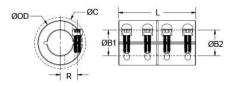




MCLX-25-25-F

Ruland MCLX-25-25-F, 25mm x 25mm Rigid Coupling, Black Oxide Steel, One-Piece Clamp Style, 45mm OD, 75mm Length





Description

Ruland MCLX-25-25-F is a one-piece rigid coupling with 25mm x 25mm bores, 45mm OD, and 75mm length. It has precision honed bores to ensure they are collinear and do not introduce misalignment or vibration into the system making it suitable for high precision servo appliactions as well as shaft to shaft connections. Proprietary Nypatch® anti-vibration coating on hardware allows for even seating of the screw, repeated screw installations, prevents galling, and maintains high holding power. It eliminates the need to treat screws upon receipt greatly reducing installation time. Forged screws test beyond DIN 912 12.9 standards to ensure maximum holding power. Tightly controlled bore tolerance of +.050mm/+.012mm is maintained. MCLX-25-25-F is made from 1215 lead-free steel with a proprietary black oxide finish that produces a fine glossy finish while increasing holding power and resisting corrosion. It is machined from solid bar stock that is sourced exclusively from North American mills and is RoHS3 and REACH compliant. MCLX-25-25-F is manufactured in our Marlborough, MA factory under strict controls using proprietary processes.

Product Specifications

25 mm 37.5 mm 45 mm 75 mm +0.000 mm / -0.013 mm Alloy Steel with <u>Nypatch®</u> Black Oxide 16.9 mm	Small Bore (B2) B2 Max Shaft Penetration Bore Tolerance Clearance Diameter (C) MAX Forged Clamp Screw Hex Wrench Size	25 mm 37.5 mm +0.050 mm / +0.012 mm 51.5 mm M6 5.0 mm
45 mm 75 mm +0.000 mm / -0.013 mm Alloy Steel with <u>Nypatch®</u> Black Oxide	Bore Tolerance Clearance Diameter (C) MAX Forged Clamp Screw	+0.050 mm / +0.012 mm 51.5 mm M6
75 mm +0.000 mm / -0.013 mm Alloy Steel with <u>Nypatch®</u> Black Oxide	Clearance Diameter (C) MAX Forged Clamp Screw	51.5 mm M6
+0.000 mm / -0.013 mm Alloy Steel with <u>Nypatch®</u> Black Oxide	Forged Clamp Screw	M6
Alloy Steel with <u>Nypatch®</u> Black Oxide		
Black Oxide	Hex Wrench Size	E 0 mm
		5.0 11111
16.9 mm	Seating Torque	16 Nm
	Number of Screws	4 ea
400 Nm	Moment of Inertia	1.999 x 10 ⁻⁴ kg-m ²
4,000 RPM	Full Bearing Support Required?	No
Yes	Precision Honed Bores?	Yes
Yes	Material Specification	1215 Carbon Steel Bar
-40°F to 350°F (-40°C to 176°C)	Finish Specification	Hot Process Black Oxide, Impregnated with Naphthenic Oi Centrifugally Dried
Ruland Manufacturing	Country of Origin	USA
1.330800	UPC	634529014103
8483.60.8000	UNSPC	31163009
Performance ratings are for guidance only. The user must determine suitability for a particular application.		
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be no misalignment.		
	 1.330800 8483.60.8000 Performance ratings are for guidan WARNING This product can exp California to cause cancer and birth www.P65Warnings.ca.gov. 1. Align the MCLX-25-25-F o be no misalignment. 	1.330800 UPC 8483.60.8000 UNSPC Performance ratings are for guidance only. The user must determine su MARNING This product can expose you to the chemical Ethylene Th California to cause cancer and birth defects or other reproductive harm. www.P65Warnings.ca.gov. 1. Align the MCLX-25-25-F one-piece rigid coupling on the two shares

 Tighten the Nypatch® screws in two stages, starting with the inside screws. Using a 5.0 mm torque wrench, tighten the inside screws to 8 Nm which is half the recommended seating torque. Repeat for the outside screws, again tightening to half of the recommended seating torque.

3. Tighten the screws to the full recommended seating torque of 16 Nm following the same pattern, starting with the inside screws first.

Ruland Manufacturing Co., Inc.