

# TORQ-PATCH® LOCK-NUT

**NYLOK® TORQ-PATCH LOCK-NUTS.** The Blue Nylok self-locking, adjustable, reusable hex nut exceeds industry standards.



The **NYLOK® TORQ-PATCH LOCK-NUTS** self-locking element is permanently spray bonded onto the threads of virtually any type nut. 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:

- Torque values can be customized to meet your requirements
- Used on any grade standard hex nut
- Allows the use of a shorter bolt – providing lighter assemblies
- Ideal for aerospace industry where weight is critical
- Higher assembly productivity – **NYLOK TORQ-PATCH LOCK-NUTS** can be assembled from either side
- Exceptional vibration resistance
- Reusable
- Adjustable
- Wide variety of patch coverages available
- Non-toxic, assembler friendly
- Different torque levels
- Applicable to varied materials and finishes
- Compatible to mating parts
- 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 TORQ-PATCH** self-locking patch can be applied to your own hex nuts, or ready-to-install self-locking hex nuts can be supplied to meet your specifications. Hex nuts as small as #10 (M5) can be processed.

And **NYLOK TORQ-PATCH** self-locking elements can be applied with equal effectiveness to large diameter nuts.

## INNYVATION & NYLOK TORQ-PATCH LOCK-NUTS.

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 TORQ-PATCH LOCK-NUT** 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 to the threads of a hex nut to make it self-locking, adjustable and reusable. It allowed Nylok customers to use shorter bolts, creating lighter assemblies. It also increased assembly efficiency, since hex nuts can be assembled from either side.

Thanks to this kind of innyvation, we continue to be the number one holder of patents for innovative fastener technology.



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## NYLOK TORQ-PATCH LOCK NUTS

meet and exceed these key industry specifications:

COMPANY NAME	SPECIFICATIONS
FORD	ES 21000-S100
FORD	ESN 800499-S195
FORD	ES 21002-S100
FORD	ES 21006-S100
IFI	IFI-100/107
IFI	IFI-155
IFI	IFI-555
ANSI	ANSI B18.16.1M
DIN	DIN 267 Part 15

### 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 innovation save you? Why not find out for yourself by calling us in on your next project?

The earlier, the better.

