

THE GREASOMATIC® SELF CONTAINED AUTOMATIC LUBRICATOR

STANDARD GREASE FILLINGS

Grease L

Multi-purpose grease.

A high quality, multi-purpose, lithium-base grease with an excellent performance under extreme pressure and having a very long working life at high speeds and at high or low temperatures. It has good adhesive properties and is shear resistant, wear resistant and water resistant. It is suitable for indoor or outdoor use on all types of bearings.

Label marking:	Grease L
Basis:	Mineral oil : lithium-calcium soap.
Colour:	Light brown.
Consistency:	NLGI 2.
Temperature range:	-30° to +120°C / -22° to +248°F .
Drop point:	+145°C (DIN ISO 2176).
Worked penetration:	265 - 295 (IP 50).
Base oil viscosity:	100 - 130 cSt at +40°C (DIN 41562).
Water resistance:	Fully resistant at +90°C (DIN 51807).
Timken OK load:	35 lbs minimum.
dN factor:	450.000
Compatibility:	Miscible with other lithium, calcium or lithium/calcium base greases.

Grease F

For use with foodstuffs and pharmaceuticals.

A white, food-safe grease that is specially formulated for use as a general machinery lubricant and tap seal in elevated temperature conditions where incidental contact with food, drinks or pharmaceutical is possible. Highly resistant to water washout. Corrosion inhibiting. All ingredients are FDA listed and meet the requirements of the former **USDA H1** regulations.

Label marking:	Grease F
Basis:	Polyalphaolefin oil : aluminium complex thickener : PTFE solid lubricant.
Colour:	White.
Consistency:	NLGI 1.
Temperature range:	-50° to +165°C / -58° to +329°F.
Drop point:	<230°C (IP 132).
Water washout:	<2.5% max at +38°C (ASTM D1264).
Shell 4 ball weld load:	400 kg (IP 239).
dN factor:	400,000.
Dynamic corrosion resistance:	0:0 (EMCOR) (IP 220).
Copper corrosion:	Negative (IP 112).
Compatibility:	Mixing with other greases not recommended.

Grease G

Open gear grease.

A soft, smooth and extremely adhesive grease for lubrication of open gears. It has excellent water displacing properties and is particularly suitable for gears operating in wet or humid conditions.

Label marking:	Grease G.
Basis:	Solvent refined mineral oil : aluminium soap.
Colour:	Black.
Consistency:	NLGI 0/1.
Temperature range:	-30° to +70°C / -22° to +158°F.
Worked penetration:	320 - 350 (IP 50).
Water spray resistance:	<0.5% loss (ASTM D404).
Compatibility:	Mixing with other greases not recommended .

Grease H

For very high temperatures.

A specially formulated grease for maximum lubrication at very high temperatures.

Label marking:	Grease H.
Basis:	Mineral oil/synthetic oil mixture : inorganic gel.
Colour:	Green-brown.
Consistency:	NLGI 1.
Temperature range:	-10° to +210°C / +14° to +410°F.
Worked penetration:	310 - 340 (IP 50).
Base oil viscosity:	1500 - 2000 cSt at +40°C (DIN 41562).
Water resistance:	Fully resistant at +90°C (DIN 51807).
dN factor:	250,000
Compatibility:	Mixing with other greases not recommended without prior consultation.

STANDARD GREASE FILLINGS (continued)

Grease M

For extreme pressure conditions.

A high quality, multi-purpose grease with similar properties to GREASE L but fortified with microfine molybdenum disulphide for maximum performance under extreme pressure.

Label marking:	Grease M
Basis:	Mineral oil : lithium-calcium soap : 2% MoS ₂ .
Colour:	Grey-black
Consistency:	NLGI 2.
Temperature range:	-30° to +120°C / -22° to +248°F.
Drop point:	+145° C (ISO 2176).
Worked penetration:	265-295 (IP 50).
Base oil viscosity:	100 - 130 cSt at +40°C (DIN 41562).
Water resistance:	Fully resistant at +90°C (DIN 51807).
Timken OK load:	45 lbs minimum.
dN factor:	450,000
Compatibility:	Miscible with other lithium, calcium or lithium-calcium base greases.

Grease C

For chaintdrives and slideways operating in arduous conditions in which Oil SC would be unsuitable.

A semi-fluid grease incorporating extreme pressure additives and anti-oxidants to provide effective lubrication with good corrosion resistance. It provides a water repellent protective film.

Label marking:	Grease C.
Basis:	Mineral hydrocarbons : lithium soap : 2% MoS ₂ .
Colour:	Dark green.
Consistency:	NLGI 00/000.
Temperature range:	-10° to +100°C / +14° to +212°F.
Worked penetration:	420-450 (IP 50).
Base oil viscosity:	900 cSt at +40°C (DIN 41562).
Compatibility:	Mixing with other greases not recommended.

Grease W

Waterproof grease.

A high performance, strongly adhesive, extremely waterproof grease, containing extreme pressure and anti-wear additives, corrosion inhibitors and anti-oxidants. Specially developed for use in water and sewage treatment plants, marine and off-shore applications and other hostile water environments.

Label marking:	Grease W
Basis:	Blend of highly refined mineral hydrocarbons & synthetic polymers : lithium soap.
Colour:	Pale green.
Consistency:	NLGI 2.
Temperature range:	-20° to +130°C / -4° to +266°F.
Drop point:	+180° C (ISO 2176).
Worked penetration:	265-295 (IP 50).
Base oil viscosity:	1000 cSt at +40°C (DIN 41562).
Water resistance:	Fully resistant at +90°C (DIN 51807).
Water washout test:	1% max.
Rust test:	No.1 rating.
Timken OK load:	55 lbs.
Speed rating:	2500 rpm max.
dN factor:	250,000
Compatibility:	Miscible with other lithium base greases.

Grease Long Life 2

A soft, premium quality grease designed to provide extended re-lubrication intervals in a wide range of arduous and non-arduous working conditions. Suitable for use in all types of bearings and sliding surfaces.

Label marking:	Grease Long Life 2.
Basis:	Mineral oil : lithium-calcium multi complex soap.
Colour:	Red.
Consistency:	NLGI 2.
Temperature range:	-30° to +150°C / -22° to +302°F.
Dropping point:	>230°C (ASTM D2265).
Shell 4 ball weld load:	>800 kg (IP 239).
Mean Hertz load:	125 kg.
Timken OK load:	25 kg (IP236).
dN factor:	400,000
Compatibility:	Miscible with other lithium, calcium or lithium/calcium base greases.

Other grease fillings

GREASOMATICS can be filled with almost any type of lubricant. However many widely used greases are prone to oil-soap separation when subjected to sustained light pressure in a GREASOMATIC. This can lead to a serious curtailment of the GREASOMATIC's working life. It is therefore essential to use only greases or gels that have been tested and approved for use in GREASOMATICS (such as the standard grease fillings above) if the discharge rates and working lives quoted in the GREASOMATIC'96 Technical Information sheet are to be realised in practice.

The information provided has been carefully compiled in good faith, on the basis of experience with standard production materials produced under rigorous quality control. However, the performance figures are provided for guidance only and are not intended to constitute a guaranteed specification.