



DESCRIPTION:

Normally a resilient bar of Nylon that is inserted into a slot which has been milled into a threaded fastener, ND Strip makes fasteners self-locking, self-sealing, and yet fully adjustable. Ideal for all types and sizes of commercial, automotive, and aerospace fasteners, ND Strip delivers outstanding performance in both high and low temperature extremes. Due to its compressibility, resiliency, and resistance to deformation, fasteners using ND Strip can be repeatedly removed and adjusted.

When assembled with a mating part the resilient ND Strip is compressed. The compressed engineered plastic (normally Nylon) Strip provides locking action in the thread instead of at the bearing surface due to its vibration dampening characteristics. In general, the resilience of ND Strip holds the fastener in place without adhesives or thread distortion. Due to its resilience, ND Strip can be repeatedly adjusted and reused.

ND Strip is normally positioned one to three threads back from the end of a fastener to assure ease of starting. Special strip positioning can be specified for specific applications. ND Strip location and length can be tailored to fit your needs.

As with all our pre-applied products, ND Industries can install ND Strip into your fasteners at any one of our regional service centers, or we can supply you with fasteners that contain a pre-inserted ND Strip.

ND Strip wont work loose: Under most operating conditions, Strip is unaffected by vibration or reversal of stress. ND Strip locks whether your fasteners are seated or unseated, making it ideal for use with gaskets, plastic or glass.

FEATURES:

Save Money: ND Strip can be inserted into virtually any fastener (standard or special). ND Strip fasteners require no costly lock-washers, cotter pins, or castellated nuts. ND Strip provides close fits without the expense involved in attaining close tolerances. Moreover, ND Strip is less expensive than applying bottled thread locking compounds at the point of assembly.



FEATURES CONTINUED:

Saves Time: Fasteners can be fed through an automated feeding device to improve your productivity and save time.

Wide Adjustment Range & Long Locking Area: ND Strip has a wide range of adjustment and a larger working area than most other locking elements.

ND Strip meets or exceeds the performance requirements of the following specifications and/or standards:

MILITARY:

- MIL-DTL-18240F

AUTOMOTIVE:

- Chrysler: PF-5144, PF-6157, PF-6158
- Ford: ES-382101-S100, ES-378813-S100

INDUSTRIAL:

- IFI: 124
- IFI: 524

INDUSTRIAL:

- John Deere: JDT905
- Mack Trucks: 3/6 AXS5, 10 AMS1
- FMC: 126052
- Cummins Engine : 16,512-05

FEATURES CONTINUED:

Resistant to heat and cold: Nylon ND Strip meets and exceeds MIL-DTL-18240F, Type L for temperatures up to +250°F (+121°C). Using other materials, ND Strip can withstand temperatures as high as +1,200°F (+649°C).

Chemical resistant: ND Strip will not dry, shrink, or lose resiliency when exposed to commercial solvents, alcohol, gasoline, oil, caustic soda, jet fuel, etc.

Reusable: Fasteners can be reused repeatedly without damage to threads.

SPECIFICATIONS:

| Primary Usage | Material | Reusability | Effective Temp Range | Color |
|---------------|-----------------|-------------|-----------------------------------|--|
| Lock & Seal | Nylon 6/6 | 15 Cycles | -65°F (-54°C) to 250°F (121°C) | Typically Yellow (other colors available***) |
| Lock & Seal | KEL-F** | 0 Cycles | -320°F (-196°C) to 390°F (198°C) | Blue |
| Lock & Seal | Vespel** | 5 Cycles | -450°F (-268°C) to 500°F (260°C) | Brown |
| Lock & Seal | Teflon** | 5 Cycles | -450°F (-268°C) to 550°F (288°C) | White |
| Lock & Seal | Copper | 5 Cycles | -400°F (-240°C) to 400°F (204°C) | Copper |
| Lock & Seal | Stainless Steel | 5 Cycles | -400°F (-240°C) to 1200°F (649°C) | Silver |

* KEL-F is a registered trademark of Minnesota Mining and Manufacturing Co. ** Vespel and Teflon are registered trademarks of EI. Dupont De Nemours & Co. *** QPL-18240 and MIL-DTL-18240F requires yellow nylon.

ND Strip is a product of ND Industries, Inc., U.S.A.



Distributed in Canada by _____

WESTsales@
115-1440 Aviation Park NE
Calgary, AB
T2E 7E2
403-291-3516



CENTRALsales@
2-205 Industrial Pky N
Aurora, ON
L4G 4C4
905-889-9100

EASTsales@
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2775 Broadway Ave
Buffalo, NY
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905-889-9100

800-560-9813

irwin-ind.com

800-263-3562