



## MATRAX I-GEAR

### Description

High quality gear lubricant, formulated from highly refined mineral-based oils.

### Application

Lubricant recommended for use in industrial gearboxes, whether with straight or helical teeth and whether lubricated by forced circulation systems, splash lubrication, or oil bath immersion. Its formulation guarantees compatibility with most sealing materials.

### Technical characteristics

High demulsibility capability: water separation additives prevent a reduction in oil viscosity and protect metal components from oxidation  
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



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### Technical information

Parameter	<u>100</u>	<u>150</u>	<u>220</u>	<u>320</u>	<u>460</u>	<u>680</u>	<u>1000</u>
Kinematic viscosity @40°C (cSt) ASTM D 445	100	150	220	320	460	460	1000
Kinematic viscosity @100°C (cSt) ASTM D 445	11,1	14,6	18,8	24,1	30,5	30,5	50,2
Viscosity index ASTM D 2270	95	95	95	95	95	95	95
Density a 15°C (g/cm <sup>3</sup> ) ASTM D 1298	0,879	0,885	0,89	0,898	0,903	0,903	0,898
Flash point (°C) ASTM D 92	230	240	250	270	280	280	290
Freezing point (°C) ASTM D 97	-21	-18	-18	-15	-15	-15	-18

### Approvals and Recommendations

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.