

INDUSTRIAL WAY LUBRICANTS

ISO Grades 32, 46, 68, 100, 220

Product Description

Industrial Way Lubricants are products formulated for lubricating the ways of various types of machine tools. They are blended from paraffin base stocks and have been compounded with additives to impart outstanding lubricity and extreme pressure properties. Way lubricants exhibit the high film strength that allows a build-up of a heavy oil film to reduce wear and contribute to accurate system component positioning. The lubricant contains a tackifier that prevents fluid from draining away from lubricated surfaces and minimizes fluid extraction between heavily loaded ways. The tackiness may also reduce lubricant wash out by emulsifiable cutting fluids.

Applications

Way lubricants are manufactured for the sliding ways of machine tool systems that include planers, grinders, horizontal boring machines, shapers, and various milling machines. Way lubricants ISO Grades 68 and 100 are recommended for most machine tools with horizontal slideways in light to moderate applications. The ISO 220 Grade is suggested for those severe applications requiring a high viscosity lubricant; particularly for machines with vertical slideways.

Typical Properties

Property	ISO 32	ISO 46	ISO 68	ISO 100	ISO 220
AGMA Number (Reference)	0	1	2	3	5
Texture	Stringy	Stringy	Stringy	Stringy	Stringy
Viscosity, cSt @ 40°C	32.5	45.5	67.6	101.8	220.9
Viscosity, cSt @ 100°C	5.3	6.6	8.5	11.2	18.8
Flash Point, COC, °F	385	390	395	410	455
Viscosity Index	95	95	95	95	95
Pour Point, °F	-10	-5	-5	0	5
Pour Point, °C	-23	-21	-21	-18	-15
Gravity, API @ 60°F	31	30	29	28	26

*The values shown are typical of current production. Some are controlled in the manufacturing process while others are not. All of them may vary within tolerable ranges.