

Graphite based anti-seize

Description

MOLYSLIP GRAPHSLIP is a premium performance, graphited anti-seize compound formulated to protect fasteners from seizure induced by extremes of temperature, pressure and corrosion. The semi-synthetic base fluid contains a unique combination of micronized, non-metallic solids and high purity graphite to provide excellent lubrication and protection to threads and components.

MOLYSLIP GRAPHSLIP is resistant to temperatures up to 550°C due to the ultra-high melt point solids that remain stable where traditional filler metals would fail. The non-metallic nature also means that the risk galvanic corrosion due to the presence of dissimilar metals is eliminated. MOLYSLIP GRAPHSLIP is suitable for use on brake assemblies, all studs, nuts, bolts and other threaded connections, including exhaust systems and manifolds.

Features and benefits

- Ensures consistent friction between threads
- Protects against galling and seizure
- Excellent protection against rust and corrosion
- Eases assembly and dismantling of components

Instructions for use

MOLYSLIP GRAPHSLIP 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

Graphslip



Technical data (typical values)

Property	Result
Appearance	Smooth black paste
Consistency	NLGI 2
Drop point	>300°C
Effective temperature range	-100°C up to +550°C

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

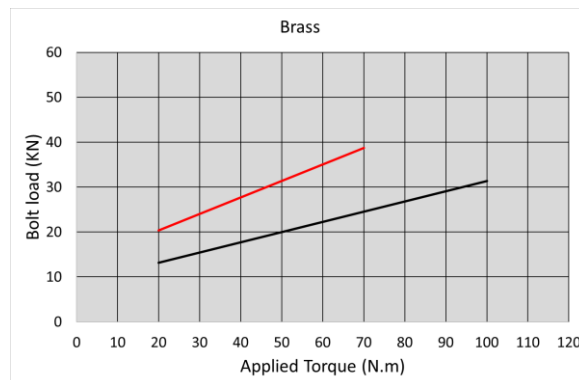
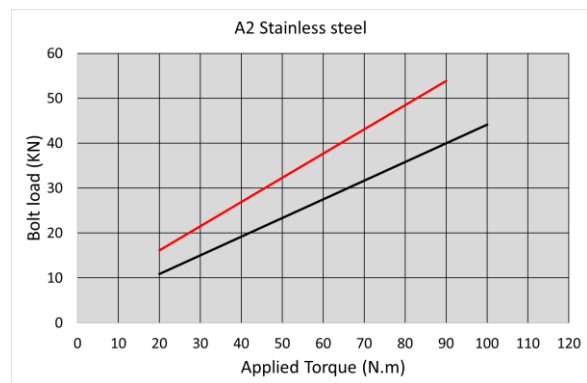
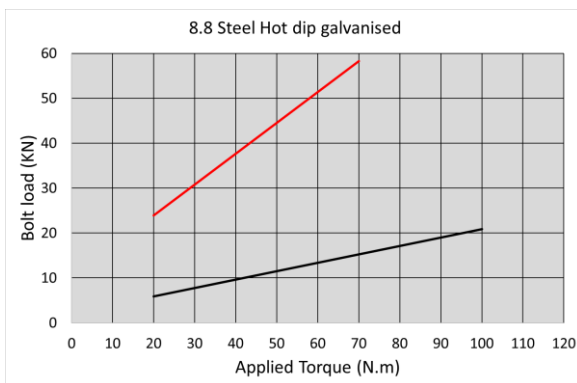
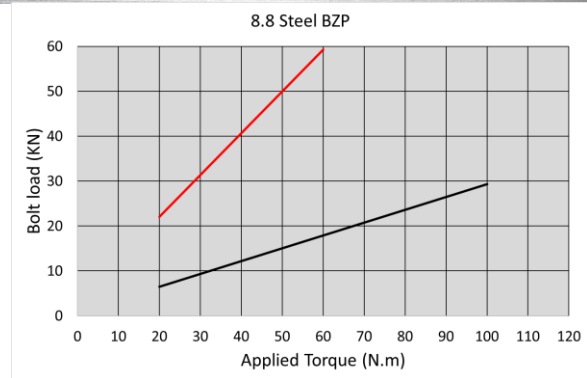
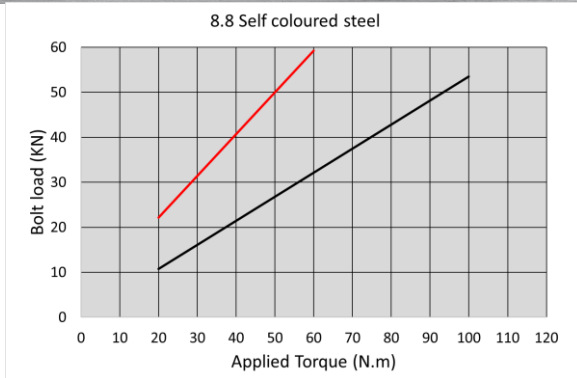
Material	K Nut factor
8.8 Steel self coloured	0.08
8.8 Steel BZP	0.08
8.8 Steel Hot dip galvanised	0.09
A2 Stainless steel	0.13
Brass	0.12

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

Graphslip

MOLYSLIP[®]



Black = Degreased fastener
 Red = Graphslip

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.
 Issue date 06-17

Molyslip Atlantic Limited, 4 Huntsman Drive, Northbank Industrial Park, Irlam, Manchester, M44 5EG, UK
 Tel: +44 (0)161 804 4700 Fax: +44 (0)161 804 4701 enquiries@molyslip.co.uk www.molyslip.co.uk

Company registration number: 02664511; Company registered in England VAT registration number GB578295191

Technical data

Graphslip

MOLYSLIP[®]

Molyslip Atlantic Limited, 4 Huntsman Drive, Northbank Industrial Park, Irlam, Manchester, M44 5EG, UK
Tel: +44 (0)161 804 4700 Fax: +44 (0)161 804 4701 enquiries@molyslip.co.uk www.molyslip.co.uk

Company registration number: 02664511; Company registered in England VAT registration number GB578295191