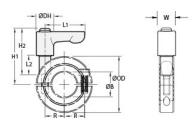




## LVO-MSP-20-F

Ruland LVO-MSP-20-F, 20mm Two-Piece Shaft Collar with Clamping Lever, Steel Collar with Zinc Plated Lever, 40mm OD, 15mm Width





## Description

Ruland LVO-MSP-20-F is a two-piece quick clamping shaft collar with clamping lever with a 20mm bore, 40mm OD, and 15mm width. It is made from MSP-20-F and LF45-CL-M6:18-ZS. The clamp style design does not mar the shaft, is easy to remove, and is indefinitely adjustable. The threaded stud on the lever is used in place of standard collar hardware. Two-piece shafts collars can be assembled in-lace without the need to remove other components. Ruland mates halves throughout the manufacturing process for proper fit, alignment, and holding power. When combined, the two parts create a shaft collar that requires no tools to install, remove, or reposition and is ideally suited for packaging, printing, and other applications where frequent setup changes and adjustments are needed. Once the lever is installed in the shaft collar, users simply turn the lever until they meet their desired torque. The adjustable lever can be reposition by the user without the loss of holding power by lifting the handle and twisting it 40° to lock it in a new position. This allows for use in space constrained environments where 360° rotation is not possible to fully seat the lever. MSP-20-F is made from 1215 lead-free steel with a black oxide finish. LF45-CL-M6:18-ZS has a zinc plated steel handle and stainless steel threaded stud. This material combination allows for a durable quick clamping and release component with relatively high holding power that is suitable for most industrial applications. The lever is orange for safety and ease of identification. MSP-20-F is manufactured by Ruland and LF45-CL-M6:18-ZS is manufactured by Otto Ganter. LVO-MSP-20-F is RoHS3 and REACH compliant.

**Product Specifications** 

Bore (B) Outer Diameter (OD) Width (W) Lever Length L1 Hub Diameter DH Recommended Gap Thread TH Seating Torque Number of Screws	20 mm 40 mm 15 mm 45 mm 13 mm 1.59 mm	Bore Tolerance Center to Lever Top H1 Width Tolerance Lever Height H2 Sleeve Length L2 Recommended Shaft Tolerance	+0.050 mm / +0.012 mm 38.8 mm +0.076 mm / -0.254 mm 38.5 mm 18 mm
Width (W) Lever Length L1 Hub Diameter DH Recommended Gap Thread TH Seating Torque Number of Screws	15 mm 45 mm 13 mm 1.59 mm	Width Tolerance Lever Height H2 Sleeve Length L2	+0.076 mm / -0.254 mm 38.5 mm 18 mm
Lever Length L1 Hub Diameter DH Recommended Gap Thread TH Seating Torque Number of Screws	45 mm 13 mm 1.59 mm	Lever Height H2 Sleeve Length L2	38.5 mm 18 mm
Hub Diameter DH Recommended Gap Thread TH Seating Torque Number of Screws	13 mm 1.59 mm	Sleeve Length L2	18 mm
Recommended Gap Thread TH Seating Torque Number of Screws	1.59 mm		
Thread TH Seating Torque Number of Screws		Recommended Shaft Tolerance	
Seating Torque Number of Screws	M6	recommended onait rolerance	+0.000 mm / -0.013 mm
Number of Screws		Hex Wrench Size	5.0 mm
	16 Nm	Screw Location (R)	14.73 mm
	2 ea	Collar Part Number	MSP-20-F
ever Part Number	LF45-CL-M6:18-ZS-O	Collar Material	Steel
Collar Finish	Black Oxide	Handle Color	Orange
landle Material	Zinc	Handle Finish	Powder Coated
nsert and Screw Material	303 Stainless Steel	Manufacturer	Ruland Manufacturing
ountry of Origin	Shaft Collar - USA	Weight (lbs)	0.300900
	Lever - Germany		
IPC	634529295359	Tariff Code	8483.60.8000
INSPC	31162811		
Note 1	Performance ratings are for guidance only. The user must determine suitability for a particular application.		
Prop 65	▲WARNING This product can expose you to the chemical Soots, Benzene, Lead, Nickel (metallic), and Ethylene Thiourea		