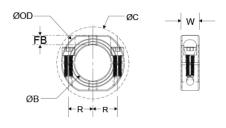




OF-MSP-20-F

Ruland OF-MSP-20-F, 20mm Shaft Collar With OD Flats And Holes, Black Oxide Steel, Two-Piece Clamp Style, 40mm OD, 15mm Width



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Description

Ruland OF-MSP-20-F is a two-piece shaft collar with a 20mm bore, 40mm OD, and 15mm width. It has OD flats and tapped holes for mounting shaft collars to each other or adjacent components. The clamp style design does not mar the shaft, is easy to remove, and is indefinitely adjustable. OF-MSP-20-F is commonly used for guiding, spacing, stopping, mounting, and component alignment. Equipment manufacturers benefit from the tightly controlled face to bore perpendicularity (TIR of ? .05mm). Perpendicularity is critical for alignment when the shaft collar is used as a load bearing face, mechanical stop, or for mounting components such as gears or bearings. Proprietary processes have been developed by Ruland to maintain superior fit, finish, and holding power. OF-MSP-20-F is stamped with the Ruland name and bore size for ease of identification. Halves are mated throughout the manufacturing process for proper fit and alignment. Forged screws test beyond DIN 912 12.9 standards to ensure maximum holding power. OF-MSP-20-F is manufactured from solid bar stock sourced from select North American mills and machined to a fine burr free finish. Ruland uses 1215 lead-free steel with a proprietary black oxide finish that produces a fine glossy finish while increasing holding power and resisting corrosion. OF-MSP-20-F is RoHS3 and REACH compliant and manufactured in our Marlborough, MA factory under strict controls using proprietary processes.

20 mm	Bore Tolerance	+0.050 mm / +0.012 mm
40 mm	Clearance Diameter (C) MAX	47.4 mm
15 mm	Width Tolerance	+0.076 mm / -0.254 mm
M6	Distance Across Flats (F)	36 mm
8 mm	Recommended Gap	1.590 in
+0.000 mm / -0.013 mm	Forged Clamp Screw	M6 x 16
Alloy Steel	Hex Wrench Size	5.0 mm
Black Oxide	Seating Torque	16 Nm
14.73 mm	Number of Screws	2 ea
1215 Carbon Steel Bar	Temperature	-40°F to 350°F (-40°C to 176°C)
Hot Process Black Oxide, Impregnated with Naphthenic Oil, Centrifugally Dried	Manufacturer	Ruland Manufacturing
USA	Weight (Ibs)	0.203000
634529221044	Tariff Code	8483.60.8000
31162811		
Additional mounting hardware not included.		
	p-piece shaft collar as it is received.	
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	40 mm 15 mm M6 8 mm +0.000 mm / -0.013 mm Alloy Steel Black Oxide 14.73 mm 1215 Carbon Steel Bar Hot Process Black Oxide, Impregnated with Naphthenic Oil, Centrifugally Dried USA 634529221044 31162811 Additional mounting hardware not i ▲WARNING This product can exp California to cause cancer and birth www.P65Warnings.ca.gov.	40 mm Clearance Diameter (C) MAX 15 mm Width Tolerance M6 Distance Across Flats (F) 8 mm Recommended Gap +0.000 mm / -0.013 mm Forged Clamp Screw Alloy Steel Hex Wrench Size Black Oxide Seating Torque 14.73 mm Number of Screws 1215 Carbon Steel Bar Temperature Hot Process Black Oxide, Manufacturer Impregnated with Naphthenic Oil, Centrifugally Dried USA Weight (lbs) 634529221044 Tariff Code 31162811 Additional mounting hardware not included. MARNING This product can expose you to the chemical Ethylene California to cause cancer and birth defects or other reproductive harm www.P65Warnings.ca.gov. 1. Use the OF-MSP-20-F two-piece shaft collar as it is received.

- 3. Apply a thin coat of light oil to the shaft.
- 4. Place the collar onto the desired shaft location and tighten it using a 5.0 mm hex wrench until a slight resistance is felt.
- 5. Be sure to maintain the gap of 1.590 in between the two halves of the collar during installation.
- 6. Wring collar into its final position and tighten the screw to the full recommended seating torque of 16 Nm using a 5.0 mm torque wrench.