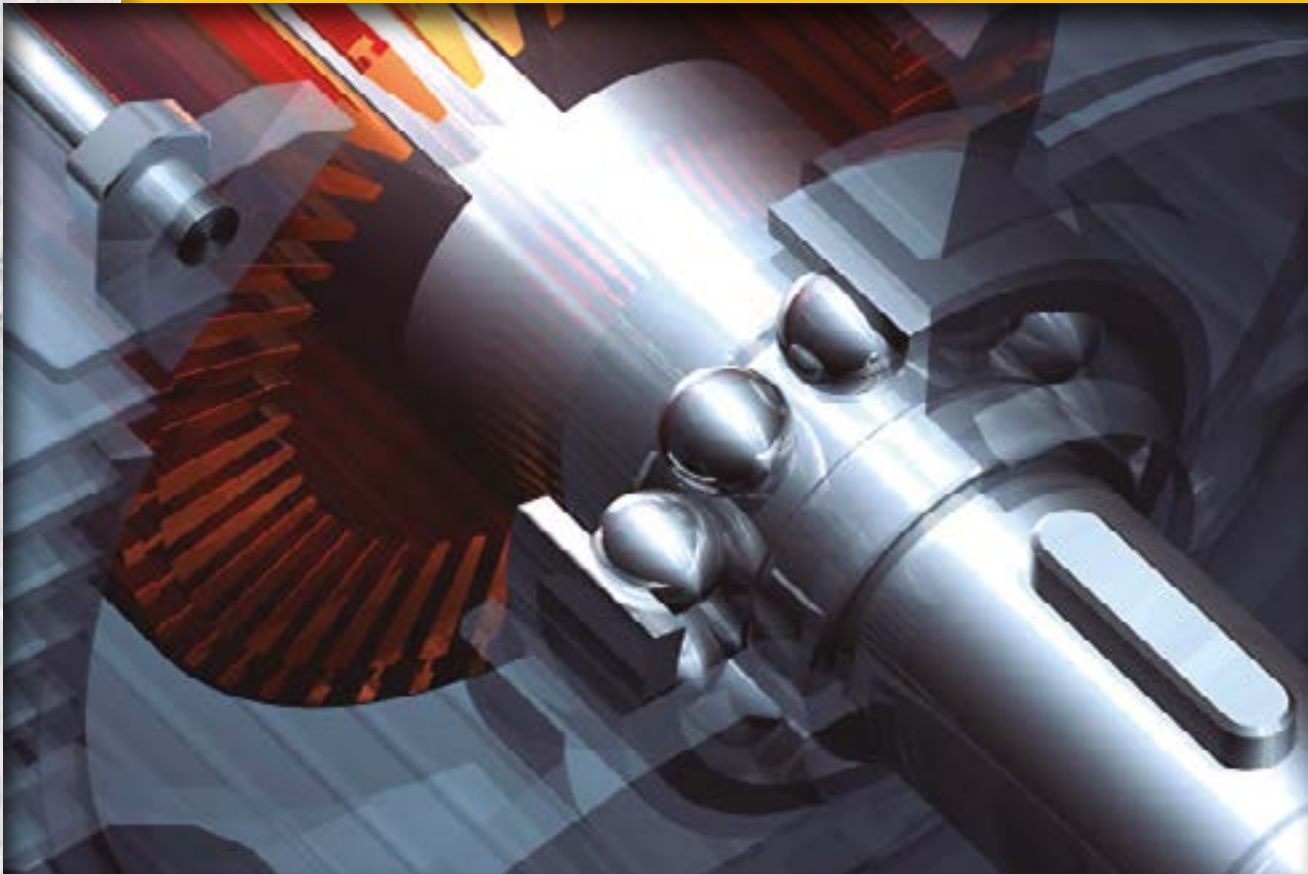


***HI - TECH LUBRICANTS***  
***INDUSTRIAL SECTOR***



**OILS • GREASE • PASTA**



# OUR HISTORY

**elesa®** is the brand name of a great company called **ELECTROFILM ESPAÑOLA, S.A.** born in February 1965 thanks to its founding partner Mr. Teodoro Carvajal Gallego.

**Electrofilm Española, S.A.** began collaborating with the company **ELECTROFILM INC., USA**, located in West Lafayette (Indiana), importing its technology and lubricant products in all its formats.

Starting as an importing company and solely dedicated to the marketing of lubricants of well-known brands such as Lubri-Bond and Everlube, manufactured in accordance with the American **MIL** standards, it has reached such dimensions that motivate us to **GROW**.

In 1985, the management of **ELECTROFILM INC, USA** offered us the acquisition of their facilities in West Lafayette. In those years the Spanish government did not allow us to import their machinery from the USA. **ELECTROFILM INC., USA** begins negotiations with a large American chemical group, Great Lakes Chemical Corporation (GLCC). Nowadays we are independent.

Given our excellent relationship and professional cooperation, **ELECTROFILM INC., USA** decided to transfer all its technology, know-how and original formulations to **ELECTROFILM ESPAÑOLA, S.A.** before joining **GLCC** in 1988. and original formulations to **ELECTROFILM ESPAÑOLA, S.A.** This gave us the opportunity to grow as a company and to embark on the great adventure, after a long commercial career as importers, to become specialised manufacturers in the lubrication and industrial engineering sector.

This entailed a further change of facilities to the current management. The group of American technical specialists worked with us until the factory and its various production processes were up and running. To date, we manufacture more than 4000 product references.

Our company has specialised in industry since our beginnings, particularly in the maintenance and lubrication sector. Far from being a craft activity, production becomes an important technical process, inspected by measurement and evaluation systems.

The constant research, development and innovation of our technicians, their dedication and continuous work with small-scale pilot plant, has allowed a deep knowledge of the parameters that differentiate the reactions, mixtures, dispersions and emulsions, in order to offer homogeneity in the mixtures and give adequate performance to the manufactured lubricants.

At present, all our products are manufactured and supervised under our implemented quality system, complying with UNE EN-ISO-9001 and 14001 standards. **Elesa** designs and manufactures specific preparations for certain customers.

In parallel, our technical department provides added value in the form of immediate personal attention, either on site or via the customer service hotline. We carry out lubrication studies, advice on reducing unnecessary stocks, analysis of new and used lubricants, applied engineering, training courses, etc.

In parallel, our technical department provides added value in the form of immediate personal attention, either on site or via the customer service hotline. We carry out lubrication studies, advice on reducing unnecessary stocks, analysis of new and used lubricants, applied engineering, training courses, etc.

Our team is highly qualified in engineering, chemistry, mechanics, economics, quality and environment with the ultimate goal of increasing the life cycle of the products and the business relationship with our customers in their multiple sectors and to meet the demands of the very competitive and close global market.

We love a challenge and we provide enhanced performance to our products through close contact with our market-leading additives, which make the difference between market leaders. All of this is in line with safety, hygiene and environmental requirements.





# PRODUCT RANGE

We currently manufacture more than 4000 references of Speciality and Precision Lubricants, as well as Process Products and other Chemical Products.

Our wide range of products includes:

- Oils
- Greases
- Assembly pastes
- Cutting fluids
- Cleaners, release agents and protective agents
- Additives

The working sectors are so diverse that we wanted to categorise our catalogues and help our customers in their choice of products. In this catalogue, you will be able to view industrial products covering: cement, nuclear and power plants, chemicals, textiles, plastics, glass, etc.

