

# Manufacturing special lubricants for all industries

## Innovative Thinking Engineered Products

**R3**  
**LUBRICATION**

Multi-purpose lubricants

Open gear lubricants

Wire rope and power line lubricants

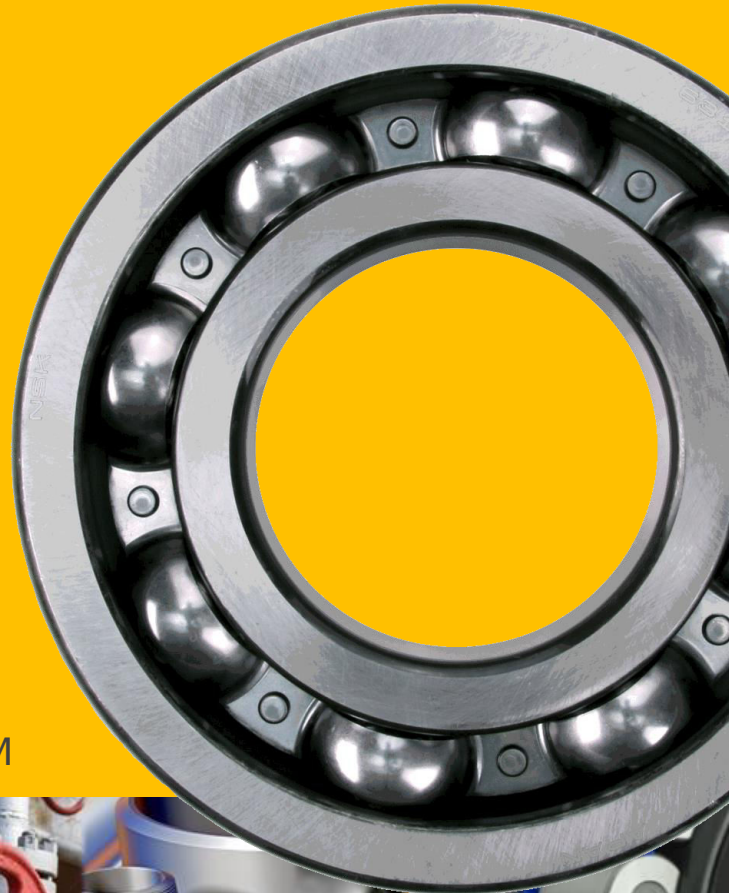
Anti-seize pastes

Valve lubricants

Food grade greases

Aero greases

Grease for excavation industries and TBM



PAGE	PRODUCTS	CODE	DESCRIPTION
1	Lithium grease	PX3-101	Multipurpose Lithium grease for lubrication under high temperatures
2	Lithium based grease EP	PX3-102	For high pressure and low to heavy load bearings
3	Lithium VIP grease	PX3-103	Multipurpose lithium grease used for lubrication under very high temperature
4	Lithium complex grease	PX3-104	Lithium complex soap grease with wide range of applications and temperatures
5	Calcium complex grease	PX3-106	Calcium complex soap grease for High speed oscillating bearings
6	Aluminum complex grease	PX3-301	For high pressure, low to heavy load open gears
7	Aluminum complex grease	PX3-302	Adhesive lubrication and protection of wire ropes, heavily loaded tooth flanks ...
8	Wire rope grease	PX3-303	Organic clay, high performance semi-fluid wire rope dressing
9	Wire rope grease	PX3-304	Reduces friction and corrosion. Protects against hydrogen sulfide (H2S) ....
10	Open Gear liquid	PX3-305	Operational lubricant for large girth gear drives
11	Heavy duty grease	PX3-306	For low-speed rolling bearings subject to high loads
12	Anti-seize paste	PX3-401	Lubrication of metal/metal contacts and tool joints up to 300 °C
13	HSC PLUS PASTE	PX3-402	Lubrication of metal/metal contacts and tool joints up to 1100 °C
14	GRAPHITE anti-seize paste	PX3-403	Lubrication of metal/metal contacts and tool joints up to 900 °C
15	Dope grease (casing)	PX3-404	Dope drill is ideal for high PH, high temperatures and invert muds
16	Dope grease (drill collar)	PX3-405	Dope drill is ideal for high PH, high temperatures and invert muds
17	Dope tool joint compound	PX3-406	The grease base ensures brush ability over a wide temperature range
18	Synthetic based valve grease	PX3-506	Synthetic lubricant for different types of valves
19	Silicone valve grease	PX3-507	Silicone grease for different types of Valves
20	Synthetic valve Lubricant	PX3-508	Highly resistance against: diesel fuel, HCL, drilling muds, H2S and CO2, Steam ...
21	Fully synthetic valve grease	PX3-511	Lubrication of industrial valves under extreme pressure
22	Conductive grease	PX3-601	Metal/Metal contacts within electrical fields
23	Overhead line conductor grease	PX3-602	Protection grease for overhead line conductors (power lines)
24	Food grade multipurpose grease	PX3-701	Lubrication of bearings, seals and plastic parts under wide temperature range
25	AERO GREASE	PX3-801	Non-soap Premium grease. Heavy load, High speed, wide temperature range
26	AERO GREASE	PX3-802	Non-soap multipurpose grease. General purpose grease for aircrafts
27	AERO GREASE	PX3-803	Non-soap multipurpose grease. General purpose grease for Helicopters
28	BENTON multipurpose grease	PX3-901	None-soap grease for extremely high temperature applications
29	Multipurpose calcium grease	CHASSIS	Calcium based grease for general uses under normal temperature
30	EPB grease	EPB	Multi-purpose EP2 grease for Tunnel Boring Machines (TBM)
31	Head seal grease	H.S.G	Head Seal Grease for Tunnel Boring Machines (TBM)
32	Tail seal grease	T.S.G	Tail Seal Grease for Tunnel Boring Machine (TBM)
33	Valve cleaner		Designed to clean and free stuck or chronic hard to operate valves

Website: <http://px3lube.com>

Website: <http://en.px3lube.com/>

Email: [info@px3lube.com](mailto:info@px3lube.com)

Email: [petrolubs@gmail.com](mailto:petrolubs@gmail.com)

Phone: (+98) 8645283020 (Persian)

Phone: (+98) 9125343599 (Persian)

Phone: (+98) 9194365681 (En)

Phone: (+36) 307935015 (En)

Fax: (+98) 8645283020

**PX3 lubrication**" was found in 2000, with the goal of creating jobs and achieving self-sufficiency in the production of various lubricants and special greases with high quality and compliance with national and international standards. It is important to mention that PX3 lubrication" is the first and the only manufacturer of diverse range of special lubricants in Iran based on researches by highly educated engineers. We believe that the perfect lubricant partner should not only supply the right high performance lubricant, but also provide exceptional levels of service and support to customers. Our experienced team work closely with customers, from choosing the right lubricant to fluid condition monitoring, ensuring they receive the most from their lubricants.





# PX3 - 101

Lubricants are our specialty. PX3 lubrication" has more than 10 years experience of manufacturing and supplying lubricants in Iran.

PX3 lubrication" is one of the most trusted brands in Iran along with world's latest technology has steady efforts in progressing and innovation.

## Lithium grease

### Multipurpose Lithium grease for lubrication under high temperatures

#### Advantages and benefits:

**PX3/101** is based on white oil and Lithium thickener.

The base oil which is used as a high quality, solvent, refined, high viscosity mineral oil with excellent oxidation and evaporation resistance.

PX3/101 is a high quality smooth lithium soap based multi-purpose grease. The combination of well selected base oils and lithium soap provides high working stability, resistance to hot and cold water, good corrosion protection and high oxidation stability.

PX3/101 is completely suitable for longtime lubrication of plain and antifriction bearings on electric motors, blowers, rolling mill trains, spindles, journal joints, etc. under normal to increased temperatures and speed conditions. The service temperature range is from – 20 °C to 140°C.

#### Other properties

- Good anti-adhesive properties.
- Good anti-wear, anti-corrosion and anti-oxidation properties.
- Excellent stability during long storage periods.
- Outstanding mechanical stability.

#### Technical data:

Specifications	Methods	Conditions	Unit	Value
Base oil viscosity	ASTM D445	40 °C	cSt	73 ~ 85
Base oil type				White oil
Thickener type				Lithium soap
Consistency	DIN 51 818	DIN ISO 2137	NLGI- class	1-2-3
Worked penetration	ASTM D217 ASTM D217	60 Dh 60 Dh	mm/10 mm/10	265 - 295 NLGI2 220 - 250 NLGI3
Dropping Point	ASTM D566		°C	180-190
Minimum service temperature		-20 °C		
Maximum service temperature		140 °C		
Color		Light brown – red – Green		

#### **PX3 LUBRICATION - IRAN**

**Phone:** (+98) 8645283020

**Phone:** (+98) 9194365681

**Phone:** (+98) 9125343599

**Fax:** (+98) 8645283020

**Email:** petrolubs@gmail.com

#### **PX3 LUBRICATION - EU**

**Phone:** (+36) 30 7935015

**Email:** info@px3lube.com



[www.px3lube.com](http://www.px3lube.com)



# PX3 - 102

Lubricants are our specialty. PX3 lubrication" has more than 10 years experience of manufacturing and supplying lubricants in Iran.

PX3 lubrication" is one of the most trusted brands in Iran along with world's latest technology has steady efforts in progressing and innovation.

## Lithium based grease EP

For high pressure and low to heavy load bearings

### Advantages and benefits:

**PX3/102** Provides excellent lubrication under extremely high pressure and wide range of operating temperatures. **PX3/102** is premier quality, multipurpose, extreme-pressure industrial grease based on a blend of high viscosity index mineral oils and a lithium hydroxystreate soap thickener and contains lead free extreme-pressure and other proven additives. **PX3/102** is designed for the grease lubrication of rolling element and plain bearings such as those found in the steel, paper, mining, quarrying and construction industries.

### Performance Features:

- Extremely high pressure resistance
- Superior mechanical stability
- Excellent resistance to water wash-out
- Oxidation stability
- Excellent corrosion protection

### Applications based on NLGI grade

PX3/102 EP 0 & 00	PX3/102 EP 2 & 3
<b>Are specifically designed for:</b> <ul style="list-style-type: none"> <li>• Steel mill lubrication where softer grease is necessary for specialized dispensing systems</li> <li>• Heavy duty plain and rolling element bearings operating under severe conditions including shock loading in wet environments</li> <li>• Gearbox applications where semi-fluid greases are required</li> </ul>	<b>Are specifically designed for:</b> <ul style="list-style-type: none"> <li>• Heavy duty bearings and general industrial lubrication</li> <li>• Heavy duty plain and rolling element bearings operating under severe conditions including shock loading in wet environments</li> <li>• Operation over the temperature range - 20°C to 100°C for bearings operating at 75% of the maximum rated speed (Can withstand up to 120°C intermittently)</li> </ul>

### Technical data:

Specifications	Methods	Conditions	Unit	Value
Base oil type				White oil
Thickener type				Lithium Complex soap
Dropping point	ASTM D566		°C	>250
Consistency	DIN 51 818	DIN ISO 2137	NLGI- class	2
Water resistance	DIN 51 807-1	90°C	Degree 0-3	1
Worked penetration	ASTM D217	60 Dh	mm/10	265 - 295 NLGI2
resistance to oxidation	DIN 51 808	100h/100°C	Bar	< 0.3
water resistance	DIN 51 807-1	90°C	Degree 0-3	1

Minimum service temperature	-30 °C
Maximum service temperature	160 °C
Color	Cream, Blue, Red, Green

### PX3 LUBRICATION - IRAN

Phone: (+98) 8645283020

Phone: (+98) 9194365681

Phone: (+98) 9125343599

Fax: (+98) 8645283020

Email: petrolubs@gmail.com

### PX3 LUBRICATION - EU

Phone: (+36) 30 7935015

Email: info@px3lube.com



[www.px3lube.com](http://www.px3lube.com)





# PX3 - 103

Lubricants are our specialty. PX3 lubrication" has more than 10 years experience of manufacturing and supplying lubricants in Iran.

