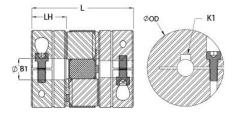




MJCC51-13-A

Ruland MJCC51-13-A, 13mm Jaw Coupling Hub, Aluminum, Clamp Style With Keyway, 50.8mm OD, 20.8mm Length





Description

Ruland MJCC51-13-A is a clamp zero-backlash jaw coupling hub with a 13mm bore, 5mm keyway, 50.8mm OD, and 20.8mm 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. MJCC51-13-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

13 mm	Keyway (K)	5 mm
20.8 mm	Outer Diameter (OD)	2.000 in (50.8 mm)
+0.03 mm / -0.00 mm	Hub Width (LH)	20.8 mm
2.400 in (61.0 mm)	Recommended Shaft Tolerance	+0.000 mm / -0.013 mm
M5	Number of Screws	1 ea
Alloy Steel	Screw Finish	Black Oxide
4.0 mm	Seating Torque	9.5 Nm
Torque ratings vary with insert selection	Misalignment	Misalignment ratings vary with insert selection
8,000 RPM	Moment of Inertia	4.289 x 10 ⁻⁵ kg-m ²
Yes	Recommended Inserts	<u>JD32/51-98R, JD32/51-92Y</u>
Yes	Balanced Design	Yes
Yes	Weight (Ibs)	0.260300
-10°F to 180°F (-23°C to 82°C)	Material Specification	2024-T351 Aluminum Bar
Bright	Finish Specification	Bright, No Plating
Ruland Manufacturing	Recommended Gap Between Hubs	0.050 in (1.25 mm)
USA	UPC	634529217214
31163011	Tariff Code	8483.60.8000
Stainless steel hubs are available	upon request.	
Performance ratings are for guidance only. The user must determine suitability for a particular application		
normal/typical conditions the hubs	are capable of holding up to the nom	
		-
	20.8 mm +0.03 mm / -0.00 mm 2.400 in (61.0 mm) M5 Alloy Steel 4.0 mm Torque ratings vary with insert selection 8,000 RPM Yes Yes Yes -10°F to 180°F (-23°C to 82°C) Bright Ruland Manufacturing USA 31163011 Stainless steel hubs are available Performance ratings are for guidar Torque ratings for the couplings ar normal/typical conditions the hubs consult technical support for more ▲WARNING This product can ex California to cause cancer and birt www.P65Warnings.ca.gov.	20.8 mm Outer Diameter (OD) +0.03 mm / -0.00 mm Hub Width (LH) 2.400 in (61.0 mm) Recommended Shaft Tolerance M5 Number of Screws Alloy Steel Screw Finish 4.0 mm Seating Torque Torque ratings vary with insert selection Misalignment 8,000 RPM Moment of Inertia Yes Recommended Inserts Yes Balanced Design Yes Weight (Ibs) -10°F to 180°F (-23°C to 82°C) Material Specification Bright Finish Specification Ruland Manufacturing Recommended Gap Between Hubs USA UPC 31163011 Tariff Code Stainless steel hubs are available upon request. Performance ratings are for guidance only. The user must determine su Torque ratings for the couplings are based on the physical limitations/fanormal/typical conditions the hubs are capable of holding up to the norr consult technical support for more assistance. MARNING This product can expose you to the chemical Ethylene T California to cause cancer and birth defects or other reproductive harm

4.0 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.