We also have a multidisciplinary R&D&I Department, which allows us to study each particular situation of our clients, and provides tailor-made solutions to the various problems and challenges that may arise.

See also our other catalogues:

**INDUSTRY  
ATOXIC**



**MOBILITY**



**PUBLIC WORKS  
AND AGRICULTURE**



**CUTTING FLUIDS  
METAL WORKING**



**CLEANERS AND  
PROTECTIVE**







# AEROSOLS

Elesa has a wide range of products in aerosol format.  
Cleaner work and easier application.



## CLEANERS



PRODUCT	No AEROSOL	CLEANING CAPACITY	SPEED EVAPORATION	INFLAMMATION RESISTANCE (BULK)	OTHER FEATURES HIGHLIGHTS
 <b>PRESTIGE K1</b>	5	●	●	●	Contact cleaner, fast evaporating, cleans metal surfaces, does not attack rubber and plastics.
 <b>PRESTIGE TECH K1</b>	6	●	●	●	Cleaner for adhesives, most common glues, residues in moulds and extrusion nozzles
 <b>CLEAN K1 K3 IPA</b>	19	●	●	●	Dielectric electronic circuit cleaner, alcoholic Isopropyl alcohol >70%
 <b>FOAM CLEANER</b>	11	N.A.	N.A.	N.A.	Foam cleaner for glass, plastics, enamelled surfaces, painted surfaces, stainless steel, chrome, keyboards, plasma screens, computer equipment, fabrics, carpets and upholstery

## MOULD RELEASE



PRODUCT	No AEROSOL	TEMP. WORKING (°C)	OTHER FEATURES HIGHLIGHTS
 <b>LUBE H1 SILICONA</b>	5	-55 to 230 °C	Demoulding of plastics and elastomers. Dielectric. Resistant to oxidation and aggressive environments and to washing with water and organic solvents. Rubber regeneration
 <b>DESMOL FSA SIN SILICONA</b>	17	-5 to -35 °C	Release agent for plastics and elastomers. Polishing agent. Injection, compression or vacuum processes. Does not affect paints and inks. Anti-spatter in welding. agent for plastics and elastomers. Polishing agent. Injection, compression or injection, compression or vacuum processes. Does not affect paints and inks. Anti-spatter in welding



EXCELLENT



GOOD



REGULAR



NOT SUITABLE



# OILS



LUBRITEF 1

1

315



-10 to 150 °C

—



Chains, guides



BLACK LUBE CHAIN

28

800



-30 to 150 °C

—



Extreme lubricant for guides, cables and chains. Resistant to dust and water jet washing

# GREASE



ARIS TF

2

500



-20 to 145 °C

500.000



With PTFE. Systems with shock loads



CHAIN LUBE FILM

23

500



-20 to 145 °C

500.000



Chains with water and high speed



NT H1 TF

3

400



-25 to 150 °C

150.000



Non-toxic H1 white adhesive grease



ALBA H1 HIGH TEMP

9

315



-60 to 250 °C

750.000



Furnace and ovens and freezing



BLACK LUBE CHAIN FILM

38

400



-20 to 160 °C

100.000



Open gears, cables and chains. Loads



EXCELLENT



GOOD



REGULAR



NOT SUITABLE



6



## PASTAS



**PASTA ALUMINIO** 14 800 ● ● ● -25 to 700 °C — ● ● ● ● ● ● ● ● Aluminium anti-scratch



**PASTA COBRE** 66 800 ● ● ● -40 to 1100 °C — ● ● ● ● ● ● ● ● Anti-cracking and electroconductive copper



**PASTA H1 CERAMICA TF** 67 400 ● ● ● -50 to 2000 °C 250.000 ● ● ● ● ● ● ● ● Ceramic paste

## PROTECT



**PROTECT H1 LUBE SECO** 4 All in one. Wet film protection, anti-corrosion and dielectric release fluid. Wetting and moisture displacing power. Especially for clean industries. Eliminates squeaking noises and facilitates displacement



**NT H1 TF** 12 Anticorrosive spray primer based on lamellar zinc, aluminium, resins and additives, formulated to form a high performance coating, designed to achieve a high rust protection on metal surfaces, guaranteeing a smooth, uniform and glossy finish



**ALBA H1 HIGH TEMP** 15 Wet film lubricating, anti-corrosive and deblocking fluid developed for the protection of metals, machinery, electrical equipment, etc. Stops sulphation of battery terminals and fasteners. Displaces water from all electrical contacts. Dielectric. Working temperature -50° to 50°C



**BLACK LUBE CHAIN FILM** 10 Allows easy loosening of seized metal parts, even rusted ones: nuts, pins, bolts, hinges... Excellent loosening fluid, anti-corrosive and wet film lubricant with very low residue

● EXCELLENT ● GOOD ● REGULAR ● NOT SUITABLE



# GENERAL LUBRICATING OIL

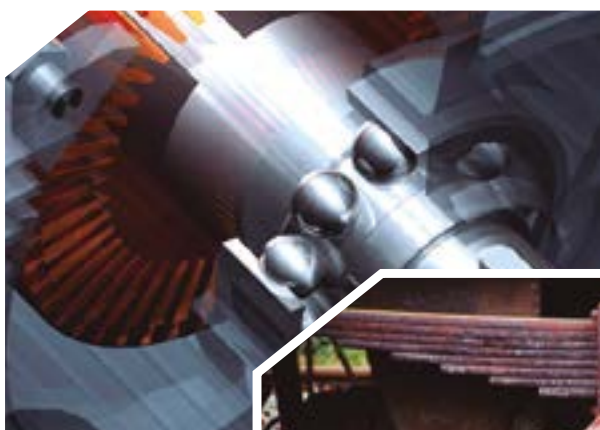
The aim is to reduce energy consumption, reduce vibrations and the coefficient of friction, extending the service life of the elements by working with less effort.

## elesa AEG

High quality paraffinic mineral oil for general lubrication and greasing of all types of elements and machinery subjected to medium loads and moderate speeds.

## GENERAL LUBRICATION LUBRICANTS

PRODUCT	EP. (Kg)	VISCOSITY INDEX ISO 2909	ISO VG 40°C, cSt ISO 3448	T. WORKING, °C	APPLICATIONS	PROPERTIES
<b>AEG</b>	126	95	15, 22, 32	-8 / > 105	<ul style="list-style-type: none"> <li>Hydraulic systems which do not special requirements</li> <li>Enclosed spur, helical, bevel and worm gears, helical, bevel and worm gears carrying light loads</li> <li>Guides and chains with inverted teeth and roller chains</li> <li>Plain and rolling bearings operating at speeds and operating at medium speeds and loads</li> </ul>	<ul style="list-style-type: none"> <li>Good anti-corrosion</li> <li>Oxidation stability</li> <li>High demulsibility</li> </ul>
	126	95	46, 68, 100, 150	-8 / > 105		
	126	95	220, 320	-7 / > 110		
	126	95	460, 680	-7 / > 110		





# HYDRAULIC OILS

The main purpose of any hydraulic fluid is to transmit mechanical energy through a hydraulic power system.