PX3 lubrication" is one of the most trusted brands in Iran along with world's latest technology has steady efforts in progressing and innovation.

## Lithium VIP grease

**Multipurpose lithium grease used for lubrication under very high temperature**

### Advantages and benefits:

**PX3/103** grease is multi-purpose grease base on high viscosity oil and lithium thickener.

**PX3/103** is suitable for high speed and high temperature bearings.

**PX3/103** grease is applied in clean industries. This kind of lithium grease stick to metals strongly

Provides excellent lubrication for high speed and under wide range of operating temperatures and high pressure.

Excellent suited for long-term lubrication. Highly effective due to outstanding additives and high resistance to water.

Multi-Purpose Lithium Grease is designed specifically for automotive and light- to medium-truck applications. Lithium Greases resist water and oxidation, provide good shear stability and rust and corrosion protection. As a Lithium-based, water-resistant grease, its numerous benefits include:

- High speed
- High temperature resistance
- High pressure resistance
- Water and oxidation resistance
- Good shear stability
- Rust, corrosion, and anti-wear protection

### Technical data:

Specifications	Methods	Conditions	Unit	Value
Base oil viscosity	DIN 51 562-1	40°C	mm <sup>2</sup> /s	185
Base oil type				Fully synthetic oil
Pour point	DIN ISO 3016	3°C step	°C	< -20
Thickener type				Lithium-complex soap
Consistency	DIN 51 818	DIN ISO 2137	NLGI- class	1 - 2
Worked penetration	DIN ISO 2137	60 double strokes	0,1 mm	265 - 295 <b>NLGI 2</b> 220 - 250 <b>NLGI 3</b>
Water resistance	DIN 51 807-1	90°C	Degree 0-3	1
Drop point	DIN ISO 2265		°C	270
Additives				EP/AW
Minimum service temperature		-20°C		
Maximum service temperature		<b>200 °C</b>		
Color		Transparent		



### **PX3 LUBRICATION - IRAN**

**Phone:** (+98) 8645283020

**Phone:** (+98) 9194365681

**Phone:** (+98) 9125343599

**Fax:** (+98) 8645283020

**Email:** petrolubs@gmail.com

### **PX3 LUBRICATION - EU**

**Phone:** (+36) 30 7935015

**Email:** info@px3lube.com



# PX3 - 104

Lubricants are our specialty. PX3 lubrication" has more than 10 years experience of manufacturing and supplying lubricants in Iran.

PX3 lubrication" is one of the most trusted brands in Iran along with world's latest technology has steady efforts in progressing and innovation.

## Lithium complex grease

**High Performance – High Temperature Grease**

**Lithium complex soap grease with a wide range of applications in a wide range of temperatures.**

### Advantages and benefits:

- Modern grease with a wide range of applications
- Supports sealing of bearings
- Good corrosion protection
- Resistant to ageing and oxidation
- Good resistance to pressure and water

### Applications:

- Lubrication of friction, rolling and pivoting bearings, splined shafts, knockout spindles and sliding surfaces of all kinds under heavy loads and a broad temperature range, as well as all sliding speeds permissible for grease lubrication

### Technical data:

Specifications	Methods	Conditions	Unit	Value
Base oil type				White oil
Thickener type				<b>Lithium complex soap</b>
Consistency	DIN 51 818	DIN ISO 2137	NLGI- class	1-2-3
Density	DIN EN ISO 3838	at 20°C	g/cm <sup>3</sup>	0.93
Viscosity	DIN 51 562-1	@ 100 °C @ 40 °C	mm <sup>2</sup> /s	14 100
Worked penetration	ASTM D217 ASTM D217	60 Dh 60 Dh	mm/10 mm/10	265 - 295 NLGI2 220 - 250 NLGI3
Dropping Point	ASTM D566		°C	<b>&gt;250</b>
resistance to oxidation	DIN 51 808	100h/100°C	Bar	< 0.3
water resistance	DIN 51 807-1	90°C	Degree 0-3	1
Minimum service temperature		-30 °C		
Maximum service temperature		<b>200 °C</b>		
Color		<b>Cream, Blue, Red, Green</b>		



### **PX3 LUBRICATION - IRAN**

**Phone:** (+98) 8645283020

**Phone:** (+98) 9194365681

**Phone:** (+98) 9125343599

**Fax:** (+98) 8645283020

**Email:** petrolubs@gmail.com

### **PX3 LUBRICATION - EU**

**Phone:** (+36) 30 7935015

**Email:** info@px3lube.com



[www.px3lube.com](http://www.px3lube.com)





# PX3 - 106

Lubricants are our specialty. PX3 lubrication" has more than 10 years experience of manufacturing and supplying lubricants in Iran.

PX3 lubrication" is one of the most trusted brands in Iran along with world's latest technology has steady efforts in progressing and innovation.

## Calcium complex grease

**Calcium complex soap grease for High speed oscillating bearings, especially for small slewing angles**

### Advantages and benefits:

**PX3-106** is based on white oil and Calcium complex thickener. **PX3-106** is a high-speed grease with a good pressure absorption capacity. It consists of a combination of ester oil, synthetic hydrocarbon oil and mineral oil and a barium complex soap. It offers good protection against wear and corrosion and is resistant to water, media and oxidation.

### Applications:

Calcium complex soap grease for High speed oscillating bearings, especially for small slewing angles.

**PX3-106** is primarily used for spindle bearings and high-speed plain bearings, e.g. in machine tools and textile machines. Further applications are in threaded spindles, balls crews operating under high loads, running gear bearings, as a long-term grease in cableway bearings and in precision engineering. It may also be used for the lubrication of tooth flanks in precision gears (e.g. bevel gears in milling machines, electromechanical valve actuators).

- Modern grease with a wide range of applications
- Supports sealing of bearings
- Good corrosion protection
- Resistant to ageing and oxidation
- Good resistance to pressure and water

Compatible with: **KLUBER ISOFLEX® NBU 15**

### Technical data:

Specifications	Methods	Conditions	Unit	Value
Base oil type				Synthetic oil
Thickener type				Calcium complex soap
NLGI Grade	DIN 51518		NLGI- class	3
Worked penetration	DIN ISO 2137		mm/10	265 - 295
Dropping Point	ASTM D566		°C	>220
Density			kg/dm <sup>3</sup>	0.9
Corrosion protection	DIN 51 802			≤ 1
Minimum service temperature				-40 °C
Maximum service temperature				130 °C
Color				Beige
Appearance				homogeneous



### **PX3 LUBRICATION - IRAN**

Phone: (+98) 8645283020

Phone: (+98) 9194365681

Phone: (+98) 9125343599

Fax: (+98) 8645283020

Email: petrolubs@gmail.com

### **PX3 LUBRICATION - EU**

Phone: (+36) 30 7935015

Email: info@px3lube.com



# PX3 - 301

Lubricants are our specialty. PX3 lubrication" has more than 10 years experience of manufacturing and supplying lubricants in Iran.

PX3 lubrication" is one of the most trusted brands in Iran along with world's latest technology has steady efforts in progressing and innovation.

## Aluminum complex grease

For high pressure, low to heavy load open gears

### Advantages and benefits:

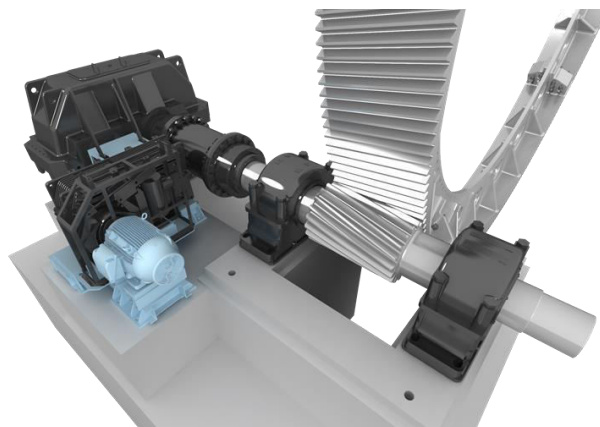
Most suitable for reliable supply of open gears, even at high circumferential speed. Very efficient through EP additives in association with a specific combination of solid lubricants and adhesive additives. Reliable protection of tooth flanks, even at high temperatures and with extended republication time. Good pressure resistance of the lubricating film, excellent wear protection. The film is not embrittling and aging. Without bitumen, solvent does not contain heavy metals.

### Applications:

Lubrication of open, half open gears, even outdoors; for highest contact pressure and high circumferential speed, e.g. for rotary kilns, ball mills, rotary barrel mixers, ball mills, rope winches or friction presses; also for guiding elements, slide bars, heavy transport chains and closed wire ropes; lubrication of rotating assemblies of convertors, cranes, crushers and dredges with spray or central lubricating systems; lubrication of heavily loaded gear couplings.

### Technical data:

Specification	Methods	Conditions	Unit	Value
Base oil Type				Mineral oil
Viscosity/NLGI grade	din 51 562-1	40 °C	mm <sup>2</sup> /s	2200 / 0-00 1100 / 0-1 500 / 0
Pour point	DIN ISO 3016	3°C step	°C	-40
Thickener Type				Aluminum soap
Consistency	DIN 51 818	DIN ISO 2137	NLGI- class	0 - 00
Worked penetration	DIN ISO 2137	60 Dh	0,1 mm	355 - 385
Additives				Graphite
Oil separation	DIN 51 817	18h/40°C 168h/40°C	Weight-% Weight-%	0,00 0,14
Density	DIN EN ISO 3838	+20°C	g/cm <sup>3</sup>	0.98
<b>Viscosity / NLGI</b>	2200 / 0-00	1100 / 0-00	500 / 0	mm <sup>2</sup> /s @ 40°C
<b>Operating temperatures</b>	0 - +180	-10 +180	-20 +180	°C
Color	Dark gray - Black			



### **PX3 LUBRICATION - IRAN**

**Phone:** (+98) 8645283020

**Phone:** (+98) 9194365681

**Phone:** (+98) 9125343599

**Fax:** (+98) 8645283020

**Email:** petrolubs@gmail.com

### **PX3 LUBRICATION - EU**

**Phone:** (+36) 30 7935015

**Email:** info@px3lube.com





# PX3 - 302

Lubricants are our specialty. PX3 lubrication" has more than 10 years experience of manufacturing and supplying lubricants in Iran.

PX3 lubrication" is one of the most trusted brands in Iran along with world's latest technology has steady efforts in progressing and innovation.

