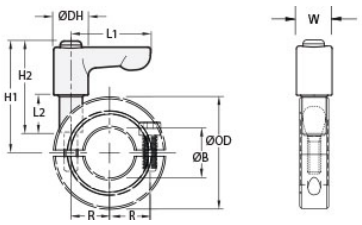
LVO-MSP-23-F

Ruland LVO-MSP-23-F, 23mm Two-Piece Shaft Collar with Clamping Lever, Steel Collar with Zinc Plated Lever, 45mm OD, 15mm Width





Description

Ruland LVO-MSP-23-F is a two-piece quick clamping shaft collar with clamping lever with a 23mm bore, 45mm OD, and 15mm width. It is made from MSP-23-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-23-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-23-F is manufactured by Ruland and LF45-CL-M6:18-ZS is manufactured by Otto Ganter. LVO-MSP-23-F is RoHS3 and REACH compliant.

Product Specifications

Bore (B1)	23 mm	**Bore Tolerance**	+0.050 mm / +0.012 mm
Outer Diameter (OD)	45 mm	**Center to Lever Top H1**	38.8 mm
Width (W)	15 mm	**Width Tolerance**	+0.076 mm / -0.254 mm
Lever Length L1	45 mm	**Lever Height H2**	38.5 mm
Hub Diameter DH	13 mm	**Sleeve Length L2**	18 mm
Recommended Gap	1.59 mm	**Recommended Shaft Tolerance**	+0.000 mm / -0.013 mm
Thread TH	M6	**Hex Wrench Size**	5.0 mm
Seating Torque	16 Nm	**Screw Location (R)**	17.50 mm
Number of Screws	2 ea	**Collar Part Number**	MSP-23-F
Lever Part Number	LF45-CL-M6:18-ZS-O	**Collar Material**	Steel
Collar Finish	Black Oxide	**Handle Color**	Orange
Handle Material	Zinc	**Handle Finish**	Powder Coated
Insert and Screw Material	303 Stainless Steel	**Manufacturer**	Ruland Manufacturing
Country of Origin	Shaft Collar - USA Lever - Germany	**Weight (lbs)**	0.357400
UPC	634529295595	**Tariff Code**	8483.60.8000
UNSPC	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		