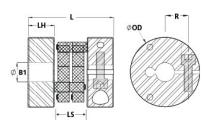




MCPRD19-10-A

Ruland MCPRD19-10-A, Controlflex Coupling Hub, Aluminum, Clamp Style, 19.0mm OD, 20.0mm Length





Description

Ruland MCPRD19-10-A is a Controlflex coupling hub with a 10mm bore, 19.0mm OD, and 20.0mm length. It is a component in a four-piece design consisting of two aluminum hubs mounted by pins to two acetal inserts creating a lightweight low inertia coupling capable of speeds up to 25,000 RPM. This four-piece design allows for a highly customizable coupling that easily combines clamp hubs with inch, metric, keyed, and keyless bores. Hardware is metric and tests beyond DIN 912 12.9 standards for maximum torque capabilities. Controlflex couplings have a balanced design for reduced vibrations at high speeds, can accommodate all forms of misalignment, and are an excellent fit for encoders, tachometers, and light duty stepper servo positioning applications. MCPRD19-10-A is RoHS3 and REACH compliant.

Product Specifications

Hub Width (LH) 5.6 mm Length (L) 0.78 Space Between Hubs (LS) 0.347 in (8.8 mm) Forged Clamp Screw #2-5 Screw Material Alloy Steel Hex Wrench Size 5/64 Screw Finish Black Oxide Seating Torque 0.4 l Screw Location (R) 6.4 mm Number of Screws 1 ea Rated Torque 0.6 Nm Angular Misalignment 1.0° Peak Torque 1.4 Nm Torsional Stiffness 0.56 Axial Motion 0.3 mm Parallel Misalignment 0.4 l Maximum Speed 25,000 RPM Recommended Inserts CPF Full Bearing Support Required? Yes Zero-Backlash? Yes Balanced Design Yes Weight (lbs) 0.00 Temperature -22°F to 175°F (-30°C to 80°C) Material Specification 6082 Manufacturer Schmidt Kupplung UPC 6348	
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especially when the smallest standard bores are used or where shafts are unis possible below the rated torque. Keyways are available to provide additional shaft/hub connection when required. Please consult technical support for more	ue of the inserts. In some cases dersized, slippage on the shaft al torque capacity in the
Prop 65 WARNING This product can expose you to chemicals including Ethylene Tknown to the State of California to cause cancer, and Ethylene Thiourea known	Thiourea and Nickel (metallic),

Installation Instructions

1. Align the bores of the MCPRD19-10-A controlflex coupling hub on the shafts that are to be joined with the drive pins facing each other and determine if the misalignment parameters are within the limits of the coupling. (*Angular Misialignment:* 1.0°, *Parallel Misalignment:* 0.4 mm, *Axial Motion:* 0.3 mm)

cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

- 2. Rotate the hubs on the shaft so the drive pins are 90° from each other.
- 3. Place the first hub at the end of the shaft. Tighten the clamp screw to 0.4 Nm using a 5/64 in hex torque wrench.
- 4. Place an insert(s) with the standoffs facing the hub over the pins of the hub that was just installed.
- 5. Align the drive pins on the second hub to match the holes in the insert(s).
- 6. Verify that the space between hubs is 0.347 in, 8.8 mm.
- 7. Tighten the clamp screw on the second hub to the recommended seating torque of 0.4 Nm using a 5/64 in hex torque wrench.