## Aluminum complex grease

**Adhesive lubrication and protection of wire ropes and heavily loaded tooth flanks and sliding surfaces.**

### Advantages and benefits:

- High effectiveness thanks to graphite share
- Extremely low friction at highest load
- Increased operational reliability of moving parts due to run-in-supporting formation of sliding film
- Minimum consumption due to realisable thin film lubrication
- Excellent pressure resistance
- Waterproof
- Excellent pumpability
- Prevents the buildup of dust and dirt

### Applications:

- Lubrication of tooth flanks and sliding surfaces of machine elements of all types, for example sliding bearings, slideways, guides, etc.
- Run-in lubrication of heavily loaded tooth flanks and sliding surfaces
- Lubrication of jackscrews in the motor vehicle and train technology
- Cable lubrication

### Main fields of application:

- Wire rope dressing
- Port and offshore fields
- Building machine industry
- Wind energy plants

### Technical data:

Specification	Methods	Conditions	Unit	Value
Base oil Type				Mineral / synthetic oil
Thickener Type				Aluminum soap
Consistency	DIN 51 818	DIN ISO 2137	NLGI- class	0 - 00 - 1
Drop point	DIN ISO 2176			> 220
Worked penetration	DIN ISO 2137	60 Dh	0,1 mm	310 - 340
Additives				Graphite
Oil separation	DIN 51 817	18h/40°C 168h/40°C	Weight-% Weight-%	0,00 0,14
Water wash out	ISO 11009	38°C	[%]	<1
Minimum service temperature		-40 °C		
Maximum service temperature		120 °C		
Color		Dark gray - Black		

### **PX3 LUBRICATION - IRAN**

**Phone:** (+98) 8645283020

**Phone:** (+98) 9194365681

**Phone:** (+98) 9125343599

**Fax:** (+98) 8645283020

**Email:** petrolubs@gmail.com

### **PX3 LUBRICATION - EU**

**Phone:** (+36) 30 7935015

**Email:** info@px3lube.com



# PX3 - 303

Lubricants are our specialty. PX3 lubrication" has more than 10 years experience of manufacturing and supplying lubricants in Iran.

PX3 lubricants" is one of the most trusted brands in Iran along with world's latest technology has steady efforts in progressing and innovation.

## Wire rope grease

### Organic clay, high performance semi-fluid wire rope dressing

#### Advantages and benefits:

- High effectiveness thanks to graphite share
- Extremely low friction at highest load
- Increased operational reliability of moving parts due to run-in-supporting formation of sliding film
- Minimum consumption due to realisable thin film lubrication
- Excellent pressure resistance
- Waterproof
- Excellent pumpability
- Prevents the buildup of dust and dirt

#### Applications:

- Lubrication of tooth flanks and sliding surfaces of machine elements of all types, for example sliding bearings, slideways, guides, etc.
- Run-in lubrication of heavily loaded tooth flanks and sliding surfaces
- Lubrication of jackscrews in the motor vehicle and train technology
- Cable lubrication

#### Main fields of application:

- Wire rope dressing
- Port and offshore fields
- Building machine industry
- Wind energy plants

#### Technical data:

Specification	Methods	Conditions	Unit	Value
Base oil Type				Mineral / synthetic oil
Thickener Type				Organic clay
Consistency	DIN 51 818	DIN ISO 2137	NLGI- class	0 - 00 - 1
Drop point	DIN ISO 2176			Without drop
Worked penetration	DIN ISO 2137	60 Dh	0,1 mm	310 - 340
Additives				Graphite
Water wash out	ISO 11009	38°C	[%]	<1
Oil separation	DIN 51 817	18h/40°C 168h/40°C	Weight-% Weight-%	0,00 0,14
Density	DIN EN ISO 3838	+20°C	g/cm <sup>3</sup>	0.98
Minimum service temperature		-40 °C		
Maximum service temperature		120 °C		
Color		Dark gray - Black		

#### **PX3 LUBRICATION - IRAN**

**Phone:** (+98) 8645283020

**Phone:** (+98) 9194365681

**Phone:** (+98) 9125343599

**Fax:** (+98) 8645283020

**Email:** petrolubs@gmail.com

#### **PX3 LUBRICATION - EU**

**Phone:** (+36) 30 7935015

**Email:** info@px3lube.com





# PX3 - 304

Lubricants are our specialty. PX3 lubrication" has more than 10 years experience of manufacturing and supplying lubricants in Iran.

PX3 lubricants" is one of the most trusted brands in Iran along with world's latest technology has steady efforts in progressing and innovation.

## Wire rope grease

### Advantages and benefits:

**PX3-304** Wire rope Grease, manufactured with corrosion inhibitors, is designed for more effective wireline lubrication and ease of wireline operations. Recommended for operations where different pressures exist, PX3-304 Wire rope Lubricant provides better seal retention. In addition to maintaining and holding higher seal pressures, PX3-304 Wire rope Lubricant reduce the friction of the wireline, thus keeping wear on wireline and flow tubes to a minimum. PX3-304 Wire rope Lubricant will retain higher working pressures, resulting in reducing the loss of condensate, fluids, or gas from the well.

PX3-304 Wire rope Lubricant is most effective under high shock conditions for the reduction of drip and splatter. The special cohesive and adhesive properties prevent wellsite contamination. PX3-304 Wire rope Lubricant provides protection against hydrogen sulfide (H<sub>2</sub>S) and inhibits against the corrosive effects of acids, caustics, and salt water.

### Applications:

- Contain corrosion inhibitors
- Effective wireline lubrication
- Provides better seal retention
- Maintains and holds higher seal pressure
- Reduces friction
- Reduces loss of condensate, fluids, or gas from well
- Reduces drip and splatter
- Prevents wellsite contamination
- Protects against hydrogen sulfide (H<sub>2</sub>S)

### Main fields of application:

PX3-304 Wire rope Lubricant is used on grease injection control heads and cable lubricators.

### Technical data:

Specification	Methods	Conditions	Unit	Value
Texture				Tacky Liquid
Viscosity	ASTM D-445	@ 40°C	Kinematic, cSt	10,500–12,000
Viscosity Index				265
Water wash out	ISO 11009	38°C	[%]	<1
Flash Point	ASTM D-92			390°F (198°C)
Rust Preventive Test	ASTM D-3603	@ 140°F (60°C)		Pass
Minimum service temperature		12 °C		
Maximum service temperature		32 °C		
Color		Golden Yellow		

### **PX3 LUBRICATION - IRAN**

**Phone:** (+98) 8645283020

**Phone:** (+98) 9194365681

**Phone:** (+98) 9125343599

**Fax:** (+98) 8645283020

**Email:** petrolubs@gmail.com

### **PX3 LUBRICATION - EU**

**Phone:** (+36) 30 7935015

**Email:** info@px3lube.com



# PX3 - 305

Lubricants are our specialty. PX3 lubrication" has more than 10 years experience of manufacturing and supplying lubricants in Iran.

PX3 lubrication" is one of the most trusted brands in Iran along with world's latest technology has steady efforts in progressing and innovation.

## OPEN GEAR GREASE

**Operational lubricant for large girth gear drives**

### Advantages and benefits:

**PX3-305** is a lubricant of a new generation, developed specifically for the lubrication of medium-size to large girth gear drives. It is based on synthetic hydrocarbons and mineral oil. It provides good adhesion, excellent resistance to high pressure and protection against wear. This product is suitable for use at component temperatures up to 120°C.

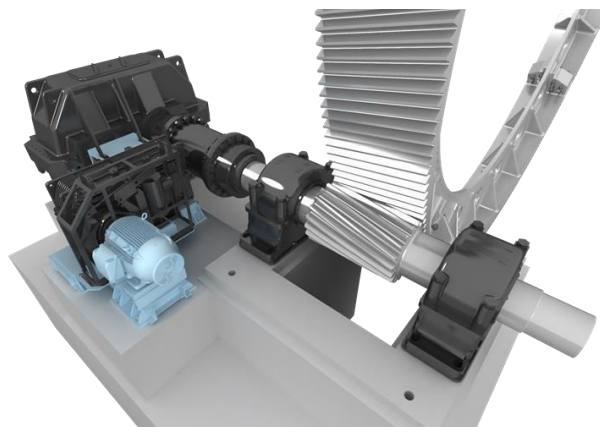
**PX3-305** is free from bitumen, solvents, heavy metals, chlorine and solid particles. **PX3-305** meets the requirements of ANSI/AGMA 9005-E02 annex D-2.

### Applications:

**PX3-305** can be used for immersion, paddle wheel, circulation and spray lubrication of large girth gear drives. Application possibilities are not restricted, neither by gear sizes nor power ratings. A peripheral speed of 10.0 m/s should not be exceeded. Such drives are found in rotary kilns, tube mills, drums and similar machinery used in the cement, lime, gypsum, mining and chemical industries and in power plants. Further applications are found in sugar and paper production as well as in marine and offshore technology.

### Technical data:

Specifications	Methods	Conditions	Unit	Value
Base oil type				Mineral oil
Thickener type				Synthetic
Density		at 20 °C	g/cm <sup>3</sup>	0.92
Kinematic viscosity	DIN 51562 pt	100 °C	mm <sup>2</sup> /s	500
Viscosity index	DIN ISO 2909			170
Flash point	DIN EN ISO 2592		°C	>= 200
Pour point	DIN ISO 3016		°C	< 10
Four-ball EP tester	DIN 51350			>= 8 000
Texture	homogeneous			
Minimum service temperature	15 °C			
Maximum service temperature	120 °C			
Color	Brown			



### **PX3 LUBRICATION - IRAN**

**Phone:** (+98) 8645283020

**Phone:** (+98) 9194365681

**Phone:** (+98) 9125343599

**Fax:** (+98) 8645283020

**Email:** petrolubs@gmail.com

### **PX3 LUBRICATION - EU**

**Phone:** (+36) 30 7935015

**Email:** info@px3lube.com





# PX3 - 306

Lubricants are our specialty. PX3 lubrication" has more than 10 years experience of manufacturing and supplying lubricants in Iran.

PX3 lubrication" is one of the most trusted brands in Iran along with world's latest technology has steady efforts in progressing and innovation.

## Heavy-duty grease

**For low-speed rolling bearings subject to high loads**

### Advantages and benefits:

This heavy-duty grease consists of a highly viscous mineral hydrocarbon oil, special lithium soap and particularly effective EP/AW additives. It also contains solid lubricants (MoS<sub>2</sub> and graphite) to ensure reliable operation under starved lubrication conditions. **PX3-306** is resistant to ageing and protects reliably against corrosion.

- Heavy-duty grease
- High base oil viscosity
- Excellent wear protection
- Contains solid lubricant for emergency operation

### Applications:

**PX3-306** was especially developed for large low speed rolling bearings subject to high loads. It is typically applied to lubricate the bearings of rollers (spherical roller bearings) in roller presses, bowl mill and rotary crushers in the base material industry. This grease is also suitable for the lubrication of pivoting bearings and plain bearings.

**Equivalent of: Kluberlub BE 41-1501**

### Technical data:

Specifications	Methods	Conditions	Unit	Value
Base oil type				Mineral oil
Thickener type				Lithium soap
Density		at 20 °C	g/cm <sup>3</sup>	0.92
NLGI grade	DIN 51818			1
Kinematic viscosity	DIN 51562 pt	100 °C	mm <sup>2</sup> /s	500
Worked penetration	DIN ISO 2137	25 °C	mm	310 x 0.1
Viscosity index	DIN ISO 2909			170
Drop point	DIN ISO 2176		°C	>= 180
Texture	homogeneous			
Minimum service temperature	-10 °C			
Maximum service temperature	+150 °C			
Color	Black			



### **PX3 LUBRICATION - IRAN**

**Phone:** (+98) 8645283020

**Phone:** (+98) 9194365681

**Phone:** (+98) 9125343599

**Fax:** (+98) 8645283020

**Email:** petrolubs@gmail.com

### **PX3 LUBRICATION - EU**

**Phone:** (+36) 30 7935015

**Email:** info@px3lube.com



# PX3 - 401

Lubricants are our specialty. PX3 lubrication" has more than 10 years experience of manufacturing and supplying lubricants in Iran.

