



SUPER GRADE

PREMIUM WAY SLIDE LUBRICANTS

CHAMPION SUPER GRADE PREMIUM WAY SLIDE LUBRICANTS lubricate machine tool ways, slides and guides. Available in two viscosity grades, they are made by blending high quality base oils with friction-modifying additives and other chemical agents to give them greater load carrying qualities, better anti-wear characteristics and increased adhesiveness. Approved CM P-47, P-50 and P-53 specifications issued by the Cincinnati Machine.

4239 - CHAMPION SUPER GRADE PREMIUM WAY SLIDE 68 LUBRICANT is recommended for machine tools equipped with central oil systems which lubricate both the slide ways and the hydraulic mechanisms

4241 - CHAMPION SUPER GRADE PREMIUM WAY SLIDE 150 & 220 LUBRICANT is recommended for use in both the bearings and the ways of machines such as punch presses, which are subject to extreme pressure shock loads and where it is desired that the oil should cling to the way surfaces and resist throw-off under impact. It also makes an excellent sawguide and chain lubricant.

Performance Benefits

- **Low Stick-Slip Values for Smooth Way Operation** - Very low stick-slip values provide excellent frictional characteristics for smooth way operation and accurate work, even at slow speeds under heavy loads. Increases quality of work and maximizes cost efficiency.
- **Good Anti-Wear Properties for Greater Protection of the Ways and Guides** - Special additives impart good load carrying and anti-wear properties to prevent the scoring and wear of the equipment.
- **Good Non-Drip Characteristics** - The non-drip nature of the oil film is required for the lubrication of vertical ways, overhead machinery, conveyors, chains, etc. Reduced run-off, dripping and leakage helps to cut down oil loss and lessens the frequency of application.

TYPICAL SPECIFICATION

ISO Grade	WAY SLIDE LUBRICANTS		
	68	150	220
Product Code	4239	4238	4241
MSDS #	900	900	900
Gravity API @ 60° F	29	27.5	22.9
cSt @ 40°C	68	150	220
cSt @ 100°C	8.9	13.4	16
Viscosity Index	100	80	66
Pour Point °F	-20	-20	-10
Flash Point °F	400	415	430
Ratio of Static to Kinetic Friction	.75	.75	0.74
Appearance	Brown & Tacky	Brown & Tacky	Brown & Tacky

Effective 04/13