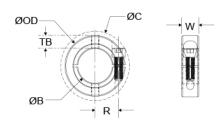




## OH-CL-16-A

Ruland OH-CL-16-A, 1" Shaft Collar With OD Holes, 2024 Aluminum, One-Piece Clamp Style, 1 3/4" OD, 0.500" Width





\*Additional hardware NOT included

## **Description**

Ruland OH-CL-16-A is a one-piece shaft collar with a 1.0000" bore, 1 3/4" OD, and 0.500" 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. OH-CL-16-A is commonly used for guiding, spacing, stopping, mounting, and component alignment. Equipment manufacturers benefit from the tightly controlled face to bore perpendicularity (TIR of ? .002"). 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. OH-CL-16-A is stamped with the Ruland name and bore size for ease of identification. Forged screws test beyond ANSI standards to ensure maximum holding power. OH-CL-16-A is manufactured from solid bar stock sourced from select North American mills and machined to a fine burr free finish. Ruland uses high grade 2024 aluminum for increased screw seating torque. OH-CL-16-A is RoHS3 and REACH compliant and manufactured in our Marlborough, MA factory under strict controls using proprietary processes.

**Product Specifications** 

Outer Diameter (OD)  1 3/4 in  Clearance Diameter (C) MAX  2.032 in  Vidth (W)  0.500 in  Width Tolerance +0.003 in / -0.010 in  Threaded Mounting Hole 1/4-28  Through to Bore TB 0.37 in  Recommended Shaft Tolerance +0.0000 in / -0.0005 in  Forged Clamp Screw 1/4-28  Screw Material Alloy Steel Hex Wrench Size 3/16 in  Screw Finish Black Oxide Seating Torque 170 lb-in  Material Specification 0.678 in Number of Screws 1 ea  Material Specification 2024-T351 Aluminum Bar Temperature -40°F to 225°F (-40°C to 107°C)  Finish Specification Bright, No Plating Manufacturer Ruland Manufacturing  Country of Origin USA Weight (Ibs) 0.082500  JPC 634529220368 Tariff Code 8483.60.8000  JNSPC 31162811 This product has been discontinued as a standard item. Please inquire for special pricing.  Motor 1  Additional mounting hardware not included.	Product Specifications			
Width (W)  0.500 in  Width Tolerance  +0.003 in / -0.010 in  Threaded Mounting Hole  1/4-28  Through to Bore TB  0.37 in  Recommended Shaft Tolerance  +0.0000 in / -0.0005 in  Forged Clamp Screw  1/4-28  Screw Material  Alloy Steel  Hex Wrench Size  3/16 in  Screw Finish  Black Oxide  Seating Torque  170 lb-in  Corew Location (R)  0.678 in  Number of Screws  1 ea  Material Specification  2024-T351 Aluminum Bar  Temperature  -40°F to 225°F (-40°C to 107°C)  Finish Specification  Bright, No Plating  Manufacturer  Ruland Manufacturing  Country of Origin  USA  Weight (lbs)  0.082500  JNSPC  31162811  This product has been discontinued as a standard item. Please inquire for special pricing.  Mote 2  Additional mounting hardware not included.  Prop 65  WARNING 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	Bore (B)	1.0000 in	Bore Tolerance	+0.0020 in / +0.0005 in
Threaded Mounting Hole  1/4-28 Through to Bore TB  0.37 in  Recommended Shaft Tolerance +0.0000 in / -0.0005 in Forged Clamp Screw 1/4-28 Screw Material Alloy Steel Hex Wrench Size 3/16 in  Screw Finish Black Oxide Seating Torque 170 lb-in  Number of Screws 1 ea  Material Specification 2024-T351 Aluminum Bar Temperature -40°F to 225°F (-40°C to 107°C)  Finish Specification Bright, No Plating Manufacturer Ruland Manufacturing  Country of Origin USA Weight (lbs) 0.082500  JPC 634529220368 Tariff Code 8483.60.8000  JNSPC 31162811  This product has been discontinued as a standard item. Please inquire for special pricing.  Mote 1 Additional mounting hardware not included.  Prop 65  WARNING 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	Outer Diameter (OD)	1 3/4 in	Clearance Diameter (C) MAX	2.032 in
