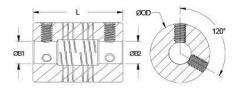




FSMR38-15-12-SS

Ruland FSMR38-15-12-SS, 15mm x 12mm Six Beam Coupling, Stainless Steel, Set Screw Style, 38.1mm OD, 57.2mm Length





Description

Ruland FSMR38-15-12-SS is a set screw style six beam coupling with 15mm x 12mm bores, 38.1mm OD, and 57.2mm length. It is machined from a single piece of material and features two sets of three spiral cuts. This gives it higher torque capacity, lower windup, and larger body sizes than single or four beam couplings and allows for use in light duty power transmission applications such as coupling a servo motor to a lead screw. FSMR38-15-12-SS 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. FSMR38-15-12-SS is made from 303 stainless steel for increased torque capacity. It is machined from bar stock that is sourced exclusively from North American mills and RoHS3 and REACH compliant. FSMR38-15-12-SS is manufactured in our Marlborough, MA factory under strict controls using proprietary processes.

Product Specifications

Bore Tole Recomm Screw Ma Screw Fi Number of Angular I Parallel M Axial Mor Moment of Full Bear Torque V	Shaft Penetration27lerance+0nended Shaft Tolerance+0MaterialAlinishBlof Screws4Misalignment33Misalignment0.otion0.of Inertia83aring Support Required?YoWrenchT	76 mm 38 mm 3.407 x10 ⁻⁶ kg-m ² es <u>W:BT-4C-3/8-64</u>
Bore Tole Recomm Screw Ma Screw Fi Number of Angular I Parallel M Axial Mor Moment of Full Bear Torque V	Ierance+0nended Shaft Tolerance+0MaterialAlTinishBlof Screws4Misalignment3°Misalignment0.otion0.of Inertia8°aring Support Required?YoWrenchT	0.025 mm / -0.000 mm 0.000 mm / -0.013 mm loy Steel ack Oxide ea 76 mm 38 mm 3.407 x10 ⁻⁶ kg-m ² es <u>W:BT-4C-3/8-64</u>
Recomm Screw Ma Screw Fil Number of Angular I Parallel M Axial Mot Moment of Full Bear Torque V	nended Shaft Tolerance+0MaterialAlTinishBlof Screws4Misalignment3°Misalignment0.otion0.of Inertia83aring Support Required?YoWrenchT	0.000 mm / -0.013 mm loy Steel ack Oxide ea 76 mm 38 mm 3.407 x10 ⁻⁶ kg-m ² es <u>W:BT-4C-3/8-64</u>
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Moment Full Bear Torque V	aring Support Required? Yo Wrench	3.407 x10 ⁻⁶ kg-m ² es <u>N:BT-4C-3/8-64</u>
Full Bear Torque V	ring Support Required? Ye Wrench	es <u>N:BT-4C-3/8-64</u>
Torque V	Wrench T	<u>N:BT-4C-3/8-64</u>
Material	Specification Ty	ma 202 Avetanitia Nam Manasti
	Ba	/pe 303 Austenitic, Non-Magnetic ar
0°C to 176°C) Finish Sp	pecification B	ight, No Plating
uring Country	of Origin U	SA
UPC	63	34529046777
UNSPC	31	163003
e at maximum misalignment.	t.	
gs are for guidance only. Th	he user must determine suitab	ility for a particular application.
Torque ratings for the couplings are based on the physical limitations/failure point of the machined beams. Under normal/typical conditions the hubs are capable of holding up to the rated torque of the machined beams. In some cases, especially when the smallest standard bores are used or where shafts are undersized, slippage on the shaft is possible below the rated torque of the machined beams. Please consult technical support for more assistance.		
e of California to cause canc	cer, and Ethylene Thiourea kn	own to the State of California to
	ases, especially when the s ige on the shaft is possible for more assistance. s product can expose you t e of California to cause can	ases, especially when the smallest standard bores are us uge on the shaft is possible below the rated torque of the u

determine if the misalignment parameters are within the limits of the coupling. (Angular

Misialignment: 3°, Parallel Misalignment: 0.76 mm, Axial Motion: 0.38 mm)

- Fully tighten the M6 screws on one hub to the recommended seating torque of 7.2 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.
- 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 27.3 mm.