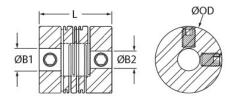




MRSS25-10-9-A

Ruland MRSS25-10-9-A, 10mm x 9mm Short Slit Coupling, Aluminum, Set Screw Style, 25.0mm OD, 25.8mm length





Description

Ruland MRSS25-10-9-A is a set screw style slit coupling with 10mm x 9mm bores, 25.0mm OD, and 25.8mm 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. MRSS25-10-9-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 accomodation for parallel misalignment. MRSS25-10-9-A is zero-backlash, has a balanced design for reduced vibration at speeds up to 15,000 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. MRSS25-10-9-A is inventoried by Ruland and RoHS3 and REACH compliant.

Product Specifications

10 mm	Small Bore (B2)	9 mm
9.6 mm	B2 Max Shaft Penetration	9.6 mm
25 mm	Bore Tolerance	+0.020 mm / +0.000 mm
25.8 mm	Forged Set Screw	M5
18-8 300 Series Stainless Steel	Hex Wrench Size	2.5 mm
Bright	Seating Torque	3.20 Nm
4	Dynamic Torque Reversing	2.05 Nm
3°	Dynamic Torque Non-Reversing	3.10 Nm
0.16 mm	Peak Torque	5.20 Nm
0.70 mm	Torsional Stiffness	3 Nm/Deg
0.0077813 lb-in ²	Maximum Speed	15,000 RPM
Yes	Zero-Backlash?	Yes
Yes	Material Specification	7075-T651 Extruded and Drawr Aluminum Bar
-110°F to 175°F (-80°C to 80°C)	Finish Specification	SurTec 650
Reliance Precision Limited	Country of Origin	Ireland
0.054800	UPC	634529301159
8483.60.8000	UNSPC	31163003
Performance ratings are for guidance only. The user must determine suitability for a particular application		
	9.6 mm 25 mm 25.8 mm 18-8 300 Series Stainless Steel Bright 4 3° 0.16 mm 0.70 mm 0.0077813 lb-in ² Yes Yes -110°F to 175°F (-80°C to 80°C) Reliance Precision Limited 0.054800 8483.60.8000	9.6 mmB2 Max Shaft Penetration25 mmBore Tolerance25.8 mmForged Set Screw18-8 300 Series Stainless SteelHex Wrench SizeBrightSeating Torque4Dynamic Torque Reversing3°Dynamic Torque Non-Reversing0.16 mmPeak Torque0.70 mmTorsional Stiffness0.0077813 lb-in²Maximum SpeedYesZero-Backlash?-110°F to 175°F (-80°C to 80°C)Finish Specificationeliance Precision LimitedCountry of Origin0.054800UPC8483.60.8000UNSPC

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 <u>www.P65Warnings.ca.gov</u>.