## elesa BULL

Range formulated with our mineral, synthetic, vegetable, biodegradable synthetic and glycol bases depending on the type of machine or installation. Our hydraulic oils prevent wear on seals and sealing rings. The pressure transmitted to our oil is stable in its path and dissipates the temperature produced in its movements.

Our goal is to reduce friction, wear, corrosion and oxidation in different situations, which is why we have a wide range that allows you to choose the best product in each case. Our oils provide the necessary sealing in pressurised parts such as valves.



mineral oil



synthetic oil



biodegradable oil







# HYDRAULIC SYSTEM OILS

PRODUCT	QUALITY LEVEL	INDEX VISCOSITY ISO 2909	ISO VG 40°C, cSt ISO 3448	APPLICATIONS	PROPERTIES
<b>BULL HR</b>	ISO 11158 HM y HR AFNOR NFE 48603-HM y HR CINCINNATY LAMB-MILACRON P-68, 69, 70 DENISON HF-2, HF-1 y HF-0 VICKERS M-2952-S / M-2950-S/ I-286-S3 GRUPO DANOBAT para ISO 32 a 150	110	2, 5, 10, 15, 22, 32, 46, 68, 100, 150	• Hydraulic systems and mechanisms that need high precision	<ul style="list-style-type: none"> <li>• Developed for use in hydraulic systems and circuits with hydrostatic systems requiring viscosity improver to withstand pressure at varying temperatures without changing the way they work</li> <li>• High oxidation resistance, wear resistance and corrosion protection. High viscosity</li> <li>• Low freezing point facilitates work in winter and low temperature systems</li> <li>• Microfiltration to safety level, with filter fitted with a magnetic pre-filtration which ensures the retention of smaller of lower micron metallic particles</li> </ul>
<b>BULL HR MICROFILTER</b>	ISO 11158 HM y HR AFNOR NFE 48603 (HM) AFNOR NFE 48603-HM y HR	110	32, 46, 68, 100, 150	• Hydraulic systems and mechanisms that need high precision	<ul style="list-style-type: none"> <li>• Same properties as BULL HR but zinc free (ash free)</li> <li>• Excellent viscosity-temperature characteristics</li> <li>• Good anti-wear protection. Important when systems working at high pressures</li> <li>• High corrosion protection and good compatibility with seals and paints. Protects the system condition and prevents leaks</li> </ul>
<b>BULL HV</b>		140	2, 46, 68, 100, 150		<ul style="list-style-type: none"> <li>• Ultra-refined paraffinic based mineral oil with high viscosity index</li> <li>• Additive for increased wear resistance</li> <li>• Recommended for use in hydraulic systems in all industrial and public works applications</li> <li>• Its viscosity will not decrease due to shear</li> </ul>
<b>BULL HV EXTRA</b>	ISO 6743-4 HV ISO 11158 HV DIN 51524 Partes 3 (HVLP) AFNOR NFE 48603-HV CINCINNATI MILACRON P-68, 69, 70 DENISON HF-0, HF-1, HF-2 VICKERS M-2952-S /M-2950-S / I-286-S	150	32, 46, 68, 150	• Hydraulic systems and mechanisms in severe working conditions such as pressure and continuous motion	<ul style="list-style-type: none"> <li>• Same as BULL HV, but with higher viscosity</li> <li>• Very good anti-wear characteristics and withstands the Extreme Pressure levels required in gears and bearings at low load</li> <li>• Very low freezing point which, together with the low viscosity variation with temperature, allows working inside cold chambers and facilitates winter</li> <li>• Applicable in light and medium load gear systems, lubricated by and medium-loaded gear systems, greased by circulation or splash lubrication. Can also be used for rolling bearings and bearings in industrial machines under light and medium load</li> </ul>
<b>BULL HV EXTRA PLUS</b>		> 250	32, 46		<ul style="list-style-type: none"> <li>• Includes the properties of BULL HV EXTRA with an even higher viscosity index</li> <li>• Hydraulic systems of mobile machines that experience temperature changes, such as machines that are used in refrigerated chambers or temperature-controlled locations</li> <li>• Demulsibility and filterability</li> <li>• Hydrolytic and thermal stability</li> </ul>



● mineral oil

● synthetic oil

● biodegradable oil



# HYDRAULIC SYSTEM OILS

PRODUCT	QUALITY LEVEL	INDEX VISCOSITY ISO 2909	ISO VG 40°C, cSt ISO 3448	APPLICATIONS	PROPERTIES
<b>BULL HV MICROFILTER LONG LIFE</b>	ISO 6743-4 HV DIN 51524 partes 2 y 3 (HLP) y (HVLP) AFNOR NFE 48603-HV CINCINNATY LAMB-MILACRON P-68, 69, 70 DENISON HF-2, HF-1 y HF-0	> 164	46	<ul style="list-style-type: none"> <li>High pressure hydraulic systems operating over a wide range of operating temperatures</li> </ul>	<ul style="list-style-type: none"> <li>Semi-synthetic hydraulic oil, formulated from selected base oils and selected base oils and antioxidant additives, anti-wear, and anti-foaming additives that give it an optimum performance in industrial and mobile hydraulic systems</li> <li>High viscosity index. Excellent shear stability</li> <li>Ash free. Zinc free</li> <li>Hydraulic systems of mobile machines that temperature changes, e.g. machines in refrigerated machines used in refrigerated chambers or temperature-controlled locations</li> </ul>
<b>HIDRAULIC HFC</b>	ISO 6743-4 HFC UNE-EN ISO 12922:2020 AFNOR NF E 48.603 HFC	----	46	<ul style="list-style-type: none"> <li>Systems operating in fire or high temperature zones: Aluminium and plastic extrusion, foundry machinery, hydraulic hammers and presses for forging, hydraulic systems in mining</li> </ul>	<ul style="list-style-type: none"> <li>Water-glycol based hydraulic oil specifically developed for industrial hydraulics with a specifically developed for industrial hydraulic systems with fire risk</li> <li>Compatibility with materials used in hydraulic systems</li> <li>Excellent filterability</li> <li>Not for use in systems with magnesium alloy mechanisms due to the violent reaction</li> </ul>
<b>BULL HV MICROFILTER LONG LIFE</b>	ISO 6743/4 HV DIN 51524 Partes 2 y 3 (HLP y HVLP) AFNOR NFE 48603-HV CINCINNATI P68, P69, P70 DENISON HF-0, HF-1, HF-2	<164	46	<ul style="list-style-type: none"> <li>Systems High pressure hydraulic systems operating in a wide range of working temperatures, such as machines in cold rooms or temperature-controlled rooms</li> </ul>	<ul style="list-style-type: none"> <li>Semi-synthetic oil with high viscosity index, with antioxidant, anti-wear and anti-foaming additives</li> <li>Excellent shear stability. Zinc free</li> <li>Long-life properties. High service life due to its semi-synthetic character</li> <li>High chemical stability</li> </ul>

