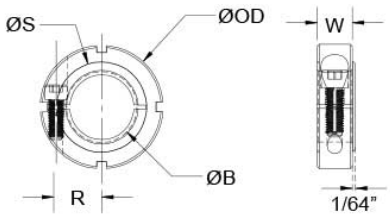
TCN-06-F

Ruland TCN-06-F, N-06 (1.173" - 18 TPI) Bearing Locknut, Black Oxide Steel, One-Piece Clamp Style, 2" OD, 0.500" Width





Description

Ruland TCN-06-F is a clamp type bearing locknut with a 1.173" - 18 TPI bore, 2" OD, and 0.500" width. It is manufactured to AFBMA standards and designed for use on high precision spindle bearings. Ruland double taps threads to ensure a precise and burr-free finish allowing for easy installation and removal, proper fit, and extended shaft life. The clamp style design will not mar the shaft. It is commonly used for guiding, spacing, stopping, mounting, and component alignment. Equipment manufacturers benefit from the tightly controlled face to bore perpendicularity (TIR of ? .0005"). 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. TCN-06-F is stamped with the Ruland name and locknut size for ease of identification. Forged screws test beyond DIN 912 12.9 standards to ensure maximum holding power. It 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. TCN-06-F is RoHS3 and REACH compliant and manufactured in our Marlborough, MA factory under strict controls using proprietary processes.

Product Specifications

Locknut Industry Standard	N-06	**Threaded Bore (B1)**	1.173 in - 18 TPI
Thread Class	AFBMA	**Bearing Face Diameter (S)**	1 1/2 in
Bearing Face Max TIR	0.0005 in	**Outer Diameter (OD)**	2 in
Width (W)	0.500 in	**Forged Clamp Screw**	M5 x 16
Screw Material	Alloy Steel	**Hex Wrench Size**	4.0 mm
Screw Finish	Black Oxide	**Seating Torque**	9.5 Nm
Screw Location (R)	0.770 in	**Number of Screws**	1 ea
Recommended Spanner Wrench	SWR:M35-60-F, SWR:M35-60-SS	**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 Naphthenic Oil, Centrifugally Dried
Manufacturer	Ruland Manufacturing	**Country of Origin**	USA
Weight (lbs)	0.275600	**Recommended Shaft Tolerance**	+0.0000 in / -0.0005 in
UPC	634529028926	**Tariff Code**	8483.60.8000
UNSPC	31161716		
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 Ethylene Thiourea, known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.		

Installation Instructions

1. Use the TCN-06-F bearing locknut as it is received.
2. Wipe the bore clean.
3. Apply a thin coat of light oil to the shaft.
4. Place the bearing locknut onto the desired shaft location using a spanner wrench. Tighten it using a 4.0 mm 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 9.5 Nm using a 4.0 mm torque wrench.