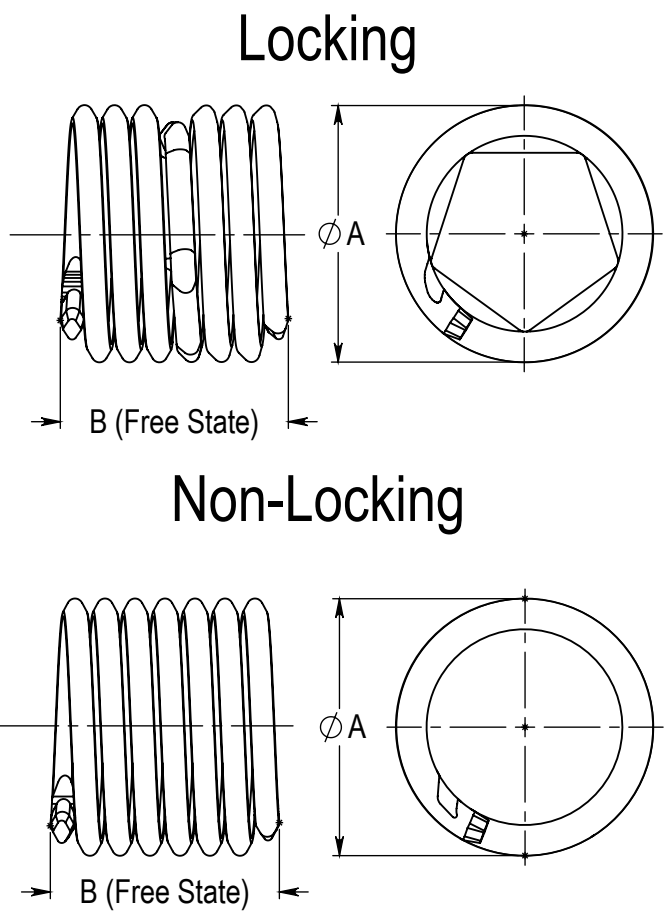


Revision	Revised By	Description	Date	Approval
New	GP	Initial Release	11-12-18	MO



2TLF	-	3	C	-	0285	W	SF
1		2	3		4	5	see note 9

Nominal Thread Size	1		2	3	4					5	Free Outer Diameter (A)		Number of Coils (B, see note 4)				
	Insert Style				Size	Material	Nominal Length					Finish	Min	Max	1D	1.5D	2D
	Locking	Non-Locking	1D	1.5D			2D	2.5D	3D								
0-80 ¹¹	2TLF	2TNF	00	B- Phosphor Bronze C- CRES Steel (304 Stainless Steel) ¹⁰ N- Nitronic 60® M- Nimonic 90® T- Inconel X-750	0.060	0.090	0.120	---	---	Blank- No Finish W- Dry Film Lubricant Y- Cadmium V- Silver Plating A- Passivation P- Xylan B- Blue Dye G- Green Dye	---	---	3	5-1/2	7-3/8	---	---
10-32			0.190		0.285	0.380	0.475	0.570	0.236		0.256	4-1/8	6-7/8	9-1/2	12-1/4	14-7/8	
1/4-28			0.250		0.375	0.500	0.625	0.750	0.306		0.326	5	8-1/4	11-3/8	14-1/2	17-5/8	
5/16-24			0.312		0.469	0.625	0.781	0.938	0.380		0.400	5-1/2	8-7/8	12-1/4	15-5/8	19	
3/8-24			0.375		0.562	0.750	0.938	1.125	0.448		0.468	6-7/8	11	15	19-1/8	23-1/8	
7/16-20			0.438		0.656	0.875	1.094	1.312	0.524		0.549	6-5/8	10-5/8	14-5/8	18-1/2	22-1/2	
1/2-20			0.500		0.750	1.00	1.250	1.500	0.592		0.617	7-7/8	12-3/8	16-7/8	21-3/8	25-7/8	

- Notes:
- For each threadsize, complete part number consists of combining columns 1-5 across each row.
 - The nominal length is a calculated number and cannot be used to measure the insert in the free state. It is the actual installed length of the insert plus 0.5 pitch ($L_n = L_a + 0.5P$), see column 4.
 - The nominal length of the insert is a function of the nominal thread size (1.5D x .190 in = .285 in).
 - The number of free coils is measured from notch to notch. It is the total number of revolutions ± 0.25 coil.
 - Assembled length of insert is in accordance to NASM33537.
 - Locking torque specification conforms to NASM8846.
 - Inserts meet NAS130 specification.
 - When assembled in an STI thread, conforming to NASM33537 specification, the finished thread shall conform to FED-STD-H28/21 and shall accept external threads per MIL-S-7742 or AS8879.
 - For strip-feed packaged inserts, use "SF" at the end of the part number. Not available for all plating options. Leave blank for bulk packaged inserts.
 - 304 Stainless Steel is the most popular wire material and meets AS7245 specification.
 - Non-Locking only.

KATO Fastening Systems, Inc., 11864 Fishing Point Dr., Newport News, VA 23606, www.katofastening.com			
Drawing No.	KSTD-008	Description	KATO Tangless UNF Standard, Locking & Non-Locking Screw Thread Inserts (STI)
Revision	New	Drawn By	G. Patterson
Date	11-12-18	Approved By	M. Oana



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