

SLIDEWAY POWER 680

Slideway Oil

SLIDEWAY POWER 680 is a superior quality lubricant specially developed to meet the requirements of modern high production machine tool slideways.

SLIDEWAY POWER 680 is based on high quality virgin mineral base oil in combination with an unique additive package to ensure the following properties:

- Low frictional properties reduce chatter and stick-slip of slides and ways.
- Improved surface finish and dimensional accuracy of workpieces.
- Excellent demulsibility provides ready separation from soluble cutting fluids.
- Prolonged coolant life and reduced cost of replacement and disposal.
- Superior metal wetting properties and adhesiveness resist wash-off from critical surfaces and protect from attack of high pH coolants.
- Good filterability provides easy circulation through filters and reduces stick-slip, chatter and wear.
- Excellent anti-wear performance provides high levels of protection for gears, bearings and slides.
- Effective rust and corrosion inhibitors provide enhanced protection of machine tool slides even in presence of aqueous cutting fluids.
- Good thermal and oxidative stability.

SLIDEWAY POWER 680 meets the following performance criteria:

ISO 6743-4 HG

ISO 6743-13 GA

Typical Analysis

Properties	Unit	Method	Typical Value
ISO VG Class			680
Density @15 °C	kg/m ³	ASTM 4052	905
Kinematic Viscosity @ 40 °C	mm ² /s	ASTM D7042	680
Flash Point COC	°C	ASTM D92	>200
Pour Point	°C	ASTM D7346	-9
CM Stick Slip Frictional Test		CM	<0.8
Copper Corrosion 3 hrs @100 °C, max		ASTM D130	1b
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