

# 633

**SXCM**

## APPLICATION AREAS

- All types of anti-friction bearings, roller bearings and ball bearings
  - Grease Lubricated Chains
  - Gears and Cams
- Feeders, Mixers, Agitators
  - Guides/Slides
  - Valves



## PRODUCT DATA SHEET

### KEY FEATURES AND BENEFITS

- Virtually impervious to water and steam
- Water and corrosion resistant
- Compatible with most elastomers and seals
- Outstanding extreme pressure resistance
- Synthetic base fluid

### PACKAGING

- 400g
- 18kg
- 55kg

### DIRECTIONS

Apply with a grease gun, or brush on for local applications. Before using, wipe grease fittings to remove contamination. Keep grease container closed when not in use. Reapply at regular intervals.

### DESCRIPTION

Chesterton® 633 Synthetic Extreme Pressure & Corrosion Resistant Grease with Moly is the one grease to use for the most demanding lubricating needs. It is a multi-purpose workhorse with outstanding extreme pressure and anti-wear capabilities, unsurpassed shear stability, temperature and corrosion resistance. As a premium quality, water resistant grease, 633 will not be removed even in severe water washout situations. Chesterton 633 can be used in steam and direct water contact services. With a dropping point of 288°C (550°F), it will not melt and run out even at high speeds or under heavy loads as found in Mining, Metal Processing, Steel, Aluminum or Copper Manufacturing Industry. 633 SXCM is unsurpassed in its ability to extend bearing life, reduce equipment repairs and improve operational efficiency of grease lubricated equipment. It is especially advantageous where there is exposure to high humidity, corrosive vapors and shock loading or vibration as found in pulp and paper mills, mining operations, power generating plants, steel mills and metal forming operations.

### TYPICAL PHYSICAL PROPERTIES

Appearance	Bright silver gray
Consistency, NLGI	1
Texture	Smooth, tacky
Thickener	Proprietary, patent protected, sulfonate complex
Specific Gravity @ 25°C (77°F)	0.95-1.05
Dropping Point (ASTM D 2265, DIN 51 801/1)	288°C (550°F)
Penetration (ASTM D 217, DIN ISO 2137)	310-340
Oil Base	PAO synthetic
Timken OK Load (ASTM D 2509)	29.5 kg (65 lbs)
Four Ball Wear Test (ASTM D 2266, DIN 51 350/5) Scar Diameter 40kg, 1200 rpm, 75°C, 1hr	0,38 mm
Four Ball Wear Test (ASTM D 2596, DIN 51 350/4) Weld Load, Kg (N) Load Wear Index	800 kg (7845 lbs) 140
Operating Temperature (above 180°C, increased lubrication frequency is required)	-50°C (-58°F) to 250°C (482°F)
Water Washout (ASTM D 1264) @ 80°C	<2.0%

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Shear Stability (ASTM D 217), % Change	
10,000 strokes	-1.0%
100,000 strokes	-4.5%
Oil Separation (ASTM D 1742), % loss	0%
Wheel Bearing Life (ASTM D 3527)	200
Corrosion Resistance (ASTM B 117), 5% Nacl	>1000 hrs @ 50 micron film thickness
Lubricating Additives	non-heavy metal, extreme pressure and antiwear, anti-fretting additives, surface reactive anti rust and corrosion additives, oxidation inhibitors
Lubricating Solids	Molybdenum disulfide 5%
Bomb Oxidation (ASTM D 942) psi drop, 1000hrs	3.0
Copper Corrosion (ASTM D 4048, DIN 51 811)	0/1B
ISO/DIN Classification	ISO-L-XE E I B1/DIN 51 502-K FLP 1 HC P1-50
Base Oil Viscosity (ASTM 445)	
@ 40°C	35 cSt
@ 100°C	6.5 cSt
Viscosity Index, VI	141

Before using this product, please refer to Safety Data Sheet (SDS).