



Q° Series by Hexagon

Q° Series is the exclusive product line designed and manufactured for Hexagon Europe under its strict quality and performance requirements.

All Q° Series products provide high performance characteristics and are uniquely & exclusively supported by Hexagon's unmatched after sales service and support in combination with HAP Hexagon Analysis Programme.

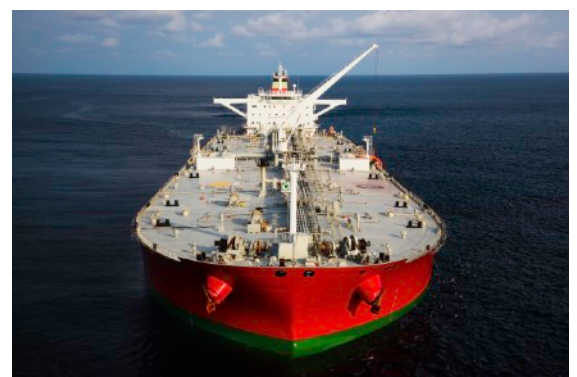
Q° Quantum® 5353, EAL - VGP Wire Rope Lubricant NLGI 1

Description

Q° Quantum® 5353, EAL - VGP Wire Rope Lubricant NLGI 1 is a special calcium-based grease. It is a readily biodegradable lubricant produced with a high percentage of sustainable non-toxic raw materials. It offers excellent protection against rust and corrosion and is particularly well-suited to withstand wet and corrosive environments. Q° Quantum® 5353, EAL - VGP Wire Rope Lubricant NLGI 1 is enriched with anti-wear oxidation-resistance and extreme pressure additives that ensure long service life. It is a tacky, stringy grease, designed to provide excellent adhesion to metallic surfaces. Its high dropping point ensures that the product remains in place even at elevated temperatures. It does not harden, whilst it will provide effective lubrication even at temperatures as low as -35 °C.

Applications

Q° Quantum® 5353, EAL - VGP Wire Rope Lubricant NLGI 1 is recommended as a special wire rope lubricant and is suitable for humid environments as well as high temperature applications (up to +90°C). It can also be used as an open gear lubricant, as well as a general-purpose grease for low temperature applications where an environmentally friendly lubricant is required.



Typical Data		
Q® Quantum® 5353	Method	
Soap Base		Calcium
Colour		Light Brown
Texture		Tacky / Semi-fluid
NLGI Grade		1
Worked Penetration at 25 °C, 1/10 mm	ASTM D-217	310 – 340
Dropping Point, °C min	ASTM D-2265	145
Base oil Viscosity at 40 °C, cSt	ASTM D-445	220
Viscosity Index		162
4-Ball Weld Load		250
Water washout, % wt	ASTM D-1264	2.7
Working Temperature, °C		- 35 to + 90
Salt Spray Corrosion Protection		No corrosion (pass) 24 hrs
Copper Corrosion Test (24 hrs @ 100°C)		1b
Oil Separation (24 hrs @ 100°C)		6.3% wt



Q[®] Quantum[®] 5353, EAL - VGP Wire Rope Lubricant NLGI 1

Health and Safety

This product range has been specially designed so as to have minimal effect on the environment

Biodegradability, OECD 301B	> 60%
Acute Toxicity 72 hrs, Algal OECD 201 [EC50]	> 1000 mg/l
Acute Toxicity 48 hrs, Daphnia OECD 202 [EC50]	> 1000 mg/l
Bioaccumulation, Partition Coefficient Log KOW OECD 117	< 3

Advantages

- Produced with sustainable base stocks
- Excellent resistance to water washing
- Excellent lubricity
- Effective rust protection and corrosion resistance
- Excellent adhesive properties
- Long lasting protection for wire ropes
- Reduces energy requirements of open gears
- Wide operating temperature range
- QTM Series Quantum 5353 EAL is a VGP Compliant lubricant



Method of Application

Q[®] Quantum[®] 5353, EAL - VGP Wire Rope Lubricant NLGI 1 is ideally applied with the use of **Viper[®]** Wire Rope Lubricator.

It can also be applied manually, or using a standard grease gun.

As with all greases when used for the first time, please check the compatibility with the grease applied previously and if necessary, purge the old lubricant prior to application.

(Do not over-lubricate bearings; apply the quantity of grease recommended by the bearing manufacturer).



Available Packaging

- Pail 16 kg
- For more available packaging contact Hexagon Europe after sales services

- Avoid prolonged or repeated contact of used lubricants with skin.
- In case of skin contact wash well.
- Used lubricants should be collected in special containers and disposed of in accordance to local legislations.
- For additional information please consult the Material Safety Sheet (SDS).

About Hexagon Europe

Hexagon Europe was founded in Greece in 1989. It is the exclusive distributor and marketer of the following brands in various territories and countries:

- **Lubrication Engineers® (USA)**, high-performance lubricants designed for heavy industries, the shipping industry, off-road and on-road vehicles and passenger cars,
- **Viper® WRL**, Wire Rope Lubricator (a unique system to lubricate and protect wire ropes of any size,
- **Spillaway® Projects**, bioremediation products that bioremediate oil spills of any kind from soil or the sea,
- **Delta-Xero®**, an innovative filtration systems manufacturer of most fluids and fuels, filters down to 1µm.
- **MAK Chem®**, with a complete line of chemical cleaning products,
- **Elix®** waterless hand-cleaning towels and other cleaning substances,
- **Fluitec® (USA)**, a producer of varnish removal fluids,

- Hexagon Europe has also designed and manufactured **Q® Series by Hexagon®**, a unique high-quality line of lubricants, including EAL (Environmentally Acceptable Lubricants) and Stern Tube oils.
- **Q® Series by Hexagon®** are available globally.

Hexagon Europe is a reliable high-product and services supplier to most heavy industries, construction, food and shipping companies in its territories, with seven major warehouses strategically located globally.

Hexagon Europe offers the most advanced and sophisticated oil analysis programme, **HAP™ (Hexagon Analysis Programme™)**. It is in partnership with Polaris®, offering unique oil analysis services and exclusively designed cloud software available to all its customers.

www.Hexagon-Europe.com e: SalesDpt@Hexagon-Europe.com t: +30 210 5152 040

