



TANGENTLOK - TLN SERIES - INCH

Mechanical Self-Locking

whittet-higgins company

Benefits & Characteristics:

- Self-locking
- Balanced design for high speed applications
- Prevents assemblies from loosening due to vibration, shock and torque
- Uniform 360 degree thread clamping to center of shaft
- Tangential (X-Axis) access to locking and adjustment of assembly
- Easier and faster to install than traditional locknut and lockwasher
- Eliminates the need for cutting or repairing shaft keyway
- Infinite adjustment and preloading capability
- Does not damage shaft threads when secured
- Meets and exceeds specifications of ANSI / ABMA 8.2-1999
- Manufactured in USA and RohS Compliant

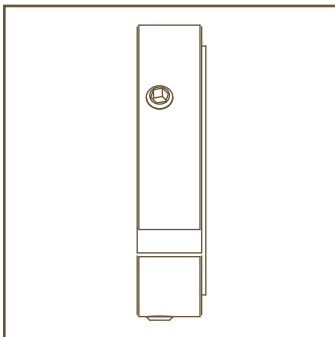
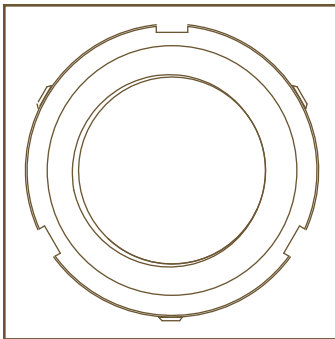
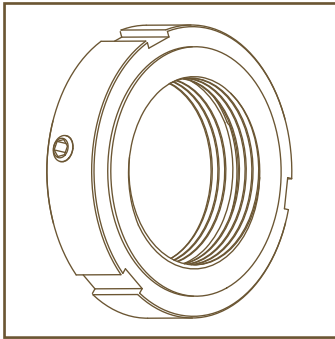
Applications:

- High-speed balanced assemblies
- High precision assemblies
- Off-road equipment and machinery
- Mining and mineral extraction equipment
- Pulp, paper and steel mill rolls
- Pumps

Max Operating Temperature: 300 Deg F

Materials:

Base Threaded Nut - Carbon Steel
Fasteners - Hardened Alloy



Part Number	Thread	Max. Outside Diameter (Inches)	Max. Face Diameter (Inches)	Max. Width (Inches)	Theoretical Axial Max. (Lbs)	Socket Head Cap Screw	Suggested Torque (In-Lbs)
TLN-00	0.391-32	0.875	0.625	0.375	5800	10-32	24
TLN-01	0.469-32	1.000	0.719	0.375	6900	10-32	24
TLN-02	0.586-32	1.125	0.813	0.375	8000	10-32	24
TLN-03	0.664-32	1.125	0.938	0.375	8200	10-32	24
TLN-04	0.781-32	1.375	1.125	0.375	9900	10-32	24
TLN-05	0.969-32	1.563	1.281	0.406	12400	10-32	24
TLN-06	1.173-18	1.750	1.500	0.406	13500	10-32	24
TLN-065	1.312-18	2.063	1.813	0.438	13500	1/4-28	48
TLN-07	1.376-18	2.063	1.813	0.438	17700	1/4-28	48
TLN-08	1.563-18	2.250	2.000	0.438	18700	1/4-28	48
TLN-09	1.767-18	2.531	2.281	0.438	20900	1/4-28	48
TLN-10	1.967-18	2.688	2.438	0.500	24700	1/4-28	48
TLN-11	2.157-18	2.969	2.656	0.500	27600	1/4-28	48
TLN-12	2.360-18	3.156	2.844	0.531	30300	1/4-28	48
TLN-13	2.548-18	3.375	3.063	0.563	34200	1/4-28	48
TLN-14	2.751-18	3.625	3.313	0.563	36500	1/4-28	48
TLN-15	2.933-12	3.875	3.563	0.599	N/A	5/16-18	96

Thread to Face Runout Specifications Available on Page X16

For installation instructions, warranty information, thread specifications and disclaimer information please visit us at www.whittet-higgins.com

