

Respina Machine Tool K

Machine tool slideway oils



Description

Respina Machine Tool K oils are premium-quality slideway lubricants specifically designed to meet the requirements for precision machine tools. They are formulated from high-quality base stocks and an advanced additive system that provides exceptional frictional properties on a wide variety of way materials, including steel on steel and steel on polymer, reducing stick-slip and chatter. This allows smooth, uniform motion at design travel speeds enhancing machine productivity and accuracy helping to prolong tool life and enhance surface finish.

Specification and Approvals:

- DIN 51502 CGLP
- ISO 6743-13 GA and GB

Advantages & Benefits

- Controlled frictional characteristics to eliminate stick slip
- Prevents removal of lubricant from critical surfaces
- Long term rust and corrosion protection to reduce the deterioration of sliding surfaces in the presence of water and aqueous coolants

Typical Data

Property	K 32	K 68	K 150	K 220	Test method
Viscosity at 40 °C	32	68	150	220	ASTM D445
Viscosity at 100 °C	5.5	8.6	14.5	19	ASTM D445
Viscosity Index (VI)	98	98	98	98	ASTM D2270
Flash Point °C	+216	+225	+235	+240	ASTM D92
Pour Point °C	-30	-24	-6	-6	ASTM D97
Density kg/m ³	873	879	889	894	ASTM D4052

❖ Respina Machine Tool K oils are formulated and produced in RESPINA LUBRICANTS blending site and presented data is based on standard tests under laboratory conditions and is given as a guide only.