

# High Temperature & High Vibration Fastener 耐高温振动紧固件



## 耐高温紧固件的优势

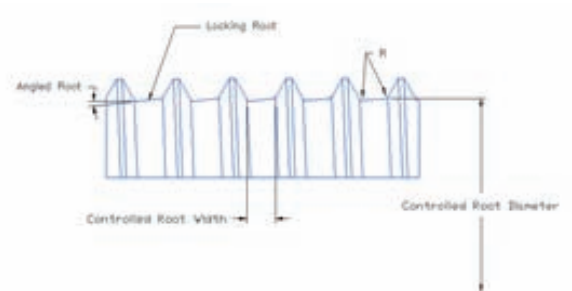
- ◆ 最小化高温下氧化腐蚀风险
- ◆ 采用合适的涂覆或电镀最小化紧固件“咬死”的风险
- ◆ 可同时提供相匹配的耐高温螺母

## Benefits of the high temperature & high Vibration fastener

- ◆ *Minimize oxidation and corrosion at high temperature.*
- ◆ *Minimize galling with proper coating and plating.*
- ◆ *Ability to supply nuts as well as bolts/studs*

## 防松螺纹的优势

- ◆ 方便使用标准工具进行安装
- ◆ 相比标准螺纹紧固件有更强的抗拉，抗扭转及抗剪切能力
- ◆ 可多次拆装，重复使用
- ◆ 能有效抑制振动导致的紧固件松脱
- ◆ 与标准螺纹孔相匹配
- ◆ 可控的预置扭矩



## The advantages of Maynard Improved Lock thread

- ◆ *Easy to install with standard driving tools.*
- ◆ *Strong in tension, torsion, and shear than standard fastener.*
- ◆ *Self-locking action resists shock, vibration, and backing out.*
- ◆ *Can be removed and reused.*
- ◆ *Works well in standard tapped holes.*
- ◆ *Controlled prevailing torque*



## 防松螺纹与标准螺纹相比 Lock Thread VS Standard Thread

标准螺纹间配合有过多的空间，使得紧固件在振动或者热膨胀时易于发生松脱。

*Standard thread has excessive space that causes fasteners to loosen due to vibration or thermal expansion.*



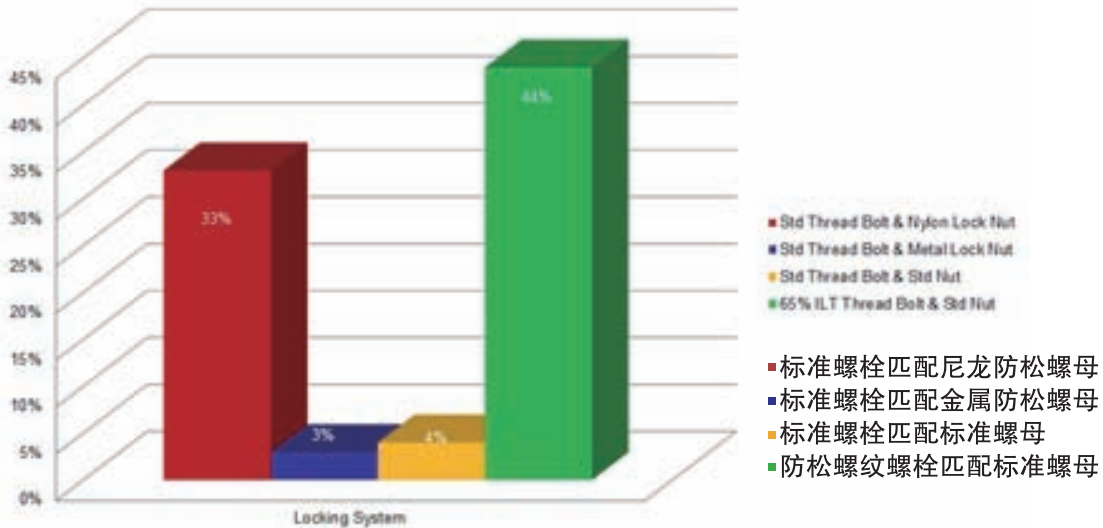
防松螺纹小径处的坡度角设计使得内外螺纹紧密地配合在一起，能有效抑制松脱。

*Lock thread consumes the space for an engineered fit on the ram*



## 残余夹紧力对比测试 Residual Clamp Test

Residual Clamp after 80 Seconds Junkers  
1000 Cycles, 80 sec, 12.5 Hz, 1.6mm displacement, torque 300 Ft-lb



## 应用案例 Applications Example



涡轮增压器 Turbocharger



排气歧管 Exhaust Manifold