



Magna BDX 68

Machine tool slide lubricants

Description

Castrol Magna™ BDX 68 slideway oil is based upon highly refined mineral oils, which incorporate tackiness and lubricity additives.

Application

Castrol Magna BDX 68 slideway oil incorporates tackiness and lubricity additives to give smooth slideway movement under heavy loads. It is a high performance emulsifying slideway lubricant specially formulated for use in individual machines where coolant and oil separation is not practical. Magna BDX 68 will emulsify with the metalworking fluid in use, however this may cause instability of the coolant over a period of time.

Advantages

- Incorporate tackiness and lubricity additives.
- Exceptionally low frictional forces and good "stick-slip" resistance.
- Good protection against metal corrosion and staining.
- Suitable for all types of slideway materials.

Typical Characteristics

Name	Method	Units	BDX 68
Density @ 20°C / 68°F	ISO 12185 / ASTM D4052	kg/m ³	880
Kinematic Viscosity @ 40°C / 104°F	ISO 3104 / ASTM D445	mm ² /s	68
Kinematic Viscosity @ 100°C / 212°F	ISO 3104 / ASTM D445	mm ² /s	8.73
Viscosity Index	ISO 2909 / ASTM D2270	-	100
Flash Point - closed cup method	ISO 2719 / ASTM D93	°C/°F	234/453
Pour Point	ISO 3016 / ASTM D97	°C/°F	-12/+10
Copper corrosion (3 hrs@100°C/212°F)	ISO 2160 / ASTM D130	Rating	1
Rust test - distilled water (24 hrs)	ISO 7120 / ASTM D665A	-	Pass

The above figures are typical of those obtained with normal production tolerance and do not constitute a specification.

Storage

All products should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and the obliteration of drum markings. Packages must not be stored above 60°C, exposed to hot sun or freezing conditions.

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