Recommended Shaft Tolerance +0.0000 in / -0.0005 in Forged Clamp Screw 1/4-28  Alloy Steel Hex Wrench Size 3/16 in  Black Oxide Seating Torque 170 lb-in  Borew Location (R) 0.678 in Number of Screws 1 ea  Material Specification 2024-T351 Aluminum Bar Temperature -40°F to 225°F (-40°C to 107°C)  Finish Specification Bright, No Plating Manufacturer Ruland Manufacturing  Country of Origin USA Weight (lbs) 0.082500  USA Weight (lbs) 0.082500  USA Tariff Code 8483.60.8000  UNSPC 31162811  This product has been discontinued as a standard item. Please inquire for special pricing.  Note 2 Additional mounting hardware not included.  Prop 65  WARNING 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	Width (W)	0.500 in	Width Tolerance	+0.003 in / -0.010 in
Alloy Steel Hex Wrench Size 3/16 in  Black Oxide Seating Torque 170 lb-in  Grew Location (R) 0.678 in Number of Screws 1 ea  Material Specification 2024-T351 Aluminum Bar Temperature -40°F to 225°F (-40°C to 107°C)  Finish Specification Bright, No Plating Manufacturer Ruland Manufacturing  Country of Origin USA Weight (lbs) 0.082500  JPC 634529220368 Tariff Code 8483.60.8000  JNSPC 31162811  Note 1 This product has been discontinued as a standard item. Please inquire for special pricing.  Additional mounting hardware not included.  Prop 65 WARNING 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	Threaded Mounting Hole	1/4-28	Through to Bore TB	0.37 in
Black Oxide  Secrew Finish  Black Oxide  O.678 in  Number of Screws  1 ea  Material Specification  Finish Specification  Bright, No Plating  Manufacturer  Country of Origin  USA  Weight (lbs)  O.082500  JPC  634529220368  Tariff Code  8483.60.8000  JNSPC  31162811  This product has been discontinued as a standard item. Please inquire for special pricing.  Mote 1  Additional mounting hardware not included.  Prop 65  WARNING 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	Recommended Shaft Tolerance	+0.0000 in / -0.0005 in	Forged Clamp Screw	1/4-28
Additional mounting hardware not included.  Number of Screws  1 ea  Number of Screws  1 ea  1 e	Screw Material	Alloy Steel	Hex Wrench Size	3/16 in
Material Specification  2024-T351 Aluminum Bar Temperature -40°F to 225°F (-40°C to 107°C) Finish Specification Bright, No Plating Manufacturer Ruland Manufacturing Country of Origin USA Weight (lbs) 0.082500  JPC 634529220368 Tariff Code 8483.60.8000  JNSPC 31162811 This product has been discontinued as a standard item. Please inquire for special pricing.  Jote 1 Additional mounting hardware not included.  Prop 65  ■ WARNING 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	Screw Finish	Black Oxide	Seating Torque	170 lb-in
Bright, No Plating Manufacturer Ruland Manufacturing Country of Origin USA Weight (lbs) 0.082500  UPC 634529220368 Tariff Code 8483.60.8000  UNSPC 31162811  This product has been discontinued as a standard item. Please inquire for special pricing.  Note 1 This product has been discontinued as a standard item. Please inquire for special pricing.  Additional mounting hardware not included.  Prop 65  WARNING 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	Screw Location (R)	0.678 in	Number of Screws	1 ea
Country of Origin  USA  Weight (lbs)  0.082500	Material Specification	2024-T351 Aluminum Bar	Temperature	-40°F to 225°F (-40°C to 107°C)
JPC 634529220368 Tariff Code 8483.60.8000  JNSPC 31162811  Note 1 This product has been discontinued as a standard item. Please inquire for special pricing.  Note 2 Additional mounting hardware not included.  Prop 65 ★WARNING 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	Finish Specification	Bright, No Plating	Manufacturer	Ruland Manufacturing
JNSPC 31162811  This product has been discontinued as a standard item. Please inquire for special pricing.  Note 2 Additional mounting hardware not included.  Prop 65  WARNING 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	Country of Origin	USA	Weight (lbs)	0.082500
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## **Installation Instructions**

- 1. Use the OH-CL-16-A one-piece shaft collar as it is received.
- 2. Wipe the bore clean.
- 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 3/16 in hex wrench until a slight resistance is felt.
- 5. Wring collar into its final position and tighten the screw to the full recommended seating torque of 170 lb-in using a 3/16 in torque wrench.