# ACCESSORIES



- mineral oil
- synthetic oil
- biodegradable oil







# GEAR LUBRICANTS

PRODUCT	QUALITY LEVEL	ISO VG 40°C, cSt ISO 3448	APPLICATIONS	PROPERTIES
<b>GEAR IND BIO SINT</b>	ISO/TR 3498 L-CKC DIN 51517 part. 3 CLP-E OECD 301-B US STEEL 224	100	Gears: • Sprocket • Helical • Double helical • Hypoid • Helical bevel • Straight bevel	<ul style="list-style-type: none"> <li>• Biodegradable &gt;70%</li> <li>• Stability to hydrolysis</li> <li>• Durability up to 10 times longer than mineral oils</li> <li>• Minimal evaporation which means minimal consumption</li> <li>• Optimum anti-wear protection</li> <li>• Reduced maintenance costs and higher productivity</li> <li>• Miscible with mineral oils</li> <li>• High adhesion to metal surfaces and good EP properties</li> <li>• Lubricant film resistance at high temperature</li> </ul>
		150	Gearboxes subjected to overloads where the tenacity of the lubricating film at high temperatures is vital. Bearings and Bearings	
<b>GEAR IND</b>	SO-6743-6 e ISO 12925-1 CKB AGMA 9005/E02 DIN 51.517 part. 2 (CL-46 a 680)	46, 68, 100, 150	<ul style="list-style-type: none"> <li>• Systems of Gear Systems without special requirements</li> <li>• Inverted tooth chains and roller chains</li> <li>• Plain bearings and bearings operating at working at medium speeds and loads</li> </ul>	<ul style="list-style-type: none"> <li>• With corrosion inhibitors, anti-wear, anti-rust and anti-foaming agents</li> <li>• Thermal resistance</li> <li>• Contains demulsibility properties, preventing emulsion formation with water</li> <li>• Fatigue resistance</li> </ul>
		220, 320, 460		
<b>GEAR IND FILM</b>	ISO-6743-6 e ISO 12925-1 CKB DIN 51.517 part. 2 (CL-46 a 680) AGMA 9005/E02	460	<ul style="list-style-type: none"> <li>• Variant with the same properties as GEAR IND but with additional additives which give the oil to have high greasiness, adhesiveness and stringiness. No sagging</li> <li>• Especially for components where high adhesion is required and no high EP is required</li> <li>• Ensures good surface lubrication at all times, even at the top of the gears and keeps them lubricated at all times before re-engagement</li> <li>• Highly resistant to water washout, hot water, salt water, acids and alkalis</li> </ul>	
		900		
		4000		
<b>GEAR IND EP</b>	ISO 6743-6 ISO 12925-1 CKC ISO/TR 3498 CKC DANOBAT ISO 100-460 DIN 51517 part.3 (CLP 46-680) AGMA 250.04 CINCINNATI MILACRON P47 y P50 US STELL 224	46, 68, 100, 150	<ul style="list-style-type: none"> <li>• Non-temperature high load gearbox</li> <li>• Contains anti-wear and extreme pressure additives</li> <li>• Meets DANOBAT GROUP quality levels</li> <li>• Ensures good surface lubrication at all times, even in the high at all times, even in the high part of the gears, and keeps them gears, and keeps them lubricated</li> <li>• Good de-emulsion capacity, avoiding the formation of emulsions with water</li> <li>• Excellent resistance to oxidation and corrosion</li> <li>• Low foaming and fast deaeration</li> <li>• High compatibility with seals and elastomers</li> </ul>	
		220, 320, 460		
		680, 1000		
<b>GEAR IND FILM EP</b>	ISO/TR 3498 CKC DIN 51502 CGLP AGMA 250,04 US STEEL 224 CINCINNATI MILACRON P-47 y P-50	46, 68, 100, 150	<ul style="list-style-type: none"> <li>• Variant with the same properties as GEAR IND EP and additional additives which provide high adhesiveness and filamentability. No does not sag</li> <li>• Gearboxes where it is necessary that the oil does not leave the not to leave the tooth at any time</li> <li>• High shear strength</li> <li>• Highly resistant to water washout, hot water, salt water, acids and alkalis</li> </ul>	
		220, 320, 460		
		680, 1000		



mineral oil



synthetic oil



biodegradable oil





# GEAR LUBRICANTS

PRODUCT	QUALITY LEVEL	ISO VG 40°C, cSt ISO 3448	APPLICATIONS	PROPERTIES
<b>GEAR IND EP TF</b>	ISO 6743-6 ISO 12925-1 CKC ISO/TR 3498 CKC DANOBAT ISO 100-460 DIN 51517 part.3 (CLP 46-680) AGMA 250.04 CINCINNATI MILACRON P47 y P50 US STELL 224	46, 68, 100, 150	High load gears: • Toothed wheel • Helical • Double helical • Hypoid • Helical bevel • Straight bevel • Planetary • Worm wheel worm • Bearings and Bearings	<ul style="list-style-type: none"> <li>• Variant with the same properties as GEAR IND EP and additional addition of micronised PTFE, which acts as a solid additive and reduces the coefficient of friction compared to the previous ones (lower energy cost)</li> <li>• Low friction coefficient</li> <li>• Excellent resistance to oxidation and corrosion</li> <li>• Formation of a thin adherent film that avoids the dreaded dry starts</li> <li>• Reduces stick-slip problems</li> <li>• Excellent dirt resistance. Water repellent</li> <li>• Recommended for lubrication of highly loaded enclosed gear systems or very high power units in heavy duty industrial applications</li> <li>• Gearboxes where there are many stops and starts</li> </ul>
		220, 320, 460		
		680		
<b>GEAR IND PLUS PAO</b>	ISO L-CKC (100-460) ISO 3448 y DIN 51519 AGMA 9005.E02 US STEEL 224 DAVID BROWN S1.53.101 CINCINNATI MILACRON P47 y P50	46, 68, 100, 150	<ul style="list-style-type: none"> <li>• Loaded gears: -Sprocket -Helical -Double helical -Hypoid -Helical bevel -Straight bevel -Planetary -Worm and wheel set</li> <li>• Inverted tooth chains and roller chains</li> </ul>	<ul style="list-style-type: none"> <li>• Semi-synthetic lubricant with higher viscosity index and more resistant to high temperatures than mineral oils</li> <li>• Minimal sludge and oxidation products</li> <li>• Zinc free</li> <li>• Minimal evaporation and therefore minimal consumption and replenishment</li> <li>• Low freezing point, better starting</li> <li>• Optimum wear protection</li> <li>• Excellent compatibility with elastomers and seals</li> <li>• Miscibility and compatibility with mineral oils makes it easy to change to semi-synthetic oil</li> <li>• Its low detergency avoids the problems of lifting old sludge that may have accumulated in machinery that has worked for a long time with mineral oil</li> <li>• High temperature tips</li> </ul>
		220, 320		
		480		
<b>GEAR IND PLUS PAO TF</b>	DIN 51517 part.3 (CLP 46-680)	46, 68, 100, 150	<ul style="list-style-type: none"> <li>• Plain bearings and bearings operating at medium speeds and loads speeds and loads at higher temperature</li> <li>• Continuous operation up to 120°C</li> </ul>	<ul style="list-style-type: none"> <li>• Same properties as GEAR IND PLUS PAO and additional addition of micronised PTFE, which acts as a solid additive and reduces the coefficient of friction compared to the previous ones (lower energy cost)</li> <li>• Formation of a thin adherent film avoids the dreaded dry starts</li> <li>• Reduces stick-slip problems</li> <li>• Gearboxes and differentials where more temperature is generated and there are many starts and stops</li> </ul>
		220, 320, 460		
		480		
<b>GEAR IND SINT</b>	DIN 51517 part.3 (CLP-E) AGMA 9005.E02(S) US STEEL 224 DAVID BROWN S1.53.101	220, 460	<ul style="list-style-type: none"> <li>• Gearboxes industrial</li> <li>• Hypoid gears</li> <li>• Steel and cement plants</li> </ul>	<ul style="list-style-type: none"> <li>• 100% synthetic ester type oil with excellent E.P. characteristics</li> <li>• High adhesion to metal surfaces</li> <li>• Freezing point of -32°C</li> <li>• Durability of the order of 10 times higher than mineral oils</li> <li>• Stability to hydrolysis in very corrosive environments</li> <li>• Toughness of the lubricant film at high temperatures</li> <li>• Minimal evaporation. Optimum anti-wear protection</li> <li>• Extraordinary chemical and thermal stability</li> </ul>



