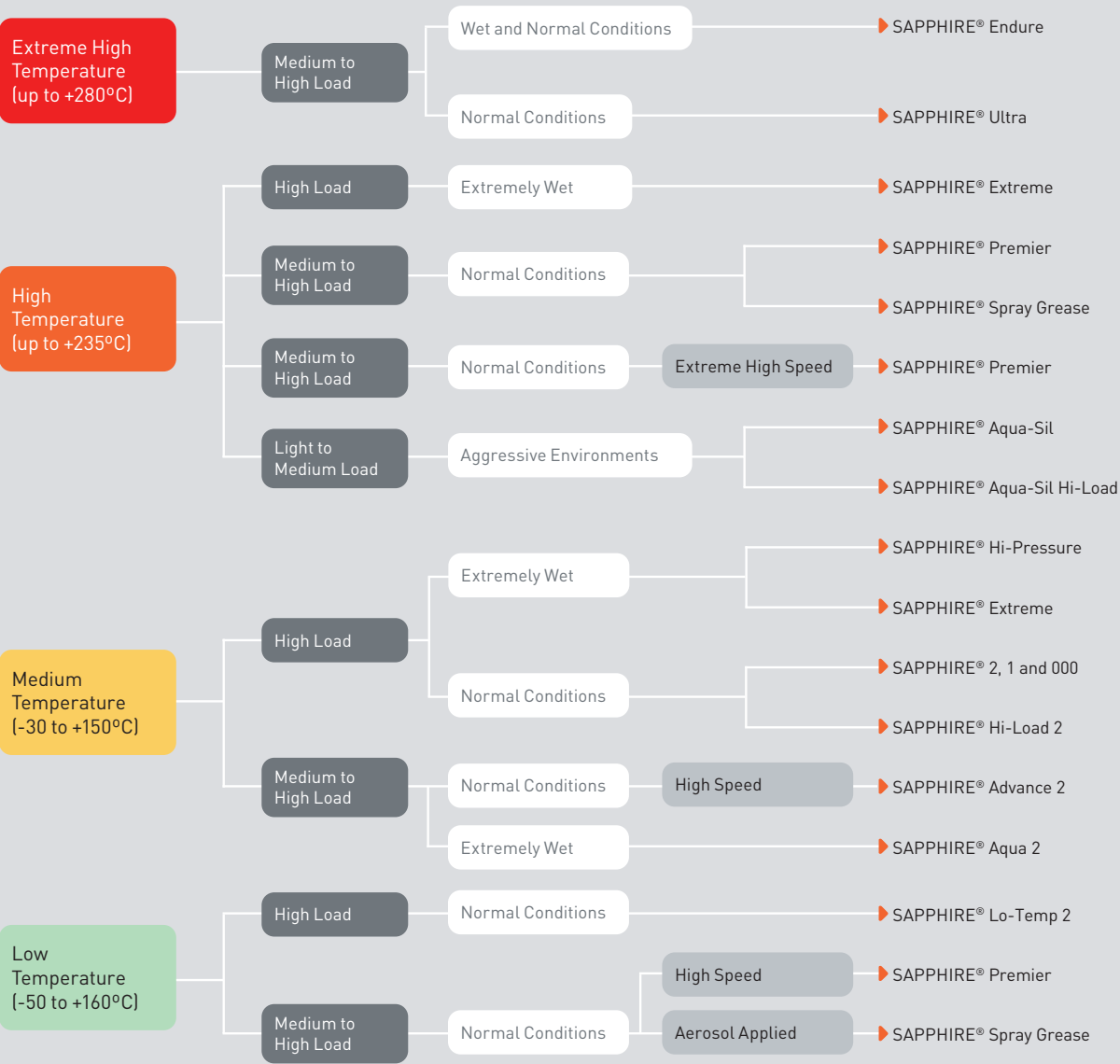


Bearing Greases

This selection chart has been designed to help you choose the correct bearing grease for your application.



