

# Product Data Sheet

## Servogem EP 000 / 00 / 0 / 1 / 2 / 3

EP Grease for plain and anti-friction bearings



### Description

Servogem EP greases are premium quality Lithium soap base products containing an extreme pressure additive. These grades are specially formulated to meet the demand of an EP grease for boundary lubrication conditions to prevent excessive wear, localized welding or seizure often associated with such severe operating conditions. Servogem EP greases possess excellent shear stability, high load carrying capacity, high oxidation stability and capability to provide protection against rust and corrosion.

### Performance, Features and Benefits

- Possess excellent dispensing properties at low and high temperature, ensuring trouble free lubrication with centralized lubrication system
- Protect machine elements from excessive wear
- Prevent welding and seizure of the moving parts often caused by shock loading
- Protect bearing elements against rust and corrosion
- Resist water wash out thus assuring adequate lubrication over extended service intervals

### Application

Servogem EP greases are recommended for the lubrication of both plain and anti-friction bearings in a wide variety of application such as automotive and earth moving equipment, gear couplings, electric motors, mining equipment and general industrial machinery.

### Approvals / Performance Standards / Recommendations

Servogem EP 0, EP 1 & EP 2 & EP 3 meets IS:7623-1993(EP Type).

Servogem EP 2 also meets IPSS:1-09-005.

Servogem EP greases are approved by the leading machinery manufacturers, such as:

- ACC-Vickers-Babcock Ltd., Durgapur
- BHEL, Hardwar/ Hyderabad
- Bharat Pumps & Compressors Ltd., Naini
- Heavy Engineering Corporation Ltd., Ranchi
- Hindustan Motors Ltd. (Earth Moving Equipment Division), Trivellore
- MECON, Ranchi
- BEML, Mysore,
- MEYA Transmissions, Pune

## Typical Physical Characteristics

Parameter	Method	NLGI Grade					
		000	00	0	1	2	3
Appearance	Visual						
Colour		Brown	Brown	Brown	Brown	Brown	Brown
Structure		Smooth	Smooth	Smooth	Smooth	Smooth	Smooth
Thickener Type		Lithium	Lithium	Lithium	Lithium	Lithium	Lithium
Worked Penetration	ASTM D217	460	415	370	320	280	240
Drop Point, °C	ASTM D566	-	190	190	190	190	190
Water Washout, %wt	ASTM D1264	-	-	-	8.0	5.0	3.0
Base Oil Kinematic viscosity @ 40°C, cSt	ASTM D445	150	150	150	150	150	150
Base Oil type		Mineral	Mineral	Mineral	Mineral	Mineral	Mineral
Timken OK Load, kg	ASTM D2509	20	20	20	20	20	20
4-Ball Wear, Scar, mm	ASTM D2266	0.55	0.55	0.55	0.55	0.55	0.55
4-Ball Weld Load, Kg	IP-239	250	250	250	250	250	250
EMCOR Rust Test, Rating	IP-220	-	-	-	0, 0	0, 0	0, 0

### Health, Safety & Environment

Based on available information, this product is 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. MSDS's are available upon request through your sales contract office, or at <https://cx.indianoil.in/>. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

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