

## Product Information:

# ASTRA 32, 68, 100, 150, 220 Slideway Lubricants



### Description:

Astra Slideway Lubricants have been specifically developed for the lubrication of machine tool slideways and tables. They are formulated from high quality mineral oil, performance additives and incorporate a tackifier to ensure that the lubricant adheres to the moving parts at all times. The performance additives provide outstanding resistance to oxidation, corrosion and wear whilst eliminating stick slip and judder that sometimes occurs in mechanically and hydraulically operated machine tools.

Astra Slideway Lubricants have outstanding cutting fluid compatibility and exceptional film strength that will prevent pickup and scoring on bearing surfaces under the most severe conditions, including intermittent use. These grades continue to perform even under the continual washing action of water based cutting fluids.

### Features:

- Excellent oxidation and corrosion protection
- Excellent adhesion properties even under difficult conditions
- Eliminates stick slip and judder
- Complete separation from all types of coolants and emulsions
- Multifunctional performance – have hydraulic and gear oil performance

### Applications:

Astra Slideway Lubricants are recommended for slideways, tables, carriages, guides and all machining centre applications where a tacky extreme pressure lubricant is required. This range of oils may also be used for the lubrication of headstocks, cross feeds, saddles and gearboxes.

ASTRA 32 is highly recommended for certain machine tools with combined hydraulic and slideway lubrication systems.

### Physical Characteristics:

ISO VG Grade	32	68	100	150	220
Appearance	Pale Liquid	Amber Liquid	Amber Liquid	Amber Liquid	Amber Liquid
Density @ 15°C	0.870	0.880	0.888	0.895	0.898
Viscosity @ 40°C (cSt)	32.2	67.4	92.3	160.3	215.9
Viscosity @ 100°C (cSt)	5.6	9.0	10.9	15.8	18.9
Viscosity Index	110	108	104	100	95
Closed Flash Point (°C)	190	192	194	196	198
Lubricating Fluid type: DIN 51524 part II DIN 51517 part III ISO 19 378 (2003) Class L ISO 11158 Class L	HLP 32 CLP 32  HG	HLP 68 CLP 68 GA/GB HG	CLP 100 GA/GB	CLP 150 GA/GB	CLP 220 GA/GB
Fives specification (note - no longer supported by the OEM)	P-53	P-47			P-50

Figures based on average production values

Part. No.s: 32 ATT205, ATT025; 68 ASL205, ASL025; 100 SLT205, SLT025; 150 ASO025, ASO205; 220 SLI025, SLI205

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