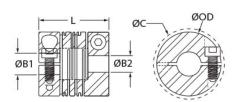




MRSC16-4-4-A

Ruland MRSC16-4-4-A, 4mm x 4mm Short Slit Coupling, Aluminum, Clamp Style, 16.0mm OD, 19.8mm length





Description

Ruland MRSC16-4-4-A is a clamp style slit coupling with 4mm x 4mm bores, 16.0mm OD, and 19.8mm length. It is manufactured from a single piece of material and has two sets of intermittent slit cuts allowing for a maintenance-free coupling with high torsional stiffness in relation to comparable couplings, such as beam type. MRSC16-4-4-A is commonly used in precise positioning applications found in semiconductor, medical, and test and measurement equipment. This short style slit coupling is ideal for compact installations where the long type may not fit. It is a suitable alternative to comparatively sized disc couplings due to the ability to accommodate all forms of misalignment whereas a single disc coupling has no accommodation for parallel misalignment. MRSC16-4-4-A is zero-backlash, has a balanced design for reduced vibration at speeds up to 10,000 RPM, and can accommodate all forms of misalignment with light bearing loads. It is manufactured by Reliance Precision Ltd. in their County Cork, Ireland factory from 7075 aluminum for lightweight and low inertia. MRSC16-4-4-A is inventoried by Ruland and RoHS3 and REACH compliant.

Product Specifications

4 mm	Small Bore (B2)	4 mm
7.9 mm	B2 Max Shaft Penetration	7.9 mm
16 mm	Bore Tolerance	+0.020 mm / +0.000 mm
19.8 mm	Clearance Diameter (C) MAX	18.0 mm
M2	Screw Material	18-8 300 Series Stainless Steel
1.5 mm	Screw Finish	Bright
0.36 Nm	Number of Screws	2
0.55 Nm	Angular Misalignment	2.5°
0.85 Nm	Parallel Misalignment	0.10 mm
1.25 Nm	Axial Motion	0.40 mm
1.2 Nm/Deg	Moment of Inertia	0.0010013 lb-in ²
10,000 RPM	Full Bearing Support Required?	Yes
Yes	Balanced Design	Yes
7075-T651 Extruded and Drawn Aluminum Bar	Temperature	-110°F to 175°F (-80°C to 80°C)
SurTec 650	Manufacturer	Reliance Precision Limited
Ireland	Weight (lbs)	0.018400
634529302453	Tariff Code	8483.60.8000
31163003		
Performance ratings are for guidan	ce only. The user must determine su	itability for a particular application
	7.9 mm 16 mm 19.8 mm M2 1.5 mm 0.36 Nm 0.55 Nm 0.85 Nm 1.25 Nm 1.25 Nm 1.2 Nm/Deg 10,000 RPM Yes 7075-T651 Extruded and Drawn Aluminum Bar SurTec 650 Ireland 634529302453 31163003	7.9 mm B2 Max Shaft Penetration Bore Tolerance 19.8 mm Clearance Diameter (C) MAX M2 Screw Material 1.5 mm Screw Finish 0.36 Nm Number of Screws 0.55 Nm Angular Misalignment 0.85 Nm Parallel Misalignment 1.25 Nm Axial Motion 1.2 Nm/Deg Moment of Inertia 10,000 RPM Full Bearing Support Required? Yes Balanced Design 7075-T651 Extruded and Drawn Aluminum Bar SurTec 650 Manufacturer Ireland Weight (Ibs) 634529302453 Tariff Code

▲WARNING This product can expose you to the chemical Nickel (metallic), known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.