mineral oil



synthetic oil



biodegradable oil





# GEAR LUBRICANTS

PRODUCT	QUALITY LEVEL	ISO VG 40°C, cSt ISO 3448	APPLICATIONS	PROPERTIES
<b>GEAR IND PREMIUM PAG</b>	<b>DIN 51517 part.3 CLP-PG AGMA 9005. E02(S) US STELL 224</b>	32	<ul style="list-style-type: none"> <li>Gears:                             <ul style="list-style-type: none"> <li>- Sprocket</li> <li>- Helical</li> <li>- Double helical</li> <li>- Hypoid</li> <li>- Helical bevel</li> <li>- Straight bevel</li> <li>- Planetary</li> <li>- Worm wheel and worm wheel</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Synthetic polyglycol base, with incredible performance at high temperatures and extreme pressure</li> <li>Reduces maintenance costs</li> <li>High temperature stability (high and low)</li> <li>Minimal volatility</li> <li>No sludge and protection against oxidation</li> <li>High Viscosity Index and low freezing point</li> <li>High lubricating power and load capacity</li> <li>Excellent corrosion and rust protection</li> <li>Compatible with all types of seals and elastomers Nitrile rubber (NBR), Fluoro-Silicone, Vinyl-Methyl Polysiloxane (Q) or PTFE are especially recommended for high temperature</li> <li>Compatible with non-ferrous materials</li> <li>Exceeds 10,000 working hours at 100°C in enclosed gear units</li> </ul>
		68		
		100		
		150		
		220		
<b>GEAR IND PREMIUM PAG TF</b>		320	<ul style="list-style-type: none"> <li>Gearboxes and Differentials where very high temperature and very high load</li> <li>Bearings</li> <li>Of great interest in all difficult to access equipment accessibility, where oil changes involve a high labour costs</li> <li>Worm and worm gearboxes</li> </ul>	<ul style="list-style-type: none"> <li>Variant with the same properties as GEAR IND PREMIM PAG and additional addition of micronised PTFE, which acts as a solid additive and decreases the coefficient of friction.</li> <li>For highly loaded gearboxes and high vibrations, reducing noise level and wear.</li> <li>Formation of a thin adhesive film prevents the dreaded dry starts.</li> <li>Reduces the problems of stick-slip</li> <li>Lower energy costs.</li> <li>Anti-friction characteristics necessary for a long life of oil and mechanisms.</li> </ul>
		100		
		150		
		220		
		320		



mineral oil



synthetic oil



biodegradable oil



# GUIDE OILS, CABLES AND CHAINS

This product block covers a wide range of applications for guides, cables and chains. Formulated with mineral oils, synthetic and biodegradable bases depending on the application and needs, and premium additives that aim to reach the friction points in order to first lubricate and then protect.

When formulating our guide, cable and chain oils, we at elesa thoroughly study the important parameters such as:

- Adhesion.
- Drip resistance.
- Static and dynamic coefficient of friction with speed.
- Penetrability.
- Solid additives.

## elesa GUÍAS

They provide linear movement, prevent the stick-slip effect, avoid jumps between the two sliding parts and make this sliding continuous.

See our Cutting Fluids catalogue for our range of MACHINING CTRO GUIDES.

See our catalogue of Non-toxic Products for our range of H1 GUIDES.

PRODUCT	NATURE	ADHERENCE	ANTI-DRIP	REDUCTION FRICTIONS	PENETRABILITY	EXTREME PRESSURE
GUÍAS	MINERAL	●	●	●	●	●
GUÍAS EP	MINERAL	●	●	●	●	●
GUÍAS EP FILM	MINERAL	●	●	●	●	●

● EXCELLENT   ● GOOD   ● REGULAR   ● NOT SUITABLE





## elesa CHAIN

Chain oils formulated to allow penetration in those points of reduced size, difficult access and subjected to high loads.

This range of products has been developed taking into account the following differentiating elements: time of exposure to high temperature, extreme pressure required, adhesion of the part in the presence in the working environment, chain speed. If no temperature is required, the elesa GUÍAS range of products could be used.

### Other options:

For non-temperature chains with anti-drip action, the WIRE cable range can be recommended. For chains without temperatures, drip-free action and extreme high pressure, the most recommended product is elesa GEAR IND 460 FILM.

For NSF-H1 compliant alternatives, please see our non-toxic industry catalogue. For alternatives in the agricultural sector, such as chainsaw oil, see our agricultural catalogue. agricultural.

PRODUCT	NATURE	ADHERENCE	ANTI-DRIP	REDUCTION FRICTIONS	PENETRABILITY	SOLIDS
CHAIN BIO SINT	SYNTHETIC BIODEGRADABLE	●	●	●	●	—
BLACK LUBE CHAIN	MINERAL	●	●	●	●	—
CHAIN SINT	SYNTHETIC	●	●	●	●	—
CHAIN SINT TEMP	SYNTHETIC	●	●	●	●	—
CHAIN SINT SS	SYNTHETIC	●	●	●	●	—
CHAIN SINT PLUS MOS2	SYNTHETIC	●	●	●	●	MoS2
CHAIN SINT PLUS	SYNTHETIC	●	●	●	●	—
CHAIN SINT PLUS TF	SYNTHETIC	●	●	●	●	PTFE
CHAIN 320 SINT PLUS	SYNTHETIC	●	●	●	●	—
CHAIN 254 SINT PLUS	SYNTHETIC	●	●	●	●	—
CHAIN 400 SINT PLUS MOS2	SYNTHETIC	●	●	●	●	—
CHAIN 140 SINT PLUS MOS2	SYNTHETIC	●	●	●	●	MoS2
CHAIN 140 SINT PLUS MOS2 TEMP	SYNTHETIC	●	●	●	●	MoS2
CHAIN 254 SINT PLUS MOS2	SYNTHETIC	●	●	●	●	MoS2
CHAIN 400 SINT PLUS MOS2	SYNTHETIC	●	●	●	●	MoS2
CHAIN SINT PLUS TEMP	SYNTHETIC	●	●	●	●	—
CHAIN SINT CATAFORESIS	SYNTHETIC	●	●	●	●	—



EXCELLENT



GOOD



REGULAR



NOT SUITABLE











## elesa WIRE

Our cable oils are developed to work as a protective element for steel cables. The differentiating elements between our products are: penetration time into the cable core, protection against corrosion over time, impermeability and non-drip properties of the product.

