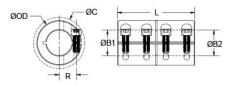




CLX-12-12-F

Ruland CLX-12-12-F, 3/4" x 3/4" Rigid Coupling, Black Oxide Steel, One-Piece Clamp Style, 1 1/2" OD, 2 1/4" Length





Description

Ruland CLX-12-12-F is a one-piece rigid coupling with 0.7500" x 0.7500" bores, 1 1/2" OD, and 2 1/4" 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-12-12-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-12-12-F is manufactured in our Marlborough, MA factory under strict controls using proprietary processes.

0.7500 in	Small Bara (B2)	
	Small Bore (B2)	0.7500 in
1.125 in	B2 Max Shaft Penetration	1.125 in
1 1/2 in	Bore Tolerance	+0.0020 in / +0.0005 in
2 1/4 in	Clearance Diameter (C) MAX	1.842 in
+0.0000 in / -0.0005 in	Forged Clamp Screw	1/4-28
Alloy Steel with Nypatch®	Hex Wrench Size	3/16 in
Black Oxide	Seating Torque	170 lb-in
0.545 in	Number of Screws	4 ea
3,200 lb-in	Moment of Inertia	0.2798 lb-in 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 Oil Centrifugally Dried
Ruland Manufacturing	Country of Origin	USA
0.789300	UPC	634529003794
8483.60.8000	UNSPC	31163009
Performance ratings are for guidance only. The user must determine suitability for a particular application.		
no misalignment. 2. Tighten the Nypatch® scr	ews in two stages, starting with the in	side screws. Using a 3/16 in torque
	1 1/2 in 2 1/4 in +0.0000 in / -0.0005 in Alloy Steel with Nypatch® Black Oxide 0.545 in 3,200 lb-in 4,000 RPM Yes Yes -40°F to 350°F (-40°C to 176°C) Ruland Manufacturing 0.789300 8483.60.8000 Performance ratings are for guidar ▲WARNING This product can ex California to cause cancer and birt www.P65Warnings.ca.gov.	1 1/2 in Bore Tolerance 2 1/4 in Clearance Diameter (C) MAX +0.0000 in / -0.0005 in Forged Clamp Screw Alloy Steel with Nypatch® Hex Wrench Size Black Oxide Seating Torque 0.545 in Number of Screws 3,200 lb-in Moment of Inertia 4,000 RPM Full Bearing Support Required? Yes Precision Honed Bores? Yes Material Specification -40°F to 350°F (-40°C to 176°C) Finish Specification Ruland Manufacturing Country of Origin 0.789300 UPC 8483.60.8000 UNSPC Performance ratings are for guidance only. The user must determine su MWARNING This product can expose you to the chemical Ethylene The California to cause cancer and birth defects or other reproductive harm. www.P65Warnings.ca.gov. 1. Align the CLX-12-12-F one-piece rigid coupling on the two shaft

- Tighten the Nypatch® screws in two stages, starting with the inside screws. Using a 3/16 in torque wrench, tighten the inside screws to 85 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 170 lb-in following the same pattern, starting with the inside screws first.