The Rocol® SAPHIRE® bearing grease range provides effective long term lubrication to meet the ever-increasing needs of today's production environment.

All SAPHIRE® products are designed to accommodate a multitude of industrial operating conditions and provide manufacturers with high-performance lubricants suitable to all bearing types, developed to extend bearing life and provide superior corrosion protection.

SAPHIRE® 2 / 1 / 000

Heavy-duty bearing greases designed to lubricate and protect all types of ball, roller and plain bearings. Lasts three times as long as standard soap-based lubricants and is highly effective on cost.

- ▶ Highly resistant to oxidation providing greatly extended lubrication intervals
- ▶ Excellent corrosion resistance in humid, damp or wet conditions
- ▶ Highly tenacious lubricants with outstanding film strength that stays intact even in severe operating conditions
- ▶ Multi-complex soap technology enhances shear stability

SAPHIRE® 2	
Part Code	Size
12171	400g
12176	5kg
12175	18kg
12178	50kg
12179	185kg

SAPHIRE® 000	
Part Code	Size
12284	18kg

TEMP RANGE
-30°C to +150°C

SAPHIRE® 1	
Part Code	Size
12601	400g
12614	18kg
12609	185kg



SAPHIRE® Advance 2

Multi-purpose EP bearing grease fortified with PTFE for maximum bearing life. Effective in a range of applications operating at high speeds such as electric motors and fan bearings.

- ▶ Lithium complex soap technology with EP additives for outstanding high load performance
- ▶ Superior to standard soap-thickened lubricants
- ▶ Outstanding performance at high speed for most industrial applications
- ▶ PTFE reduces friction and stick-slip on start-up through more controlled movement

TEMP RANGE
-30°C to +160°C

Part Code	Size
12411	380g
12446	18kg



SAPPHIRE® Spray Grease

Multi-purpose EP grease fortified with PTFE to reduce friction and stick-slip at start-up, in an easy-to-apply aerosol.

- ▶ Provides excellent protection for components at low temperatures and in extreme sub-zero conditions
- ▶ Lithium complex soap technology with EP additives gives outstanding high load performance
- ▶ Fully synthetic base oil leaves minimal residues even at elevated temperatures
- ▶ Highly resistant to oxidation and protects over extended intervals to reduce lubricant usage and equipment failure
- ▶ Excellent corrosion resistance in humid, damp or wet conditions

TEMP RANGE	
-50°C to +200°C	
Part Code	Size
34305	400ml



SAPPHIRE® Premier

Multi-purpose EP bearing grease fortified with PTFE for maximum bearing life, ideal for use in low or high temperatures and at high speeds.

- ▶ Fully synthetic base oil leaves minimal residues even at elevated temperatures
- ▶ Effective in a range of applications and as an electrical contact grease
- ▶ PTFE reduces friction and stick-slip on start-up through more controlled movement
- ▶ Outstanding performance at high-speed for most industry applications (dmN factor 500,000)

TEMP RANGE	
-50°C to +200°C	
Part Code	Size
12471	380g
12475	4kg
12474	18kg
12479	170kg



SAPPHIRE® Hi-Load 2

Long life, multi-purpose bearing grease fortified with molybdenum disulphide. Combines the triple life performance of SAPHIRE 2 with MoS₂, effective in the most extreme loadings where other grease films are squeezed out.

- ▶ High tenacity film with extreme durability that reduces frictional heat, wear and extends component life and lubrication intervals.
- ▶ Ideal for highly loaded applications where shock and vibration occur.
- ▶ Maintains integrity in extreme conditions and protects

TEMP RANGE	
-30°C to +150°C	
Part Code	Size
12761	400g
12765	5kg
12764	18kg



SAPPHIRE® Aqua 2

Multi-purpose water-resistant EP bearing grease ideal for applications operating in damp, humid, wet or water-submerged conditions.

