

Nickel free anti-seize

Description

MOLYSLIP FERROSLIP is an extreme high temperature anti-seize compound formulated to protect fasteners from seizure induced by extremes of temperature, pressure and corrosion. The mineral oil base fluid contains micronized particles of metallic and non-metal fillers to provide excellent lubrication and protection to threads and components.

MOLYSLIP FERROSLIP is resistant to temperatures up to 1400°C and effectively protects against chemical corrosion and oxidation. Free of copper, lead, sulphides, fluorides, chlorides and nickel, FERROSLIP is designed to offer outstanding performance while minimising health, safety and environmental concerns. FERROSLIP is recommended for use on screws, flanges, nozzles, couplings and other metal fittings. FERROSLIP can be used on stainless steel and other hard metals such as titanium – the excellent lubricity minimises damage to the protective oxide layer to prevent pick-up during thread tightening.

Features and benefits

- High temperature capability – up to 1400°C
- Ensures consistent friction between threads
- Protects against galling and seizure
- Protects against rust and corrosion
- Eases assembly of tight tolerance components
- Nickel free for improved health and safety

Instructions for use

MOLYSLIP FERROSLIP should be used as supplied. Ensure surfaces to be treated are clean and dry - free from oil, grease or dirt contamination. Apply a thin even coating by rubbing onto the surface with a lint free cloth.

Packaging

500g tin

Technical data

Ferroslip



Technical data (typical values)

Property	Result
Consistency	NLGI 1
Effective temperature range	-100°C up to +1400°C
Solidification point (of the base fluid)	-20°C
Base oil viscosity	100 cSt

When a compound is applied to a threaded fastener that will be tightened to a specific torque setting, the torque setting will require adjustment to allow for the lubricating effect of the compound. Failure to do so can result in incorrect tension in the fastener. Correct torque settings can be calculated using the tables and charts below and the standard thread equation:

$$T = KDP$$

T = Torque (N.m)
D = Diameter (m)
P = Clamping force (N)
K = Nut factor

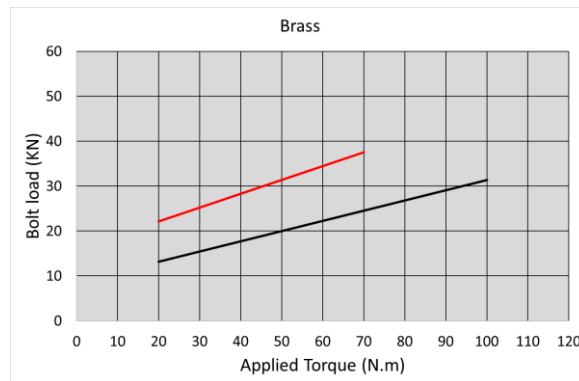
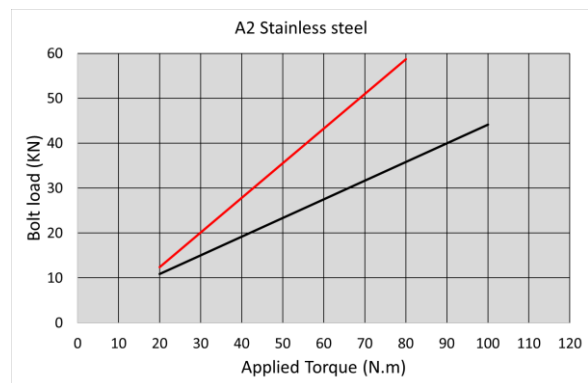
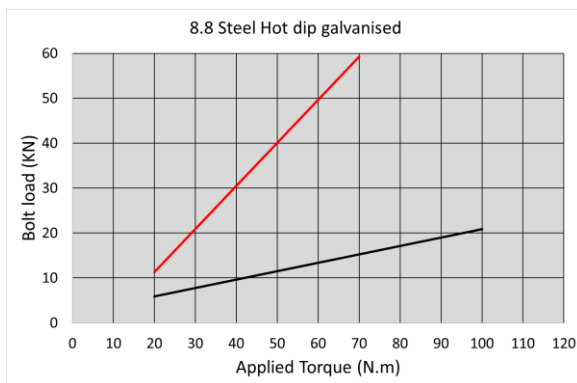
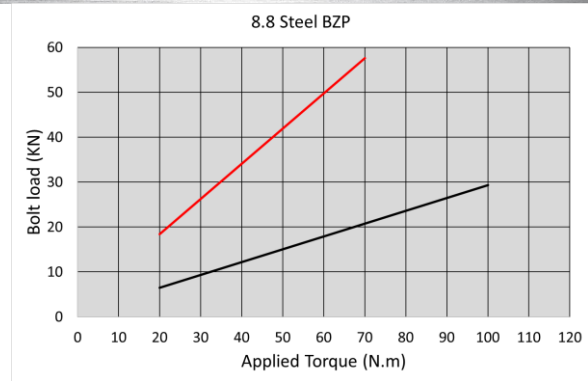
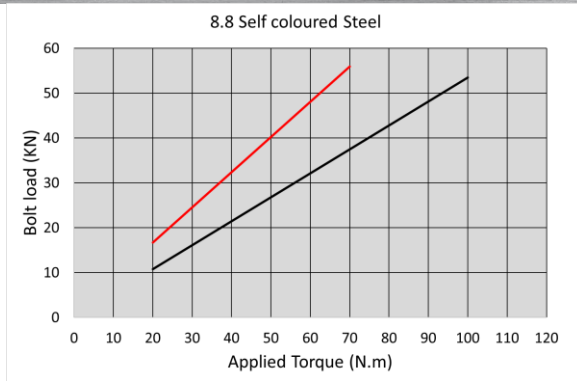
Material	K Nut factor
8.8 Steel self coloured	0.10
8.8 Steel BZP	0.10
8.8 Steel Hot dip galvanised	0.11
A2 Stainless steel	0.12
Brass	0.12

These results were obtained from the tension-torsion relationship measured on M12 x 50mm setscrews with 1.75mm thread pitch, full nut and form A washers. Fasteners were degreased and a thin layer of compound applied to the thread, underside of bolt head and top of the nut.

Technical data

Ferroslip

MOLYSLIP[®]



Black = Degreased fastener
 Red = Ferroslip

The product information in this publication is based on knowledge and experience at the time of printing. There are many factors outside our control or knowledge which affect the use and performance of our products, for which reason it is given without responsibility.
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