



SAPPHIRE 1

**Long life multi-purpose grease.
Designed for the effective lubrication and protection of all types of ball, roller and plain bearings. Particularly where improved pumpability is required**

FEATURES

- Ø Temperature range -30°C to 150°C
- Ø Outstanding EP performance ($>800\text{kg}$ weld load)
- Ø Revolutionary multi-complex soap technology
- Ø Greatly extended lubrication intervals
 - Ø typically 3 times longer than conventional soap thickened greases
- Ø Good corrosion resistance
- Ø Blue in colour for high visibility
- Ø Good pumpability

DIRECTIONS FOR USE

- Ø Apply manually or with a suitable applicator e.g. ROCOL grease gun. Sapphire 1 is also available in the ROCOL Autolube and Unilube formats
- Ø Compatible with other soap thickened greases. However, for best results, the previous lubricant should be removed prior to application.

Technical and Safety Data Sheets are available from:

Fax Back Facility : +44 (0)113 232 2770
Web Site : www.ocol.com
Customer Service : +44 (0)113 232 2700

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ROCOL Lubricants

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www.ocol.com

www.ocolshop.com

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The information in this publication is based on our experience and reports from customers. There are many factors outside our control or knowledge which affect the use and performance of our products, for which reason it is given without responsibility.

TECHNICAL DATA



SAPPHIRE 1

TECHNICAL DATA (typical values)

Appearance	Smooth, blue grease
NLGI No. (IP 50)(ASTM D217)	NLGI No. 1
Base type	Severely refined mineral oil
Thickener	Multi-complex soap technology
Temperature range	-30 ⁰ C to 150 ⁰ C
Base fluid viscosity at 40 ⁰ C	180 cSt
Base fluid viscosity at 100 ⁰ C	17 cSt
Shell 4 ball (IP 239)(ASTM D2596)	
Weld load	>800 kg
Mean hertz load	120 kg
Timken 'OK' Load (IP 326)(ASTM D2509)	60lb
Copper Corrosion test (IP 112)(ASTM D130)	1a
Corrosion test - Emscor (IP 220)	0:0
Water Washout Test (IP 215)(ASTM D1264)	2%
Storage	Storage temperature should be controlled to between 1 and 40 °C.
Pack sizes	400g, 5kg, 18kg, 50kg, 185kg, Autolube, Unilube

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