

Brugarolas



Industrial lubricants



SPECIAL LUBRICANTS

WIND MILLS



LUBRICATING OILS

Product	Description	Application
BESLUX GEAR XP-320	Mineral oil for gear lubrication, with special additives to avoid micropitting effect.	Multiplier
BESLUX GEARSYNT XP-320	Synthetic PAO oil, with additives to avoid the micropitting effect.	
BESLUX SINCART 320 W ROJO	Synthetic PAG oil (red colour).	Multiplier
BESLUX DIVOL HV	Hydraulic oil, with high viscosity index meeting the DIN 51524 HVLP specifications. Available in different viscosity grades.	Hydraulic break
ARPOLUBE 5606	Special hydraulic oils, with high viscosity index for temperature control.	Hydraulic system
BESLUX HIDRO PLUS-15 XLDS		
FLUID DRIVE HM	Specially intended oil for hydraulic transmissions.	



LUBRICATING GREASES

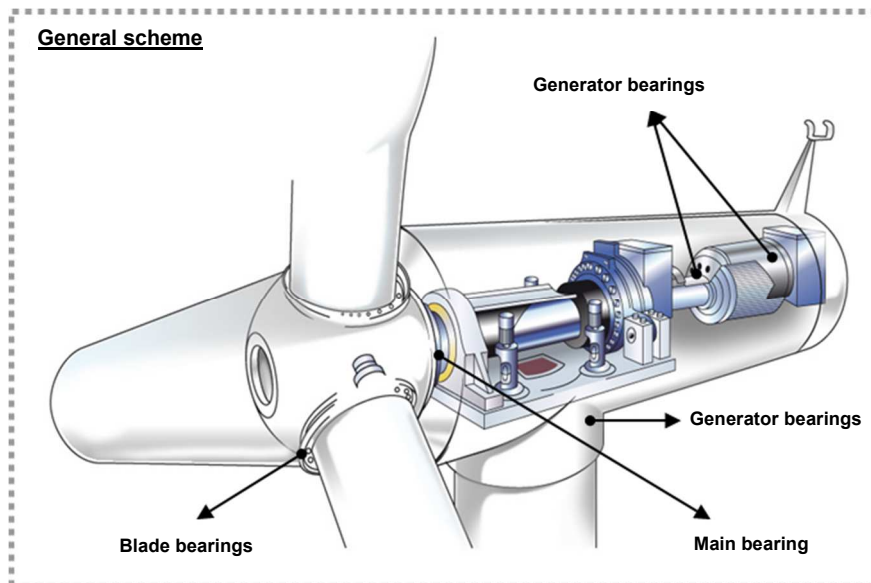
Product	Description	Application
G.A. AUREA-1	High lubricating power Lithium grease with mineral base oil. Contains EP, anti-wear, anticorrosive and anti-oxidant additives.	Main bearings
G. BESLUX LIPLEX H-1/2 S	Lubricating grease, with synthetic base oil with EP and anti-wear additives with high resistance to corrosion. Performs well at low temperatures.	Generator bearings
G. BESLUX LIPLEX M-1/2 S		
G. BESLUX PLEX L-2 EP		
G. BESLUX KOMPLEX DPH LT-1	High mechanical resistant lubricating grease specially designed to perform at low temperatures with low torque. Possesses Anti-False Brinelling properties.	Blade bearings
BESLUX ENGRANAJES SPRAY	Grease spray, for heavy loads with solid lubricants.	Crowns
BESLUX GRASA SPRAY AD	Highly adherent grease spray with additives for loads without solid lubricants (bright colour).	
G. BESLUX CROWN EH-2 WHITE	Lubricating grease with a semi-synthetic base oil, an aluminum complex soap and solid lubricators. Highly sticky and highly stable to heavy loads.	
G. BESLUX KOMPLEX H-300	Highly sticky grease, with EP additives, without solid lubricants. Light colour appearance.	Crowns and ladder-zip
G. BESLUX PLEX M-2/BM	Special grease for coupling between gearbox and generator, CV joint lubrication.	Coupling systems



LUBRICATION POINTS

Lubrication point	Product
Multiplier	BESLUX GEAR XP-320
	BESLUX GEARSYNT XP-320
	BESLUX SINCART 320 W ROJO
Hydraulic break	BESLUX DIVOL HV
Hydraulic system	ARPOLUBE 5606
	BESLUX HIDRO PLUS-15 XLDS
	FLUID DRIVE HM
Main bearings	G.A. AUREA-1
Generator bearings	G. BESLUX LIPILEX H-1/2 S
	G. BESLUX LIPILEX M-1/2 S
	G. BESLUX PLEX L-2 EP
Blade bearings	G. BESLUX KOMPLEX DPH LT-1
Crowns	G. BESLUX CROWN WHITE EH-2 WM
	G. BESLUX KOMPLEX H-300
	BESLUX ENGRANAJES ABIERTOS
	BESLUX GRASA SPRAY AD
Ladder-Zip	G. BESLUX KOMPLEX H-300
Coupling generator	G. BESLUX PLEX M-2/BM

General scheme



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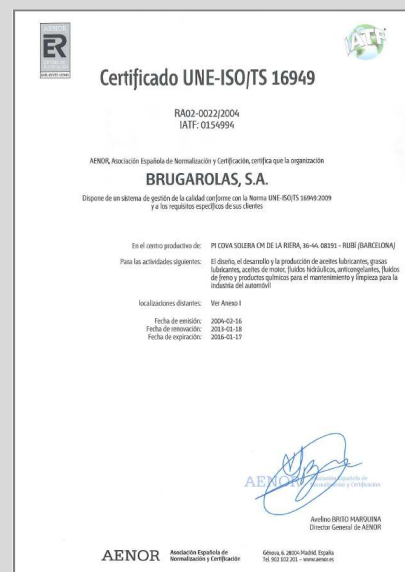
WIND POWER INDUSTRY

Renewable energies such as the wind power energy, demand specially developed and designed lubricants, these must always meet the highest quality standards achievable.

Brugarolas researches, develops and manufactures top-end high quality lubricants in order to guarantee highly efficient and safe products for this sector. In order to do so, **Brugarolas** makes use of its own R+D department, with a fully-equipped laboratory and highly qualified staff, here formulations are studied and optimized in order to confront all kind of difficult working conditions given in the wind-mill industry.

Only a few of our products for this highly important activity are detailed in this product and application guide.

Brugarolas researches, develops, manufactures and supplies lubricants for various industrial activities tested by the highest quality control systems world-wide, meeting the following ISO standards : **IQNET ISO 9001, ISO 9001 e ISO-TS16949.**



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