

Technical data

Metal working range

The logo for MOLYSLIP, featuring the brand name in a bold, italicized, sans-serif font with a registered trademark symbol, set against a red rectangular background.

Lubricants for drilling, reaming, tapping and other metal working operations

Description

MOLYSLIP MCC, MWF and MWS 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.

All of the products in the range 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. For maximum flexibility of use and to accommodate individual preference the products available are:

- MCC - A soft paste compound suitable for brush or dip application
- MWF - A medium viscosity fluid suitable for manual application or automatic lubricator systems
- MWS - A convenient aerosol form of MWF

It is advised that compatibility is checked prior to use as the sulphurised extreme pressure additives may interact with some metals.

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 MCC, MWF and MWS should be used as supplied. Apply either directly to the tool (while stationary) or to the hole to be tapped. Do not apply to rotating tooling.

Packaging

- MCC compound: 450g tin and 4.5kg pail
- MWF liquid: 350ml bottle and 5ltr
- MWS spray: 400ml aerosol

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Technical data (typical values)

Property	Test method	MWF	MCC
Appearance	-	Brown liquid	Black soft paste
Kinematic viscosity at 40°C	MSTM27	54 cSt	-
Melt point	IP371	-	52°C
Unworked penetration	IP50	-	375 mm ⁻¹⁰
Copper corrosion	IP112		1b
4-ball weld load	IP239	>800kg	450kg
Silicone content	-		Nil

Results for MWS spray are the same as MWF liquid

Storage

Store MOLYSLIP MCC, MWF and MWS 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.
Issue date 06-17