PX3 lubrication" is one of the most trusted brands in Iran along with world's latest technology has steady efforts in progressing and innovation.

## Anti-seize paste for tool joints

### Advantages and benefits:

CERAMIC ANTI-SEIZE COMPOUND is a non-metallic anti-seize compound and assembly paste. Containing micro ceramic particles in a phyllosilicate vehicle compounded in a synthetic base fluid with a non-melt thickener. The compound fills surface irregularities and prevents both leaks and the intrusion of contaminants. The major advantage of this ceramic compound is that galvanic corrosion is prevented when dissimilar metals are joined. Use on brake assemblies, all studs, nuts, bolts and other threaded connections, including exhaust systems. Assembly is made easier and threaded couplings can be secured uniformly with optimum torque. After long periods of service in quite arduous conditions of heat, pressure and vibration, components can be readily broken out without damage or distortion.

### Applications:

Use on brake assemblies, all studs, nuts, bolts and other threaded connections, including exhaust systems. Assembly is made easier and threaded couplings can be secured uniformly with optimum torque. After long periods of service in quite arduous conditions of heat, pressure and vibration, components can be readily broken out without damage or distortion.

### Technical data:

SPECIFICATION	Methods	Conditions	Unit	Value
Base oil Viscosity	din 51 562-1	40 °C	cst	180
Base oil Type				Mineral oil
Pour point	DIN ISO 3016	3°C step	°C	-45
Thickener Type				inorganic
Consistency	DIN 51 818	DIN ISO 2137	NLGI- class	1-2-3
Worked penetration	DIN ISO 2137	60 Dh	0,1 mm	310 – 340 <b>NLGI 1</b> 265 – 295 <b>NLGI 2</b> 220 – 250 <b>NLGI 3</b>
Drop point	DIN ISO 2176		°C	185 <b>NLGI 1</b> 190 <b>NLGI 2</b> 190 <b>NLGI 3</b>
Additives				Ceramic, ...
Minimum service temperature		-30 °C		
Maximum service temperature		300 °C		
Color		Red pink		

### **PX3 LUBRICATION - IRAN**

**Phone:** (+98) 8645283020  
**Phone:** (+98) 9194365681  
**Phone:** (+98) 9125343599

**Fax:** (+98) 8645283020

**Email:** petrolubs@gmail.com

### **PX3 LUBRICATION - EU**

**Phone:** (+36) 30 7935015

**Email:** info@px3lube.com



# PX3 - 402

Lubricants are our specialty. PX3 lubrication" has more than 10 years experience of manufacturing and supplying lubricants in Iran.

PX3 lubrication" is one of the most trusted brands in Iran along with world's latest technology has steady efforts in progressing and innovation.

## HSC PLUS PASTE

### High temperature Screw Copper thread paste (HSC)

#### Advantages and benefits:

- Excellent anti-seize properties
- Can be used over a wide range of temperature
- High load carrying capacity
- Good corrosion protection
- Good electrical conductivity

#### Applications:

- Suitable for lubrication points with low speeds, subjected to high temperatures and corrosive effects, and also require a low and constant coefficient of friction.
- For metal/metal combinations that are subjected to high temperatures and frictional contacts which, typically for bolted joints, are free from lead or nickel.
- Used successfully for stud bolts of gas and steam turbines, stud bolts of turbocharges of diesel engines, flanged connections in chemical and petrochemical plants.
- As a contact lubricant for electrically conducting components.

#### Technical data:

Specifications	Methods	Conditions	Unit	Value
Base oil Type				Mineral oil
Pourpoint	DIN ISO 3016	3°C step	°C	-45
Thickener Type				inorganic
Unworked penetration	ISO 2137		mm/10	250-280
Density	ISO 2811	20°C	g/ml	1.4
Drop point	ISO 2176		°C	None
Electrically conductivity	DIN IEC 247	at 23°C	Ohm-1 cm-1	2.27 x 108
Additives				Copper, ...
Minimum service temperature		-30 °C		
Maximum service temperature		1100 °C		
Color		copper-brownish		

#### **PX3 LUBRICATION - IRAN**

Phone: (+98) 8645283020

Phone: (+98) 9194365681

Phone: (+98) 9125343599

Fax: (+98) 8645283020

Email: petrolubs@gmail.com

#### **PX3 LUBRICATION - EU**

Phone: (+36) 30 7935015

Email: info@px3lube.com





# PX3 - 403

Lubricants are our specialty. PX3 lubrication" has more than 10 years experience of manufacturing and supplying lubricants in Iran.

PX3 lubrication" is one of the most trusted brands in Iran along with world's latest technology has steady efforts in progressing and innovation.

## GRAPHITE based anti-seize paste

**Lubrication of metal/metal contacts under high temperature and pressure**

### Advantages and benefits:

Dark grey, metal-free anti-seize with graphite and calcium oxide in a brush top form.

**PX3-403** is a dark grey, metal-free anti-seize with graphite and calcium oxide in a brush top form. It has a high purity formula with excellent chemical resistance and is ideal for use in the nuclear industry and on stainless steel. It has a high temperature resistance of up to 900°C.

- Metal-free
- High purity formula with excellent chemical resistance
- For stainless steel
- Ideal for use in the nuclear industry
- Temperature resistant to +900°C

### Technical data:

	Methods	Conditions	Unit	Value
Base oil Viscosity	din 51 562-1	40 °C	cst	180
Base oil Type				Mineral oil
Pour point	DIN ISO 3016	3°C step	°C	-45
Thickener Type				inorganic
Consistency	DIN 51 818	DIN ISO 2137	NLGI- class	1-2-3
Unworked penetration	DIN ISO 2137	60 Dh	0,1 mm	310 – 340 <b>NLGI 1</b> 265 – 295 <b>NLGI 2</b> 220 – 250 <b>NLGI 3</b>
Drop point	DIN ISO 2176		°C	185 <b>NLGI 1</b> 190 <b>NLGI 2</b> 190 <b>NLGI 3</b>
Electrically conductivity	DIN IEC 247	at 23°C	Ohm-1 cm-1	2.27 x 10 <sup>8</sup>
Additives				Graphite, ...
Minimum service temperature		-30 °C		
Maximum service temperature		900 °C		
Color		Black		

### **PX3 LUBRICATION - IRAN**

**Phone:** (+98) 8645283020

**Phone:** (+98) 9194365681

**Phone:** (+98) 9125343599

**Fax:** (+98) 8645283020

**Email:** petrolubs@gmail.com

### **PX3 LUBRICATION - EU**

**Phone:** (+36) 30 7935015

**Email:** info@px3lube.com



# PX3-404

Lubricants are our specialty. PX3 lubrication" has more than 10 years experience of manufacturing and supplying lubricants in Iran.

PX3 lubrication" is one of the most trusted brands in Iran along with world's latest technology has steady efforts in progressing and innovation.

## Dope grease (casing)

**Dope drill is ideal for high PH, high temperatures and invert muds.**

### Advantages and benefits:

**PX3-404** is an excellent lubricant for highly loaded and stressed static parts and for low-speed revolving Installations operating at high temperatures. Because of its **NEW special formulation** and most finely ground particles, fills all coarseness and pores on the surface of the metal and protects it against seizure, abrasion, pitting and fretting.

### Applications:

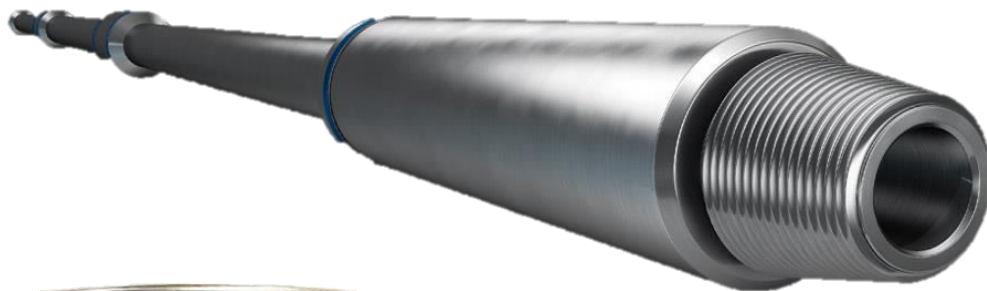
**PX3-404** is mostly used as Anti-seize grease for tool joints. **PX3-404** is also used for different applications in refinery, chemical, industrial and power generation plants working in adverse operation conditions such as high pressures and temperatures.

### Other advantages:

- Protection against rust and friction
- Prevent oxidation and contact corrosion btw metals in work places.
- It resists against high pressure and temperature.

### Technical data:

Specifications	Methods	Conditions	Unit	Value
Viscosity	din 51 562-1	40 °C	cst	180
Base oil type				Mineral oil
Thickener type				complex
Consistency	DIN 51 818	DIN ISO 2137	NLGI- class	0 - 1
penetration	ASTM D217	25°C	mm/10	310-340
Flash Point	ASTM D92		°F	430
Oil Separation	ASTM D1742	100 °C	Weight-%	5
Minimum service temperature		-22 °C		
Maximum service temperature		300 °C		
Color		Black		



### **PX3 LUBRICATION - IRAN**

**Phone:** (+98) 8645283020

**Phone:** (+98) 9194365681

**Phone:** (+98) 9125343599

**Fax:** (+98) 8645283020

**Email:** petrolubs@gmail.com

### **PX3 LUBRICATION - EU**

**Phone:** (+36) 30 7935015

**Email:** info@px3lube.com



# PX3-405

Lubricants are our specialty. PX3 lubrication" has more than 10 years experience of manufacturing and supplying lubricants in Iran.

PX3 lubrication" is one of the most trusted brands in Iran along with world's latest technology has steady efforts in progressing and innovation.

## Dope grease (drill collar)

**Dope drill is ideal for high PH, high temperatures and invert muds.**

### Advantages and benefits:

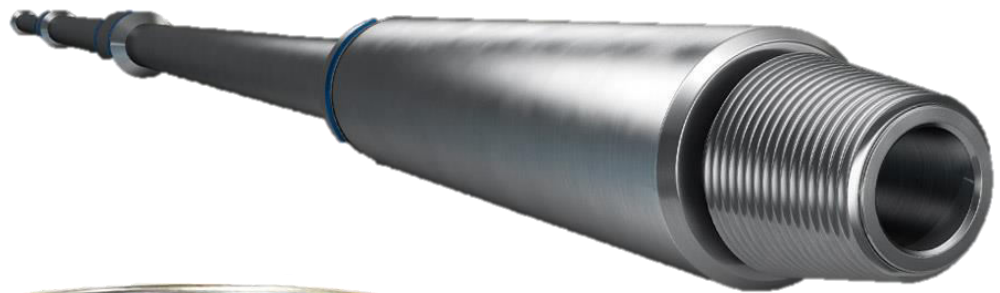
**PX3-405** is an environmentally-friendly, double-duty drill collar & tool joint compound formulated to provide a superior level of performance for the increasing demands of today oil field market. The lead-free formulation contains copper -flake as the only metallic component and is contains by a unique blend of anti-corrosion and anti-wear additives.

