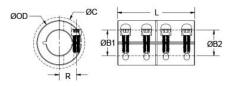




CLX-3-3-F

Ruland CLX-3-3-F, 3/16" x 3/16" Rigid Coupling, Black Oxide Steel, One-Piece Clamp Style, 9/16" OD, 7/8" Length





Description

Ruland CLX-3-3-F is a one-piece rigid coupling with 0.1875" x 0.1875" bores, 9/16" OD, and 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-3-3-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-3-3-F is manufactured in our Marlborough, MA factory under strict controls using proprietary processes.

Product Specifications

MARNING This product cap over	ose you to the chemical Ethylope Th	
Performance ratings are for guidance only. The user must determine suitability for a particular application MWARNING This product can expose you to the chemical Ethylene Thiourea, known to the State of		
31163009		
634529102909	Tariff Code	8483.60.8000
USA	Weight (Ibs)	0.048300
Hot Process Black Oxide, Impregnated with Naphthenic Oil, Centrifugally Dried	Manufacturer	Ruland Manufacturing
1215 Carbon Steel Bar	Temperature	-40°F to 350°F (-40°C to 176°C)
Yes	Zero-Backlash?	Yes
4,000 RPM	Full Bearing Support Required?	No
28 in-lb	Moment of Inertia	0.0021 lb-in ²
0.185 in	Number of Screws	4 ea
Black Oxide		6 lb-in
	•	5/64 in
		#2-56
		+0.0020 in / +0.0005 in 0.651 in
		0.437 in
	. ,	0.1875 in
	0.185 in 28 in-lb 4,000 RPM Yes 1215 Carbon Steel Bar Hot Process Black Oxide, Impregnated with Naphthenic Oil, Centrifugally Dried USA 634529102909 31163009	0.437 inB2 Max Shaft Penetration9/16 inBore Tolerance7/8 inClearance Diameter (C) MAX+0.0000 in / -0.0005 inForged Clamp ScrewAlloy SteelHex Wrench SizeBlack OxideSeating Torque0.185 inNumber of Screws28 in-lbMoment of Inertia4,000 RPMFull Bearing Support Required?YesZero-Backlash?1215 Carbon Steel BarTemperatureHot Process Black Oxide, Impregnated with Naphthenic Oil, Centrifugally DriedWeight (Ibs)G34529102909Tariff Code31163009Setting Support Screws

- Align the CLX-3-3-F one-piece rigid coupling on the two shafts to be connected. There should be no misalignment.
- 2. Tighten the Nypatch® screws in two stages, starting with the inside screws. Using a 5/64 in torque wrench, tighten the inside screws to 3 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 6 lb-in following the same pattern, starting with the inside screws first.