

High performance lubricants for drilling, reaming and tapping

Description

MOLYSLIP TAP is a range of high performance lubricants designed for severe metal working operations such as drilling, reaming and tapping. They are highly concentrated mixtures of lubricity and reactive extreme pressure and anti-wear additives.

MOLYSLIP TAP products provide excellent surface finish to components and protect tooling from wear and damage. They are suitable for most drilling, reaming and tapping (spiral point, spiral flute and fluteless) operations on most metals. However it is advised that compatibility is checked prior to use as the sulphurised extreme pressure additives may interact with some metals. For situations where chlorine must be avoided use TAP Chlorine free, where both chlorine and sulphur must be avoided it is advised that TAP AQUA is used.

MOLYSLIP TAP liquid can also be used to fortify flood applied neat cutting oils, typical addition rates are 5-10% (check compatibility prior to addition).

Features and benefits

- Excellent extreme pressure and anti-wear performance
- Maximises tool life in arduous operations
- Available in liquid, paste and aerosol form

Instructions for use

To obtain optimum performance MOLYSLIP TAP products should be used as supplied. Apply either directly to the tool (while stationary) or to the hole to be tapped. TAP liquid can be used as a supplement to boost the performance of neat cutting oils used in lathes and milling machines etc. The recommended addition rate is 5% - however check compatibility with the oil to be treated before adding TAP.

Packaging

Compound: 450g tin and 4.5kg pail

Liquid: 350ml bottle, 400 ml aerosol and 5ltr

Technical data

TAP



Technical data (typical values)

Property	Test method	TAP liquid	TAP compound
Appearance	-	Brown liquid	Brown soft paste
Kinematic viscosity at 40°C	MSTM27	85 cSt	-
Melt point	IP371	-	52°C
Unworked penetration	IP50	-	375 mm ⁻¹⁰
Copper corrosion	IP112		1b
4-ball weld load	IP239		>800kg
Silicone content	-		Nil

Results for TAP spray are the same as TAP liquid

Storage

Store MOLYSLIP TAP out of direct sunlight. Storage temperature should be controlled to between 5°C and 35°C.

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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