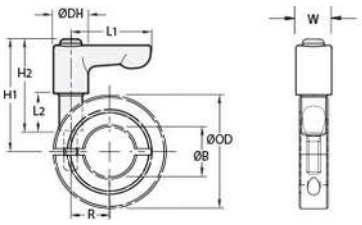
# LVO-MCL-21-A

Ruland LVO-MCL-21-A, 21mm One-Piece Shaft Collar with Clamping Lever, Aluminum Collar with Zinc Plated Lever, 42mm OD, 15mm Width








## Description

Ruland LVO-MCL-21-A is a one-piece quick clamping shaft collar with clamping lever with a 21mm bore, 42mm OD, and 15mm width. It is made from MCL-21-A 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. 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. MCL-21-A is made from high-strenth 2024 aluminum. LF45-CL-M6:18-ZS has a zinc plated steel handle and stainless steel threaded stud. This material combination allows for a lightweight durable quick clamping and release component that is suitable for most industrial applications. The lever is orange for safety and ease of identification. MCL-21-A is manufactured by Ruland and LF45-CL-M6:18-ZS is manufactured by Otto Ganter. LVO-MCL-21-A is RoHS3 and REACH compliant.

## Product Specifications

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|---|---|---|---|
| **Bore (B1)** | 21 mm | **Bore Tolerance** | +0.050 mm / +0.012 mm |
| **Outer Diameter (OD)** | 42 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 Shaft Tolerance** | +0.000 mm / -0.013 mm | **Thread TH** | M6 |
| **Hex Wrench Size** | 5.0 mm | **Seating Torque** | 16 Nm |
| **Screw Location (R)** | 16.00 mm | **Number of Screws** | 1 ea |
| **Collar Part Number** | MCL-21-A | **Lever Part Number** | LF45-CL-M6:18-ZS-O |
| **Collar Material** | Aluminum | **Collar Finish** | Bright |
| **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<br>Lever - Germany |
| **Weight (lbs)** | 0.185300 | **UPC** | 634529293607 |
| **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 | | |