Downloadable 3D & 2D CAD models available at www.whittet-higgins.com



Engineering & Sales Support: (401) 728-0700



TANGENTLOK - TLM SERIES - METRIC

Mechanical Self-Locking

whittet-higgins company

Benefits & Characteristics:

- Self-locking
- Balanced design for high speed applications
- Prevents assemblies from loosening due to vibration, shock and torque
- Uniform 360 degree thread clamping to center of shaft
- Tangential (X-Axis) access to locking and adjustment of assembly
- Easier and faster to install than traditional locknut and lockwasher
- Eliminates the need for cutting or repairing shaft keyway
- Infinite adjustment and preloading capability
- Does not damage shaft threads when secured
- Meets and exceeds specifications of ISO 2982-2:2013 (E)
- Manufactured in USA and RohS Compliant

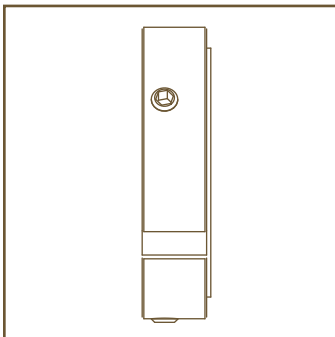
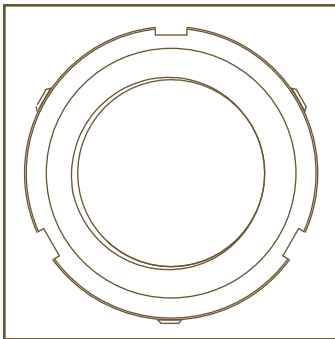
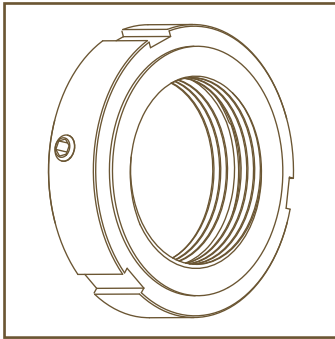
Applications:

- High-speed balanced assemblies
- High precision assemblies
- Off-road equipment and machinery
- Mining and mineral extraction equipment
- Pulp, paper and steel mill rolls
- Pumps

Max Operating Temperature: 300 Deg F

Materials:

Base Threaded Nut - Carbon Steel
Fasteners - Hardened Alloy



Part Number	Thread	Max. Outside Diameter (mm)	Max. Face Diameter (mm)	Max. Width (mm)	Theoretical Axial Max. (kN)	Socket Head Cap Screw	Suggested Torque (In-Lbs)
TLM-00	M10 X 0.75	22.2	15.9	9.5	25	10-32	24
TLM-01	M12 X 1.0	25.4	18.3	9.5	30	10-32	24
TLM-02	M15 X 1.0	28.6	20.7	9.5	35	10-32	24
TLM-03	M17 X 1.0	28.6	23.8	9.5	36	10-32	24
TLM-04	M20 X 1.0	34.9	28.6	9.5	44	10-32	24
TLM-05	M25 X 1.5	39.7	32.5	10.3	55	10-32	24
TLM-06	M30 X 1.5	44.5	38.1	10.3	60	10-32	24
TLM-064	M32 X 1.5	52.4	46.1	11.1	62	1/4-28	48
TLM-07	M35 x 1.5	52.4	46.1	11.1	78	1/4-28	48
TLM-08	M40 X 1.5	57.2	50.8	11.1	83	1/4-28	48
TLM-09	M45 X 1.5	64.3	57.9	11.1	93	1/4-28	48
TLM-10	M50 X 1.5	68.3	61.9	12.7	109	1/4-28	48
TLM-11	M55 X 2.0	75.4	67.5	12.7	122	1/4-28	48
TLM-12	M60 X 2.0	80.2	72.2	13.5	134	1/4-28	48
TLM-13	M65 X 2.0	85.7	77.8	14.3	152	1/4-28	48
TLM-14	M70 X 2.0	92.1	84.2	14.3	162	1/4-28	48
TLM-15	M75 X 2.0	98.4	90.5	14.3	185	5/16-18	96

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