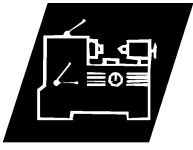


DROTECH MS



Machine tools



BEHTAM
RAVANKAR

High performance multifunctional zinc free oils for machine tools.

APPLICATIONS

DROTECH MS offers a wide range of products for all parts of machine tools (hydraulics, slides, gears).

- Machine tool slide ways under all conditions of speed and load (grades 68 to 320).
- Hydraulic circuits for hydraulic pumps and motors (grades 32 and 46).
- Gear boxes and feed mechanisms of all types with or without wet electro magnetic clutches (grades 68 to 320).
- High speed machine spindles (grades 5, 10, 15 and 22) and very high speed (grade 2).
- Hydrodynamic lubrication of mill roll stands during grinding (VG 460).
- Particularly suitable for centralized lubrication systems.
- ISO VG 68 to 150 are also well suited to cold heading applications.

SPECIFICATIONS

- ISO 19378 GA & GB
- DIN 51524 part II
- AIST 224
- CINCINNATI MACHINE : P47-P50-P53

ADVANTAGES

- Excellent extreme-pressure properties
- Excellent anti-stick-slip properties.
- Strong stickiness grades (ISO VG 68 to 320).
- Very low coefficient of friction.
- Antioilmist properties.
- Very good foaming resistance.
- Very good oxidation resistance.
- Very good protection against rust.
- Very good anti-wear properties.
- Good filterability.

TYPICAL CHARACTERISTICS	METHODS	UNITS	DROTECH MS												
			2	5	10	15	22	32	46	68	100	150	220	320	460
Density at 15 °C	ASTM D4052	kg/m ³	824	818	841	843	864	870	880	885	886	890	900	900	905
Viscosity at 40°C	ASTM D445	mm ² /s	2	5	10	15	22	32	46	68	100	150	220	320	460
Viscosity index	ASTM D2270	-	-	-	85	100	100	104	104	103	100	99	99	98	95
Flash point Cleveland	ASTM D92	°C	82	150	160	190	210	210	230	240	250	260	260	260	260
Pour point	ASTM D97	°C	- 60	- 30	- 36	- 27	- 27	- 21	- 18	- 15	- 15	- 15	- 12	- 9	- 6
Aniline point	ISO 2977	°C	69	93	95	96	97	100	102	103	109	110	110	110	110

Above characteristics are mean values given as an information.