### Applications:

**PX3-405** is recommended for the entire drill string of crude geothermal wells, high angle holes, and problematic holes involving high temperature, whip stocks, and horizontal drilling applications.

### Technical data:

	Methods	Conditions	Unit	Value
Viscosity	din 51 562-1	40 °C	cst	180
Base oil Type				Mineral oil
Thickener Type				Synthetic
Consistency	DIN 51 818	DIN ISO 2137	NLGI- class	1
penetration	ASTM D217	25°C	mm/10	310-340
Flash Point	ASTM D92		°F	430
Oil Separation	ASTM D1742	100 °C	Weight-%	5
Oxidation resistance	DIN 51 808	100h/160°C	bar	< 0,7
Minimum service temperature		-22 °F		
Maximum service temperature		385 °F		
Color		Copper		



### **PX3 LUBRICATION - IRAN**

**Phone:** (+98) 8645283020

**Phone:** (+98) 9194365681

**Phone:** (+98) 9125343599

**Fax:** (+98) 8645283020

**Email:** petrolubs@gmail.com

### **PX3 LUBRICATION - EU**

**Phone:** (+36) 30 7935015

**Email:** info@px3lube.com





# PX3-406

Lubricants are our specialty. PX3 lubrication" has more than 10 years experience of manufacturing and supplying lubricants in Iran.

PX3 lubrication" is one of the most trusted brands in Iran along with world's latest technology has steady efforts in progressing and innovation.

## TOOL JOINT COMPOUND

### Advantages and benefits:

**PX3-406** contains prime grade zinc and are respectively formulated with 40%, 50%, and 60% metallic zinc, meeting the metallic zinc requirements described in API RP 5A3 Annex 1. All contain special additives to reduce the plating and buildup of metallic zinc encountered with other zinc compounds.

The grease base ensures brush ability over a wide temperature range, tenacious adherence to all surfaces, resistance to water wash out, and the prevention of rust/corrosion. The metallic zinc particles and other additives are maintained in uniform suspension throughout the compounds

- Non-plating
- Low sulfur content (<0.1% active sulfur)
- Non-reactive, no gassing
- Brush able over a wide temperature range
- Sticks to wet joints
- Consistent rig floor make-up
- Resistant to further down hole make-up

### Applications:

PX3-406 Tool Joint Compounds are designed to provide the maximum protection for tool joint threads and shoulders over a wide variety of conditions. They prevent galling and wear plus ensure consistent rig floor make-up while providing some resistance to further make-up down hole.

### Technical data:

	Methods	Conditions	Unit	Value
Base oil Type				Petroleum
Thickener Type				Aluminum Complex
Consistency	DIN 51 818	DIN ISO 2137	NLGI- class	1 ½ - 2
Drop point	ASTM D-566		°C	196
Oil Separation		@ 212°F (100°C)	WT. % LOSS	<5.0
Flash Point	ASTM D92		°C	221
Oil Separation	ASTM D1742	100 °C	Weight-%	5
Penetration	ASTM D-217	@77°F		275 - 305
Copper Strip Corrosion	ASTM D-4048			1A
4-Ball	ASTM D-2596			500
Appearance	Smooth Paste			
Minimum service temperature	-18 °C			
Maximum service temperature	+150 °C			
Color	Gray			

### **PX3 LUBRICATION - IRAN**

**Phone:** (+98) 8645283020

**Phone:** (+98) 9194365681

**Phone:** (+98) 9125343599

**Fax:** (+98) 8645283020

**Email:** petrolubs@gmail.com

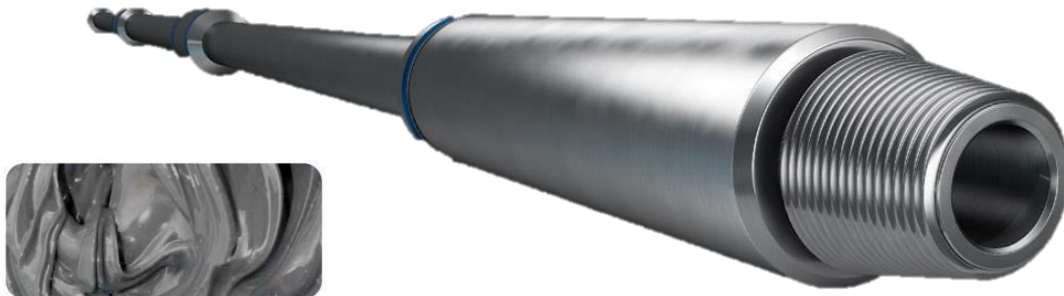
### **PX3 LUBRICATION - EU**

**Phone:** (+36) 30 7935015

**Email:** info@px3lube.com



[www.px3lube.com](http://www.px3lube.com)



# PX3 - 506

Lubricants are our specialty. PX3 lubrication" has more than 10 years experience of manufacturing and supplying lubricants in Iran.

PX3 lubrication" is one of the most trusted brands in Iran along with world's latest technology has steady efforts in progressing and innovation.

## Synthetic lubricant for different types of valves

### Advantages and benefits:

This Grease (**Px3/506**) is a synthetic base lubricant and sealant designed for use in gate valves as well as in ball and plug valves. Its synthetic base resists washout by crude oil, distillates or other petroleum hydrocarbons. PX3/506 provides corrosion protection as well as extreme pressure lubrication to WKM type and other oilfield and pipeline valves.

### Applications:

**PX3/506** can be used to purge and lubricate valves after hydrostatic testing. It can be used in aliphatic hydrocarbons, crude distillates, crude oil, diesel fuel, hydrocarbon liquids, kerosene, LPG, lubricating oils and natural gas. Px3/506 will service temperatures from -20 °F to +275 °F and can be applied by injection with a standard high-pressure grease gun.

### Other properties:

- High temperature rated
- Excellent adhesion
- Resist washout
- Non-drying
- Resist washout by crude oil, distillates or petroleum hydrocarbons.

### Technical data:

<b>Color</b>	White
<b>Consistency</b>	Extremely Tacky
<b>Base oil</b>	Synthetic
<b>Penetration Worked (ASTM 216)</b>	265 - 295
<b>NLGI Grade</b>	2
<b>Base oil type</b>	Synthetic
<b>Flash Point</b>	506 °C
<b>Specific Gravity @ 77 °F</b>	1.2
<b>Density</b>	10 Lbs./Gal.
<b>Washout Resistant</b>	Yes
<b>High Temp Rated</b>	Yes
<b>Service temperatures</b>	-20°F to +275°F

### **PX3 LUBRICATION - IRAN**

**Phone:** (+98) 8645283020

**Phone:** (+98) 9194365681

**Phone:** (+98) 9125343599

**Fax:** (+98) 8645283020

**Email:** petrolubs@gmail.com

### **PX3 LUBRICATION - EU**

**Phone:** (+36) 30 7935015

**Email:** info@px3lube.com



# PX3- 507

Lubricants are our specialty. PX3 lubrication" has more than 10 years experience of manufacturing and supplying lubricants in Iran.

PX3 lubrication" is one of the most trusted brands in Iran along with world's latest technology has steady efforts in progressing and innovation.

## Silicone grease for different types of Valves

### Advantages and benefits:

**PX3/507** Silicone Grease is formulated as a Co2 resistant valve lubricant and sealant. It provides superior lubrication and sealing to valves exposed to Co2 and other adverse environments. It will not dissolve or wash out when exposed to Co2, H2S, crudes or other petroleum based fluids.

Silicone Grease is very cohesive and will not wash out under adverse conditions thus maximizing continuous valve sealing. It will allow continuous valve operation between extended lubrication intervals.

Silicone Valve Lubricant and Sealant does not contain residual solids such as bentonite or soap thickeners which build up in the valve body and interfere with valve operation.

### Other properties:

- Non- toxic, Suitable for **food industry**
- Protects **o'rings** and plastic **plastic washers**
- Highly **waterproof** and cannot be washed out

### Technical data:

SPECIFICATIONS	Methods	Conditions	Unit	Value
Base oil viscosity	din 51 562-1	25 °C	mm <sup>2</sup> /s	100.000
Base oil type				Fully Synthetic
Thickener type				inorganic
Consistency	DIN 51 818	DIN ISO 2137	NLGI- class	3
Worked penetration	DIN ISO 2137	60 Dh	0,1 mm	220 - 250
Evaporation loss	DIN 58 397-1	24h/200 °C	Weight-%	< 3,0
Oil separation	DIN 51 817	18h/40°C	Weight-%	0,00
		168h/40°C	Weight-%	0,14
Oxidation resistance	DIN 51 808	100h/160°C	bar	< 0,7
Minimum service temperature		-80 °C		
Maximum service temperature		300 °C		
Color		transparent		

### **PX3 LUBRICATION - IRAN**

**Phone:** (+98) 8645283020

**Phone:** (+98) 9194365681

**Phone:** (+98) 9125343599

**Fax:** (+98) 8645283020

**Email:** petrolubs@gmail.com

### **PX3 LUBRICATION - EU**

**Phone:** (+36) 30 7935015

**Email:** info@px3lube.com





# PX3 - 508

Lubricants are our specialty. PX3 lubrication" has more than 10 years experience of manufacturing and supplying lubricants in Iran.

PX3 lubrication" is one of the most trusted brands in Iran along with world's latest technology has steady efforts in progressing and innovation.

## Synthetic valve Lubricant and Sealant

### Description:

**PX3-508** is a specially formulated valve lubricant based on fully synthetic oil and incorporating an advanced corrosion inhibition system and an inorganic thickener. **PX3-508** contains special extreme pressure and anti-wear additives and combined with a base oil of very high film strength, displays excellent lubricating properties. The special texture provides maximum adhesion to all metal surfaces even when subjected to very high pressures.

### Advantages:

- Contains no solvents or clay fillers — will not dry out or harden
- Broad Serviceability Range — almost a universal lubricant/sealant
- Keeps valves operating free and allows for better adjustment
- Works wonders in both old and new valves
- Cuts down time and triples life of valve

### Resistance:

• 20% frac acid (HCl) • Crude oil, natural gas and condensate • Diesel fuel • Drilling muds • H<sub>2</sub>S and CO<sub>2</sub> • Produced sand • Salt water/brines • Steam

### Usage:

**PX3-508** is designed for use in all lubricated valves in hydrocarbon, LPG, aromatics, natural gas, aqueous solutions, acids, caustics, general high temperature and many other services.

**CAUTION:** **PX3-508** is not for oxygen use.

### Compatible with:

- **ATLANTIC 1** (ATLANTIC™ VALVE CHEAT-HER)
- **RS CLARE 601**

### Technical data:

Specifications	Methods	Value
Base oil type		Synthetic oil
Thickener type		Synthetic
Dropping Point	ASTM D566	Without drop
Texture		Tenacious and smooth
Penetration	at 25°C	265-295
4-Ball Weld Load		>620kg
Minimum service temperature		-20 °C
Maximum service temperature		370 °C
Color		Black



### **PX3 LUBRICATION - IRAN**

**Phone:** (+98) 8645283020

**Phone:** (+98) 9194365681

**Phone:** (+98) 9125343599

**Fax:** (+98) 8645283020

**Email:** petrolubs@gmail.com

### **PX3 LUBRICATION - EU**

**Phone:** (+36) 30 7935015

**Email:** info@px3lube.com



# PX3 - 511

Lubricants are our specialty. PX3 lubrication" has more than 10 years experience of manufacturing and supplying lubricants in Iran.

