

LGMT 3



General Purpose Industrial and Automotive Bearing Grease

BW bearings LGMT 3 is a premium-quality lithium based grease designed for lubricating all types of bearings, and is suitable for a wide range of automotive and industrial applications requiring softer grease. Lithium based greases are favoured in many applications due to their good water resistance and mechanical stability.

ADVANTAGES

- Good resistance to water wash-out, providing adequate lubrication in adverse conditions.
- Extended bearing life in service due to the excellent anti-oxidant and anti-corrosion additives used to prevent rust and corrosion.
- Reduced grease inventory due to the versatile application of Lithium based grease.
- Added protection and lubrication due to great affinity for metal surfaces, preventing channeling tendency.



TYPICAL APPLICATIONS



- Bearings shaft size > 100 mm
- Vertical shaft applications
- Drive shafts
- Pumps, compressors, grinding mills, electric motors
- General mechanical devices
- Wheel bearings & heavy trucks Hub Unit
- Agricultural equipment



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Designation	LGMT 3	Test Method	Ratings
NLGI Grade		ASTM D 217	3
Colour	Smooth		Brown / Amber
Base oil type		API Group II	Mineral
Thickener / Soap type			Lithium
Operating temperature range			-30°C to 130°C
Dropping point		ASTM D 566	> 195°C
Base oil viscosity			
at 40°C	cSt	ASTM D 445	140-160
at 100°C			14-16
Penetration			
at 25°C (w/60)	10 ⁻¹ mm	ASTM D 217	220-250
at 25°C (w/100,000)			280 max
Mechanical stability			
Rolling stability (50 hrs at 80°C)	10 ⁻¹ mm	ASTM D 1831	330 max
V2F			M
Corrosion protection prevention (EMCOR rust test)	Standard in D/W	ASTM D 6138	0-0
Oxydation stability	100 hrs (kg/cm ²)	ASTM D 942	0.5 max
Water washout (resistance)			
at 38°C	1 hr % wt loss	ASTM D 1264	1 max
at 79°C			5 max
Oil separation (shelf life*)	7 days at 40°C, Static %	DIN 51 817 / IP 121	3 max
Lubrication ability (wear indication)	Running test B at 120°C	R2F	Pass
Copper corrosion at 110°C		ASTM D 4808	1 b Pass

* Rolman World offer a 3 year shelf life from date of production

Available sizes	200 g Pouch	400 g Cartridge	500 g tin	1 kg tin	5 kg tin	18 kg tin
LGMT 3 General Purpose	•	•	•	•	•	•
LGEP 2 High Load, Extreme Pressure	-	•	-	•	•	•
LCAG 3 Special High & Low Temperature	-	•	•	•	•	•
LGHP 2 High Performance, High Temperature	-	-	-	•	•	•



P.O.BOX: 261069 , Jebel Ali – Dubai, UAE
 Tel : (+971) 4 8873700 – Fax: (+971) 4 8873701
 sales@rolman.com – www.rolman.com