The WIRE range has great adhesion to metal surfaces, so we recommend brushing, dipping or spraying the product onto the cable to protect it from friction between the stranded wires, maintaining a thin outer layer that protects against the aggressive environment.

Other options:

Our Cutting Fluids catalogue offers soluble and pure lubricants for wire and rod drawing operations.

PRODUCT	NATURE	ADHERENCE	ANTI-DRIP	REDUCTION FRICTIONS	PENETRABILITY	EXTREME PRESSURE
<b>WIRE BIO EUROMAR</b>	<b>SYNTHETIC BIODEGRADABLE</b>	●	●	●	●	●
<b>WIRE EUROMAR 32</b>	<b>MINERAL</b>	●	●	●	●	●
<b>WIRE EUROMAR</b>	<b>SYNTHETIC</b>	●	●	●	●	●



● EXCELLENT    ● GOOD    ● REGULAR    ● NOT SUITABLE









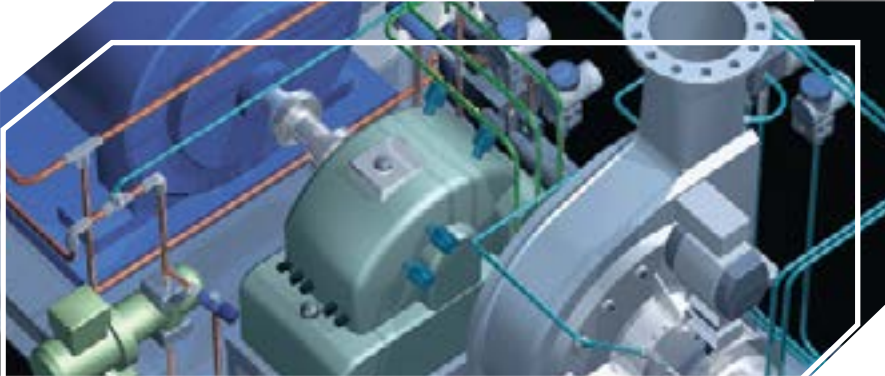


## elesa AIR SN

Our oils for pneumatic systems extend the operational use of machinery.

This range is based on lubricants with special additives for the lubrication of these systems, which increase the life of the equipment in mist or cup applications.

The variant with very low micron solid additives to further reduce friction should only be applied in thin tubes which have to be cleaned periodically to avoid caking of the additive.



## OILS FOR PNEUMATIC SYSTEMS

PRODUCT	QUALITY LEVEL	INDEX VISCOSITY	ISO VG 40°C, cSt ISO 3448	APPLICATIONS	PROPERTIES
<b>AIR BIO SN</b>	API GL-4. DENVER GARDNER. JOY (RD 01). CHICAGOPNEUMATIQUE (ROCKDRILL 1061). INGERSOLL RAND (ROCKDRILL 433) SIDERURGIE FRANCAISE FT 174	190	46, 48	<ul style="list-style-type: none"> <li>Closed and open circuits with compressed air flow</li> </ul>	<ul style="list-style-type: none"> <li>100% biodegradable ester base</li> <li>High loading capacity (EP)</li> <li>Stable emulsification capability with water</li> <li>Provides excellent performance in water/air drilling jobs</li> <li>Prevents scuffing of pistons, tips, etc.</li> <li>Avoids temperature rises</li> <li>Protects against rust and corrosion even during machine downtime</li> <li>More effective than conventional drilling oils</li> <li>Adhesiveness and solubility, reduces mist formation and oil consumption</li> </ul>
<b>AIR SN</b>	API GL-4 DENVER GARDNER JOY (RD 01) CHICAGOPNEUMATIQUE (ROCKDRILL 1061) INGERSOLL RAND (ROCKDRILL 433) SIDERURGIE FRANCAISE FT 174	≈110	22, 32, 46, 68, 100, 150, 220, 320, 460, 600	<ul style="list-style-type: none"> <li>Closed and open circuits with compressed air flow</li> </ul>	<ul style="list-style-type: none"> <li>It is provided with extreme-pressure additives, antioxidant and rust and corrosion inhibitor, which ensure the best performance and excellent protection of the machinery driven by compressed air.</li> <li>High adhesiveness, reducing mist formation and oil consumption</li> <li>High load capacity (EP)</li> <li>Prevents stick-slip effect, facilitating smooth sliding</li> <li>Stable emulsion capacity with water</li> <li>Provides excellent performance in water/air drilling jobs</li> </ul>
<b>AIR SN TF</b>	API GL-4	110	6000-8000	<ul style="list-style-type: none"> <li>Closed and open circuits with compressed air flow</li> </ul>	<ul style="list-style-type: none"> <li>Variant with the same properties as AIR SN and additional micronised PTFE additive, which acts as a solid additive and reduces the friction coefficient compared to the previous ones (lower energy cost)</li> </ul>

 mineral oil

 synthetic oil

 biodegradable oil



# HEAT TRANSFER FLUIDS

The lubricant should be chosen according to the temperature we need to reach and according to its miscibility and viscosity.

## elesa TÉRMICO

Our range is based on highly refined mineral oils, preferably hydrogenated and direct cutting, synthetic or alkylbenzene oils, all of which are designed to withstand high temperatures.

### FLUIDS FOR HEAT TRANSFER SYSTEMS

PRODUCT	QUALITY LEVEL	INDEX VISCOSITY ISO 2909	ISO VG 40°C, cSt ISO 3448	WORK HOURS	APPLICATIONS	PROPERTIES
<b>TÉRMICO</b>	<b>ISO 6743 -Q DIN 51522</b>	95	22,32	- 10 / 280	<ul style="list-style-type: none"> <li>Boilers, heat generators, heating systems</li> <li>Closed heat transfer circuits with forced recirculation</li> </ul>	<ul style="list-style-type: none"> <li>Ultra-refined paraffinic based oils (hydrogenated and dewaxed)</li> <li>High heat transmission coefficient providing faster and more economical heating</li> <li>High thermal stability at working temperature, with very low oxidation tendency</li> <li>Low vapour pressure at working temperature, allowing to work at atmospheric pressure; avoids cavitations and load losses</li> <li>Protects the circuit from corrosion and keeps the mechanisms lubricated</li> <li>Valid for industrial tanks where heating and cooling are carried out in the same equipment</li> </ul>
		95	68	10 / 320		
		95	320	-7 / 300	<ul style="list-style-type: none"> <li>Heat transfer baths without forced recirculation</li> </ul>	
		87	460, 600	-7 / 340		
<b>TÉRMICO SINT</b>	<b>SO 6743 -12-Q DIN 51522</b>		16, 22	- 40 / 340	<ul style="list-style-type: none"> <li>Boilers, heat generators, very high or very low temperature heating systems</li> <li>Closed heat transfer circuits with forced recirculation where there is no contact with the contact with oxygen</li> </ul>	<ul style="list-style-type: none"> <li>100 % synthetic bases of alkylbenzene nature</li> <li>Excellent anti-corrosion, anti-wear and anti-rust properties</li> <li>High heat transmission coefficient providing faster and more economical heating</li> <li>High thermal stability at working temperature, high inertia to oxidation</li> <li>It protects the circuit from corrosion and keeps the mechanisms lubricated, avoiding decantations</li> <li>Valid for industrial tanks where it is heated and cooled in the same equipment</li> <li>High boiling and flash point</li> </ul>
<b>TÉRMICO SINT BAJA PRESIÓN</b>	<b>ISO 6743 -12-Q DIN 51522</b>		32	-3 / 345	<ul style="list-style-type: none"> <li>Boilers, heat generators, heating systems</li> <li>Non-pressurised or low-pressure recirculating closed circuits with recirculation, without contact with oxygen</li> </ul>	<ul style="list-style-type: none"> <li>High thermal stability at working temperature, high inertia to oxidation</li> <li>High thermal transmission coefficient providing faster heating</li> <li>High boiling and flash point which helps to have a low volatility</li> <li>Excellent detergency that avoids the decantation of oxidation products that could produce overheating points</li> </ul>
<b>TÉRMICO 144 POLAR</b>	<b>ISO 6743 -12-Q DIN 51522</b>		16, 22	- 32 / 115	<ul style="list-style-type: none"> <li>Refrigeration systems. Heat pumps. Gas water heaters and hot water heaters</li> </ul>	<ul style="list-style-type: none"> <li>Monoethylene glycol base fluid that facilitates heat transfer and reduces corrosion and freezing of the circuit</li> <li>Very high heat transfer coefficient, providing much faster and more economical heating</li> <li>Suitable for all types of materials commonly used and compatible with the metals and alloys present in cooling circuits: aluminium, copper, cast iron, brass and the most modern alloys</li> <li>Wide temperature range</li> <li>Increases the life and efficiency of the circulation pump. High thermal conductivity</li> <li>Prevents the formation of sludge and slurry. Prevents clogging of the cooling circuit</li> <li>Excellent corrosion protection. Protects the cooling circuit for long periods of time</li> </ul>



