

# The Lofrix® Grease Range

The greases in the Lofrix® range all create an environment that is tolerant to shock loads and sustained extreme contact pressure. The ultra-low coefficient of friction helps to reduce thermal loading and cuts the restrictions to movement, providing tenacious protection for the most arduous applications.

The Lofrix® grease range is designed to operate in particularly challenging conditions and includes:

- Waterproof Grease
- Extreme Pressure Grease
- High Temperature Grease
- Synthetic High Temperature Grease
- Synthetic Low Temperature Grease

## Benefits

- Improves productivity
- Increases plant life
- Lowers energy consumption
- Lowers operating temperature
- Reduces vibration
- Reduces noise levels
- Reduces corrosion
- Reduces maintenance costs

## Lofrix® Waterproof Grease

This semi-synthetic grease is designed specifically for slow to medium speed plain and anti-friction bearings in marine and other hostile conditions.

## Lofrix® Extreme Pressure Grease

This grease is designed to withstand extreme pressures over extended periods without leaving the dry residues associated with conventional types of thickeners used in extreme pressure greases.

## Lofrix® High Temperature Grease

Designed for use in applications where a higher tolerance to temperature is required, this grease is effective at temperatures up to 160°C.

## Lofrix® Synthetic High Temperature Grease

With an operating range of -50°C to + 220°C this grease provides excellent lubrication at sub-zero and ambient temperatures, making this lubricant extremely versatile in its applications.

## Lofrix® Synthetic Low Temperature Grease

This grease will provide long term lubrication at temperatures down to -60°C without the difficulties of excessive drag usually associated with most lubricants operating at such low temperatures.



# The Lofrix® Grease Range - Physical Characteristics

Lofrix® Waterproof Grease	
Appearance	Smooth adhesive grease
Colour	Green
NLGI classification	2
Thickener	Lithium soap
Base oil	Semi-synthetic
Base oil viscosity @ 40°C (IP71) cSt	1000
Worked penetration (IP50)	265 to 295
Dropping point (IP132) °C	185 min.
Oil separation (IP121) %	5 max.
Copper corrosion (IP112)	Pass
Resistance to corrosion Emcor (IP 220)	0:0
Water washout (ASTM D1264) @ 39°C %	2.5
Four Ball Weld Load (IP 239) kgs	260
Timken OK load (IP 326) kgs (lbs)	20 (45)
Operating temperature range	-7°C to +140°C

Lofrix® High Temperature Grease	
Appearance	Smooth grease
Colour	Brown
NLGI Classification	2
Thickener	Bentone
Base oil	Solvent refined mineral oil
Base oil viscosity @ 40°C (IP71) cSt	110
Oil separation (IP121) %	2
Oxidation stability 100 hours @ 99°C pressure drop psi	3
Worked Penetration (IP50)	265 to 295
Dropping point (IP132) °C	>260
Copper corrosion (IP112)	Pass
Water Washout (ASTM D1264) @ 38°C %	5
Operating temperature range	-20°C to +160°C

Lofrix® Extreme Pressure Grease	
Appearance	Smooth grease
Colour	Dark brown
NLGI classification	2
Thickener	Lithium soap
Base oil	Blend of solvent refined mineral oil
Base oil viscosity @ 40°C (IP71) cSt	180
Worked penetration (IP50)	265 to 295
Dropping point (IP132) °C	185 min.
Oil separation (IP121) %	5 max.
Copper corrosion (IP112)	Pass
Resistance to corrosion Emcor (IP 220)	0:0
Water washout (ASTM D1264) @ 39°C %	3
Four Ball Weld Load (IP 239) kgs	315
Timken OK load (IP 326) lbs	50
Oxidation stability @ 100°C (IP142)	
Pressure drop after 100 hrs psi	4
400 hrs psi	14
Operating temperature range	-20°C to +140°C

Lofrix® Synthetic Low Temperature Grease	
Appearance	Brown soft grease
NLGI Classification	2
Thickener	Lithium complex
Base fluid	Blend of synthetic oils
Base fluid viscosity	
@ 100 oC	4 cSt
@ 40 oC	11 cSt
Water washout (IP 215)	2% max.
Dynamic corrosion resistance (IP 220)	0:0
Copper corrosion (IP 112)	1a
Shell Four Ball (IP 239) Weld load kgs	200
Operating temperature range	-60°C to +130°C

Lofrix® Synthetic High Temperature Grease	
Appearance	Smooth brown grease
Thickener	Lithium complex
NLGI classification	2
Base oil	A Blend Synthetic Oils
Solid lubricant	PTFE
Dropping point (ASTM D2265)	>250°C
Dynamic corrosion resistance (EMCOR) (IP 220)	0:0
Shell 4 Ball (IP 239) (ASTM D2596)	
Weld Load kgs	355
Load Wear Index kgs	68
Corrosion (ASTM D130)	1b
dN factor	750,000
Operating temperature range	-50°C to +220°C

Reducing the carbon footprint of industry

