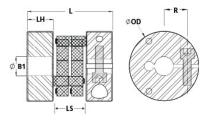




## CPRD35-14-A

Ruland CPRD35-14-A, Controlflex Coupling Hub, Aluminum, Clamp Style, 2.205" OD, 2.244" Length





## Description

Ruland CPRD35-14-A is a Controlflex coupling hub with a 0.8750" bore, 2.205" OD, and 2.244" 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 10,000 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. CPRD35-14-A is RoHS3 and REACH compliant.

## **Product Specifications**

6.0 mm) 7.0 mm) e	B1 Max Shaft PenetrationBore ToleranceLength (L)Forged Clamp ScrewHex Wrench SizeSeating TorqueNumber of ScrewsAngular MisalignmentTorsional StiffnessParallel MisalignmentRecommended InsertsZero-Backlash?Weight (lbs)	1.102 in +0.003 in / +0.001 in 2.244 in (57.0 mm) M6 5.0 mm 8.0 Nm 1 ea 1.0° 14.40 Nm/Deg 1.5 mm <u>CPFRG35/56-AT</u> Yes
7.0 mm) e M	Length (L) Forged Clamp Screw Hex Wrench Size Seating Torque Number of Screws Angular Misalignment Torsional Stiffness Parallel Misalignment Recommended Inserts Zero-Backlash?	2.244 in (57.0 mm) M6 5.0 mm 8.0 Nm 1 ea 1.0° 14.40 Nm/Deg 1.5 mm CPFRG35/56-AT
e M	Forged Clamp Screw Hex Wrench Size Seating Torque Number of Screws Angular Misalignment Torsional Stiffness Parallel Misalignment Recommended Inserts Zero-Backlash?	M6 5.0 mm 8.0 Nm 1 ea 1.0° 14.40 Nm/Deg 1.5 mm <u>CPFRG35/56-AT</u>
e M	Hex Wrench Size Seating Torque Number of Screws Angular Misalignment Torsional Stiffness Parallel Misalignment Recommended Inserts Zero-Backlash?	5.0 mm 8.0 Nm 1 ea 1.0° 14.40 Nm/Deg 1.5 mm <u>CPFRG35/56-AT</u>
e M	Seating Torque Number of Screws Angular Misalignment Torsional Stiffness Parallel Misalignment Recommended Inserts Zero-Backlash?	8.0 Nm 1 ea 1.0° 14.40 Nm/Deg 1.5 mm <u>CPFRG35/56-AT</u>
М	Number of ScrewsAngular MisalignmentTorsional StiffnessParallel MisalignmentRecommended InsertsZero-Backlash?	1 ea 1.0° 14.40 Nm/Deg 1.5 mm <u>CPFRG35/56-AT</u>
	Angular Misalignment Torsional Stiffness Parallel Misalignment Recommended Inserts Zero-Backlash?	1.0° 14.40 Nm/Deg 1.5 mm <u>CPFRG35/56-AT</u>
	Torsional Stiffness Parallel Misalignment Recommended Inserts Zero-Backlash?	14.40 Nm/Deg 1.5 mm <u>CPFRG35/56-AT</u>
	Parallel Misalignment Recommended Inserts Zero-Backlash?	1.5 mm CPFRG35/56-AT
	Recommended Inserts Zero-Backlash?	CPFRG35/56-AT
	Zero-Backlash?	
		Yes
	Weight (Ibs)	
		0.204700
′5°F (-30°C to 80°C)	Material Specification	6082 Aluminum Bar
lized	Finish Specification	Clear Anodized
upplung	UPC	634529223239
	Tariff Code	8483.60.8000
teel hubs are available ι	upon request.	
ce ratings are for guidan	ce only. The user must determine	suitability for a particular application.
cal conditions the hubs a when the smallest stand below the rated torque.	are capable of holding up to the ra	
<b>WARNING</b> 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> .		
		nment parameters are within the limits o
	defects or other reprod	

Ruland Manufacturing Co., Inc.

- 3. Place the first hub at the end of the shaft. Tighten the clamp screw to 8.0 Nm using a 5.0 mm 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 1.062 in, 27.0 mm.
  - 7. Tighten the clamp screw on the second hub to the recommended seating torque of 8.0 Nm using a 5.0 mm hex torque wrench.