mineral oil



synthetic oil



biodegradable oil





# GREASE

At elesa we have different ranges of greases formulated to cover all types of mechanisms and working conditions. For this, all types of oils and thickeners are used, which are combined to achieve optimum performance for each application.

The different alternatives are grouped into ranges classified according to the thickener.

## elesa ALFA, LITHIUM, SUPERLIT, ARIS

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**Multi-purpose lithium soap greases with excellent thermal stability and a tough lubricating film that prevents metal corrosion.**

## elesa MOLYT

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**Multipurpose lithium soap greases and a range of solid additives, including molybdenum disulphide.**

## elesa GRAF

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**Multi-purpose lithium soap greases and graphite as a solid additive.**

## elesa COMPLEX

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**Multi-purpose lithium soap greases and graphite as a solid additive.**

## elesa LUBE

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**Multipurpose greases mixed lithium and calcium soap and different additive content.**

## elesa CAPLEX

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**Calcium sulphonate multipurpose greases with different additive content.**

## elesa NODROP

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**Synthetic infusible thickening greases, without dropping point and different additive content.**



mineral oil



synthetic oil



biodegradable oil





# LUBRICATING GREASES: LITHIUM COMPLEX SOAP

PRODUCT	QUALITY LEVEL		WELDING LOAD EP (KG)	NLGI	WORKING TEMPERATURE °C	APPLICATIONS	PROPERTIES
	ISO 6743	DIN 51502					
<b>COMPLEX TECH</b>	L-XB-CEB	KPK-20	400	000,00,0,1,2,3	-20 a 160 POINTS OF 180	<ul style="list-style-type: none"> <li>• Electric motors and brakes, wheel bearings, rollers, joints, mills, etc</li> </ul>	<ul style="list-style-type: none"> <li>• High load capacity and high dropping point</li> <li>• With anti-rust and anti-wear additives</li> <li>• Resistant to water washout</li> </ul>
<b>COMPLEX MOS2</b>	L-XB-CEB	KPK-20	500	1, 2	-20 a 160 POINTS OF 180	<ul style="list-style-type: none"> <li>• Metal to metal contacts in steel industry, cement, mining, OP</li> </ul>	<ul style="list-style-type: none"> <li>• COMPLEX TECH variant with the same properties and added Molybdenum Bisulphide, which increases resistance to shock loads</li> </ul>
<b>COMPLEX SINT</b>	L-XE-CEA	KPK-40	400	00, 2	-40 a 160	<ul style="list-style-type: none"> <li>• Ski resorts, snowmobiles: Bearings, bearings, rollers, couplings, electric motors</li> </ul>	<ul style="list-style-type: none"> <li>• Special grease formulated with PAO synthetic oil, which allows operation at very low temperatures</li> <li>• Longer lubrication periods than a mineral grease</li> <li>• Resistance to shock loads as well as water washout</li> </ul>
<b>COMPLEX SINT TF</b>	L-XE-CEA	KPK-40	400	2, 3	-40 a 160	<ul style="list-style-type: none"> <li>• Ski resorts, snowmobiles: Bearings, bearings, rollers, couplings, highly loaded seals, electric motors</li> </ul>	<ul style="list-style-type: none"> <li>• COMPLEX SINT variant with PTFE additive to reduce the wear of friction elements</li> <li>• Severe work on mechanisms subjected to long periods of relubrication in humid environments or in alkaline vapours, acids or cutting oils</li> </ul>
<b>COMPLEX WIND</b>	L-XB-CEB	KPK-20	400	1/ 2	-40 a 160	<ul style="list-style-type: none"> <li>• Wind turbines</li> </ul>	<ul style="list-style-type: none"> <li>• Grease formulated with PAO synthetic bases specifically to withstand sudden changes in temperature without lowering performance</li> <li>• Free of solid lubricants</li> <li>• High shock loads</li> <li>• Outstanding corrosion protection</li> </ul>



