

Way Lubricant X

Machine Tool Slideway Lubricant



Product description

Way Lubricant X is a high quality, machine tool slideway lubricant.

Customer benefits and product features

Customer benefits

Smooth, chatter-suppressing, accurate operation

Special friction modifier provides high lubricity to help reduce friction and drag which can cause stick-slip and machine tool chatter, adversely affecting surface finish on machined pieces. Tackiness additive provides a high strength, thick oil film that assists with accurate table positioning.

Helps protect metal surfaces

EP additive system produces a protective film under heavily loaded conditions to help reduce wear and scoring of slideways and guides.

Stays in place

Special tackiness agent helps prevent fluid from draining away from lubricated surfaces, particularly on vertical ways. Tackiness and high film strength help minimize squeeze-out of the lubricant on heavily loaded ways, and help prevent fluid wash out by emulsifiable cutting fluids.

Helps enhance coolant bath life

Excellent demulsibility and coolant separability properties enable rapid separation of the way oil from the coolant, helping to reduce the tendency of bacteria growth from oil contamination.

Combined hydraulic/slideway application

Way Lubricant X may be used as both a way lubricant and a machine tool hydraulic oil where an ISO 32 grade oil is required, which may assist with reducing lubricant inventory.

Product features

- **Way Lubricant X** is formulated from highly refined mineral oil, with EP, friction modifier and tackiness additives
- **Way Lubricant X** provides good demulsibility properties for coolant separation.

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Applications

Can include;

- Machine tool slideways and guides:
 - Combined slideway/machine tool hydraulic systems (ISO 32)
 - Horizontal slideways (ISO 68)
 - Light-to-moderate applications (ISO 68)
 - Vertical slideways (ISO 220)
 - More severe applications (ISO 220)
- Other industrial applications requiring an adhesive, corrosion inhibited lubricant with EP properties

Product approvals, performance and recommendations

Performance standards

Developed by Chevron to meet the requirements of the following standards:

- Cincinnati Machine Specification P-53 Combination Hydraulic and Way Oil (ISO 32)
- Cincinnati Machine Specification P-47 Heavy-Medium Way Oil (ISO 68)
- Cincinnati Machine Specification P-50 Heavy Way Oil (ISO 220)
- Cincinnati Machine Stick-Slip Procedure (ISO 32, 68 and 220)

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Typical test data

WAY LUBRICANT X KEY PROPERTIES	RESULTS		
ISO Grade	32	68	220
Product Code	540472	540473	540475
Flash Point, COC, °C	200	215	234
Pour Point, °C	-21	-21	-18
Viscosity,			
mm ² /s @ 40°C	32.5	68.0	210
mm ² /s @ 100°C	5.43	9.8	19.4
Viscosity Index	112	110	105

1201

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ENVIRONMENT, HEALTH and SAFETY. Information is available on this product in the Material Safety Data Sheet (MSDS) and Customer Safety Guide. Customers are encouraged to review this information, follow precautions and comply with laws and regulations concerning product use and disposal. To obtain a MSDS for this product, visit the [Product Information Center](#).

This Product Data Sheet (PDS) was produced for the Asia Pacific region based on the best available information at the time of issue. The specific information included may not directly reflect the market or conditions, and may vary. For the most up-to-date, country-specific information, please contact your local customer service center.