



# LA 280 OPEN SLIDEWAY LUBRICANT

ISO 32, 68, 150, 220

## DESCRIPTION

LA 280 LAPSUS™ Series are premium-quality slide-way oils formulated to provide exceptional frictional properties to reduce friction and drag, stick slip and machine tool chatter on a wide variety of materials, including cast iron, steel-on-steel and steel-on-polymer.

## APPLICATIONS

LA 280 provides equipment protection of precision metal cutting lathe machinery through lubrication, adhesiveness, friction and smooth operation of slideways of industrial machines used in grinding, cutting and milling of planers, lathes and guideways. LA 280 LAPSUS™ Series offers machining accuracy for lubrication of linear guides, translating screws, ball screws and lathe headstocks.

- LA 280 LAPSUS Light are recommended for horizontal slideways on small to medium size machine tools. They are also suitable for circulating application in large machines and as a moderate duty hydraulic fluid.
- LA 280 LAPSUS Heavy are recommended for large machines where way pressures are high and good precision is required. They are also recommended for vertical and inclined slideways where drain-down can be a problem and for moderate service machine tool gear drive mechanisms.

## FEATURES & OPERATIONAL BENEFITS

FEATURES	ADVANTAGES AND OPERATIONAL BENEFITS
Multi-material Capabilities	Suitable for a wide range of way material combinations allowing for product consolidation
Water and Aqueous Coolant Separability	Reduces cross contamination whilst improving the life and performance of many aqueous coolants
Controlled Frictional Characteristics	Eliminates stick slip; allows consistently accurate machining
Adhesiveness	Maintains lubricant film on critical surfaces
Long Term Rust and Corrosion Protection	Reduces the deterioration of sliding surfaces in the presence of water and aqueous coolants

## SPECIFICATIONS AND PERFORMANCE REQUIREMENTS

	32	68	150	220
Fives Cincinnati P-47		✓		
Fives Cincinnati P-50				✓
Fives Cincinnati P-53	✓			
ISO L-GA (ISO 6743-13)		✓	✓	✓
ISO L-GB (ISO 6743-13)		✓	✓	✓
DIN 51502 CGLP	✓	✓	✓	✓
ISO 19378 GA, GB		✓	✓	✓
Muller Weingarten presses	✓	✓		

## PHYSICAL CHARACTERISTICS

LA 280 SLIDEWAY OIL				
ISO Viscosity Grade	32	68	150	220
Viscosity, ASTM D445				
cSt, @ 40°C	32	68	150	220
cSt @ 100°C	5.7	9.2	15.95	21.1
Viscosity Index, ASTM D2270	113	112	111	114
Density, @ 15°C	0.871	0.878	0.882	0.887
Appearance, Visual	Clear	Clear	Clear	Clear
Pour Point, °C, ASTM D5950	-37	-31	-25	-19
Flash Point, °C, ASTM D92	228	232	250	242
Demulsibility Test ASTM D 1401	Pass	Pass	Pass	Pass
Rust protection, ASTM D665A	Pass	Pass	Pass	Pass

**Health and Safety:** This product is not expected to cause health concerns when used for the intended application and according to the recommendations in the Material Safety Data Sheet (MSDS).