● mineral oil     
 ● synthetic oil     
 ● biodegradable oil







# LUBRICATING GREASES: SYNTHETIC No dropping point

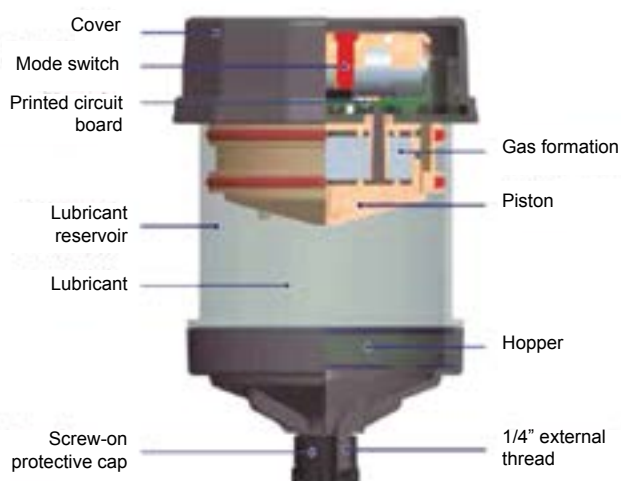
PRODUCT	QUALITY LEVEL		WELDING LOAD EP (KG)	NLGI	WORKING TEMPERATURE °C	APPLICATIONS	PROPERTIES
	ISO 6743	DIN 51502					
<b>NODROP 011 SINT</b>	L-XEDHB	KPEP-60	200	2	-75 a 150	<ul style="list-style-type: none"> <li>Bearings and mechanisms at high and very low temperatures</li> <li>Bearings and mechanisms greased for life</li> <li>Very high speed mechanisms</li> </ul>	<ul style="list-style-type: none"> <li>100% synthetic oil</li> <li>Exceptional low temperature performance</li> <li>F.V. up to 1,000,000</li> </ul>
<b>NODROP 011 SINT MOS2</b>	L-XEDHB	KPEP-60	250	2	-75 a 150		<ul style="list-style-type: none"> <li>NODROP 011 SINT variant with MoS2 as EP and safety lubricant</li> </ul>
<b>NODROP 070</b>	L-XDGEB	KPFPU-40	500	2	-35 a 225	<ul style="list-style-type: none"> <li>All types of mechanisms in contact with hydrocarbons and solvents</li> <li>Protection of seals and elastomers</li> </ul>	<ul style="list-style-type: none"> <li>Extreme High Pressure</li> <li>Very high and low temperatures</li> <li>No carbonaceous residues</li> </ul>
<b>NODROP 070 MoS2</b>	L-XBCEB	KPFP-20	500	2	-35 a 225	<ul style="list-style-type: none"> <li>All types of mechanisms in contact with hydrocarbons and solvents</li> <li>Protection of gaskets and elastomers</li> </ul>	<ul style="list-style-type: none"> <li>Grease with the same properties as SINT 070, with the addition of Molybdenum Disulphide as a safety lubricant</li> <li>Very high EP</li> </ul>
<b>NODROP 090 EP MoS2</b>	L-XBCEB	KPK-20	500	1,2,3	-20 a 175 POINTS OF 200	<ul style="list-style-type: none"> <li>Ball and roller bearings in steel mills, paper mills</li> <li>Bearings and worm and wheel gears</li> <li>Bearings in acidic, corrosive environments</li> <li>Chemical industry, cement plants</li> </ul>	<ul style="list-style-type: none"> <li>Excellent shock load protection</li> <li>Low speeds and medium-high loads</li> <li>High temperatures</li> </ul>
<b>NODROP 090 EP TF</b>	L-XBCEB	KPK-20	400	1,2,3	-20 a 175 POINTS OF 200		<ul style="list-style-type: none"> <li>With PTFE which lowers the coefficient of friction and improves water behaviour</li> <li>Low speeds and medium-high loads</li> <li>High temperatures</li> </ul>
<b>NODROP 091 EP</b>	KPF2P-20	XBEFB-2	315	2	-20 a 150 POINTS OF 180	<ul style="list-style-type: none"> <li>Mechanisms subjected to occasional high temperatures. Non-infusible</li> <li>Ball and roller bearings, bearings and mechanisms rotating at medium speeds and subjected to high loads</li> </ul>	<ul style="list-style-type: none"> <li>Excellent chemical stability and oxidation resistance</li> <li>High corrosion protection</li> <li>Resistant to water washout and acid solutions</li> </ul>
<b>NODROP 090 RPM MoS2</b>	L-XBEFB	KPFP-20	620	1,2,3	20 a 175 POINTS OF 200	<ul style="list-style-type: none"> <li>High speed ball and roller bearings</li> <li>Motor bearings</li> <li>Crushers, mills, screens and centrifuges</li> </ul>	<ul style="list-style-type: none"> <li>With MoS2 which gives very high E.P</li> <li>High temperatures</li> <li>High velocities (PV 600.000)</li> </ul>
<b>NODROP 090 RPM TF</b>	L-XBCEB	KPK-20	500	000,00,0, 1,2, 2/3	20 a 175 POINTS OF 200	<ul style="list-style-type: none"> <li>High speed ball and roller bearings</li> <li>Motor bearings</li> <li>Bearings in the presence of water</li> </ul>	<ul style="list-style-type: none"> <li>With PTFE which lowers the coefficient of friction and improves performance with water</li> <li>High temperatures</li> <li>High speeds (FV 600.000)</li> </ul>
<b>MOLYT</b>	L-XBCEB	KPK-20	250	000,00,0, 1,2,3	-20 a 120 POINTS OF 140	<ul style="list-style-type: none"> <li>Automatic systems in automotive and public works</li> </ul>	<ul style="list-style-type: none"> <li>Multipurpose Grease with Molybdenum Disulphide as solid additive EP</li> </ul>
<b>NODROP 096</b>	L-XBCEB	KPFR-30	620	2	-25 a 180 POINTS OF 300	<ul style="list-style-type: none"> <li>Lubrication of bearings and bearings subjected to high temperatures, such as chains and oven extractors in paper, textile and paint dryers</li> </ul>	<ul style="list-style-type: none"> <li>Suitable for use in corrosive environments</li> <li>Withstands very adverse conditions of pressure and temperature</li> <li>Very high loads</li> <li>Very high temperatures</li> </ul>
<b>NODROP 106</b>	L-XBCEB	KPFEU-40	620	2	-40 a 240 POINTS OF 250	<ul style="list-style-type: none"> <li>High temperature mechanisms and bearings</li> <li>Packaged bearings for life</li> <li>Paint oven chains</li> <li>Mechanisms that withstand very high high loads</li> </ul>	<ul style="list-style-type: none"> <li>Suitable for use in corrosive environments</li> <li>With Molybdenum Disulphide (MoS2) for lubricity and EP properties</li> <li>Service life 10 times longer than other synthetic greases</li> <li>Very high temperatures</li> </ul>



# LUBRICATING GREASES: PERFLUOROCARBON

PRODUCT	QUALITY LEVEL		WELDING LOAD EP (KG)	NLGI	WORKING TEMPERATURE °C	APPLICATIONS	PROPERTIES
	ISO 6743	DIN 51502					
<b>FLUORLUBE</b>	L - XED-HB	KP-FFKU-30	> 800	1, 2/3	- 30 a 250 POINTS OF 270	<ul style="list-style-type: none"> <li>• Works with pure oxygen</li> <li>• Withstands acids, bases and gases</li> <li>• Mechanisms working at very high temperatures</li> <li>• Lifetime lubrication</li> </ul>	<ul style="list-style-type: none"> <li>• Provided with anti-rust and EP additives</li> <li>• Speed factor 300.000</li> <li>• The grease is suitable for high temperature operation</li> <li>• Long lubrication life due to additional PTFE additives</li> <li>• Optimum lubrication</li> </ul>
<b>NODROP 011 SINT MOS2</b>	L - XED-HB	KPEP-60	> 800	2	- 24 a 288 POINTS OF 295		

## ACCESSORIES



### elesa® SINGLE POINT LUBRICATOR

Plastic container with battery.

Sold empty or full

Single-point lubricator with threaded lubricator, which automatically lubricates a critical point of the installation with the grease that best suits the mechanism and without becoming waste.

- Machinery and construction.
- Public works, mining and exploration.
- Naval sector.
- Agriculture.



### elesa® GREASE GUN

Thread: 1/8 GAS (1/8 BSP)  
 Pressure: 300 bar (4.350 psi)  
 Rigid. Ref: 321 0120  
 Flexible. Ref: 321 0229

● mineral oil      ● synthetic oil      ● biodegradable oil















## HI - TECH LUBRICANTS

QUALITY AND PERFORMANCE + WE CARE FOR THE ENVIRONMENT

THIS CATALOG HAS COMMERCIAL VALUE ONLY. TO CONSULT ABOUT ANY PRODUCT, SPECIFICATION AND USE PRESENT IN THIS DOCUMENT, PLEASE CONTACT OUR TECHNICAL SERVICE.

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