

Samic Rota Way series

High Performance Way and Slide Oils

Product Data Sheet



Product Description

Samic Rota Way series are high performance machine tool slideway oils formulated with high quality base stocks and advanced additive technology, to meet the requirements for accuracy, aqueous coolant separability and equipment protection of precision machine tools. They are also specifically designed to demonstrate high resistance to oxidation & thermal degradation, resist sludge formation, excellent demulsibility and high level of protection against wear, rust and corrosion.

Performance & Customer Benefits

- Outstanding adhesiveness & controlled frictional properties, prevents removal of lubricant from critical surfaces while eliminating stick & slip by allowing consistently accurate machining.
- Excellent separability from various aqueous coolants reduces corrosive effects on lubricated surfaces.
- Excellent lubricity and load-carrying performance contributing significantly to improving the production of quality parts.
- Excellent protection from rust and corrosion of multi-metallurgy components on slideways.

Main Application

Samic Rota Way series are suitable products for the lubrication of machine tool slideway systems. They are designed for use with combinations of cast iron, steel and non-metallic way materials.

- Turbo Way 32 & 68 oils are suitable 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.
- Turbo Way 150 & 220 oils are normally suitable for large machines where way pressures are high and good precision is required. They are also suggested for vertical and inclined slideways where drain-down can be a problem.

Typical Physical Characteristics

Samic Rota Way series	Test Method	Units	32	68	150	220
ISO Viscosity Grade	ISO 3448	-	32	68	150	220
Density @ 15 °C	ASTM D 4052	gm/cc	0.870	0.880	0.894	0.898
Viscosity @ 40 °C	ASTM D 445	cSt	32.4	68.9	150.2	220.5
Viscosity @ 100 °C	ASTM D 445	cSt	5.38	8.72	14.56	18.75
Viscosity Index	ASTM D 2270	-	98	98	95	95
Pour Point	ASTM D 97	°C	-24	-24	-12	-12
Flash Point (COC)	ASTM D 92	°C	224	234	272	276
FZG Gear Test, Fail stage	DIN 51354	-	12	12	12	12
Copper Strip Corrosion	ASTM D 130	-	1B	1B	1B	1B
Rust Characteristics Proc B	ASTM D 665	-	Pass	Pass	Pass	Pass
Foam Seq I,II,III	ASTM D 892	ml/ml	10/0	10/0	10/0	10/0
Demulsibility, 40/40/0	ASTM D 1401	min	10	10	15	15

The above figures are typical of blends with normal production tolerance and do not constitute a specification.

For further information, please contact: sales@samiclubricants.com