



Magna™ SW WT Range

Machine Tool Slide Lubricants

Description

Castrol Magna SW WT Range (previously called Magna™ BD_X 68 + CF_X 220) slideway oils are based upon highly refined mineral oils, which incorporate tackiness and lubricity additives.

Application

Magna SW WT Range slideway oils incorporate tackiness and lubricity additives to give smooth slideway movement under heavy loads.

They are high performance emulsifying slideway lubricants specially formulated for use in individual machines where coolant and oil separation is not practical.

Both Magna SW 68 WT and SW 220 WT 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	SW 68 WT	SW 220 WT
Density @ 20°C / 68°F	ASTM D4052 / ISO 12185	kg/m ³	880	884
Kinematic Viscosity @ 40°C / 104°F	ASTM D445 / ISO 3104	-	68	220
Kinematic Viscosity @ 100°C / 212°F	ASTM D445 / ISO 3104	mm ² /s	8.73	19.6
Viscosity Index	ASTM D2270 / ISO 2909	mm ² /s	100	100
Flash Point - closed cup method	ASTM D93 / ISO 2719	°C/°F	243 / 453	243 / 470
Pour Point	ASTM D97 / ISO 3016	°C/°F	-12/+10	-12/+10
Copper corrosion (3 hrs@100°C/212°F)	ASTM D130 / ISO 2160	Rating	Pass	Pass
Rust test - distilled water (24 hrs)	ASTM D665A / ISO 7120	-	1	1

Subject to usual manufacturing tolerances.

This product was previously called Magna BDX 68 + CFX 220. The name was changed in 2015.

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