

# BLUE PATCH™

The original NYLOK® BLUE® self-locking, self-sealing, reusable fastener exceeds industry standards.

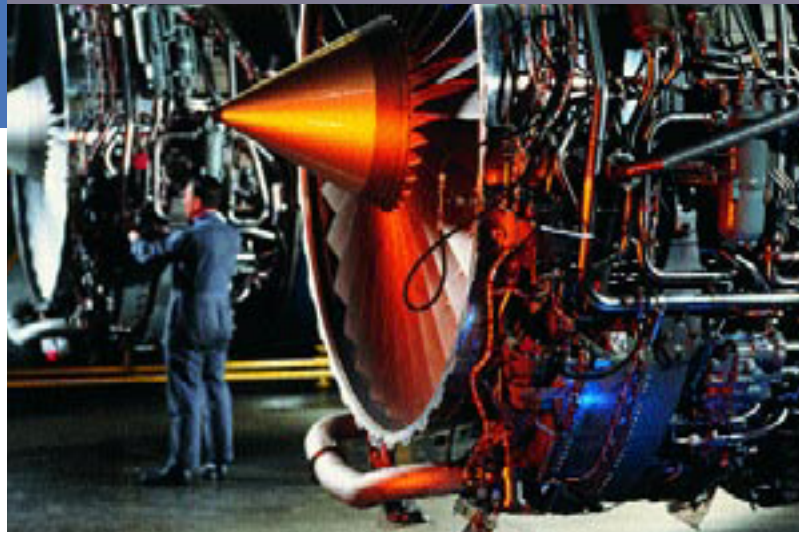


The **NYLOK® BLUE® PATCH** self-locking element is permanently spray bonded onto the threads of a fastener. When mating threads are engaged, the tough, resilient blue nylon patch element is compressed and a counterforce is created to establish a much stronger metal-to-metal contact and positive resistance to vibration and loosening.

The advantages are clear:

- Exceptional vibration resistance
- Reusable
- Adjustable
- Seals
- Applicable to any headed or non-headed fastener configuration
- 180° (std) or 360° (optional) radial coverage
- Wide variety of patch locations and coverage
- Easy to use in assembly
- Non-toxic, assembler friendly
- Environmentally friendly
- Different levels of torque available
- Applicable to a variety of materials and finishes
- Compatible with different mating part materials
- Resistant to lubricants, fuel, hydraulic fluids and most commercial solvents.
- Durable
- Cost effective
- No metal removal to reduce fastener strength or performance
- Temperature range: -70°F to 250°F (-56°C to 121°C)

A **NYLOK BLUE PATCH** (known as TUF-LOK® in Europe) self-locking patch can be applied to your own fasteners or ready-to-install self-locking fasteners can be supplied to meet your specifications. Screws as small as #00-90 (M1.0) can be processed. And **NYLOK BLUE PATCH** self-locking elements can be applied with equal effectiveness to large diameter fasteners.



## INNYVATION & NYLOK BLUE PATCH.

Innyvation is Nylok's word for our way of developing new products that solve challenges our customers are facing. It's backed by a host of worldwide patents.

The **NYLOK TRUE BLUE® PATCH** is the original self-locking patch, developed by Nylok engineers more than 30 years ago.

Nylok developed a patented process of permanently bonding a nylon patch onto the threads of a fastener to make it self-locking, self-sealing, adjustable and reusable. And we continue to be the number one holder of patents for innovative fastener technology.

### If it's new, it's Nylok.

Today at Nylok, we perform thousands of product engineering tests and simulations each year.

The result is an ever-growing number of patents for products, processes and equipment which continues to lead the field of fastener technology.

Recommendations from Nylok engineers have saved customers thousands of dollars. Many companies have experienced the value of working with us early in the design stage.

How much time and/or money can our kind of innyvation save you? Why not find out for yourself by calling us in on your next project?

The earlier, the better.

TUF-LOK® is a registered trademark of Nylok in Europe

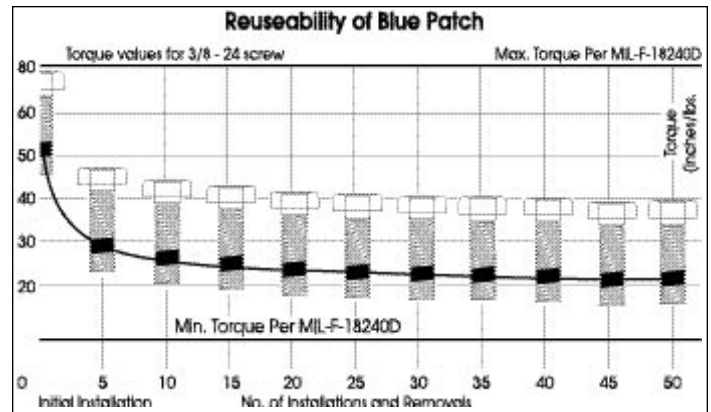


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**BLUE PATCH** meets and exceeds these key government and industry specifications:

COMPANY NAME	SPECIFICATIONS
GM	GM6189P
Ford	ES 382101-S100
Ford	ESN 800688 - S100
Ford	WA 970
DaimlerChrysler	PF5144 PF5461
DaimlerChrysler	PF6157 PF6158
Caterpillar	IE2511
Mack Truck	10AMS1 3/8 - 6AXS5
John Deer	JDT905F
MS	MS15981
Military	MIL-DTL-18240F
Military	NAS 1283
Military	AN, MS, and NAS Parts
IFI -	IFI-124
IFI -	IFI - 524
DIN	DIN 267 Part 28



## TORQ-PATCH® FASTENER VS. LOCKWASHER

(TIME TO LOOSEN UNDER MILITARY SPECIFICATION VIBRATION TEST)

SEATING TORQUE: 75 IN. LBS. (10 PCS.)

EQUIPMENT: IMPACT VIBRATION MACHINE

### FASTENER TYPE

1/4-28 SCREW  
W/SPLIT RING  
LOCKWASHER

AVERAGE: 4 MIN., 15 SEC.

1/4-20 SCREW  
W/INTERNAL  
TOOTH  
LOCKWASHER

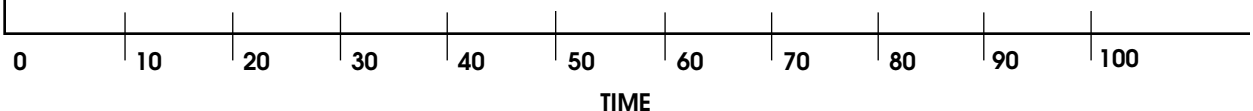
AVERAGE: 1 MIN., 15 SEC.

1/4-28 SCREW  
W/INTERNAL  
TOOTH  
LOCKWASHER

AVERAGE: 1 MIN., 9 SEC.

1/4-20 TORQ-  
PATCH SCREW

STILL HOLDING AFTER 90 MIN.



NOTE: THIS TEST PROCEDURE AS SPECIFIED  
IN MIL-F-18240 AND MS 26531.