



# GP 303

## WHITE HEAVY DUTY GREASE

microGLEIT GP 303 is a white high performance grease, based on a special lithium soap, mineral oil and a combination of synergistic, microWHITE solid lubricants.

### Product Features

The concentration and particle size of the solid lubricants is adjusted so that microGLEIT GP 303 can be used like a normal heavy duty grease. However, the special properties of the micro-WHITE solid lubricants concerning load carrying capacity, wear prevention and protection against vibrational wear, survive.

- Light coloured and thus clean in application and use
- Very high load carrying capacity
- Constant, low friction values
- High level of protection against fretting corrosion
- High pressure resistance, even with shock loads
- Good corrosion protection and high water resistance
- High ageing resistance – Long service life
- Also suitable for use with non-ferrous metals
- No hazard labelling required

### Applications - Examples

- microGLEIT GP 303 is always recommended when standard greases are not meeting the requirements. That's especially true for oscillating loads, for shock loads, at risk of vibrational wear or simply for long lubrication intervals.
- Typical Applications:
  - Rolling bearings, all types
  - Sliding bearings, (also for non-ferrous metal bearings)
  - Linear guides, slideways, guideways
  - Small gears (gear drives for blinds or antenna)
  - Spindel drives (actuators, hoisting equipments)
  - Keyed connections
  - Joints (all types)
  - Tow couplings, king pins
  - ....

### Instructions For Use

- microGLEIT GP 303 can be applied by means of grease guns, automatic dosing equipment (suited for pasty products with solids content) and also manually by spatula, lint-free cloth, brushes or the like.
- Clean surfaces before application
- Do not mix with lubricants of different oil base or check compatibility upfront application!
- When using on faster-running roller bearings, do not fully grease the free space in the bearing.
- Before using the product in serial/practical applications, customers tests to ensure that the product is meeting all requirements for the intended end use have to be performed.

## Typical Properties – microGLEIT GP 303

TEST/FEATURE	STANDARD/ PARAMETER	UNIT	GP 303
Colour		—	cream
Base Oil		—	mineral oil
Viscosity @ 40 °C / 104 °F	DIN 51805	mm <sup>2</sup> /s	180
Thickener		—	Lithium-Soap
Drop Point	DIN ISO 2176	°C	>170
Solids-Content	—	Weight-%	<5
Service Temperature		° C/°F	-25 to 120/ -13 to 248
Density	DIN 51757	g/cm <sup>3</sup>	0,9
NLGI Class	DIN 51818	—	2
EMCOR	DIN 51802	—	0/1
Water Resistance	DIN 51807	—	1 - 90
Minimum Shelf Life		months	36
Available Packaging		400 g 1 kg 5 kg/25 kg/50 kg 180 kg	cartridge –20 per box can – 6 per box Plastic Pail Steel-Drum - Open Head
Hazard Notes			—