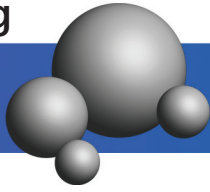


# ND Pell-It®

## Locking & Sealing



PreApplied

ND Industries® is ISO9001:2000 / AS9001B / QPL-18240F Listed / QSLM Registered

QPL-Listed  
Automotive Approved

ND  
INDUSTRIES

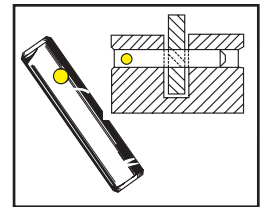
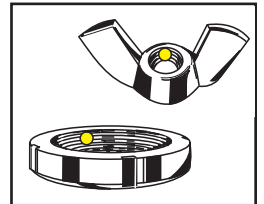
### DESCRIPTION:

- ❑ ND Pell-It is typically a tough plug of nylon (other materials available) that is inserted into a hole drilled in the fastener. ND Pell-It makes any fastener self-locking, self-sealing, reusable and fully adjustable. It can be installed in external or internally threaded fasteners of virtually any size, material or finish. It is ideal for all types and sizes of commercial, automotive and aerospace fasteners. ND Pell-It delivers outstanding performance in both high and low temperature extremes. Due to its compressibility, resilience and resistance to deformation, fasteners utilizing ND Pell-It can be repeatedly removed and adjusted.
- ❑ How ND Pell-It Works: When assembled with a mating part the resilient ND Pell-It is compressed. The compressed engineered plastic (normally Nylon) Pell-It provides locking action in the thread instead of at the bearing surface due to its vibration dampening characteristics. In general, the resilience of ND Pell-It holds the fastener in place without adhesives or thread distortion. Due to its resilience, ND Pell-It can be repeatedly adjusted and reused.
- ❑ ND Pell-It is also available in KEL-F\* and Vespel\*\* materials for higher temperature applications.
- ❑ ND Pell-It is normally positioned one to three threads back from the end of a fastener to assure ease of starting. Special ND Pell-It positioning can be specified for specific applications. ND Pell-It location and diameter can be tailored to fit your needs.
- ❑ As with all our PreApplied products, ND Industries can “Pell-Itize” your fasteners at any one of our regional service centers, or we can supply you with “Pell-Itized” fasteners.
- ❑ ND Pell-It Won’t Work Loose: Under most operating conditions, ND Pell-It is unaffected by vibration or reversal of stress. ND Pell-It locks whether your fasteners are seated or unseated, making it ideal for use with gasketed joints, plastic, or glass.



### FEATURES:

- ❑ **Externally Threaded Parts:** Any female part can be Pell-Itized by the “twist” method of spinning the Pell-It into a tapped hole from the O.D. of the part. ND Pell-It is particularly suitable for bearing retainer nuts.
- ❑ **Press-Fit Applications:** Press-Fit fasteners with ND Pell-It inserts provide a close fit without expensive close tolerances. They replace the need for extra parts, special grooves, clips, or retaining rings.



ND Pell-It meets or exceeds the performance requirements of the following specifications and/or standards:

#### MILITARY

- ❑ MIL-DTL-18240F\*\*\*, MIL-N-25027

#### AUTOMOTIVE

- ❑ DaimlerChrysler PF-5144, PF-5461, PF-6157 & PF-6158
- ❑ Ford ES-382101-S100, ES-378813-S100

#### INDUSTRIAL FASTENER INSTITUTE

- ❑ IFI 124
- ❑ IFI 524

#### OEM

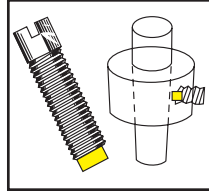
- ❑ John Deere JDT905
- ❑ Mack Trucks 3/6 AXS5, 10 AMS1
- ❑ FMC 126052
- ❑ Cummins Engine 16,215-05

For a complete list, contact ND INDUSTRIES.

## FEATURES CONTINUED:

### ❑ **ND Soft Touch Tip Pell-It Parts:**

The perfect solution for “soft touch” applications. When inserted in set-screw or bolt ends, ND Soft Touch Tip Pell-It prevents the marring and scratching caused by metal-to-metal contact. In addition, ND Soft Touch Tip Pell-It allows for full-face contact with curved shafts.



❑ **Dependable Positive Lock:** Resistant to vibration or reversal of stress, ND Pell-It locks whether fasteners are seated or unseated.

❑ **Saves Money:** Use of ND Pell-It requires no costly lock washers, cotter pins, or castellated nuts. You get a close fit without expensive close tolerances. Moreover, ND Pell-It is less expensive than applying bottled thread locking compounds at the point of assembly.

❑ **Saves Effort:** ND Pell-It greatly reduces the need for retightening.

❑ **Saves Time:** “Pell-Itized” fasteners can be automatically fed through standard feeding devices—speeding up your process and improving productivity.

❑ **Resists Heat & Cold:** ND Pell-It meets and exceeds IFI Specifications 124, 524, and military Specification MIL-DTL-18240F Type N for temperatures up to +250°F (up to + 120°C).

❑ **Resists Chemicals:** ND Pell-It is virtually impervious to a wide range of chemicals, water, and motor fluids. Pell-It will not dry, shrink, or lose resiliency when exposed to commercial solvents, alcohol, gasoline, oil, caustic soda, jet fuel, and many other chemicals.

❑ **Outstanding Reusability:** “Pell-Itized” fasteners can be reused repeatedly without damage to threads.

## SPECIFICATIONS:

Primary Usage	Material	Reusability	Effective Temperature Range	Color
Lock and Seal	Nylon 6/6	Up to 15 on/off cycles	-65F to +250F (-54C to +121C)	Typically Yellow (other colors available upon request***)
Lock and Seal	KEL-F*	0 (one installation and one removal)	-320F to +390F (-196C to +198C)	Blue
Lock and Seal	Vespel**	Up to 5 on/off cycles	-450F to +500F (-268C to +260C)	Brown

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

\*\*Vespel is a registered trademark of EI. DuPont DeNemaours & Co.

\*\*\*QPL-18240 & MIL-DTL-18240F require yellow nylon.

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

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