PX3 lubrication" is one of the most trusted brands in Iran along with world's latest technology has steady efforts in progressing and innovation.

## Fully synthetic valve grease

### Lubrication of industrial valves under extreme pressure

#### Advantages and benefits:

**PX3/510 Valve lubricant** provides an insoluble film of lubricant to protect seal faces and reduce torque requirements. Microscopic particles of PTFE will seal minor scratches to sealing surfaces and shallow corrosion pits. Seals scratches up to 0.010" and nicks and cuts on soft seats.

Designed specifically as an all-purpose seat lubricant/ sealant to extend the maintenance interval in severe service and critical service valves. PX3/510 is insoluble in water, oil, natural gas and related by-products. Suitable for sour service valves.

#### Applications:

Recommended for use in ball, gate, and plug valves as well as orifice fittings. Use at refineries, wellheads, pump or compressor stations and in gas distribution systems.

#### Other properties:

- Resistance to water
- Low temperature resistance
- No melting point
- Compatible with **Sealweld Total-Lube #911**

#### Technical data:

Specifications	Methods	Conditions	Unit	Value
Base oil type				Synthetic oil
Pressure			PSI	10.000
Thickener type				Inorganic
Composition				Semi - liquid
Dropping Point	ASTM D566		°C	Without drop
Penetration	ASTM D217	60X	mm/10	170-250
Minimum service temperature			-28 °C	
Maximum service temperature			230 °C	
Color			White	

#### **PX3 LUBRICATION - IRAN**

**Phone:** (+98) 8645283020

**Phone:** (+98) 9194365681

**Phone:** (+98) 9125343599

**Fax:** (+98) 8645283020

**Email:** petrolubs@gmail.com

#### **PX3 LUBRICATION - EU**

**Phone:** (+36) 30 7935015

**Email:** info@px3lube.com



# PX3- 601

Lubricants are our specialty. PX3 lubrication" has more than 10 years experience of manufacturing and supplying lubricants in Iran.

PX3 lubrication" is one of the most trusted brands in Iran along with world's latest technology has steady efforts in progressing and innovation.

## Conductive grease

For metal/metal contacts within electrical fields

### Advantages and benefits:

**PX3/601** is a Calcium based electrically conductive grease, including especially low carbon grease for superior channeling ability.

Electrically conductive **PX3/601** grease can provide a very economical, low maintenance electrical path to ground through the bearings.

### Applications:

For metal/metal combinations that are subjected to high temperatures and frictional contact which, typically for bolted joints, are free from lead or nickel.

Suitable for lubrication points with low speeds, subjected to high temperatures and corrosive effects, and also require a low and constant coefficient of friction. As a contact lubricant for electrically conducting components.

Used successfully for stud bolts of gas and steam turbines, stud bolts of turbochargers of diesel engines, flanged connections in chemical and petrochemical plants.

### Technical data:

Specifications	Methods	Conditions	Unit	Value
Viscosity	din 51 562-1	25 °C	mm <sup>2</sup> /s	100.000
Base oil Type				ester
Pour point	DIN ISO 3016	3°C step	°C	-40
Thickener Type				Calcium soap
Consistency	DIN 51 818	DIN ISO 2137	NLGI- class	1-2-3
Worked penetration	DIN ISO 2137	60 Dh	0,1 mm	310 – 340 <b>NLGI 1</b> 265 – 295 <b>NLGI 2</b> 220 – 250 <b>NLGI 3</b>
Density @ 20°C	ISO 2811		g/ml	1.4
Drop point	ISO 2176		°C	185 <b>NLGI 1</b> 190 <b>NLGI 2</b> 190 <b>NLGI 3</b>
Electrically conductivity	DIN IEC 247	at 23°C	Ohm-1 cm-1	2.27 x 10 <sup>8</sup>
Minimum service temperature		-30 °C		
Maximum service temperature		100 °C		
Color		copper		

### **PX3 LUBRICATION - IRAN**

Phone: (+98) 8645283020

Phone: (+98) 9194365681

Phone: (+98) 9125343599

Fax: (+98) 8645283020

Email: petrolubs@gmail.com

### **PX3 LUBRICATION - EU**

Phone: (+36) 30 7935015

Email: info@px3lube.com





# PX3-602

Lubricants are our specialty. PX3 lubrication" has more than 10 years experience of manufacturing and supplying lubricants in Iran.

PX3 lubrication" is one of the most trusted brands in Iran along with world's latest technology has steady efforts in progressing and innovation.

## Protection grease for overhead line conductors

### Advantages and benefits:

**PX3-602** is a protecting grease produced from a mixture of inorganic thickener and mineral oils. It meets the requirements of the EN 50326 standard, so it is compliant with all expectations about protecting materials in the EU. It can be used during manufacturing and storing overhead conductors. **PX3-602** is a soft, brown colored lubricating grease. It does not need to be warmed during its use.

- Extremely long lifetime
- Excellent tackiness
- Excellent wear protection
- Excellent static water resistance
- Low coefficient of friction
- Exceptional thermal and oxidation stability
- Excellent corrosion protection in salt-water environment

### Applications:

- Manufacturing of aluminum or aluminum alloy overhead power lines
- Manufacturing of steel or steel alloy overhead power lines
- Overhead power lines on coastal regions

### Technical data:

Specifications	Methods	Conditions	Unit	Value
Corrosion test on plates				min 8
Corrosion test on wires				adequate
Low temperature adherence		-20°C/1h		adequate
Oil separation		110°C/1h	mass %	0
Consistency	DIN 51 818	DIN ISO 2137	NLGI- class	2-3
Worked penetration	DIN ISO 2137	60 strokes at 25 °C	0,1 mm	260
Density	ISO 2811	@ 25°C	g/cm3	0.895
Drop point	ISO 2176		°C	>240
Appearance	Homogenous			
Minimum service temperature	-20 °C			
Maximum service temperature	100 °C			
Color	Brown			

### **PX3 LUBRICATION - IRAN**

Phone: (+98) 8645283020

Phone: (+98) 9194365681

Phone: (+98) 9125343599

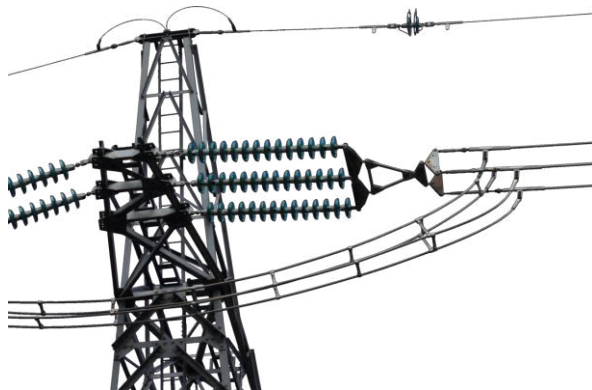
Fax: (+98) 8645283020

Email: petrolubs@gmail.com

### **PX3 LUBRICATION - EU**

Phone: (+36) 30 7935015

Email: info@px3lube.com



# PX3- 701

Lubricants are our specialty. PX3 lubrication" has more than 10 years experience of manufacturing and supplying lubricants in Iran.

PX3 lubrication" is one of the most trusted brands in Iran along with world's latest technology has steady efforts in progressing and innovation.

## Food grade multipurpose grease

**Lubrication of bearings, fittings, seals and plastic parts under wide temperature range**

### Advantages and benefits:

**PX3/701** Calcium based food grade grease for bearings, fittings, seals and plastic parts.

- Very good conveying capability in central lubricating systems also at low temperatures
- Low-viscosity, Organic base oil ensures the functionality of the lubricating grease for food processing technology.

### Applications

- Grease lubrication of friction and rolling bearings at low operating temperatures
- Grease lubrication of friction and rolling bearings at high speeds
- Grease lubrication of bearings with low coasting moments or low bearing play

### Technical data:

Specifications	Methods	Conditions	Unit	Value
Base oil viscosity	din 51 562-1	40°C	mm <sup>2</sup> /s	30
Base oil type				Organic
Pour point	DIN ISO 3016	3°C step	°C	< -40
Thickener type				Calcium complex soap
Consistency	DIN 51 818	DIN ISO 2137	NLGI- class	1-2
Worked penetration	DIN ISO 2137	60 cycles	0.1 mm	310 – 340 <b>NLGI 1</b> 265 – 295 <b>NLGI 2</b>
Density	DIN EN ISO 3838	20°C	g/cm <sup>3</sup>	0.9
Drop point	DIN ISO 2176		°C	> 220
Water resistance	DIN 51 807-1	3 h / 90°C	Degree 0 - 3	1
Minimum service temperature		-30°C		
Maximum service temperature		200 °C		
Color		White – light brown		

### **PX3 LUBRICATION - IRAN**

**Phone:** (+98) 8645283020

**Phone:** (+98) 9194365681

**Phone:** (+98) 9125343599

**Fax:** (+98) 8645283020

**Email:** petrolubs@gmail.com

### **PX3 LUBRICATION - EU**

**Phone:** (+36) 30 7935015

**Email:** info@px3lube.com



# PX3 AERO GREASE 801

Lubricants are our specialty. PX3 lubrication" has more than 10 years experience of manufacturing and supplying lubricants in Iran.

PX3 lubrication" is one of the most trusted brands in Iran along with world's latest technology has steady efforts in progressing and innovation.

## Non-soap Premium Aero grease

### Heavy load, High speed, wide temperature range

#### Advantages and benefits:

**PX3 AERO GREASE 801** is a versatile advanced general purpose grease composed of a synthetic hydrocarbon oil and non-soap thickener, with outstanding performance characteristics. Appropriate additives are included to achieve the necessary oxidation and corrosion resistance, anti-wear properties and load carrying properties. The useful operating temperature range is -65°C to +204°C.

#### Applications:

**PX3-801** is especially recommended for use wherever severe operating conditions are encountered as in high bearing loads, high speeds, wide operating temperature range, and particularly where long grease retention and high resistance to water washout are required.

The wide range of applications include aircraft wheel bearings, engine accessories, control systems, actuators, screw-jacks, servo mechanisms and electric motors, helicopter rotor bearings, instruments, airframe lubrication, hinge pins, static joints, landing gears.

#### Technical data:

SPECIFICATIONS	Conditions	Methods	Unit	Value	MIL-PRF-81322 G limit
Appearance		visual		homogeneous, smooth grease	homogeneous, smooth grease
Colour				Beige	-
Dropping point		ASTM D 566	°C	265	min. 232
Worked penetration	After 60 strokes After 100 000 strokes	ASTM D 217 FTM-S-791-313	1/10 mm	276 330	265 - 320 max. 350
Evaporation loss	22 h at 177°C	ASTM D 2595	%w	4.9	max. 10.0
Oil separation	30 h at 177°C	ASTM D 6184	%w	5.1	2.0 - 8.0
Oxidation resistance	at 100°C, after 100h / 500h	ASTM D 942	kPa	21 / 63	max. 83 / max 172
Copper corrosion	24h at 100°C	ASTM D 4048		1a	max. 1b
Load carrying capacity			daN	36	min. 30.0
Water washout	at 38°C	ASTM D 1264	%w	2.0	max 20
Bearing corrosion test		ASTM D 1743		pass	no corrosion

#### **PX3 LUBRICATION - IRAN**

Phone: (+98) 8645283020

Phone: (+98) 9194365681

Phone: (+98) 9125343599

Fax: (+98) 8645283020

Email: petrolubs@gmail.com

#### **PX3 LUBRICATION - EU**

Phone: (+36) 30 7935015

Email: info@px3lube.com



# PX3 AERO GREASE 802

Lubricants are our specialty. PX3 lubrication" has more than 10 years experience of manufacturing and supplying lubricants in Iran.

