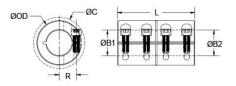




## CLX-32-32-F

Ruland CLX-32-32-F, 2" x 2" Rigid Coupling, Black Oxide Steel, One-Piece Clamp Style, 3 3/8" OD, 4 7/8" Length





## Description

Ruland CLX-32-32-F is a one-piece rigid coupling with 2.0000" x 2.0000" bores, 3 3/8" OD, and 4 7/8" 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 ANSI standards to ensure maximum holding power. Tightly controlled bore tolerance of +.002"/+.0005" is maintained. CLX-32-32-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. CLX-32-32-F is manufactured in our Marlborough, MA factory under strict controls using proprietary processes.

Product Specifications	Prod	JCt S	Spe	cific	atio	ns
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Product Specifications					
Bore (B1)	2.0000 in	Small Bore (B2)	2.0000 in		
B1 Max Shaft Penetration	2.437 in	B2 Max Shaft Penetration	2.437 in		
Outer Diameter (OD)	3 3/8 in	Bore Tolerance	+0.0020 in / +0.0005 in		
Length (L)	4 7/8 in	Clearance Diameter (C) MAX	3.717 in		
Recommended Shaft Tolerance	+0.0000 in / -0.0005 in	Forged Clamp Screw	3/8-24		
Screw Material	Alloy Steel with Nypatch®	Hex Wrench Size	5/16 in		
Screw Finish	Black Oxide	Seating Torque	570 lb-in		
Screw Location (R)	1.391 in	Number of Screws	4 ea		
Rated Torque	20250 in-lb	Moment of Inertia	14.7725 lb-in <sup>2</sup>		
Maximum Speed	4,000 RPM	Full Bearing Support Required?	No		
Nypatch® Anti-Vibration Hardware?	Yes	Precision Honed Bores?	Yes		
Zero-Backlash?	Yes	Material Specification	1215 Carbon Steel Bar		
Temperature	-40°F to 350°F (-40°C to 176°C)	Finish Specification	Hot Process Black Oxide, Impregnated with Naphthenic Oil, Centrifugally Dried		
Manufacturer	Ruland Manufacturing	Country of Origin	USA		
Weight (Ibs)	7.705400	UPC	634529004517		
Tariff Code	8483.60.8000	UNSPC	31163009		
Note 1	Performance ratings are for guidance only. The user must determine suitability for a particular application.				
Prop 65	<b>WARNING</b> This product can expose you to the chemical Ethylene Thiourea, known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> .				
Installation Instructions					
	no misalignment. 2. Tighten the Nypatch® scro	e-piece rigid coupling on the two shaf ews in two stages, starting with the in	side screws. Using a 5/16 in torque		

- Tighten the Nypatch® screws in two stages, starting with the inside screws. Using a 5/16 in torque wrench, tighten the inside screws to 285 lb-in 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 570 lb-in following the same pattern, starting with the inside screws first.