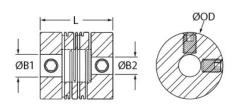




## MRSS6-3-3-A

Ruland MRSS6-3-3-A, 3mm x 3mm Short Slit Coupling, Aluminum, Set Screw Style, 6.0mm OD, 9.4mm length





## **Description**

Ruland MRSS6-3-3-A is a set screw style slit coupling with 3mm x 3mm bores, 6.0mm OD, and 9.4mm 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. MRSS6-3-3-A has small dimensions and is designed to mate with micro motors, ball screws, and lead screws in high precision medical and scientific 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. MRSS6-3-3-A is zero-backlash, has a balanced design for reduced vibration at speeds up to 70,000 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. MRSS6-3-3-A is inventoried by Ruland and RoHS3 and REACH compliant.

**Product Specifications** 

3 mm	Small Bore (B2)	3 mm
4.8 mm	B2 Max Shaft Penetration	4.8 mm
6 mm	Bore Tolerance	+0.010 mm / -0.000 mm
9.4 mm	Slotted Set Screw	M1.2
18-8 300 Series Stainless Steel	Screw Finish	Bright
4	Dynamic Torque Reversing	0.10 Nm
1.7°	<b>Dynamic Torque Non-Reversing</b>	0.15 Nm
0.02 mm	Peak Torque	0.25 Nm
0.06 mm	Torsional Stiffness	0.1 Nm/Deg
0.00000953 lb-in <sup>2</sup>	Maximum Speed	70,000 RPM
Yes	Zero-Backlash?	Yes
Yes	Material Specification	7075-T651 Extruded and Drawn Aluminum Bar
-110°F to 175°F (-80°C to 80°C)	Finish Specification	SurTec 650
Reliance Precision Limited	Country of Origin	Ireland
0.001100	UPC	634529296523
8483.60.8000	UNSPC	31163003
D (		
Performance ratings are for guidar	ice only. The user must determine su	itability for a particular application
	4.8 mm 6 mm 9.4 mm 18-8 300 Series Stainless Steel 4 1.7° 0.02 mm 0.06 mm 0.00000953 lb-in² Yes Yes -110°F to 175°F (-80°C to 80°C) Reliance Precision Limited 0.001100 8483.60.8000	4.8 mm  6 mm  Bore Tolerance  9.4 mm  Slotted Set Screw  18-8 300 Series Stainless Steel  Country of Origin  9.4 mm  Slotted Set Screw  Screw Finish  Dynamic Torque Reversing  Dynamic Torque Non-Reversing  Dynamic Torque Non-Reversing  Naximum Speed  Zero-Backlash?  Waterial Specification  Reliance Precision Limited  Country of Origin  UPC

▲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 <a href="https://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>.