

WAY OILS 1 / 2 / 3 / 4 / 7

GENERAL DESCRIPTION

Hangsterfer's slideway lubricating oils are formulated to provide excellent machine tool performance, while eliminating the problems of coolant degradation associated with tramp oil contamination.

The full range of Hangsterfer's Way Oils offer superior slideway adherence, stick-slip friction characteristics and complete water soluble coolant separation. By separating quickly and completely from your water soluble coolant, you will achieve the maximum in cutting performance and sump life. In addition, because they minimize water solubility, they are less likely to be prematurely wash off the ways.

The Way Oil series is formulated with high quality additives under strict quality control, resulting in products that meet or exceed international specifications established for slideway oils. The Way Oil series is available in 5 viscosities that meet the International Standards Organization (ISO) viscosity requirements for machine lubricants. All Hangsterfer's Way Oils meet or exceed the Cincinnati Machine P-47 specification.

PRODUCT CHARACTERISTICS					
Way Oil	1	2	3	4	7
Form	Liquid	Liquid	Liquid	Liquid	Liquid
Color	Amber	Amber	Amber	Amber	Amber
Odor	Mild	Mild	Mild	Mild	Mild
Specific Gravity	0.87	0.88	0.88	0.89	0.89
Viscosity: SUS @ 100°F	150	315	695	1020	2130
cSt @ 40°C	32	68	150	220	460
ISO Grade	32	68	150	220	460
Viscosity Index (VI):	>95	>95	>95	>95	>95
Flash Point, COC, °F/°C	410 / 210	420 / 215	440 / 226	440 / 226	570 / 298
Fire Point, COC, °F/°C	435 / 223	450 / 232	450 / 232	450 / 232	600 / 315
Pour Point, °F/°C	<0 / -18	<0 / -18	<0 / -18	<0 / -18	10 / -12
Solubility in Water	<0.01	<0.01	<0.01	<0.01	<0.01
Boiling Point, °F/°C	450 / 232	450 / 232	450 / 232	450 / 232	600 / 315
Vapor Pressure, mm Hg @ 25°	<0.1	<0.1	<0.1	<0.1	<0.1
pH @ 10%	N/A	N/A	N/A	N/A	N/A

SHIPPING UNITS

Way Oils 1, 2, 3, 4 & 7 are available in 1 gallon, 5 gallon, 55 gallon and Intermediate Bulk Containers (275 or 330 gallons). All products are distributed worldwide

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HANGSTERFER'S™
Metalworking Lubricants