- ▶ Aluminium complex soap technology for outstanding high load performance superior to standard soap-thickened lubricants
- ▶ Strong adhesive quality resists water wash-off, submergence and saltwater tidal flow
- ▶ Excellent corrosion resistance in humid, damp or wet conditions
- ▶ Resistance to oxidation over extended intervals, reducing lubricant usage and equipment failure

TEMP RANGE	
-20°C to +150°C	
Part Code	Size
12751	380g
12755	4kg
12754	18kg
12758	50kg

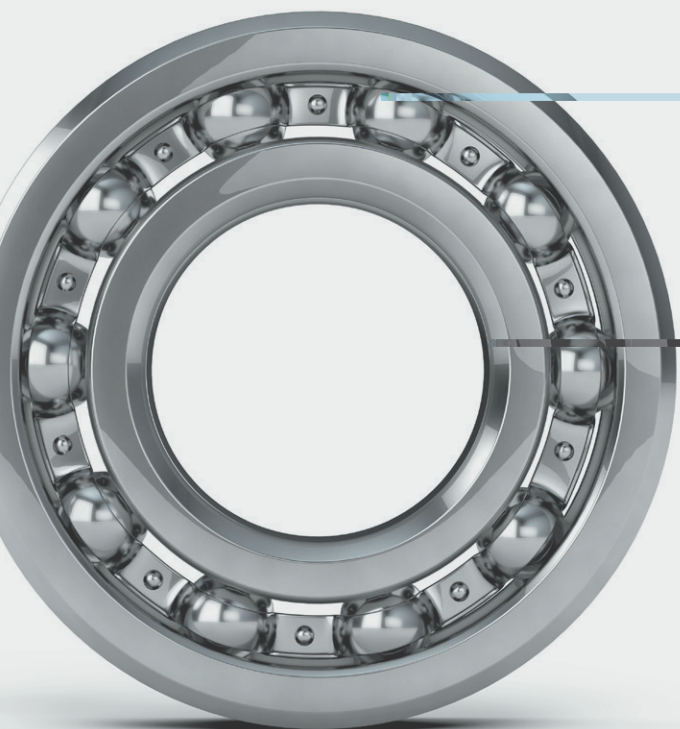


SAPPHIRE® Lo-Temp 2

Multi-complex, semi-synthetic grease formulated to perform at extremely low temperatures, ideal in cold stores and refrigerated areas.

- ▶ Excellent start-up and running torques reducing drag even at low temperatures
- ▶ Highly tenacious with outstanding film strength that stays intact in severe operating conditions
- ▶ Triple-life bearing grease ensures high performance over extended lubrication intervals

TEMP RANGE	
-50°C to +120°C	
Part Code	Size
12749	185kg



If you require help selecting a product, contact Rocol® on: **+44 (0) 113 232 2600**



SAPPHIRE® Hi-Pressure

High load plain bearing grease fortified with molybdenum disulphide for excellent temperature and water resistance.

- ▶ Highly-tenacious film with a low coefficient of friction effective on multiple surfaces including metal
- ▶ Extreme durability reduces frictional heat and wear with extended lubrication intervals
- ▶ Offers excellent corrosion resistance to protect in humid, damp and even wet conditions
- ▶ Ideal for highly loaded applications where shock and vibration occur

TEMP RANGE
-20°C to +150°C

Part Code	Size
12011	400g
12016	5kg
12024	18kg
12018	50kg



SAPPHIRE® Extreme

High load, high-temperature bearing grease combining MoS2 with a clay thickener, creating a film that lubricates effectively under extreme load where other grease films are squeezed out.

