

Bearing Locknuts

Special Locknut Solutions for Demanding Performance Requirements



PRODUCT FEATURES

These precision locknuts are used to secure landing gears, airframe structure, bearings, gearboxes, power transmissions, and other turbomachinery applications.

- Configurations include prevailing torque locknuts available with either a metallic or a non-metallic locking feature. Another style includes the use of an engaging keyway on the shaft to provide a positive locking feature.
- Various wrenching options are available including: hex, holes, slots, and spanner wrenching.
- Internally and externally threaded designs are available.
- Wide range of aerospace materials and finishes are offered for various temperature applications.
- Locknut designs are also available for high cycle reusability requirements.

Alcoa
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Bearing Locknuts

Available Configurations



PREVAILING TORQUE LOCKNUT WITH NON-METALLIC LOCKING FEATURE

- Various wrenching options are available including: hex, holes, slots and spanner wrenching.
- Non-metallic locking feature reduces the possibility of galling and shaft wear.
- Available in thread sizes of .250" and larger.
- Designed for use in temperatures up to 450°F when using a locking feature made of polyimide resin.

PREVAILING TORQUE LOCKNUT WITH METALLIC LOCKING FEATURE

- One-piece design allows face wrenching for a minimum envelope size.
- Maintains torque requirements when used on a maximum or minimum shaft thread condition.
- Capable of 50-cycle reuse with the use of proper plating and lubricants.
- Available in thread sizes of 1.250" and larger.
- May be used in high temperature applications (limited by material selection).



POSITIVE TORQUE LOCKNUT WITH KEYWAY LOCKING FEATURE

- Design allows for precise preloading of locknut using existing or manufactured keyways on mating shaft.
- Serrated design provides a positive mechanical lock that is not dependent on lubricants or plating for repeatability.
- "Free-running" feature reduces the possibility of thread damage on the shaft.
- Available in thread sizes of .500" and larger.
- May be used in high temperature applications (limited by material selection).

