.8000		
Stainless steel hubs are available upon request.		
Performance ratings are for guidance only. The user must determine suitability for a particular application.		
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.		
WARNING This product can expose you to the chemical Ethylene Thiourea, known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov .		
	rmance ratings are for guidance are ratings for the couplings are al/typical conditions the hubs a s, especially when the smallest is possible below the nominal city in the shaft/hub connection ARNING This product can exp ornia to cause cancer and birth	rmance ratings are for guidance only. The user must determine sui the ratings for the couplings are based on the physical limitations/fai al/typical conditions the hubs are capable of holding up to the nomi s, especially when the smallest standard bores are used or where s is possible below the nominal torque of the spiders. Keyways are a city in the shaft/hub connection when required. Please consult tech ARNING This product can expose you to the chemical Ethylene Th ornia to cause cancer and birth defects or other reproductive harm.

- 1. Align the bores of the MJC25-9-A jaw coupling hubs on the shafts that are to be joined and determine if the misalignment parameters are within the limits of the coupling. (See spider for misalignment parameters.)
- Fully tighten the M3 screw(s) on the first hub to the recommended seating torque of 2.1 Nm using a 2.5 mm hex torque wrench.
- 3. Insert a spider into the jaws of one hub until the raised points contact the base of the hub.
- 4. Insert the jaws of the second hub into the spider openings until the raised points contact the base of the second hub. Some force will be required to insert the second hub. This is normal.
- 5. Assure that a gap is maintained between the two hubs so there is no metal to metal contact. Fully tighten the screw(s) on the second hub to the recommended seating torque.