- ▶ Non-melting, organically-modified clay (Bentone) thickened grease fortified with molybdenum disulphide
- ▶ Excellent corrosion resistance, water-resistant and protects in humid, damp or wet conditions
- ▶ Ideal for highly loaded applications where shock and vibration occur
- ▶ Maintains integrity in extreme conditions over extended intervals, reducing lubricant usage and equipment failure

TEMP RANGE
-10°C to +235°C

Part Code	Size
12211	400g
12216	5kg
12214	18kg
12218	50kg



SAPPHIRE® Endure

High performance PFPE based EP lubricant fortified with PTFE.

- ▶ Oxygen-resistant, non-toxic lubricant with high oxidation and thermal resistance
- ▶ Used in chemically-aggressive systems with no detriment to rubbers, plastics or metals
- ▶ WRAS-approved for use in drinking water systems
- ▶ Outstanding EP performance with weld loads up to 620kg

TEMP RANGE
-25°C to +280°C

Part Code	Size
12330	100g
12331	700g
12334	1kg
12336	5kg
12337	18kg



SAPPHIRE® ULTRA

High Performance, Extreme Pressure (EP) PFPE Lubricant. Designed for use on anti-friction and plain bearings, small gears, slides, pins, valves, plungers and screws.

- ▶ Non-toxic lubricant with extremely high oxidation and thermal resistance
- ▶ Resistant to a wide range of chemicals
- ▶ Highly resistant to water and steam
- ▶ Exceptionally long service life providing extended lubrication intervals, reducing downtime and labour costs

TEMP RANGE
-25°C to +280°C

Part Code	Size
12339	900g
12340	700g



SAPPHIRE® Aqua-Sil

Highly resistant silicone grease for long term lubrication in wet environments.

- ▶ Outstanding resistance to chemicals, oils and gases superior to standard greases
- ▶ Excellent resistance to water and saltwater even in submerged conditions
- ▶ Approved for use in both hot and cold potable drinking water
- ▶ Suitable for use on most rubbers and plastics including assembly of rubber seals, tap washers and 'O' rings
- ▶ Extremely long wet life reducing re-lubrication intervals

TEMP RANGE
-40°C to +200°C

Part Code	Size
12251	85g
12253	500kg
12256	5kg



SAPPHIRE® Aqua-Sil Hi-Load

Highly resistant silicone grease, with molybdenum disulphide, for long term lubrication in wet environments.

- ▶ Excellent resistance to water and saltwater even in submerged conditions
- ▶ Approved for use in both hot and cold potable drinking water
- ▶ Suitable for use on most rubbers (not suitable for silicone rubber)
- ▶ Extremely long wet life reducing lubrication intervals
- ▶ High dielectric strength making it ideal for use as an electrical filling compound

TEMP RANGE
-40°C to +200°C

Part Code	Size
12263	500kg
12266	5kg



SAPPHIRE® UNILUBE

High performance lithium soap complex technology bearing grease with EP additives, including PTFE. Lubricates and protects of all types of ball, roller and plain bearings.

- ▶ Outstanding EP and high-speed performance on loads of 560kg
- ▶ Highly resistant to oxidation with extended lubrication intervals reducing frequency of applications and equipment failure
- ▶ Excellent corrosion resistance to protect in humid, damp and even wet conditions
- ▶ Superior to standard soap thickened lubricants
- ▶ Filled with SAPPHIRE Advance, it reduces manual labour and is ideal for hard to reach areas

TEMP RANGE
-30°C to +160°C

Part Code	Size
13012	125ml



SAPPHIRE® AUTOLUBE

High performance bearing grease designed for the effective lubrication and protection of all types of ball, roller and plain bearings.

- ▶ Lithium complex soap technology and EP additives superior to standard soap-thickened lubricants
- ▶ Resistance to oxidation over extended intervals, reducing lubricant usage and equipment failure
- ▶ Excellent corrosion resistance in humid, damp or wet conditions
- ▶ Extreme low coefficient of friction reduces stick-slip on start-up and smooth controlled movement

TEMP RANGE
-30°C to +160°C

Part Code	Size
12604	120ml
12600*	120ml

*refill only

