



Kirkpatrick Wire Rope Lubrication Systems **Dynagard Environmental Wire Rope Lubricants**

Kirkpatrick Wire Rope Lubrication Systems are excellent for Wire Rope & Cable Lubrication/Cleaning. In only one application wire rope can have its surface and groove pattern scraped clean of product build-up and grit while at the same time new lubricant is uniformly applied to the newly cleaned surface and penetrates into any open spaces within the grooves and internal strands open to receive it. This is accomplished as the wire rope passes through a controlled & pressurized immersion within the internal Seal Lubrication Chamber. Surface moisture trapped within the internal strands is displaced and replaced with the newly applied wire rope coating. Systems are functional with both low and high viscosity coatings. They can be incorporated as a Grease Applicator for tough applications where higher viscosity is required to fight friction as well as a low viscosity oiling system required for certain Cable Cleaning & Lubrication applications.

An optional Manual Stripper is also available to be used as a rotational base for specially designed Helix Wire Rope Groove Cleaners (Not to be confused with another source's groove cleaner). This option allows users the capability to crisply surface clean the wire rope separate from the lubrication process allowing easy inspection of the wire rope to determine if it should be lubricated or taken out of service. This is unlike a cable brush cleaner that incorporates individual wires that easily gum up and require frequent cleaning.

Kirkpatrick Wire Rope Lubrication Systems come in three basic configurations:

- Standard System, Accommodates wire rope diameters 1/4" (5mm-6mm) to 1-7/8" (48mm),
- Jumbo System, Accommodates wire rope diameters 3/8" (9mm-10mm) to 4" (104mm)
- Low Viscosity Internal Spray Configuration (Designed for the application of low viscosity, "pourable" coatings) JUL Systems accommodate wire rope diameters through 2-1/4" (57mm/58mm).

Standard Systems are available in three models: Each Standard System Model incorporates a 50:1 ratio / 100 oz. to 120 oz. per minute Lubricant Delivery System as well as a Lubrication Collar capable of accommodating Seal and Scraper Plate Kit diameters from 1/4" (5mm/6mm) to 1-7/8" (48MM).

- Model SU35B: Fit for 5-Gallon (35 Pound / 15.87 Kgs.) Pails
- Model SU120: Fit for 16-Gallon (120 Pound / 54.43 Kgs.) Mid Sized Drum (Keg)
- Model SU400: Fit for 55-Gallon (400 Pound / 181.44 Kgs.) Full Sized Drum

Jumbo Systems are available in two models: Each Jumbo System Model incorporates a high volume 50:1 ratio / 16 to 22 pound per minute capacity Lubricant Delivery System to accommodate medium to high viscosity lubricants used to service larger wire rope diameters, In addition, the Lubrication Collar will accommodate Seal and Scraper Plate Kit diameters up to 3-7/8" (98MM) providing the user the ability to service broader ranges of wire rope diameters.

- Model JU120: Fit for 16 Gallon (120 Pound / 54.43 Kgs.) Mid Sized Drum (Keg)
- Model JU400: Fit for 55-Gallon (400 Pound / 181.44 Kgs.) Full Sized Drum.
- Internal Spray Configuration Systems are available in three models. These Models are designed to apply low viscosity (liquid) products through four 4,000 psi rated spray nozzles. They are

excellent for Wire Rope & EM Cable Lubrication / Cleaning and their high pressure application far exceeds low pressure oiling systems also available on the market.

- Model JU5L: Fit for 5-Gallon sized pails. Approximate Delivery Rate: 4-Gallon per minute.
- Model JU16L: Fit for 16-Gallon sized mid sized drums. Approximate Delivery Rate: 4-Gallon per minute.
- Model JU55L: Fit for 55-Gallon full sized drums. Approximate Delivery Rate: 4-Gallon per minute.

Note: JUL Systems are not engineered to accommodate medium to high viscosity coatings such as NLGI Grade 1 to NLGI Grade 3 greases.

Company Background: The Kirkpatrick Group, Inc. has been the manufacturer of wire rope lubrication equipment for almost three decades. We developed the first wire rope lubrication system in the world in 1982 and our reputation and field experience far exceeds any other producer of similar equipment worldwide. Contact The Bilco Group for a complete catalog and review of how our Wire Rope Lubrication Equipment and Dynagard Environmental Wire Rope Lubricants can assist you in your wire rope maintenance program.

Dynagard Blue Environmental Wire Rope Lubricant

Dynagard Blue is an extreme pressure unleaded environmental wire rope lubricant blended for excellent resistance to softening under severe working conditions, water resistance, and its compatibility with all Kirkpatrick Wire Rope Lubrication Systems in addition to manual hand application. Its slickness and viscosity allow it to stay alive with the wire rope as the strands move during load bearing operations. This attribute also allows it to continuously redistribute itself to cover any internal strand areas that may have been missed during the initial lubrication process. An unleaded extreme pressure additive provides exceptional protection against wear and shock loads, while additional additives enhance resistance to water wash-off, protection against fling off at high wire rope travel speeds, and long service in high temperature environments. Dynagard Blue has outstanding structural and chemical stability. It won't corrode steel and copper bearing alloys and is compatible with conventional seal materials. Aquatic toxicity tests on sensitive marine organisms performed by independent test laboratories have shown it to have over 25,000 PPM making it possibly the best LC-50 value of any wire rope lubricant marketed in the world. Copy of the test data is available upon request.

Dynagard "E" Biodegradable Env. Wire Rope Lubricant

(Environmentally Safe Wire Rope Lubricant)

Dynagard "E" is a revolutionary non-toxic 97% biodegradable wire rope lubricant that meets the performance levels of petroleum-based greases in areas of fluid film "E" and corrosion protection of wire rope strands. Exceptional for manual application; Dynagard "E" also meets the operational requirements for all Kirkpatrick Wire Rope Lubrication System Models providing optimum coating and penetration prolonging the working life of wire rope while at the same time meeting the environmental concerns of our customers. Dynagard "E" was the first seed oil based high viscosity grease introduced onto the world market in 1993. It also was the benchmark product used in 2002 to establish MIL-PRF-18458C Type II requirements under the "Environmentally Preferable Lubricants" program (NSWCCD, Code 632). Documentation is available upon request.

Dynagard LVL Wire Rope Dressing

Dynagard LVL is a highly tenacious adhesive wire rope dressing formulated for use in both Marine and Mining applications where a quickly penetrating product is required with the low fling off adhesive attributes of a much higher viscosity coating. This is especially important at high wire rope travel speeds where fling-off is more apt to occur after the initial application of product. Dynagard LVL penetrates the outer strands of wire rope and cable and is excellent in displacing moisture when used with the Kirkpatrick JUL Internal Spray Systems. This product is also excellent for Mine Friction Hoist applications where slippage is a safety concern. As the carrier solvent evaporates, a thin flexible film of lubricant is formed. This fluid film barrier prevents the incursion of moisture or dirt between the strands, and contains rust and corrosion inhibitors to prevent abrasive and corrosive wear. The fluid film barrier of the Dynagard LVL also protects against the formation of rust and prevents "rust binding", which reduces cable flexibility and life; increasing friction wear between the wire strands. The barrier also offers protection against corrosion, preventing pitting of wire strands that can cause fatigue failure. The Dynagard LVL maintains optimal performance in both dry and high humidity/salt water environments.