



## MATRAX I-GEAR EP

### Description

High-quality gear lubricant formulated from highly refined mineral-based oils and extreme pressure additives.

### 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.

Contains high-quality extreme pressure additives, providing high load-bearing capacity and anti-friction properties to deliver superior performance in industrial applications.

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

Extreme-Pressure Performance: protects gears from wear and shock loads



## MATRAX I-GEAR EP

### Technical information

| Parameter                                       | <u>68</u> | <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      | 68        | 100        | 150        | 220        | 320        | 320        | 680        | 1000        |
| Kinematic viscosity @100°C (cSt) ASTM D 445     | 8,6       | 11,1       | 14,6       | 18,8       | 24,1       | 24,1       | 39,3       | 50,2        |
| Viscosity index ASTM D 2270                     | 95        | 95         | 95         | 95         | 95         | 95         | 95         | 95          |
| Density a 15°C (g/cm <sup>3</sup> ) ASTM D 1298 | 0,875     | 0,879      | 0,882      | 0,893      | 0,887      | 0,887      | 0,906      | 0,893       |
| Flash point (°C) ASTM D 92                      | 225       | 230        | 240        | 250        | 270        | 270        | 290        | 290         |
| Freezing point (°C) ASTM D 97                   | -21       | -21        | -18        | -18        | -15        | -15        | -15        | -18         |

### Approvals and Recommendations

DIN 51517 Part 3 · ISO 12925-1 CKC/CKD · US Steel 224 · AGMA 9005-F16 · David Brown S1,53,101 types M, A and E

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.