



Magna™ SW DX Range

Slideway oil

Description

Castrol Magna™ SW DX Range (previously called Magnaglide™ DX 68 and DX 220) have excellent demulsifying and adhesive properties. This combination prevents mixing with water miscible cutting fluids and also prevents extrusion and/or washing off of the lubricating film during use with water miscible cutting fluids. Stick slip movements are avoided even with high loads, which can impair the tool slide working accuracy.

Magna SW DX Range have constant glide behaviour, excellent adhesion (for horizontal and vertically guide ways), good wear protection as well as the excellent corrosion protection and ageing resistance.

Application

Magna SW DX Range are suitable for lubrication of slideways and guides on tool machines.

These products are especially suitable for plastic coated guideways.

With use of Magna SW DX Range, possible swelling of the plastics won't occur like they can with use of conventional, non-demulsifying slideway oils.

Typical Characteristics

Name	Method	Units	SW DX 68	SW DX 220
ISO Viscosity Grade	-	-	68	220
Colour - Saybolt	ASTM D156 / ISO 2049	-	2.5	2.5
Density @ 15°C / 59°F	ASTM D4052 / ISO 12185	kg/m ³	884	893
Kinematic Viscosity @ 40°C / 104°F	ASTM D445 / ISO 3104	mm ² /s	68	218
Kinematic Viscosity @ 100°C / 212°F	ASTM D445 / ISO 3104	mm ² /s	8.6	18.8
Flash Point - open cup method	ASTM D92 / ISO 2592	°C/°F	236	260
Pour Point	ASTM D97 / ISO 3016	°C/°F	-12	-12
Acid Number	ASTM D974 / ISO 6618	mgKOH/g	0.5	0.50
Copper corrosion (3 hrs@100°C/212°F)	ASTM D130 / ISO 2160	Rating	1-100	1-100
Rust test - distilled water (24 hrs)	ASTM D665A / ISO 7120	-	0 - A	0 - A

Subject to usual manufacturing tolerances.

This product was previously called Magnaglide DX 68 and DX 220. The name was changed in 2015.

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Castrol Industrial, Technology Centre , Whitchurch Hill , Pangbourne , Reading , RG8 7QR , United Kingdom

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