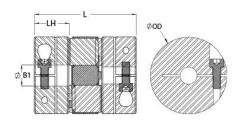




MJC41-11-A

Ruland MJC41-11-A, 11mm Jaw Coupling Hub, Aluminum, Clamp Style, 41.3mm OD, 18.0mm Length





Description

Ruland MJC41-11-A is a clamp zero-backlash jaw coupling hub with a 11mm bore, 41.3mm OD, and 18.0mm length. 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. 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. MJC41-11-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

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Length (L) 2.086 in (53.0 mm) ecommended Shaft Tolerance +0.000 mm / -0.013 mm Forged Clamp Screw M4 umber of Screws 1 ea Screw Material Alloy Steel crew Finish Black Oxide Hex Wrench Size 3.0 mm eating Torque 4.6 Nm Torque Specifications Torque ratings vary with insert selection isalignment Misalignment ratings vary with insert selection oment of Inertia 1.640 x 10⁻⁶ kg-m² Full Bearing Support Required? Yes ecommended Inserts JD26/41-98R, JD26/41-92Y Zero-Backlash? Yes alanced Design Yes Fail Safe? Yes feight (Ibs) 0.151500 Temperature -10⁻℉ to 180⁻℉ (-23˚℃ to 82˚℃) aterial Specification 2024-T351 Aluminum Bar Finish Bright ninish Specification Bright, No Plating Manufacturer Ruland Manufacturing ecommended Gap Between ubs PC 634529109649 UNSPC 31163011 Stainless steel hubs are available upon request. ote 2 Performance ratings are for guidance only. The user must determine suitability for a particular application of 2 Performance ratings are for guidance only. The user must determine suitability for a particular application of 3 rorque ratings for the couplings are based on the physical limitations/failure point of the spiders. In some cases, especially when the smallest standard bores are used or where shafts are undersized, slippage or shaft is possible below the nominal torque of the spiders. Keyways are available to provide additional tor capacity in the shaft/hub connection when required. Please consult technical support for more assistance for California to cause cancer and birth defects or other reproductive harm. For more information go to	Bore (B1)	11 mm	B1 Max Shaft Penetration	18.0 mm
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Black Oxide Hex Wrench Size 3.0 mm Torque Specifications Torque ratings vary with insert selection isalignment Misalignment ratings vary with insert selection oment of Inertia 1.640 x 10.5 kg-m² Full Bearing Support Required? Yes ecommended Inserts JD26/41-98R, JD26/41-92Y Zero-Backlash? Yes alanced Design Yes Fail Safe? Yes leight (Ibs) 0.151500 Temperature -10°F to 180°F (-23°C to 82°C) aterial Specification Bright, No Plating Manufacturer Ruland Manufacturing ecommended Gap Between ubs PC 634529109649 UNSPC 31163011 Stainless steel hubs are available upon request. ote 2 Performance ratings are for guidance only. The user must determine suitability for a particular application on a par	Recommended Shaft Tolerance	+0.000 mm / -0.013 mm	Forged Clamp Screw	M4
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Installation Instructions

1. Align the bores of the MJC41-11-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.)
- 2. Fully tighten the M4 screw(s) on the first hub to the recommended seating torque of 4.6 Nm using a 3.0 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.