

PRODUCT INFORMATION



Powers-All Way Oil

DESCRIPTION: Powers-All Way Oils are specially formulated with premium base stocks and newly formulated light colored performance chemistry designed to offer greater extreme pressure protection to the equipment while offering improvements in water separability, rust and corrosion performance. **Powers-All Way Oil** eliminates stick-slip or table chatter by reducing friction between mating surfaces.

- BENEFITS:**
- Excellent water separation
 - Reduction of friction and wear
 - Exceptional rust, corrosion, and wear protection
 - Lighter color to provide good visibility of slideways

Applications: Powers-All Way Oils are recommended for slides and ways of planers, grinders, mills, lathes, screw machines, drilling machines, boring machines, and other tools and machines. The ISO VG 32*, 68 and 220 grades have been formulated to meet requirements of the Fives Group (formerly Cincinnati Machine) specifications covering machine tool way lubricants. **Note:** P-53* is a Combination Hydraulic and Way Oil Specification.

Powers-All Way Oils

ISO Viscosity Grade		32	68	150	220
Product Code	Test Method	PA336490	PA336491	PA336492	PA336493
Viscosity, cSt @ 40°C	ASTM D-445	32.0	68.0	150	219.0
Viscosity, cSt @ 100°C	ASTM D-445	5.3	8.7	15.0	19.5
Viscosity Index	ASTM D-2270	100	100	100	100
Pour Point, °F	ASTM D-97	-20	-20	-10	5
Flash Point, COC, °F	ASTM D-92	420	450	460	500
Copper Corrosion	ASTM D-130	1b	1b	1b	1b
Demulsibility	ASTM D-1401	40/40/0 (10) 54°C	40/40/0 (10) 54°C	40/40/0 (15) 82°C	40/40/0 (15) 82°C
Rust Test, A & B	ASTM D-665	Pass	Pass	Pass	Pass
Fives Group Specification		P-53*	P-47	--	P-50

**Note: Values shown are typical only and do not constitute a specification. Minor variations in product are to be expected in normal manufacturing.*



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