

## Stearocling

Way oils

### Description

**Stearocling Way Oils** are formulated for the sliding ways of machine tools. They are formulated with high viscosity index base stocks combined with special extreme pressure friction modifiers that yield extremely low values in Cincinnati Milacron's stick-slip test. As a result these oils are more stable to viscosity fluctuations and are able to overcome the slip-stick commonly associated with slow moving parts. **Stearocling Way Oils** also contain a package that eliminates the possibility of contamination through emulsification between the coolant and the way lube.

### Performance Benefits

- High viscosity index to assure even performance across a wide range of temperatures
- Effective toward the elimination of stick-slip and chatter on all ways - vertical and horizontal
- Reduced wear provided by boundary lubrication during shutdowns
- Certified to meet Cincinnati Milacron performance operating loads
- Non-dripping formula allows the oil to cling to vertical surfaces providing continuous lubrication and a clean work environment

### Recommended Applications

**Stearocling Way Oils** are designed to be used straight in many kinds of industrial applications. Select the viscosity recommended by the equipment manufacturer. If the viscosity is too heavy it will cause hydrodynamic films to form, which will result in poor size control. If the viscosity is too low it will cause increased wear and erratic performance.

**Stearocling Way Oils** are used on sliding machine ways including planers, grinders, shapers, milling and horizontal boring machines.

### Specifications and Approvals

Meets P47, P50 and P-53 specification for the stick slip test for Cincinnati Lamb.

## Characteristics

			Stearocling 150S	Stearocling 300S	Stearocling 600S	Stearocling 1000S
ISO Viscosity Grade	-	-	32	68	100	220
Viscosity @ 40°C	cSt	ASTM D44	32	68	100	220
Viscosity @ 100°C	cSt	ASTM D445	5.6	8.8	11.5	19.0
Viscosity Index	-	ASTM D2270	112	107	102	100
Flash Point, COC	°C/°F	ASTM D92	>176/>350	>176/>350	>176/>350	>176/>350
Pour Point	°C/°F	ASTM D97	-30/-22	-24/-11	-21/-6	-15/5
Copper corrosion	3 hr at 100°C	ASTM D130	1A	1A	1A	1A
Demulsibility	Min	ASTM D1401	15	10	10	10
Stick-Slip	-	-	Pass	Pass	Pass	Pass
FZG fail stage	-	ASTM D5182	13	13	13	13
Rust Test A&B	-	ASTM D665	Pass	Pass	Pass	Pass

Subject to usual manufacturing tolerances