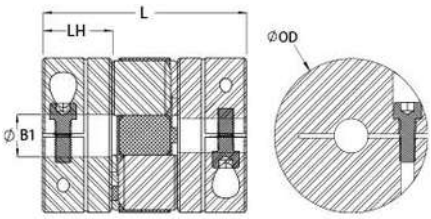
RULAND
Carefully Made Shaft Collars and Couplings

# MJC57-30-A

Ruland MJC57-30-A, 30mm Jaw Coupling Hub, Aluminum, Clamp Style, 57.2mm OD, 28.7mm Length






## Description

Ruland MJC57-30-A is a zero-backlash jaw coupling hub with a 30mm bore, 57.2mm OD, and 28.7mm 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. MJC57-30-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

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|---|---|---|---|
| **Bore B** | 30 mm | **B1 Shaft Penetration** | 28.7 mm |
| **Outer Diameter OD** | 57.2 mm | **Bore Tolerance** | +.03 mm / -.00 mm |
| **Hub Width LH** | 28.7 mm | **Length L** | 80.0 mm |
| **Forged Clamp Screw** | M6 | **Number of Screws** | 1 ea |
| **Screw Material** | Alloy Steel | **Screw Finish** | Black Oxide |
| **Hex Wrench Size** | 5.0 mm | **Seating Torque** | 16 Nm |
| **Maximum Speed** | 8,000 RPM | **Weight (lbs.)** | 0.4640 |
| **Temperature** | -10°F to 180°F<br>-23°C to 82°C | **Material Specification** | 2024-T351 Aluminum Bar |
| **Finish** | Bright | **Finish Specification** | Bright |
| **UPC** | 63452906796 | **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. 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. | | |