



Product Data

Castrol Magna® Series

Castrol Magna® oils are recommended for machine tools that rely on sliding ways for precision and accuracy in machine operations. These oils have been fortified with selected oiliness and extreme pressure additives, along with a special component that imparts tackiness and adhesiveness. **Castrol Magna®** oils are formulated with high viscosity index, severely solvent-refined or severely hydrotreated base oils for health, safety and performance. These additives provide smooth stick-slip-free performance. Thus, **Castrol Magna®** oils deliver smooth operation under normal and severe operating conditions by reducing friction, providing extreme pressure protection and oxidation stability.

Key Performance Benefits

- High lubricity prevents slick-slip of slide ways
- Reduced wear provided by boundary lubrication during equipment shut downs
- Nondripping formula allow oils to cling to vertical surfaces, providing continuous lubrication and a clean work environment
- High viscosity index, to assure even performance across a wide range of temperatures
- Certified to meet Cincinnati Milacron performance operating loads

Compatibility With Work Materials

Castrol Magna® oils are compatible with all oil-resistant seals, all metals oil-resistant way surfaces. Consult your Castrol Sales Engineer for questions regarding compatibility.

Recommended Application

Castrol Magna® oils are designed to be used straight on many industrial applications. The oils are designed to provide smooth stick-slip-free performance on either horizontal or vertical slides and ways. Select the viscosity recommended by the equipment manufacturer. If the viscosity is too heavy it will cause hydrodynamic films to form, which will result in poor size control. If the viscosity is too low it will cause increased wear and erratic performance.



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Typical Characteristics

Castrol Magna® Oil#:

	BD 32	BD 68
Appearance	Dark brown oil, tacky	Dark brown oil, tacky
Specific Gravity @ 60°F (16°C)	0.90	0.91
Viscosity, SUS @ 100°F (38°C)	165	317-389
Bulk Density (lbs/gal)	7.57	7.62
Flash Point, COC	>300°F (149°C)	>300°F(149°C)
ISO Grade	32	68
% Total Sulfur	0.6 – 1.2	0.6 – 0.12
Cincinnati Milacron Specs	P-53	P-47

Castrol Magna® Oil#:

	CF 150	CF 220
Appearance	Clear, dark brown oil	Clear, dark brown oil, tacky
Specific Gravity @ 60°F (16°C)	0.91	0.91
Viscosity, SUS @ 100°F (38°C)	709 - 866	1047 – 1283
Bulk Density (lbs/gal)	7.67	7.69
Flash Point, COC	300°F(149°C)	>300°F(149°C)
ISO Grade	150	220
% Total Sulfur	0.95 – 1.2	0.75 – 1.2
Cincinnati Milacron Specs		P-50

For further product information, please contact Divisional Engineering.

Subject to usual manufacturing tolerances.

All reasonable care has been taken to ensure that this information is accurate as of the date of printing. Nevertheless, such information may be affected by changes in the blend formulation occurring subsequent to the date of printing. Material Safety Data Sheets are available for all Castrol products. The MSDS must be consulted for appropriate information regarding storage, safe handling and disposal of a product.

Castrol Industrial Americas

150 W. Warrenville Road
Naperville, IL 60563
Tel (877) 641 1600
Fax (877)648 9801