PX3 lubrication" is one of the most trusted brands in Iran along with world's latest technology has steady efforts in progressing and innovation.

## Non-soap multipurpose grease

### General purpose grease for aircrafts

#### Advantages and benefits:

**PX3 AERO GREASE 802** is a general purpose grease composed of mineral oil and non-soap thickener, possessing good all-round properties within a limited range. It is inhibited against oxidation and corrosion and has good water resistance and low noise capability.

The useful operating temperature range is  $-50^{\circ}\text{C}$  to  $+122^{\circ}\text{C}$ .

#### Applications:

**PX3-802** is a general purpose airframe grease for use in antifriction bearings, gearboxes and plain bearings Within the temperature range of  $-40^{\circ}\text{C}$  to  $+121^{\circ}\text{C}$ .

#### Technical data:

SPECIFICATIONS	Conditions	Methods	Unit	Value	MIL-PRF-24139A limit
Base oil type				mineral	Mineral
Colour				Beige	-
Dropping point		ASTM D 566	$^{\circ}\text{C}$	260	min. 149
Worked penetration	After 60 strokes After 100 000 strokes	ASTM D 217 FTM-S-791-313	1/10 mm	276 330	265 - 320 Max. 350
Evaporation loss	22 h at $177^{\circ}\text{C}$	ASTM D 2595	%w	4.9	Max. 10.0
Oil separation	30 h at $100^{\circ}\text{C}$	ASTM D 6184	%m	0.7	-
Copper corrosion	24h at $100^{\circ}\text{C}$	ASTM D 4048		passes	Must pass
Water washout	at $38^{\circ}\text{C}$	ASTM D 1264	%w	5.0	Max 5
Bearing protection	2 days @ $51^{\circ}\text{C}$			passes	Must pass
Bomb oxidation pressure drop	100hrs @ $99^{\circ}\text{C}$ 500hrs @ $99^{\circ}\text{C}$		lb/in <sup>2</sup>	9 15	Max 10 Max 25

#### **PX3 LUBRICATION - IRAN**

Phone: (+98) 8645283020

Phone: (+98) 9194365681

Phone: (+98) 9125343599

Fax: (+98) 8645283020

Email: petrolubs@gmail.com

#### **PX3 LUBRICATION - EU**

Phone: (+36) 30 7935015

Email: info@px3lube.com





# PX3 AERO GREASE 803

Lubricants are our specialty. PX3 lubrication" has more than 10 years experience of manufacturing and supplying lubricants in Iran.

PX3 lubrication" is one of the most trusted brands in Iran along with world's latest technology has steady efforts in progressing and innovation.

## Non-soap multipurpose grease General purpose grease for Helicopters

### Advantages and benefits:

**PX3 AERO GREASE 803** is a helicopter multi-purpose grease composed of a mineral oil and non soap thickener, possessing outstanding anti-fret and anti-moisture corrosion properties. It is oxidation and corrosion inhibited. The useful operating temperature range is -50°C to +122°C.

### Applications:

**PX3-803** is the leading helicopter multi-purpose grease and is approved by all helicopter manufacturers. Owing to its anti-fret properties, **PX3-803** is particularly suitable for the lubrication of helicopter main and tail rotor bearings, splines, etc.

### Technical data:

Specifications			MIL-G-25537C	Typical
Oil type			-	Mineral
Thickener type			-	Calcium soap
Useful operating temperature range		°C	-	-50 to +93
Drop point		°C	140 min	148
Worked penetration	@25°C		265 to 305	273
Unworked penetration	@25°C		200 min	269
Bomb oxidation pressure drop 100 hrs	@99°C	MPa	0.0345 max	0.0207
Bomb oxidation pressure drop 400 hrs	@99°C	MPa	0.1378 max	0.0689
Oil separation 30 hrs	@100°C	% m	5.0 max	1.5
Water resistance test loss		% m	-	7.2
Evaporation loss 22 hrs	@100°C	% m	7.0 max	5.6
Antifriction bearing performance	@93°C	hrs	-	1700+
Copper corrosion 24 hrs	@100°C		Must pass	Passes
Bearing protection 2 days	@52°C		Must pass	Passes
Color			-	Light brown

### **PX3 LUBRICATION - IRAN**

**Phone:** (+98) 8645283020

**Phone:** (+98) 9194365681

**Phone:** (+98) 9125343599

**Fax:** (+98) 8645283020

**Email:** petrolubs@gmail.com

### **PX3 LUBRICATION - EU**

**Phone:** (+36) 30 7935015

**Email:** info@px3lube.com



# PX3 - 901

Lubricants are our specialty. PX3 lubrication" has more than 10 years experience of manufacturing and supplying lubricants in Iran.

PX3 lubrication" is one of the most trusted brands in Iran along with world's latest technology has steady efforts in progressing and innovation.

## BENTON multipurpose grease

### NON-SOAP GREASE FOR EXTREMELY HIGH TEMPERATURE APPLICATIONS

#### Advantages and benefits:

BENTONE GREASE is formulated from a special blend of high viscosity solvent refined paraffin base oil thickened with a bentonite clay. This non-soap grease is recommended for extremely high temperature applications. Unlike normal greases, Benton greases retain their consistency under increasing temperatures.

#### Features:

- High temperature protection – up to 500° F.
- Water resistant.
- Oxidation inhibited for long service.
- Highly resistant to change in consistency with temperatures.
- Adhesive to metal surfaces and bearings.

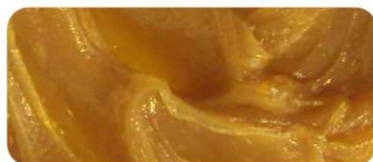
#### Applications:

Recommended for use in kiln car wheel bearings, furnace door bearings, heat exchange motor bearings, oven conveyor bearings and other applications where extremely high temperatures are encountered.

BENTONE GREASES ARE NOT COMPATIBLE WITH OTHER GREASES AND CANNOT BE MIXED. FORMER SOAP TYPE GREASES MUST BE REMOVED AND BEARING THOROUGHLY CLEANED BEFORE CHANGING OVER TO BENTONE TYPE GREASES.

#### Technical data:

Color	Cream
NLGI Consistency	2 - 3
Thickener	Bentonite
Base Oil	Solvent refined mineral oil
Base Oil Viscosity @ 40 oC (cSt)	110
Worked Penetration / DIN ISO 2137 / 60 Dh / 0,1 mm	265 – 295 NLGI 2 220 – 250 NLGI 3
Dropping Point °C	none
Oil Separation (%)	2
Water Washout @ 38 oC (%)	5
Operating Temperature Range °C	-20 to +220



#### **PX3 LUBRICATION - IRAN**

**Phone:** (+98) 8645283020

**Phone:** (+98) 9194365681

**Phone:** (+98) 9125343599

**Fax:** (+98) 8645283020

**Email:** petrolubs@gmail.com

#### **PX3 LUBRICATION - EU**

**Phone:** (+36) 30 7935015

**Email:** info@px3lube.com



# PX3 - CHASSIS

Lubricants are our specialty. PX3 lubrication" has more than 10 years experience of manufacturing and supplying lubricants in Iran.

PX3 lubrication" is one of the most trusted brands in Iran along with world's latest technology has steady efforts in progressing and innovation.

## Calcium grease

**Calcium based grease for general uses under normal temperature**

### Advantages and benefits:

**PX3 CHASSIS grease** is a semi-fluid chassis grease that has been developed to be used via lubrication systems under low to medium temperatures.

Its anhydrous calcium thickener, combined with a high base oil viscosity, offers excellent water resistance and stickiness to surfaces as well as very good anti-wear properties.

- Excellent pumpability at low to medium temperatures.
- Excellent water resistance and corrosion protection.
- Excellent anti-wear properties.
- Excellent adhesion to surfaces.

### Applications:

- Construction equipment.
- Heavy duty off-road applications such as excavators, wheel loaders, etc.
- Forestry and agricultural equipment such as forwarders and harvesters.
- Collector trucks.
- Joints.
- Slow plain and rolling bearings.

### Technical data:

Specifications	Methods	Conditions	Unit	Value
Base oil viscosity	ASTM D445	40 °C	cSt	73 ~ 85
Base oil type				Mineral oil
Thickener type				Calcium soap
Consistency	DIN 51 818	DIN ISO 2137	NLGI- class	2-3
Worked penetration	ASTM D217	60 Dh	mm/10	265 - 295 <b>NLGI2</b>
	ASTM D217	60 Dh	mm/10	220 - 250 <b>NLGI3</b>
Dropping Point	ASTM D566		°C	95
Minimum service temperature		-20 °C		
Maximum service temperature		80 °C		
Color		Dark brown		

### **PX3 LUBRICATION - IRAN**

**Phone:** (+98) 8645283020

**Phone:** (+98) 9194365681

**Phone:** (+98) 9125343599

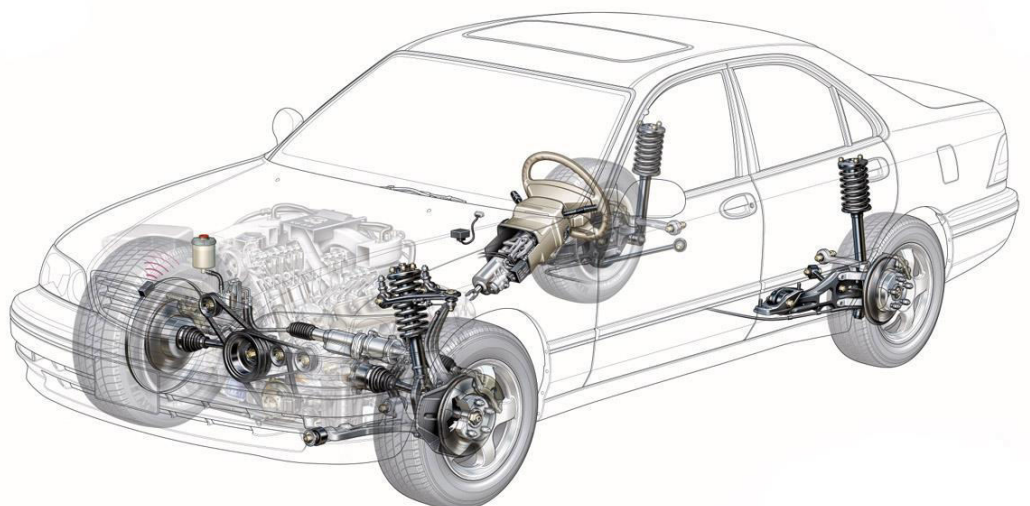
**Fax:** (+98) 8645283020

**Email:** petrolubs@gmail.com

### **PX3 LUBRICATION - EU**

**Phone:** (+36) 30 7935015

**Email:** info@px3lube.com



# PX3 - EPB

Lubricants are our specialty. PX3 lubrication" has more than 10 years experience of manufacturing and supplying lubricants in Iran.

PX3 lubrication" is one of the most trusted brands in Iran along with world's latest technology has steady efforts in progressing and innovation.

