

# Nyltite® Sealing Collar



## Technical Data Sheet

### INLEX LOCKING

Inlex Locking is the European market leader for pre-applied locking and sealing solutions for threaded components. We are constantly working closely with our material suppliers to develop new products and processes, which offer innovative jointing solutions to meet the ever changing demands from our customer base.



### NYLTITE® SEALING COLLAR

Nyltite® sealing collar is manufactured from extruded thin wall tubing and is designed for applications where locking and sealing is required under the head of the screw. Nyltite® sealing collar can be supplied pre-assembled to fasteners of your specification. Tests have proved that Nyltite® sealing collar will provide superior sealing performance, as well as reducing joint failure caused by vibration. Nyltite® sealing collar headed/unheaded sleeves are available for electrical applications requiring a high degree of insulation or cable protection. Insulating spacers are also available.

### NYLTITE® SEALING COLLAR BENEFITS

The Nyltite® sealing collar product does not need any particular preparation of the fastener or work piece and does not require any kind of adhesive.

The Nyltite® sealing collar seal or headed sleeves, combined with any compression fastener (screws, bolts and nuts, rivets, eyelets, pop rivets, nails) offers a cost effective and high performance seal over traditional sealing methods.

As an added advantage, Nyltite® sealing collar offers vibrational dampening through increased torque and against galvanic corrosion of dissimilar material. They are used extensively on boats by preventing galvanic corrosion between aluminium parts and stainless-steel fasteners.

For applications which may be subject to ultra violet rays, it is recommended that Nyltite® sealing collar should be specified in black.

The Nylon interface eliminates damage due to surface chipping and crazing of the mating component.

The configuration of this kind of seal makes the nylon flow inwardly under compression, filling all the voids between the fastener and work piece.

### ADVANTAGES

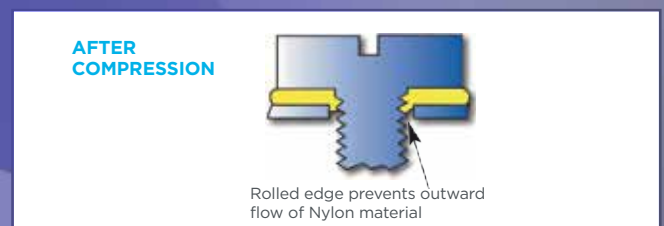
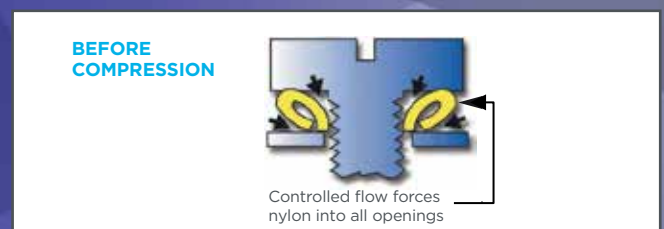
Seals and locks almost any type of headed screw. Please note this is a static lock not a prevailing torque lock.

Provides electrical insulation between screw and component assembly when used as a hole liner it functions as an electrical insulator.

Also prevents electrolytic corrosion in the same area.

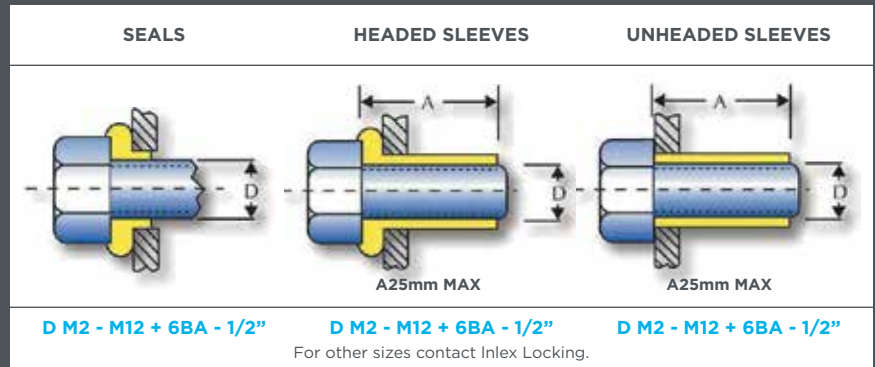
Provides sound and vibration isolation the remarkable properties of Nyltite industrial fasteners allow these locking nylon components to act as vibration dampers, friction fighters, and weatherproof sealing in transportation systems.

The seal resists petroleum products, salt water, hot oils, refrigerants, alkalis, diluted mineral acids and most solvents and chemicals.



## TECHNICAL DATA

Material	Nylon
Colour	Natural/Black
Storage Life	Indefinite
Operating Temp	-56°C to 120°C
Installation Torque	Not Applicable
Sealing Capacity (M10 Thread)	>15 Bar



## NYLTITE SEATING TORQUE

Thread Size	M5	M6	M8	M10	M12
Seating T. Nm	2.94	4.97	11.30	13.60	33.90
Seating T. ibf.in.	26	45	100	120	300

SIZES AVAILABLE			RECOMMENDED CLEARANCE HOLE SIZES					
BA	UNIFIED	ISO METRIC	REF. I/D		SEALS		SLEEVES	
			INCH	MM	INCH	MM	INCH	MM
-	-	2	0.078	2.0	0.093	2.38	0.124	3.18
-	-	2.5	0.098	2.5	0.113	2.87	0.144	3.65
6	-	-	0.110	2.8	0.125	3.17	0.156	3.96
-	4	-	0.112	2.8	0.125	3.17	0.156	3.96
-	-	3	0.118	3.0	0.133	3.37	0.165	4.19
-	6	3.5	0.138	3.5	0.156	3.96	0.187	4.75
4	-	-	0.142	3.6	0.156	3.96	0.196	4.97
-	-	4	0.157	4.0	0.172	4.36	0.208	5.28
-	8	-	0.164	4.1	0.185	4.70	0.216	5.48
2	-	-	0.185	4.7	0.203	5.15	0.240	6.09
-	10	-	0.190	4.8	0.208	5.28	0.244	6.19
-	-	5	0.196	5.0	0.218	5.53	0.250	6.35
0	-	6	0.236	6.0	0.256	6.50	0.296	7.51
-	1/4"	-	0.250	6.3	0.271	6.88	0.312	7.92
-	5/16"	-	0.312	7.9	0.334	8.48	0.375	9.52
-	-	8	0.315	8.0	0.334	8.48	0.375	9.52
-	3/8"	-	0.375	9.5	0.394	10.00	0.437	11.10
-	-	10	0.394	10.0	0.413	10.49	0.456	11.58
-	7/16"	-	0.437	11.1	0.456	11.58	0.503	12.77
-	-	12	0.472	12.0	0.496	12.60	0.539	13.96
-	1/2"	-	0.500	12.7	0.523	13.28	0.562	14.27

Larger sizes up to 1" - details on request. For effective sealing with Cap Screws a counterbored hole is required.

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