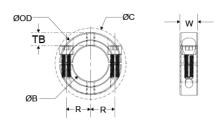




OH-SP-20-F

Ruland OH-SP-20-F, 1 1/4" Shaft Collar With OD Holes, Black Oxide Steel, Two-Piece Clamp Style, 2 1/16" OD, 0.500" Width





Description

Ruland OH-SP-20-F is a two-piece shaft collar with a 1.2500" bore, 2 1/16" 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-SP-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 ? .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-SP-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 ANSI standards to ensure maximum holding power. OH-SP-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. OH-SP-20-F is RoHS3 and REACH compliant and manufactured in our Marlborough, MA factory under strict controls using proprietary processes.

ManufacturerRuland ManufacturingCountry of OriginUSAWeight (lbs)0.263600UPC634529220559Tariff Code8483.60.8000UNSPC31162811Note 1This product has been discontinued as a standard item. Please inquire for special pricing.	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 0.40 in Recommended Gap 0.063 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 Screw Location (R) 0.828 in Number of Screws 2 ea Material Specification 1215 Carbon Steel Bar Temperature -40°F to 350°F (-40°C to 176°C) Finish Specification Hot Process Black Oxide, Impregnated with Naphther Centrifugally Dried Manufacturer Ruland Manufacturing Country of Origin USA Weight (lbs) 0.263600 UPC 634529220559 Tariff Code 8483.60.8000 UNSPC 31162811 Note 1 This product has been discontinued as a standard item. Please inquire for special pricing. 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)	1.2500 in	Bore Tolerance	+0.0020 in / +0.0005 in
Threaded Mounting Hole 1/4-28 Through to Bore TB 0.40 in Recommended Gap 0.063 in Recommended Shaft Tolerance +0.0000 in / -0.0005 in Alloy Steel Alloy Steel Hex Wrench Size 3/16 in Screw Finish Seating Torque 170 lb-in Screw Location (R) 0.828 in Number of Screws 2 ea Material Specification 1215 Carbon Steel Bar Temperature -40°F to 350°F (-40°C to 176°C) Finish Specification Hot Process Black Oxide, Impregnated with Naphther Centrifugally Dried Manufacturer Ruland Manufacturing Country of Origin USA Weight (lbs) 0.263600 UPC 634529220559 Tariff Code 8483.60.8000 UNSPC 31162811 This product has been discontinued as a standard item. Please inquire for special pricing. 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)	2 1/16 in	Clearance Diameter (C) MAX	2.295 in
Recommended Gap 0.063 in Recommended Shaft Tolerance +0.0000 in / -0.0005 in Forged Clamp Screw 1/4-28 Screw Material Alloy Steel Alloy Steel Black Oxide Seating Torque 170 lb-in Screw Location (R) Number of Screws 2 ea Material Specification 1215 Carbon Steel Bar Temperature -40°F to 350°F (-40°C to 176°C) Finish Specification Hot Process Black Oxide, Impregnated with Naphther Centrifugally Dried Manufacturer Ruland Manufacturing Country of Origin USA Weight (lbs) 0.263600 UPC 634529220559 Tariff Code 8483.60.8000 UNSPC 31162811 This product has been discontinued as a standard item. Please inquire for special pricing. Prop 65 AWARNING 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
Forged Clamp Screw 1/4-28 Screw Material Alloy Steel Hex Wrench Size 3/16 in Screw Finish Black Oxide 170 lb-in Screw Location (R) 0.828 in Number of Screws 2 ea Material Specification 1215 Carbon Steel Bar Hot Process Black Oxide, Impregnated with Naphther Centrifugally Dried Manufacturer Ruland Manufacturing Country of Origin USA Weight (Ibs) 0.263600 UPC 634529220559 Tariff Code 8483.60.8000 UNSPC 31162811 This product has been discontinued as a standard item. Please inquire for special pricing. 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	0.40 in
Hex Wrench Size 3/16 in Screw Finish Black Oxide 170 lb-in Screw Location (R) 0.828 in 1215 Carbon Steel Bar Temperature -40°F to 350°F (-40°C to 176°C) Finish Specification Hot Process Black Oxide, Impregnated with Naphther Centrifugally Dried Manufacturer Ruland Manufacturing Country of Origin USA Weight (lbs) 0.263600 UPC 634529220559 Tariff Code 8483.60.8000 UNSPC 31162811 This product has been discontinued as a standard item. Please inquire for special pricing. 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 Gap	0.063 in	Recommended Shaft Tolerance	+0.0000 in / -0.0005 in
Seating Torque 170 lb-in Screw Location (R) 0.828 in Number of Screws 2 ea Material Specification 1215 Carbon Steel Bar Temperature -40°F to 350°F (-40°C to 176°C) Finish Specification Hot Process Black Oxide, Impregnated with Naphther Centrifugally Dried Manufacturer Ruland Manufacturing Country of Origin USA Weight (lbs) 0.263600 UPC 634529220559 Tariff Code 8483.60.8000 UNSPC 31162811 Note 1 This product has been discontinued as a standard item. Please inquire for special pricing. 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	Forged Clamp Screw	1/4-28	Screw Material	Alloy Steel
Number of Screws 2 ea Material Specification 1215 Carbon Steel Bar Hot Process Black Oxide, Impregnated with Naphther Centrifugally Dried Manufacturer Ruland Manufacturing Country of Origin USA Weight (Ibs) 0.263600 UPC 634529220559 Tariff Code 8483.60.8000 UNSPC 31162811 Note 1 This product has been discontinued as a standard item. Please inquire for special pricing. 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	Hex Wrench Size	3/16 in	Screw Finish	Black Oxide
Temperature -40°F to 350°F (-40°C to 176°C) Finish Specification Hot Process Black Oxide, Impregnated with Naphther Centrifugally Dried Manufacturer Ruland Manufacturing Country of Origin USA Weight (lbs) 0.263600 UPC 634529220559 Tariff Code 8483.60.8000 UNSPC 31162811 Note 1 This product has been discontinued as a standard item. Please inquire for special pricing. 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	Seating Torque	170 lb-in	Screw Location (R)	0.828 in
Impregnated with Naphther Centrifugally Dried Manufacturer Ruland Manufacturing Country of Origin USA Weight (Ibs) 0.263600 UPC 634529220559 Tariff Code 8483.60.8000 UNSPC 31162811 Note 1 This product has been discontinued as a standard item. Please inquire for special pricing. 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	Number of Screws	2 ea	Material Specification	1215 Carbon Steel Bar
Weight (lbs) 0.263600 UPC 634529220559 Tariff Code 8483.60.8000 UNSPC 31162811 Note 1 This product has been discontinued as a standard item. Please inquire for special pricing. Prop 65 California to cause cancer and birth defects or other reproductive harm. For more information go to	Temperature	-40°F to 350°F (-40°C to 176°C)	Finish Specification	Impregnated with Naphthenic Oil,
Tariff Code 8483.60.8000 UNSPC 31162811 Note 1 This product has been discontinued as a standard item. Please inquire for special pricing. 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	Manufacturer	Ruland Manufacturing	Country of Origin	USA
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Installation Instructions

- 1. Use the OH-SP-20-F two-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. Be sure to maintain the gap of 0.063 inbetween 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 170 lb-in using a 3/16 in torque wrench.