

Technical data

CERAMSLIP

Metal and Calcium free anti-seize

Description

MOLYSLIP CERAMSLIP is an advanced anti-seize compound eliminating metals and calcium compounds formulated to protect fasteners from seizure induced by extremes of temperature, pressure, and corrosion. The fully synthetic base fluid contains a unique combination of micronized, non-metallic particles to provide excellent lubrication and protection to threads and components.

The products calcium free formulation eliminates a risk factor for hexavalent chromium occurrence when used in high temperature applications in contact with chromium steel. Inclusion of synthetic ceramic material and hexagonal boron nitride provides high performance and extreme thermal resistance.

MOLYSLIP CERAMSLIP is resistant to extreme temperatures -100°C up to +1500°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 of galvanic corrosion due to the presence of dissimilar metals is eliminated.

MOLYSLIP CERAMSLIP is suitable for use on brake assemblies, studs, nuts, bolts and all other threaded fasteners, including exhaust systems and manifolds.

Features and benefits

- Free from calcium compounds
- High temperature capability up to +1500°C
- 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 CERAMSLIP 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 CERAMSLIP 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
M119005	500g tin

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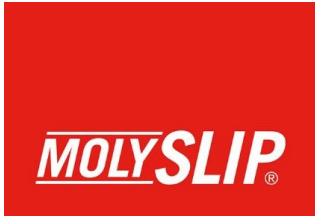
Property	Test method	Result
Appearance	-	Smooth off-white paste
Consistency	IP50	NLGI 2/3
Drop point	IP132	>300°C
Effective temperature range	-	-100°C up to +1500°C

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

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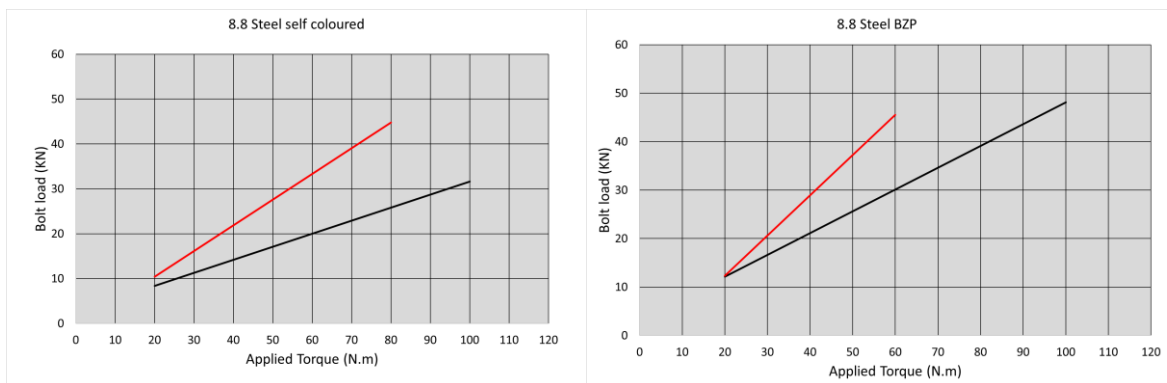
When a compound is applied to a threaded fastener that will be tightened to a specific torque setting, the torque setting will require adjustment to allow for the lubricating effect of the compound. Failure to do so can result in incorrect tension in the fastener. Correct torque settings can be calculated 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	0.21
A2 Stainless steel	0.24
Brass	0.18

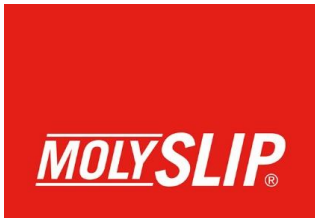
These results were obtained from the tension-torsion relationship measured on M12 x 50mm setscrews with 1.75mm thread pitch, full nut and form A washers. Fasteners were degreased and a thin layer of compound applied to the thread, underside of bolt head and top of the nut.



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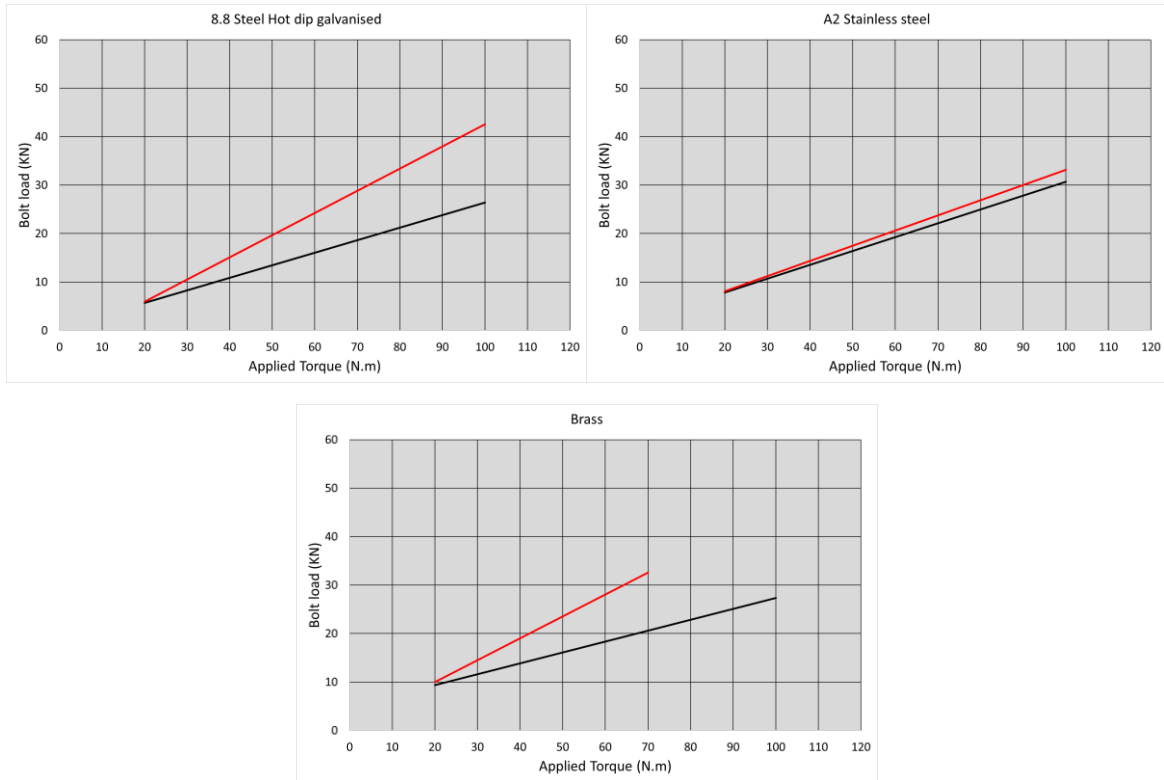
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Black = Degreased fastener
Red = CERAMSLIP

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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