

Technical data

FERROSLIP

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 and its alloys – 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 and dismantling of components
- Nickel and calcium 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 the surface by brush or with a lint free cloth.

Refer to the product safety data sheet for guidance on safe handling, storage and disposal.

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Storage

MOLYSLIP FERROSLIP should be stored in original, unopened packaging, out of direct sunlight at temperatures between 5°C and 35°C. The most up to date shelf life information for Molyslip products can be found on the certificate of analysis issued at the time of manufacture.

Packaging and product code

Code	Pack
M120005	500g tin

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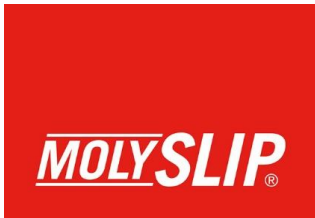
Property	Test method	Result
Appearance	-	Grey Paste
Consistency	IP50	NLGI 1
Drop point	IP132	>300°C
Effective temperature range	-	-100°C up to +1400°C

Note: these values are typical only and do not constitute a specification

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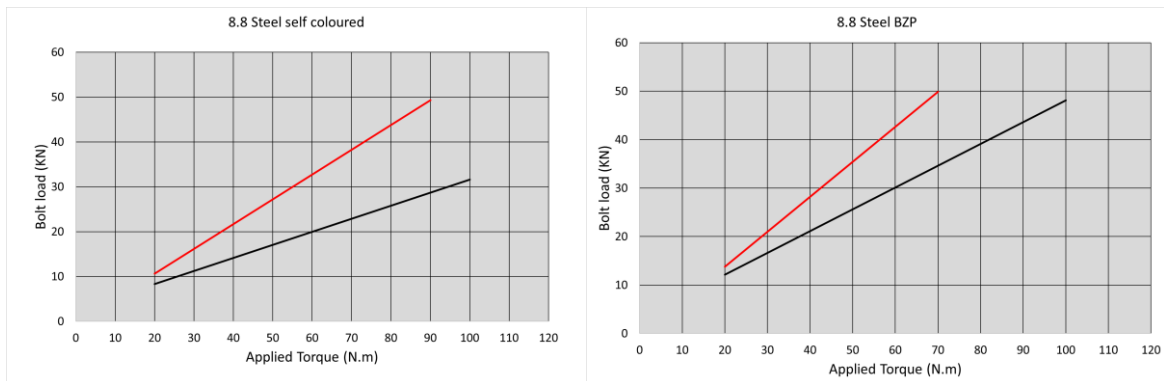
When a compound is applied to a threaded fastener that will be tightened to a specific torque setting, the torque setting will require adjustment to allow for the lubricating effect of the compound. Failure to do so can result in incorrect tension in the fastener. Correct torque settings can be calculated using the figures quoted in the tables 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	0.15
8.8 Steel BZP	0.12
8.8 Steel Hot dip galvanised	0.15
A2 Stainless steel	0.16
Brass	0.14

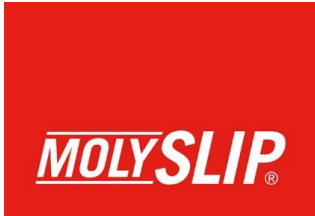
These results were obtained from the tension-torsion relationship measured on M12 x 50mm setscrews with 1.75mm thread pitch, full nut and form A washers. Fasteners were degreased and a thin layer of compound applied to the thread, underside of bolt head and top of the nut.



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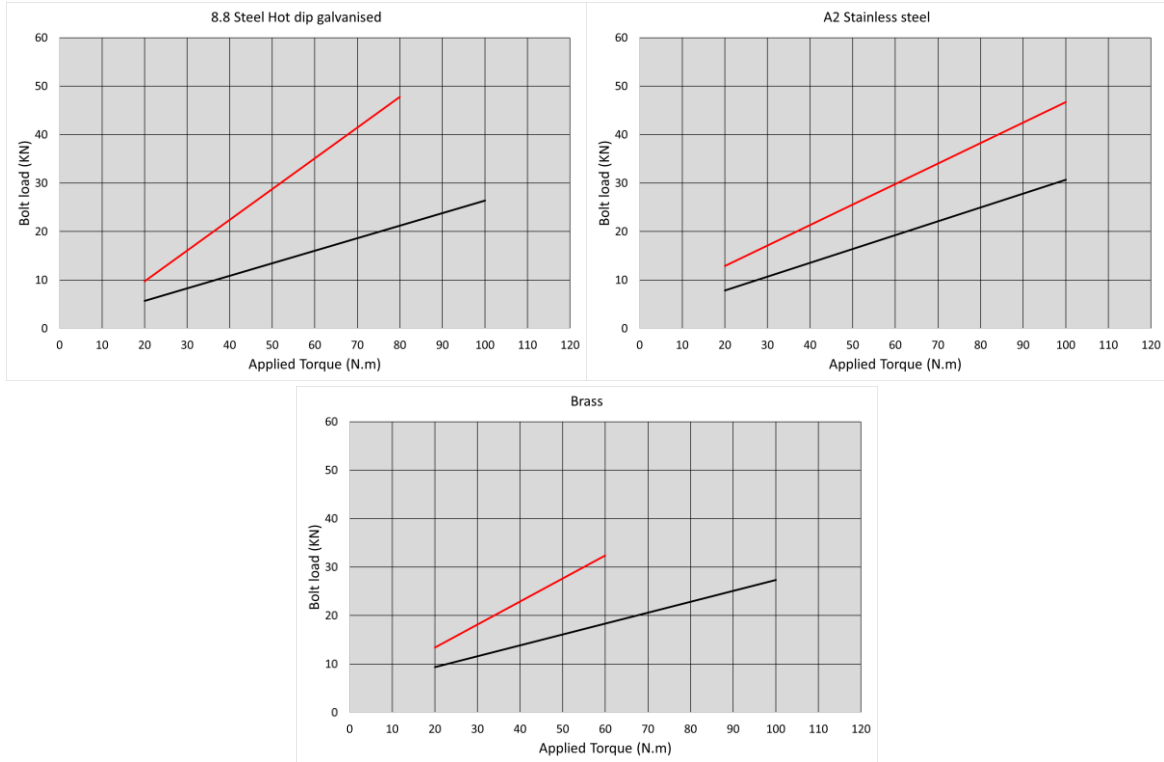
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Black = Degreased fastener
Red = FERROSLIP

Limited warranty information

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective and fully satisfactory for the intended end use. We accept no liability for any loss and/or damage arising from a failure to store out products in accordance with the information contained in this technical sheet.

Metalube Group's sole warranty is that our products will meet their quality control specifications in effect at the time of shipment. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

To the fullest extent permitted by applicable law, Metalube Group specifically disclaims any other express or implied warranty of fitness for a particular purpose or merchantability. Metalube Group disclaims liability for any incidental or consequential damages.

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