

# High Temperature and High Vibration Fasteners 耐高温&高振动紧固件

**Our bolts and studs are rated for and found in the high temperature joints of engine exhaust systems in all vehicle types.**

我们的螺栓及螺柱适用于且已经大量应用在各种车辆的排气系统的高温连接部位。

## High Temperature & High Vibration Fasteners 耐高温&高振动紧固件

Minimizes oxidation and corrosion at high temperatures

最大程度地降低高温下氧化腐蚀的可能性

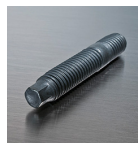
Minimizes galling with proper coating and plating  
使用合适的表面处理最大程度地降低螺纹咬死的风险

Supplying nuts, bolts and studs  
提供螺母、螺栓及螺柱

Specialty alloys to withstand up to 900 degrees Celsius  
可以提供承受900摄氏度高温的特殊合金产品

Metric and Inch sizes available  
公制螺纹及英制螺纹均可制造

Produces uniform clamping loads  
我们的产品可以提供一致的夹紧力



## MacLean-Fogg Lockthread MacLean-Fogg 防松螺纹

Easy to install with standard installation tools  
易于使用标准工具安装

Stronger in tension, torsion and shear  
有更强的抗拉、抗扭及抗剪切能力

Self-lock resists shock, vibration and loosening  
防松特性能有效抑制由于振动导致的松脱

Can be removed and reused  
易于拆卸且可反复使用

Works well in standard tapped holes  
适用于各种标准螺纹孔

Controlled prevailing torque  
稳定控制的预置扭矩

## Lockthread 防松螺纹

Lockthread consumes the space for an engineered fit with mating internal (female) threads

防松螺纹与标准母螺纹间的配合没有过多的空隙，能有效防止松脱。



## Standard Thread 标准螺纹

Standard threads have excessive space that causes fasteners to loosen due to vibration or thermal expansion

标准螺纹间的配合有许多空隙，当发生振动或者热膨胀时，这些间隙容易导致紧固件发生松脱。



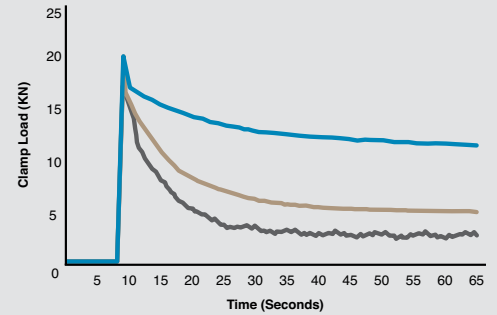
## Applications 应用

Exhaust Gas Recirculation  
废气再循环  
Catalytic Converter  
三元催化器  
Exhaust Manifold  
排气歧管  
Heat Shields  
排气隔热罩  
Selective Catalytic Reduction  
选择性催化还原原  
Turbocharger  
涡轮增压器



## Residual Clamp Test 残余夹紧力测试

- MacLean-Fogg Lockthread  
Maclean-Fogg 防松螺纹
- Standard Crimped Lock Nut  
标准金属防松螺母
- Standard Free Running Nut / Bolt  
标准螺纹螺母/螺栓



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