



Nyltite Sealing Solutions

Advantages

- Seals and locks almost any type of headed screw**
- Effectively locks and seals self-tapping screws**
- Can be re-used**
- Provides electrical insulation between screw and component assembly**
- Also prevents electrolytic corrosion in the same area**
- Provides sound and vibration isolation**
- The seal resists petroleum products, salt water, hot oils, refrigerants, alkalis, diluted mineral acids and most solvents and chemicals**

PRELOK

PRELOK 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

Nyltite 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 can be supplied pre-assembled to fasteners of your specification. Tests have proved that Nyltite will provide superior sealing performance, as well as reducing joint failure caused by vibration. Nyltite headed/unheaded sleeves are available for electrical applications requiring a high degree of insulation or cable protection. Insulating spacers are also available.

Nyltite benefits

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

The Nyltite 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.

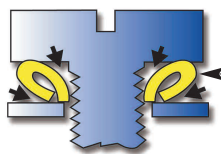
As an added advantage, Nyltite offers vibrational dampening through increased torque and against galvanic corrosion of dissimilar material.

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

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

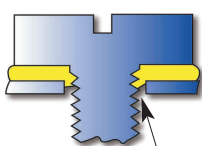
The configuration of this kind of seal makes the nylon flow inwardly under compression, filling all the voids between the fastener and work piece.

Before Compression



Controlled flow forces
nylon into all openings

After Compression



Rolled edge prevents outward
flow of Nylon material



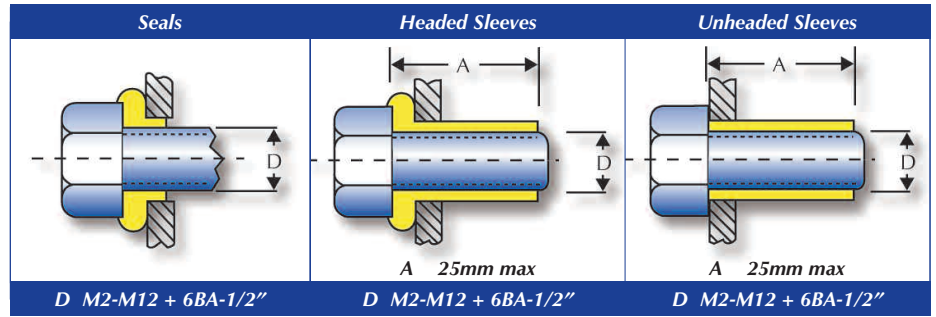
A member of the Melrose Group

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Nyltite Sealing Solutions

Technical Data

| | |
|----------------------|-----------------------|
| Material: | Nylon |
| Colour: | Natural/Black |
| Storage Life: | Indefinite |
| Operating Temp.: | -56°C + 120°C |
| Re-usability: | >5 |
| Installation Torque: | Not applicable |
| Sealing Capacity: | >15 Bar |
| | (M10 thread) |



For other sizes contact PRELOK.

Seating Torques

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

Recommended Clearance Hole Sizes

| BA | Unified | ISO Metric | REF. O/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 | 05.48 |
| 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 | 13.69 |
| - | 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.