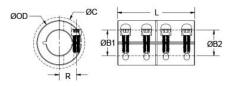




## MCLX-30-25-F

Ruland MCLX-30-25-F, 30mm x 25mm Rigid Coupling, Black Oxide Steel, One-Piece Clamp Style, 53mm OD, 83mm Length





## Description

Ruland MCLX-30-25-F is a one-piece rigid coupling with 30mm x 25mm bores, 53mm OD, and 83mm length. 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-30-25-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-30-25-F is manufactured in our Marlborough, MA factory under strict controls using proprietary processes.

## **Product Specifications**

	Small Bore (B2)	25 mm
	B2 Max Shaft Penetration	41.5 mm
	Bore Tolerance	+0.050 mm / +0.012 mm
	Recommended Shaft Tolerance	+0.000 mm / -0.013 mm
	Screw Material	Alloy Steel with Nypatch®
	Screw Finish	Black Oxide
	Number of Screws	4 ea
	Moment of Inertia	4.380 x 10 <sup>-4</sup> kg-m <sup>2</sup>
	Full Bearing Support Required?	No
	Zero-Backlash?	Yes
on Steel Bar	Temperature	-40°F to 350°F (-40°C to 176°C)
s Black Oxide, d with Naphthenic Oil, ly Dried	Manufacturer	Ruland Manufacturing
	Weight (Ibs)	2.168400
866	Tariff Code	8483.60.8000
Performance ratings are for guidance only. The user must determine suitability for a particular application		
<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> .		
C	o cause cancer and birth	o cause cancer and birth defects or other reproductive harm.

1. Align the MCLX-30-25-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 5.0 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.