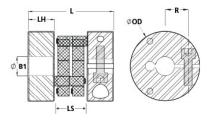




MCPTD37-11-A

Ruland MCPTD37-11-A, Controlflex Coupling Hub, Aluminum, Clamp Style, 37.0mm OD, 32.0mm Length





Description

Ruland MCPTD37-11-A is a Controlflex coupling hub with a 11mm bore, 37.0mm OD, and 32.0mm 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 15,000 RPM. This four-piece design allows for a highly customizable coupling that easily combines clamp hubs with inch, metric, keyed, and keyless bores. MCPTD37-11-A has a thinner length than regular hubs allowing it to be used in confined spaces. 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. MCPTD37-11-A is RoHS3 and REACH compliant.

Product Specifications

	B1 Max Shaft Penetration	15.9 mm
0 mm)	Bore Tolerance	+0.06 mm / +0.02 mm
	Length (L)	1.260 in (32.0 mm)
0 mm)	Forged Clamp Screw	M3
	Hex Wrench Size	2.5 mm
	Seating Torque	1.3 Nm
	Number of Screws	1 ea
	Angular Misalignment	1.0°
	Torsional Stiffness	3.40 Nm/Deg
	Parallel Misalignment	1.0 mm
	Recommended Inserts	CPFRG23/37-AT
	Zero-Backlash?	Yes
	Weight (Ibs)	0.046300
°F (-30°C to 80°C)	Material Specification	6082 Aluminum Bar
ed	Finish Specification	Clear Anodized
plung	UPC	634529227534
	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.		
Torque ratings for the couplings are based on the physical limitations/failure point of the inserts. Under normal/typical conditions the hubs are capable of holding up to the rated torque of the inserts. In some cases especially when the smallest standard bores are used or where shafts are undersized, slippage on the shaft is possible below the rated torque. Keyways are available to provide additional torque capacity in the shaft/hub connection when required. Please consult technical support for more assistance.		
MARNING This product can expose you to chemicals including Ethylene Thiourea and Nickel (metallic), known to the State of California to cause cancer, and Ethylene Thiourea known to the State of California to cause birth defects or other reproductive harm. For more information go to <u>www.P65Warnings.ca.gov</u> .		
the drive pins facing e s of the coupling. (<i>Ang</i> ate the hubs on the sh	ach other and determine if the mis ular Misialignment: 1.0°, Parallel M aft so the drive pins are 90° from e	each other.
	s of the coupling. (<i>Ang</i> ate the hubs on the sha e the first hub at the er ue wrench.	s of the coupling. (<i>Angular Misialignment:</i> 1.0°, <i>Parallel I</i> ate the hubs on the shaft so the drive pins are 90° from e e the first hub at the end of the shaft. Tighten the clamp

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- 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 0.708 in, 18.0 mm.
- 7. Tighten the clamp screw on the second hub to the recommended seating torque of 1.3 Nm using a 2.5 mm hex torque wrench.