



## MATRAX GUIDE

### Description

Lubricant for guides and slides in drive mechanisms, mechanical lathes and other equipment.

### Application

The combination of additives in its formulation provides excellent lubrication, anti-wear, extreme pressure, and adhesiveness properties, resulting in improved performance of machine tools and ensuring smoother and more continuous motions.

Ensures good water separation, making it compatible with the presence of soluble cutting fluids.

Its viscosity and "Stick-Slip" additives reduce the friction typically associated with slow movements characteristic of slides and drives.

### Technical characteristics

High demulsibility capability in the presence of soluble cutting oils: allows for quick and immediate separation

High anti-wear performance: development of a protective film, preventing the risk of seizure by reducing friction

Thermal stability: allows its use over extended temperature ranges except in environments with high temperature gradients

Corrosion resistance: additives that reduce chemical attacks on metal surfaces by organic acids resulting from exposure to contaminants that oxidise the oil, providing extended periods of use

Excellent adhesiveness to slides: adheres to surfaces very effectively, resisting being washed away when in contact with cutting fluids

Good sliding capability: allows overcoming "Stick-Slip" issues, with benefits in terms of the quality of finished parts



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### Technical information

Parameter	<u>32</u>	<u>46</u>	<u>68</u>	<u>100</u>	<u>150</u>	<u>220</u>	<u>320</u>
Kinematic viscosity @40°C (cSt) ASTM D 445	32	46	68	100	150	150	320
Kinematic viscosity @100°C (cSt) ASTM D 445	5,7	7,1	9	11,4	15,1	15,1	24,1
Viscosity index ASTM D 2270	115	110	105	100	100	100	95
Density a 15°C (g/cm <sup>3</sup> ) ASTM D 1298	0,862	0,864	0,874	0,878	0,884	0,884	0,901
Flash point (°C) ASTM D 92	200	215	230	230	240	240	275
Freezing point (°C) ASTM D 97	-30	-30	-28	-28	-24	-24	-20

### Approvals and Recommendations

Fives Cincinnati P-47 · General Motors LS-2

All packaging must be stored in covered facilities. In cases where outdoor storage is unavoidable, the drums should be placed horizontally to prevent the possible infiltration of water, as well as their deformation. Products should not be stored above 60°C, exposed to direct sunlight or low temperatures. We advise you to read the safety data sheet carefully for more information on its use and handling.