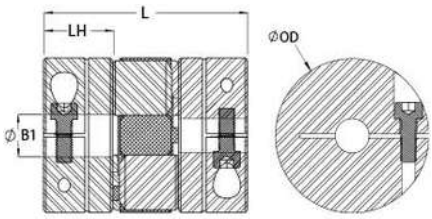
MJCC51-12-A

Ruland MJCC51-12-A, 12mm Jaw Coupling Hub, Aluminum, Clamp Style With Keyway, 50.8mm OD, 20.8mm Length





Description

Ruland MJCC51-12-A is a zero-backlash jaw coupling hub with a12mm bore, 4mm 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 the performance of the coupling 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. MJCC51-12-A is machined from bar stock that is sourced exclusively from North American mills and is RoHS2 and REACH compliant. It is manufactured in our Marlborough, MA factory under strict controls using proprietary processes.

Product Specifications

Bore B	12 mm	**B1 Shaft Penetration**	20.8 mm
Keyway K	4 mm	**Outer Diameter OD**	50.8 mm
Bore Tolerance	+.03 mm / -.00 mm	**Hub Width LH**	20.8 mm
Length L	61.0 mm	**Forged Clamp Screw**	M5
Number of Screws	1 ea	**Screw Material**	Alloy Steel
Screw Finish	Black Oxide	**Hex Wrench Size**	4.0 mm
Seating Torque	9.5 Nm	**Maximum Speed**	8,000 RPM
Weight (lbs.)	0.2660	**Temperature**	-10°F to 180°F -23°C to 82°C
Material Specification	2024-T351 Aluminum Bar	**Finish**	Bright
Finish Specification	Bright	**UPC**	63452911627
Country of Origin	USA		
Note 1	Stainless steel hubs are available upon request.		
Note 2	Performance ratings are for guidance only. The user must determine suitability for a particular application.		
Note 3	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. Please consult technical support for more assistance.		