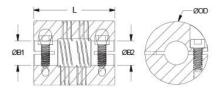




PCMR32-11-7-A

Ruland PCMR32-11-7-A, 11mm x 7mm Four Beam Coupling, Aluminum, Clamp Style, 31.8mm OD, 38.1mm Length





Description

Ruland PCMR32-11-7-A is a clamp style four beam coupling with 11mm x 7mm bores, 31.8mm OD, and 38.1mm length. It is machined from a single piece of material and feature two sets of two spiral cuts. This gives it higher torque capacity, lower windup, and larger body sizes than single beam couplings. PCMR32-11-7-A is zero-backlash and has a balanced design for reduced vibration at high speeds of up to 6,000 RPM. This four beam spiral coupling is zero-backlash and has a balanced design for reduced vibration at high speeds of up to 6,000 RPM. All hardware is metric and tests beyond DIN 912 12.9 standards for maximum torque capabilities. PCMR32-11-7-A is made from 7075 aluminum for lightweight and low inertia. It is machined from bar stock that is sourced exclusively from North American mills and RoHS3 and REACH compliant. PCMR32-11-7-A is manufactured in our Marlborough, MA factory under strict controls using proprietary processes.

Product Specifications

Screw Material Screw Finish Number of Scree Angular Misalig Parallel Misalig Axial Motion Moment of Iner Full Bearing Su Balanced Desig	Penetration 17.6 mm Penetration 17.6 mm Penetration 17.6 mm Penetration +0.025 mm / -0.000 mm I Shaft Tolerance +0.000 mm / -0.013 mm Alloy Steel Black Oxide Black Oxide Black gnment 3° 0.25 mm 0.25 mm rtia 9.948 x10 ⁻⁶ kg-m ²
Bore Tolerance Recommended Screw Material Screw Finish Number of Scree Angular Misalig Parallel Misalig Axial Motion Moment of Iner Full Bearing Su Balanced Desig	e +0.025 mm / -0.000 mm I Shaft Tolerance +0.000 mm / -0.013 mm Alloy Steel Black Oxide ews 2 ea gnment 3° gnment 0.38 mm 0.25 mm 9.948 x10 ⁻⁶ kg-m ²
Recommended Screw Material Screw Finish Number of Scree Angular Misalig Parallel Misalig Axial Motion Moment of Inert Full Bearing Su Balanced Desig	I Shaft Tolerance +0.000 mm / -0.013 mm Alloy Steel Black Oxide ews 2 ea gnment 3° 0.38 mm 0.25 mm rtia 9.948 x10 ⁻⁶ kg-m ²
Screw Material Screw Finish Number of Scree Angular Misalig Parallel Misalig Axial Motion Moment of Iner Full Bearing Su Balanced Desig	Alloy Steel Black Oxide ews 2 ea gnment 3° 0.38 mm 0.25 mm rtia 9.948 x10 ⁻⁶ kg-m ²
Screw Finish Number of Scree Angular Misalig Parallel Misalig Axial Motion Moment of Iner Full Bearing Su Balanced Desig	Black Oxide Black Oxide 2 ea gnment 3° 0.38 mm 0.25 mm vrtia 9.948 x10 ⁻⁶ kg-m ²
Number of Scree Angular Misalig Parallel Misalig Axial Motion Moment of Iner Full Bearing Su Balanced Desig	ews 2 ea gnment 3° gnment 0.38 mm 0.25 mm rtia 9.948 x10 ⁻⁶ kg-m ²
Angular Misalig Parallel Misalig Axial Motion Moment of Iner Full Bearing Su Balanced Desig	gnment 3° gnment 0.38 mm 0.25 mm rtia 9.948 x10 ⁻⁶ kg-m ²
Parallel Misalig Axial Motion Moment of Iner Full Bearing Su Balanced Desig	one 0.38 mm 0.25 mm 0.25 mm rtia 9.948 x10 ⁻⁶ kg-m ²
Axial Motion Moment of Iner Full Bearing Su Balanced Desig	0.25 mm rtia 9.948 x10 ⁻⁶ kg-m ²
Moment of Iner Full Bearing Su Balanced Desig	rtia 9.948 x10 ⁻⁶ kg-m ²
Full Bearing Su Balanced Desig	
Balanced Desig	
	upport Required? Yes
	gn Yes
Recommended	I Hex Key Metric Hex Keys
nd Drawn Temperature	-40°F to 225°F (-40°C to 107°C)
Manufacturer	Ruland Manufacturing
Weight (lbs)	0.134900
Tariff Code	8483.60.8000
naximum misalignment.	
e for guidance only. The user	must determine suitability for a particular application.
onditions the hubs are capable	ysical limitations/failure point of the machined beams. e of holding up to the rated torque of the machined
	t standard bores are used or where shafts are he rated torque of the machined beams. Please consul
	nemical Ethylene Thiourea, known to the State of reproductive harm. For more information go to
0	duct can expose you to the ch

determine if the misalignment parameters are within the limits of the coupling. (*Angular Misialignment:* 3°, *Parallel Misalignment:* 0.38 mm, *Axial Motion:* 0.25 mm)

- 2. Fully tighten the M4 screw on one hub to the recommended seating torque of 4.6 Nm using a 3.0 mm hex torque wrench.
- 3. Before tightening the screws on the second hub, rotate the coupling by hand to allow it to reach its free length.
- 4. Tighten the screws on the second hub to the recommended seating torque. Make sure the coupling remains axially relaxed and the misalignment angle remains centered along the length of the coupling.
- 5. The shafts may extend into the relieved portion of the bore as long as it does not exceed the shaft penetration length of 17.6 mm.