



# MAKER ZEUS SLIDEWAY

## Description

Lubricant oils specially formulated for lubricating machine-tool slideways, both horizontal and vertical. They are formulated from mineral oils obtained from highly refined paraffinic bases having a high viscosity index and latest-generation additives that give it its characteristic adherence, anti-wear, extreme pressure and anti-stick-slip properties, facilitating movements and displacements without jumps.

Specific oils for highly loaded machine-tool slideways.

Due to their special slipperiness and load support characteristics, they can be used in textile machinery elements, printing machinery elements or industrial machinery elements greased by drip feed lubrication in which it is easy to retain the oil.

ISO-32 and 68 grades are used as hydraulic fluids in those systems in which, in addition to the hydraulic circuit, it is also necessary to lubricate the slideways.

Adequate for high-precision machine-tools.

## Properties

- Excellent performance with sliding parts, even with high loads and low speeds.
- High resistance to oxidation.
- Great adherence to metal surfaces.
- Very good load capacity.

## Quality levels, approvals and recommendations

- LEFFER: Gasholder sealing oil\* (ISO 100, ISO 68)
  - DIN: 51524-HLP (ISO 32, ISO 68)
  - FIVES CINCINNATI: P-47 (ISO 68)
  - FIVES CINCINNATI: P-53 (ISO 32)
  - ISO: 6743/4 - HG (ISO 32, ISO 68)
  - DIN: 51517/3 - CLP (ISO 220)
  - ENGEL: Engel Injection Moulding Machines (ISO 68)
  - FIVES CINCINNATI: P-50 (ISO 220)
  - ISO: 6743/13-G (ISO 100, ISO 150, ISO 220, ISO 32, ISO 68)
- \*Formal approval



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## Technical specifications

	UNIT	METHOD	VALUE				
ISO Viscosity Grade			32	68	100	150	220
Density at 15 °C	g/cm3	ASTM D4052	0,8610	0,8820	0,8887	0,8930	0,8980
Viscosity at 100 °C	cSt	ASTM D445	5.6	8.8	11,3	15.0	19,0
Viscosity index	-	ASTM D2270	111	107	100	102	101
Flash point, open cup	°C	ASTM D92	210	220	230	230	230
Pour point	°C	ASTM D97	-12	-12	-9	-9	-9
Corrosion Cu, 3hrs 100 °C	-	ASTM D130	1b	1b	1b	1b	1b
Water separability at 54 °C (15 min)	mL	ASTM D1401	40/37/3	40/37/3	40/37/3	-	-
Stick-slip ratio	-		0,77	0,77	0,77	0,77	0,77
4 Ball machine, print diameter	mm	ASTM D4172	<0,45	<0,45	<0,45	<0,45	<0,45

The above mentioned characteristics are typical values and should not be considered product specifications.