

Technical data

COPASLIP

High temperature anti-seize

Description

MOLYSLIP COPASLIP is a high performance anti-seize compound specifically formulated to protect fasteners from seizure induced by extremes of temperature, pressure and corrosion. The semi-synthetic base fluid is reinforced with anti-oxidants, corrosion inhibitors and ultra-pure copper particles to provide outstanding protection to threads and components.

MOLYSLIP COPASLIP minimises variations in frictional interference between threads allowing accurate, consistent assembly. It also prevents galling and seizure during assembly and dismantling – even after long periods of exposure to high temperatures, corrosive environments or high pressure.

Features and benefits

- Ensures consistent friction between threads
- Protects against galling and seizure
- Protects against rust and corrosion
- Eases assembly of the tight tolerance components
- Withstands extreme temperature

Instructions for use

MOLYSLIP COPASLIP 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.

Storage

MOLYSLIP COPASLIP 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 Moly slip products can be found on the certificate of analysis issued at the time of manufacture.

Metalube Group Ltd, 4 Huntsman Drive, Northbank Industrial Park, Irlam, Manchester, M44 5EG, UK

Tel: +44 (0)161 775 7771 enquiries@moly slip.co.uk www.moly slip.co.uk

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Packaging and product code

Code	Pack
M113001	100g tube
M119005	500g tin
M113020	20kg pail
M113050	5kg pail
M113090	200kg drum

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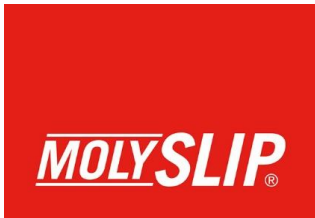
Property	Test method	Result
Appearance	-	Smooth copper paste
Consistency	IP50	NLGI 2
Base oil viscosity	-	100 cSt
Drop point	IP396	>300°C
Flash point	IP34	>200°C
Effective temperature range	-	-40°C up to +1100°C
Coefficient of friction (steel on steel, steady state)		0.12

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

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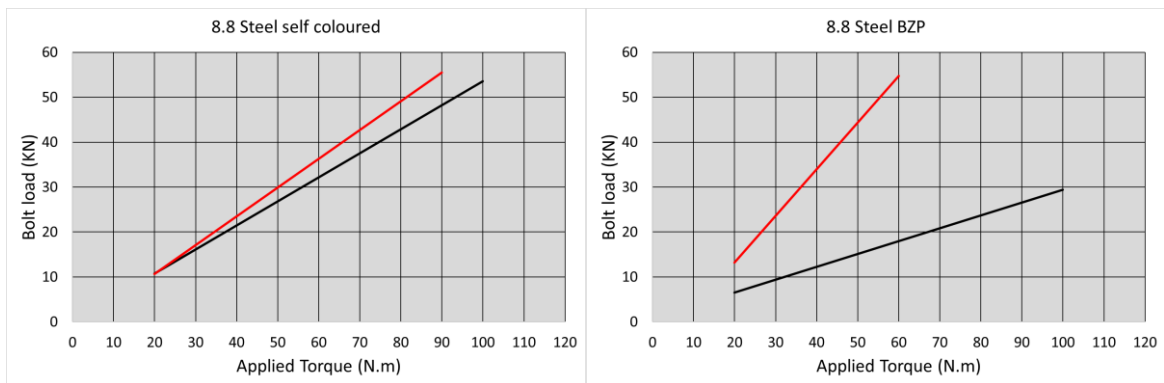
When a compound is applied to a threaded fastener that will be tightened to a specific torque setting, the torque setting will require adjustment to allow for the lubricating effect of the compound. Failure to do so can result in incorrect tension in the fastener. Correct torque settings can be calculated 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	0.14
8.8 Steel BZP	0.10
8.8 Steel Hot dip galvanised	0.14
A2 Stainless steel	0.13
Brass	0.12

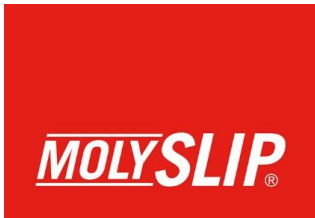
These results were obtained from the tension-torsion relationship measured on M12 x 50mm setscrews with 1.75mm thread pitch, full nut and form A washers. Fasteners were degreased and a thin layer of compound applied to the thread, underside of bolt head and top of the nut.



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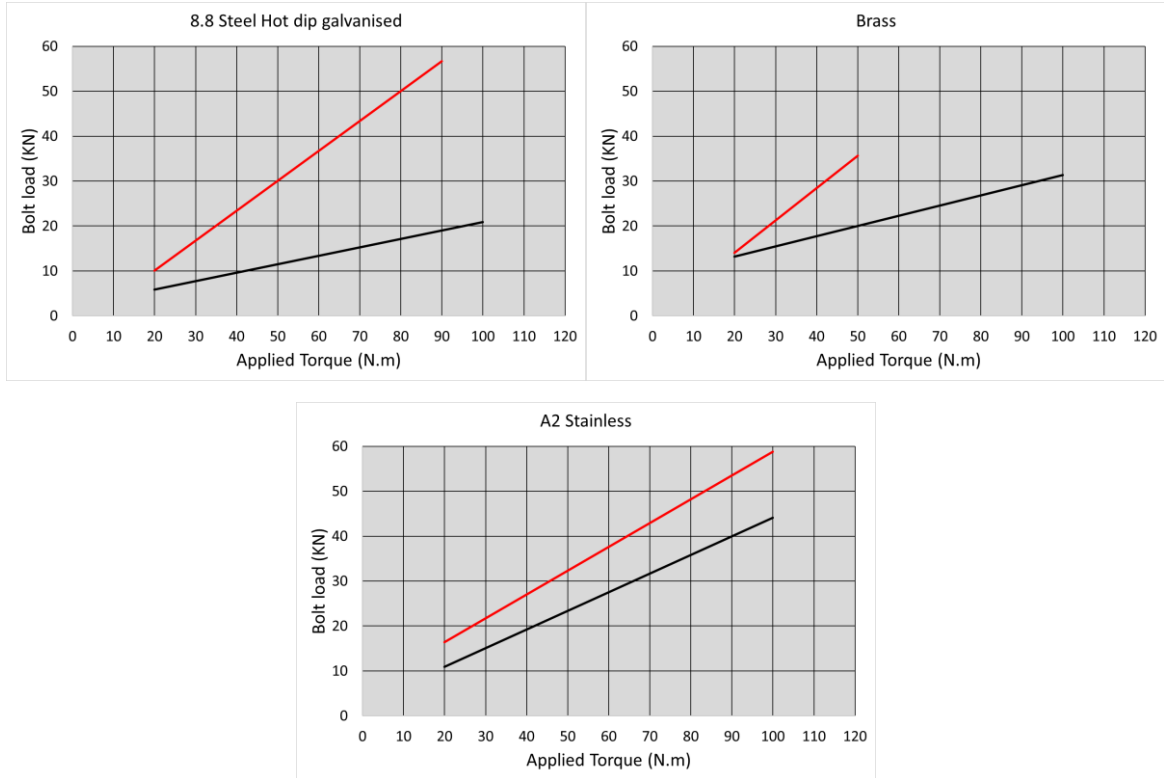
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Black = Degreased fastener
Red = COPASLIP

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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