



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, ND Strip can be repeatedly removed and adjusted.
- How ND Strip works: When a processed fastener is threaded into a mating part, ND Strip is compressed. The compressed Strip then exerts a spring-like wedging pressure which creates a strong metal-to-metal contact on the opposite side of the fastener. Even when not fully seated, this pressure forms a positive, yet fully adjustable lock. Once fully seated, ND Strip forms a lock that will not loosen, even under extreme vibration. In addition, ND Strip produces a dam-like action which prevents fluid leakage.
- 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 unusual 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 six regional service centers, or we can supply you with fasteners that contain a pre-inserted ND Strip.

FEATURES:

- ND Strip Won't 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.
- Saves Money:** ND Strip can be inserted into virtually any fastener (standard or special) and requires 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.

- 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-F-18240
- Various NAS, AN and MS call outs.

AUTOMOTIVE

- Chrysler PF-5144, PF-5461
- Ford ES-382101-S100 & ES-378813-S100

INDUSTRIAL FASTENER INSTITUTE

- IFI 124
- IFI 524

OEM

- John Deere JD T905
- Mack Trucks 3/6 AXS5, 10 AMS1
- FMC 126052
- Cummins Engine 16,215-05

For a complete list contact ND INDUSTRIES

FEATURES CONTINUED:

- Resistant to Heat & Cold:** ND (Nylon) Strip meets and exceeds MIL-F-18240, Revision E, Type L for temperatures from -70°F to +250°F. Using other materials, ND Strip can withstand temperatures as high as 1,200°F.
- 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 re-used time and again without damage to threads.

SPECIFICATIONS

- | | |
|--|---|
| <input type="checkbox"/> Primary usage | Lock and Seal |
| <input type="checkbox"/> Reusability | 15 on-off cycles |
| <input type="checkbox"/> Material | Nylon (Type 6/6, Zytel** 101 or Zytel** 42, KEL-F*,
..... Vespel, Teflon**, Copper, Spring Steel, Stainless Steel) |
| <input type="checkbox"/> Color | Yellow (other colors available upon request***) |

Note: See MSDS for Safety & Material Handling Instructions.

® ND Strip is a registered trademark of ND Industries Inc.

* KEL-F is a registered trademark of Minnesota Mining and Manufacturing Co.

** Zytel and Teflon are registered trademarks of DuPont

*** MIL-F-18240 requires yellow nylon

How to Obtain and Record Torque Values:

1. Maximum Installation (Prevailing On) Torque: Install test nut by hand (chamfered end first) on bolt or screw until leading thread contacts locking device. Using torque wrench, rotate test nut "on" five full turns and record the maximum torque obtained.
2. First Removal (Breakaway) Torque: Apply steady pressure to torque wrench in the opposite direction from installation. Record the torque needed to start the test nut rotating with relation to the bolt or screw.
3. Remove test nut five full turns, then reverse direction and install test nut five turns. This is the second installation. Repeat procedure three more times — until the test nut has been installed a total of five times.
4. Fifth Removal (Breakaway) Torque: Apply pressure to torque wrench as in First Removal. Record the torque needed to start the test nut rotating.
5. After the fifth removal, the change in minimum breakaway torque is very slight.

**For more information on ND Strip, or any of ND Industries
other quality fastening products, contact your nearest ND Service Center:**

**ND Western Fastener
Processing Division**
13929 Dinard Ave.
Santa Fe Springs, California 90670
Phone: 310-926-3321
FAX: 310-926-4266

**ND Southwestern Fastener
Processing Division**
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**ND Midwestern Fastener Processing
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