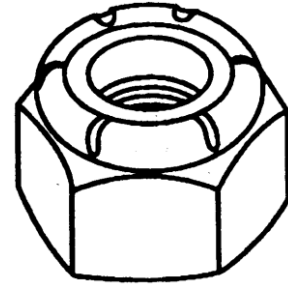


METRIC NYLON INSERT STOP NUTS HEAVY PATTERN



Nominal Size	Thread Pitch	Width Across Flats		Width Across Corners	Thickness		Wrench Height
		Max	Min	Min	Max	Min	Min
M5	0.8	8.00	7.78	8.79	7.20	6.62	3.52
M6	1	10.00	9.78	11.05	8.50	7.92	3.92
M8	1.25	13.00	12.73	14.38	10.2	9.5	5.15
M10	1.5	16.00	15.73	17.77	12.8	12.1	6.43
M12	1.75	18.00	17.73	20.03	16.1	15.4	8.3
M16	2	24.00	23.67	26.75	20.7	19.4	11.28
M20	2.5	30.00	29.16	32.95	25.1	23.0	13.52
M24	3	36	35	39.55	29.5	27.4	16.16
M30	3.5	46	45	50.85	35.6	33.1	19.44
M36	4	55.0	53.8	60.79	42.6	40.1	23.52

Description	Similar in design to a regular nylon insert stop nut except that it is 6-8% thicker. When a screw reaches the collar, the threads and nylon form a tight, frictional fit, restricting movement of the screw when it is subjected to vibration. The nylon insert comes in various colors.
Applications/ Advantages	Provides a greater length of thread engagement than regular nylon insert stop nuts resulting in greater proof load stress properties. Class 9, style 2 metric nylon insert lock nuts are to be used with screw of a Class 9.8 or less. It is able to be reused more times than a two-way reversible nut. It is less expensive than a Grade-C automation lock nut. Nylon insert lock nuts are designed for use in temperatures from -73°C to +120°C.
Material	Class 9 metric nylon insert lock nuts shall be made of a steel which conforms to the following chemical composition-- <i>Carbon</i> : 0.58% maximum; <i>Manganese</i> : 0.25% minimum; <i>Phosphorus</i> : 0.060% maximum; <i>Sulfur</i> : 0.150% maximum. Insert is made of polyamid.
Hardness	M3 - M4: HV 170 - 302 (Rockwell B85 - C30) M5 - M36: HV 188 - 302 (Rockwell
Proof Load (N/mm²)	M3 - M4: 900 M5 - M7: 915 M8 - M10: 940 M12 - M16: 950 M20 - M36: 920
Plating	See Appendix-A for plating information