NYLOK® RED PATCH
TORQ-PATCH®

Prevailing Torque Locking Element

NYLOK® red patch TORQ-PATCH® is a self-locking element comprised of nylon permanently bonded onto the threads of a fastener. When the NYLOK® red patch TORQ-PATCH® is engaged, it creates a wedge between the fastener and mating part compressing the nylon and creating metal to metal contact opposite the patch. This metal to metal contact results in a positive resistance to vibration and loosening. Since nylon has great memory characteristics, this locking element can be reused several times.

Technical Data — NYLOK® Red Patch TORQ-PATCH®

- Color — blue/red (special colors available upon request)
- Dry Wedge — immediate locking
- Temperature Range -56°C (-70°F) to +121°C (+250°F)
- Shelf-Life indefinite

Typical Performance Results (M10 plain finish – IFI 524)

- Prevailing-On Torque 5.0 – 10.0 Nm
- First Removal Prevailing-Off Torque (without preload) min. 2.5 – 5.0 Nm
- Fifth Removal Prevailing-Off Torque min. 1.8 – 2.8 Nm

Advantages

- Reusable/adjustable
- Exceptional vibration resistance
- Resistant to lubricants, fuel, hydraulic fluids and most commercial solvents
- Can be applied to any size or thread configuration of a fastener
- Bonds to a broad range of fastener finishes

(continued)
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Advantages (continued)

• Complies with or exceeds IFI, DIN and major OEM specifications
• Provides a seal for threads
• Parts are ready for assembly
• Precise thread coverage on every part
• Can be applied on external and internal threaded fasteners
• Is not affected by high humidity conditions
• Environmentally friendly/non-toxic
• 180° (standard) or 360° (optional) radial coverage
• Torque can be adjusted to meet specific applications
• Cost effective
• No metal removal to reduce fastener strength or performance

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<th>COMPANY NAME</th>
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| MILITARY     | MIL - DTL - 18240F  
|              | NAS1283          
|              | NASM15981        
|              | NASM25027        |
| IFI          | IFI - 100/107    
|              | IFI - 124        
|              | IFI - 524        |
| DIN          | DIN 267 PART 28  |