

DYSON D-LOC®

Free Spinning Lock/Seal Nuts

“VICTORY OVER VIBRATION”

- Lower Maintenance and retorquing costs
- Reduced Downtime
- Productivity peace-of-mind

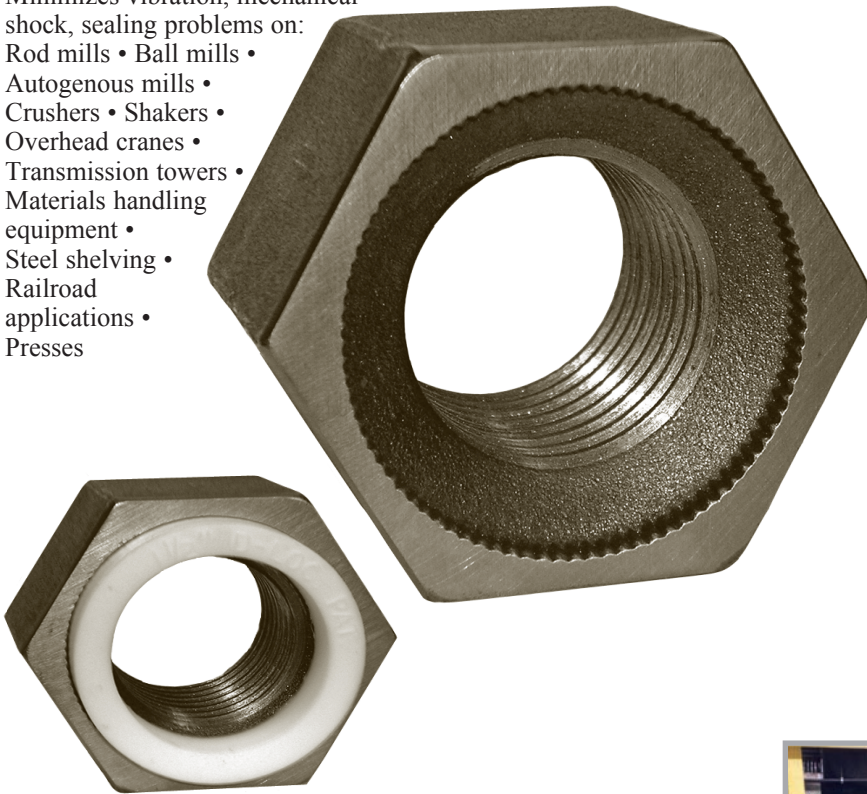
Violent Vibration? Liquid Leakage? No Problem.

The Dyson D-LOC® nut and insert spin free by hand to the bearing surface as a single unit. As the nut is torqued, the force expands the DY-LASTIC™ insert to form a tight plastic cushion on the bearing surface, on the nut and between threads of the bolt and nut. This results in a tight seal that (a) holds the nut and bolt together, (b) acts as a dampener when vibration is present and (c) seals nut/bolt union minimizing leakage in liquid and gaseous seal applications such as ball mills.

Where It Works

Minimizes vibration, mechanical shock, sealing problems on:

- Rod mills • Ball mills •
- Autogenous mills •
- Crushers • Shakers •
- Overhead cranes •
- Transmission towers •
- Materials handling equipment •
- Steel shelving •
- Railroad applications •
- Presses



▲ Slurry leakage and fastener failure on this rod mill has been eliminated due to the sealing and locking capability of the reusable D-LOC® nut



▼ The Dyson D-LOC® is manufactured in Painesville, Ohio on world class, hot parts forming equipment. Large production runs result in competitive pricing and quick turnaround from finished inventory.

A Century of Fastener Excellence

Over the last 100 years, The Dyson Corporation has become synonymous with high quality large fasteners and forgings. Dyson products are produced with state-of-the-art forging and forming equipment, ensuring you of the ultimate in quality, strength, and performance.

In addition to superior technology, manufacturing capabilities and quality control, The Dyson Corporation offers its customers fast turnaround and competitive pricing for both standard and custom fasteners.



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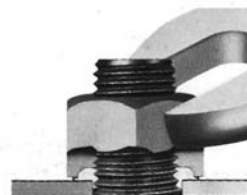
AVAILABLE SIZES (Standard & Special)

Starting at 3/8" nominal diameter, D-LOC's are inventoried up to 2-1/2". Stocking grades include ASTM-A194, grades 2 & 2H and ASTM-A563, grades A-C & DH. Standard finishes are plain, zinc and hot dipped galvanized. Threads are UNC and 8UN. Samples are available.

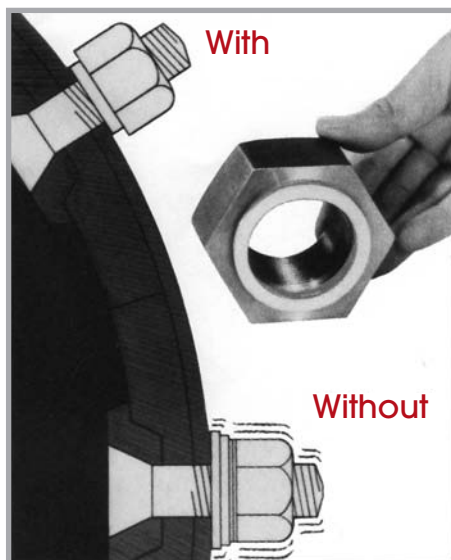
Special D-LOC's can be manufactured up to 18" nominal diameter, with all types of standard and non-standard threads. DYSON can also produce special D-LOC's in a wide variety of shapes, sizes and materials. The D-LOC principle can be applied to thick, jam, flange and coupling nuts. These customized lock nuts can be hexagon or square patterns. Other materials available include alloys, stainless & other exotics. Special finishes and coatings available upon request. Contact DYSON regarding your lock nut requirements.

Spin It, Torque It, That's It!

D-LOC lock/seal nuts spin free to the bearing surface like any ordinary nut.



Just torque the D-LOC lock/seal nut to establish a positive, secure lock that never distorts threads



DY-LASTIC P (Max. Oper. Temp. +225°F)



This type of insert is the most economical. If the lock nuts are to be used to dampen vibration or contain leakage, and your operating range is lower than +225°F, D-LOC's DY-LASTIC P is the unit that should be specified. DY-LASTIC P inserts also offer high galvanic resistance and pressure containment. Typical applications include ball mills, crushers, shaker screens, vibrators and material handling equipment.

DY-LASTIC T (Max. Oper. Temp. +500°F)



This D-LOC contains a special insert developed to contain pressures over 3,000 psi and withstand temperatures lower than -100°F and as high as +500°F. Additionally, it is an excellent locking device and damper of vibration with a chemically inert, self-lubricating characteristic.



The Dyson Corporation

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