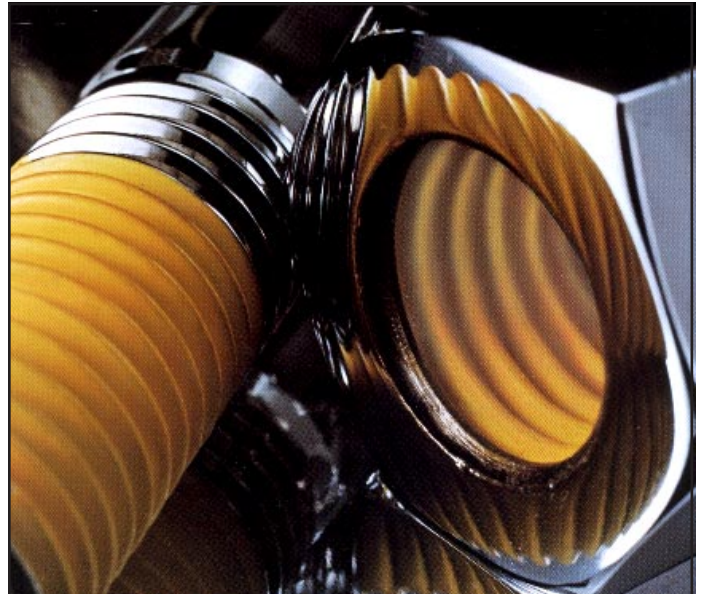


## DESCRIPTION:

- ND Patch and ND 360° Ring Patch processes produce self-locking, self-sealing, and fully adjustable threaded fasteners in all sizes and configurations, for both male or female threads of virtually any material or finish. The ND Patch coating process produces a completely dry product that is fused to the fastener and requires absolutely no curing time after installation.
- During ND Patch processing, fasteners are fed into a conveyor, precisely heated to the proper temperature, and the area to be patched is sprayed with powdered nylon which instantly fuses to the heated fastener. Fasteners are then cooled and are ready for shipment.
- How ND Patch works: When threaded onto a mating part, ND Patch is compressed. The compressed Patch exerts a spring-like wedging pressure which creates strong lateral thrust that increases the friction between the mating surfaces. Even when not fully seated, this pressure forms a positive, yet fully adjustable lock that resists back-out even after loss of clamp load. When fully seated, ND Patch forms a lock that will not loosen, even under extreme vibration. The dam-like action of the patch prevents leakage and ensures a positive seal. Patch is particularly resistant to deformation, which makes it ideal for repeated use.
- As with all of our pre-applied products, ND Industries can apply Patch to your fasteners at any one of our six regional service centers, or we can supply you with fasteners already coated with ND Patch.

## FEATURES:

- Fasteners Won't Work Loose:** ND Patch resists the effects of vibration or reversal of stress. Additionally, Patch locks whether fasteners are seated or unseated, making it ideal for use with gaskets, plastic, or glass.
- Retains Full Strength:** ND Patch involves no drilling or milling, so there's no loss of strength or hardness, as well as no troublesome burrs or chips.



- Saves Money:** ND Patch does not require costly lock washers, cotter pins, or castellated nuts. You get a close fit without the costs involved in obtaining close tolerances. Moreover, ND Patch is less expensive than applying bottled thread locking compounds at the point of assembly.

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

### MILITARY

- MIL-F-18240, MIL-N-25027

### AUTOMOTIVE

- Chrysler PF-5144, PF-5461
- Ford ES-382101-S100 & ES-378813-S100
- General Motors GM 6189M

### 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
- Rockwell International Q-70

*For a complete list contact ND INDUSTRIES*

**FEATURES CONTINUED:**

- Saves Time:** Fasteners coated with ND Patch can be automatically fed through standard feeding devices.
- Resists Heat & Cold:** ND Patch meets and exceeds IFI Specifications 124 & 524 as well as Military Specifications MIL-F-18240 Revision E, Type P, for temperatures from -70°F to +250°F.
- Chemical Resistant:** ND Patch will not dry, shrink, or lose resiliency when exposed to commercial solvents, alcohol, gasoline, oil, caustic soda, jet fuel, etc.
- Reusable:** Fasteners coated with ND Patch can be re-used repeatedly 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
<input type="checkbox"/> Color .....	Yellow (other colors available upon request**)

® ND Patch and ND Industries are registered trademarks of ND Industries, Inc.  
 \*\*MIL-F-18240 requires yellow nylon

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

**ND Western Fastener Processing Division**  
 13929 Dinard Avenue  
 Santa Fe Springs, California 90670  
 Phone: 562-926-3321  
 FAX: 562-926-4266

**ND Midwestern Fastener Processing Division/Detroit**  
 1893 Barrett Road  
 Troy, Michigan 48084  
 Phone: 248-362-1200  
 FAX: 248-362-2737

**ND Southeastern Fastener Processing Division**  
 2220-C Center Park Drive  
 Charlotte, North Carolina 28217  
 Phone: 704-329-0033  
 FAX: 704-329-0975

**ND Southwestern Fastener Processing Division**  
 3611 Dalworth Street  
 Arlington, Texas 76011  
 Phone: 817-633-2788  
 FAX: 817-649-7730

**ND Midwestern Fastener Processing Division/Cleveland**  
 9051 Dutton Drive  
 Twinsburg, Ohio 44087  
 Phone: 216-425-3167  
 FAX: 216-425-3065

**ND Eastern Fastener Processing Division**  
 128-2 Bauer Drive  
 Oakland, New Jersey 07436  
 Phone: 201-651-1500  
 FAX: 201-651-1400

**ND Midwestern Fastener Processing Division/Chicago**  
 1840 Raymond Drive  
 Northbrook, Illinois 60062  
 Phone: 847-498-3600  
 FAX: 847-498-1582



*Solutions For Fastening Technology*  
 Corporate Offices and R&D Center

1893 Barrett Road · Troy, Michigan 48084 USA · Phone: 248-362-1209 · Fax: 248-362-1730  
 Visit our web site at [www.ndindustries.com](http://www.ndindustries.com) · e-mail: [ndinfo@ndindustries.com](mailto:ndinfo@ndindustries.com)