

Balmerol® Protoway Series

Slideway Lubricant

Technical Data Sheet

Product Description:

Balmerol Protoway Series of oils are especially developed for slideway lubrication of planers, grinders, horizontal boring machines, shapers etc. where high precision work is involved. Balmerol Protoway Series of oils are fortified with EP/ antirust/ tackiness additives to enable high load bearing capability, minimum stick slip & chatter and also provide good surface finish to the job. It meets the requirements of Cincinnati Milacron Specification P-47 and P-50 and ASLE standard W315 & W 1000.

Features & Benefits:

Optimum frictional characteristics	Minimum Stick-slip and good surface finish
Good rust & corrosion protection	Better protection of sliding surface against rust in presence of aqueous cutting fluids
Better coolant seperability	Better equipment protection against various types of cutting fluids

Applications / Recommendations:

Balmerol Protoway Series of oils are recommended for lubrication of machine tool slideway systems.

Technical Specification:

Balmerol Protoway Series				
Properties	Protoway 32	Protoway 68	Protoway 100	Protoway 220
Viscosity, ASTM D 445 cst @ 40°C	28 - 32	64 - 72	95 - 105	210 - 230
Viscosity Index, minimum, ASTM D 2270	90	90	90	90
Pour Point, °C, maximum, ASTM D 97	-3	-3	-3	-3
Flash Point, °C, minimum, ASTM D 92	160	170	180	190
Copper Strip Corrosion, ASTM D 130, 3 hrs @ 100°C, ASTM D 4048	Pass	Pass	Pass	Pass
Neutralization No. mg KOH/gm, ASTM D 974	0.5 - 0.7	0.5 - 0.7	0.5 - 0.7	0.5 - 0.7

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Health and Safety:

Balmerol Protoway Series of oils are not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. For MSDS please contact your local Balmer Lawrie Marketing / Technical Service team.

For Further Information, contact:

Balmer Lawrie & Co. Ltd.

SBU: Greases & Lubricants (G&L) Division

P- 43, Hide Road Extension

Kolkata: 700088

www.balmerlawrie.com