## Multi-purpose EP2 grease for Tunnel Boring Machines (TBM)

### Advantages and benefits:

PX3/EPB is a highly biodegradable multi-purpose calcium thickened EP2 grade grease designed for main bearing lubrication, as a screw conveyor drive assembly grease and as a rotary swivel grease.

### Properties:

- Contains antioxidants, corrosion inhibitors and EP/AW additives.
- Offers good mechanical stability, load carrying capacity and corrosion protection, which makes it suitable for loaded bearings as well as wet environments.
- High quality multipurpose grease suitable for a wide range of plain and rolling bearings.
- Highly biodegradable and based on renewable raw materials.

### Technical data:

SPECIFICATIONS	Methods	Conditions	Unit	Value
Form				Homogenous paste
Color				Light brown
Base oil type				Vegetable oil
NLGI Grade				2
Consistency	ISO 2137		[1/10 mm]	265-295
Density	ASTM D217	20°C	[kg/m <sup>3</sup> ]	Approx. 930
4-ball wear	DIN 51350:5		[mm]	0.5
4 ball weld load	DIN 51350:4		N	2800 N
Water resistance	DIN 51807/1			0-90
Water wash out	ISO 11009	(1h 80°C)		5%
Biodegradation	OECD 301 B			> 90%
Base oil viscosity	ISO 12058	(40°C)	mm <sup>2</sup> /s	130 mm <sup>2</sup> /s
Base oil viscosity	ISO 12058	(100°C)	mm <sup>2</sup> /s	24 mm <sup>2</sup> /s

### Storage:

PX3/EPB should be stored at 5 - 35°C. If stored in original tightly closed drums it has a shelf life of 12 months.

### **PX3 LUBRICATION - IRAN**

Phone: (+98) 8645283020

Phone: (+98) 9194365681

Phone: (+98) 9125343599

Fax: (+98) 8645283020

Email: petrolubs@gmail.com

### **PX3 LUBRICATION - EU**

Phone: (+36) 30 7935015

Email: info@px3lube.com





# PX3 - H.S.G

Lubricants are our specialty. PX3 lubrication" has more than 10 years experience of manufacturing and supplying lubricants in Iran.

PX3 lubrication" is one of the most trusted brands in Iran along with world's latest technology has steady efforts in progressing and innovation.

## HEAD SEAL GREASE for Tunnel Boring Machines (TBM)

### Advantages and benefits:

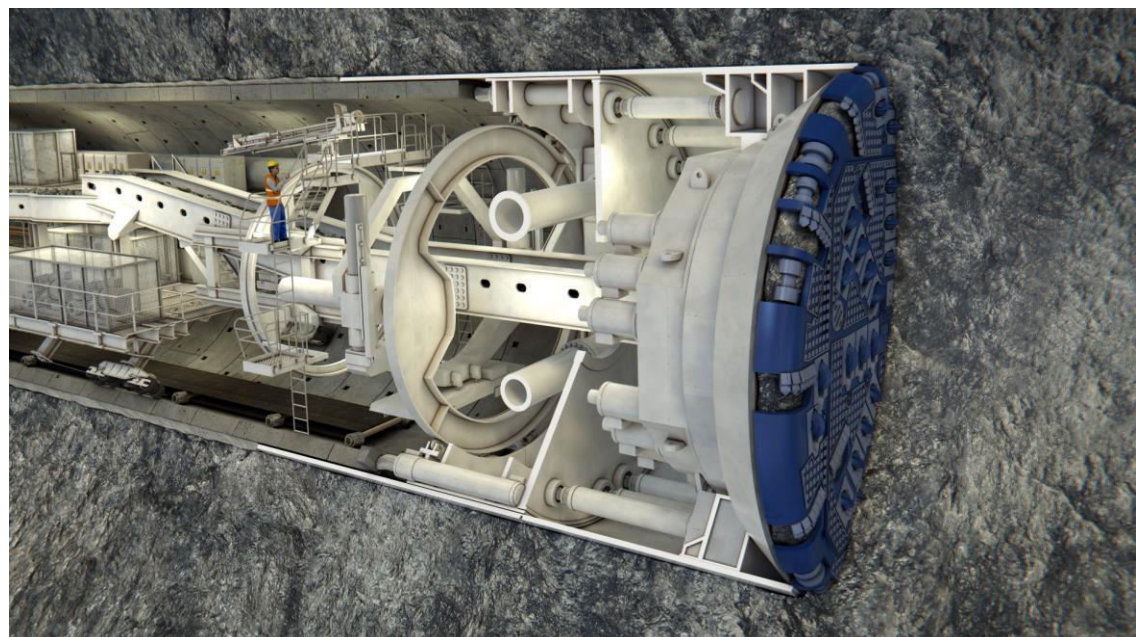
PX3/H.S.G is an excluder grease for tunnel boring machines. It effectively protects the main bearing and prevents soil, water or dust ingress into the main bearing sealing. It is formulated to resist high water and ground pressures, has excellent lubrication and pumping properties as well as adhesion to all surfaces. It is highly biodegradable and based on renewable raw materials.

### Properties:

- Excellent sealing and anti-washout properties
- Excellent adhesion to any metal or concrete surfaces
- Excellent pumping and lubricating properties
- 'Bio-grease': entirely based on renewable and natural raw materials

### Technical data:

Minimum service temperature	-30 °C
Maximum service temperature	200 °C
Color	<b>Black</b>
Density [kg/m <sup>3</sup> ] 20°C	<b>1200 ± 50</b>
4-ball wear DIN 51350:5 [mm]	< 0.9
Water wash out (38°C) ISO 11009 [%]	< 5
Water spray off (38°C) ASTM D4049 [%]	< 7
Water resistance DIN 51807/1	0
Flash point (base oil)	> 285°C
Biodegradation (base oil) CEC-L-33-A-93	> <b>90%</b>



### **PX3 LUBRICATION - IRAN**

**Phone:** (+98) 8645283020

**Phone:** (+98) 9194365681

**Phone:** (+98) 9125343599

**Fax:** (+98) 8645283020

**Email:** petrolubs@gmail.com

### **PX3 LUBRICATION - EU**

**Phone:** (+36) 30 7935015

**Email:** info@px3lube.com



# PX3 – T.S.G

Lubricants are our specialty. PX3 lubrication" has more than 10 years experience of manufacturing and supplying lubricants in Iran.

PX3 lubrication" is one of the most trusted brands in Iran along with world's latest technology has steady efforts in progressing and innovation.

## TAIL SEAL GREASE for Tunnel Boring Machine (TBM)

### Advantages and benefits:

**PX3/T.S.G** is a sealing that, thanks to its consistency, is easily pump able. Thanks to its consistency, this Grease does not decompose under the effect of elevated mechanical pressures that can be met during mechanized tunneling and thanks to its lubricating property; it has a conservative effect on the tail brushes. Moreover, the product heat resistance decreases the risk of the flame generation in the tunnel.

### Applications:

- More Eco-friendly components anticipating future specifications.
- Biodegradability keeping pace with OECD regulations.
- Higher level of safety thanks to its fire resistance properties.
- High water wash-out resistance.

### Technical data:

Minimum service temperature	-30 °C
Maximum service temperature	200 °C
Color	Cream White (Inorganic) <b>Light Brown (ORGANIC)</b>
Density [kg/m3] 20°C :	<b>1400 ± 10</b>
Consistency (ASTM D217-97) (1/10 mm):	250 ± 10 at +25°C
Flash Point (ASTM D92) (°C):	> 190
Pompable properties (g/min):	40-50
Wash out test (ASTM D 971) (%):	< 7
Water spray off (ASTM D 4049) (%):	2.28
Storage:	18 months, in its original packaging
Volatility (ASTM D 972) (%):	< 3



### **PX3 LUBRICATION - IRAN**

**Phone:** (+98) 8645283020

**Phone:** (+98) 9194365681

**Phone:** (+98) 9125343599

**Fax:** (+98) 8645283020

**Email:** petrolubs@gmail.com

### **PX3 LUBRICATION - EU**

**Phone:** (+36) 30 7935015

**Email:** info@px3lube.com





# PX3 – VALVE CLEANER

Lubricants are our specialty. PX3 lubrication" has more than 10 years experience of manufacturing and supplying lubricants in Iran.

PX3 lubrication" is one of the most trusted brands in Iran along with world's latest technology has steady efforts in progressing and innovation.

## DESCRIPTION

PX3 VALVE PURGE is an especially formulated product designed to clean and free stuck or chronic hard to operate valves. PX3 VALVE PURGE contains molybdenum disulfide and graphite compounded in a synthetic grease base and utilizing a non-ozone depleting solvent to aid in pumpability.

## USAGE

PX3 VALVE PURGE can be used in most all types of valves; plug, gate or ball. It works as an anti-seize, penetrant and lubricant that dissolves harmful residue and unwanted build-ups. PX3 VALVE PURGE is not for oxygen use.

## ADVANTAGES

PX3 VALVE PURGE prevents costly down time, greatly reduces repair and maintenance costs and extends valve life to its maximum. It also increases operating efficiency to its highest level. Note: PX3 VALVE PURGE is not recommended as a lubricant or sealant. PX3 VALVE PURGE should be used once the valve is operating freely. Also, for best results, move valve while injecting VALVE PURGE.

## TYPICAL SPECIFICATIONS

Color: Black

Texture: Tenacious and Smooth

Service Temperature: 0 F to 600 F

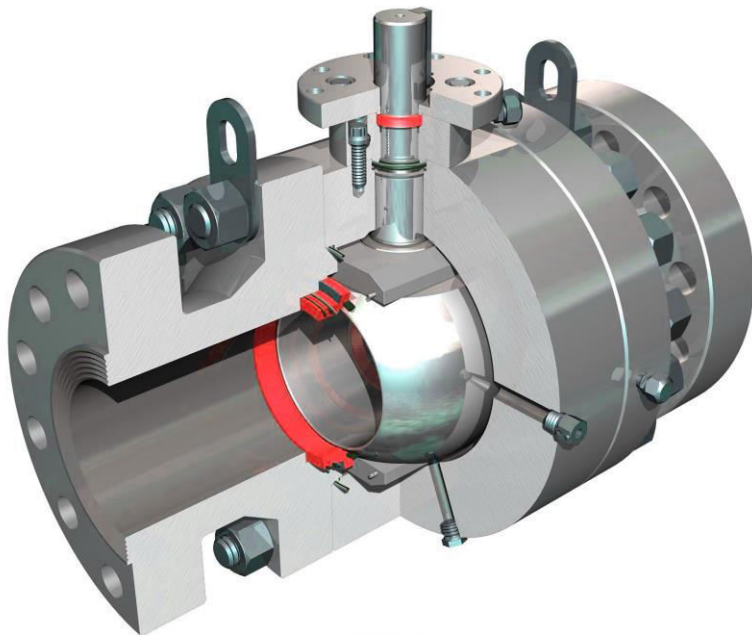
Dropping Point: None

Base Oils: Synthetic

Thickener: Synthetic

Special Additives: Molybdenum Disulfide, Graphite

**PACKAGE AVAILABILITY: 35 lbs**



## **PX3 LUBRICATION - IRAN**

**Phone:** (+98) 8645283020

**Phone:** (+98) 9194365681

**Phone:** (+98) 9125343599

**Fax:** (+98) 8645283020

**Email:** petrolubs@gmail.com

## **PX3 LUBRICATION - EU**

**Phone:** (+36) 30 7935015

**Email:** info@px3lube.com

