



# Super S® "000" Lithium Grease

**Super S® "000" Lithium Grease** is a economic light duty, "000" grease manufactured using selected highly refined medium viscosity index base oils, a lithium 12-hydroxystearate thickener, an extreme pressure additive, and rust and oxidation inhibitors. "000" is a semi-fluid grease formulated to meet the lubrication requirements of mining machinery equipment manufacturers such as **Ingersoll-Rand, Schaeffler, Worthington, Caterpillar, Volvo, Joy, Parts HQ,** and many others.

**Super S® "000" Lithium Grease** is especially suitable for use in centralized lubrication systems such as those found on trucks, off-road vehicles used in agriculture and civil engineering, and industrial construction equipment. It is also heavily used to lubricate enclosed gears and bearings in poorly sealed gear cases and many other industrial applications where conventional gear oils cannot be retained due to worn or missing seals.

Due to its special formulation and semi-fluid consistency, **Super S® "000" Lithium Grease** exhibits excellent flow even at very low temperatures and in long pipelines. The oil film adheres well and does not run off, even during stoppages. There is rapid on-flow to the greasing points. The good protection against rust also covers the use of 'spreading' salt and the related danger of rust on the lubrication points of the chassis.

## APPLICATIONS

- Calling for 000 grease
- Where light to moderate EP required
- Where lubricant retention is a problem
- Mining and construction equipment
- Air-operated rock drills and other anti-misting equipment
- Centralized lubrication systems
- Enclosed gear boxes and bearings

## SPECIAL HANDLING, NOTICES OR WARNINGS

Use the same care and handling as for any petroleum product.

## FEATURES/ BENEFITS

- **Reduced wear** under moderate shock loading and vibration. Good anti-wear performance
- **Good water resistance** enhances equipment protection resisting rust and corrosion formation
- **Moderate EP** allows for use as replacement gear oil in non-critical applications
- **Excellent adhesion to metal** - forms a durable lubrication film, resulting in prolonged lifetime of the lubricated parts
- **Sheer Stable** to effectively maintain consistency
- **Economical** lubrication alternative in older equipment in which the loss of fluid occurs rapidly
- **Controlled oil release** balances lubrication properties for longer service life
- **Good pumpability** in centralized systems at low temperatures
- **Resists leakage** when used in equipment with worn or missing seals
- **Excellent temperature range** operating temperature range is -25°C to 130°C
- **Good compatibility** miscible with most other thickeners/soaps

## RECOMMENDATIONS/SPECIFICATIONS

- MAN 283 Li-P 0-000
- Willie Vogel AG, Berlin (to -25°C )
- DR.EM.203 mod
- ISO 6743-9 : L-XCBEB 000
- DIN 51502 : GP000G-30
- STD 1277.76

**TYPICAL CHARACTERISTICS**

<b>Super S® "000" Lithium Grease</b>		
<i>Properties</i>	<i>Test Method ASTM D-</i>	<i>Data</i>
Appearance	Visual	Red
Consistency	Visual	Smooth
Soap Type		Lithium
NLGI Grade		000
NLGI Classification		NA
Worked Penetration	217	465
Drop Point (°C/°F)	2265	175/347
Oil Separation	1742	4
Base Oil Viscosity	445	
cSt @ 40 °C		152
cSt @ 100 °C		11.9
Viscosity Index	2270	51
Timken OK Load lbs	2509	40
Rust Test	1743	Pass

Typical test data are average values only.  
 Minor variations which do not affect product performance are to be expected during normal manufacturing

**PRODUCT NUMBERS**

SUS 120 35# Pail