

WIND ENERGY

Lubrication Solutions



PROVEN QUALITY. LEADING TECHNOLOGY.

GRACO EQUIPMENT KEEPS YOU MOVING

Offering a full range of automatic lubrication systems, Graco provides an unparalleled solution for turbine maintenance and upkeep.

From an easy to access vantage point, pumps feed grease to a metering device to accurately dispense predetermined amounts to each lubrication point.

With automatic lubrication, protect critical wear surfaces and seals, maintaining a consistent maintenance cycle and preventing downtime.

REDUCE LUBRICANT USAGE AND OPERATING COST

Significantly cut maintenance repair costs and maximize machine hours by supplying grease in small amounts at frequent intervals, ensuring proper lubrication when your bearings need it most – while they're in use.

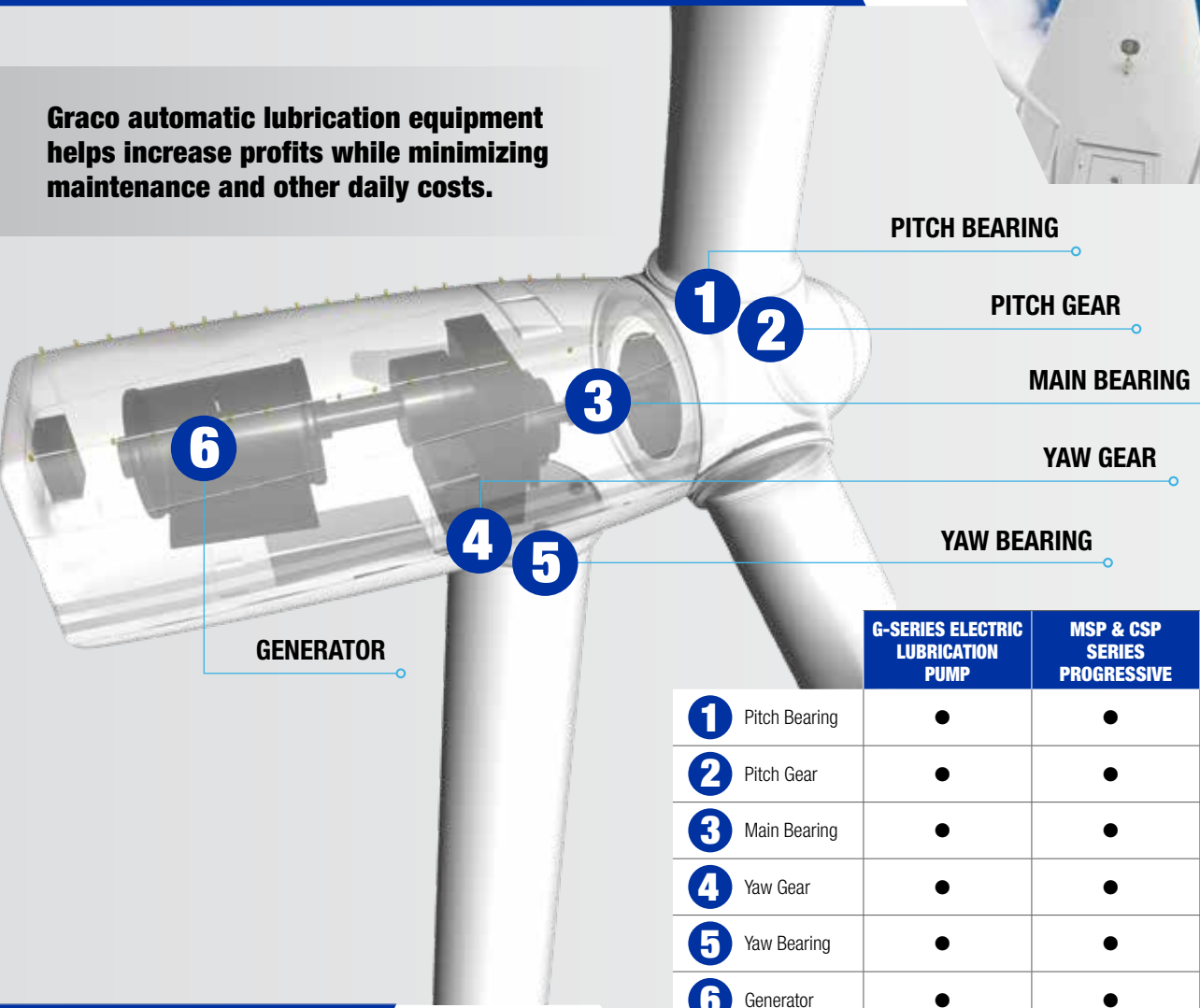
With Automatic Lubrication:

- Minimize downtime and improve equipment performance
- Keep equipment running and maintenance-free to increase hourly throughput
- Optimize lubricant usage, reduce waste and maximize profitability
- Simplify maintenance with a single refill point



GENERATE MORE PROFIT WITH GRACO AUTOMATIC LUBRICATION EQUIPMENT

Graco automatic lubrication equipment helps increase profits while minimizing maintenance and other daily costs.



| | G-SERIES ELECTRIC LUBRICATION PUMP | MSP & CSP SERIES PROGRESSIVE | GL INJECTOR SINGLE-LINE PARALLEL |
|------------------------|------------------------------------|------------------------------|----------------------------------|
| 1 Pitch Bearing | ● | ● | ● |
| 2 Pitch Gear | ● | ● | ● |
| 3 Main Bearing | ● | ● | ● |
| 4 Yaw Gear | ● | ● | ● |
| 5 Yaw Bearing | ● | ● | ● |
| 6 Generator | ● | ● | ● |



G-SERIES ELECTRIC LUBRICATION PUMPS

VERSATILE, POWERFUL AND AFFORDABLE

- G-Series can be customized to meet the unique needs of different applications
- Pumps have a variety of built-in functions to meet control requirements
- For various blade models, capacities 0.5, 1, 2, 4, 8, 12, 16, 20 L are available, with or without follower plate
- Stable operation even in extreme temperatures



MSP VALVES

FOR USE IN SERIES PROGRESSIVE SYSTEMS

- Highly customizable to meet exact equipment specifications
- Equipped with universal NPSF, SAE and BSPP interfaces
- Minimizes downtime with quick change-out of the working section and performance indicators to ensure correct lubrication
- Precision honed pistons ensure the system repeatedly delivers precise amounts of lubricant
- TFE seal system maximizes the lubrication system compatibility

CSP VALVES

SERIES PROGRESSIVE TECHNOLOGY IN A COMPACT PACKAGE

- Available in a variety of configurations
- Built-in durability with zinc iron plating to stand up to harsh environments
- Accurate dispense regardless of back pressure
- Monitoring accessories such as cycle and performance indicators for complete monitoring and positive feedback



High Quality Lubrication Solutions

GRACO OFFERS A COMPLETE LINE OF COST-SAVING LUBRICATION SYSTEMS FOR ALL TYPES OF EQUIPMENT

GL-1™ INJECTORS

FOR USE IN SINGLE-LINE PARALLEL SYSTEMS

- Easy to change output in the field, no need to dismantle lube lines
- Better compatibility with standard TFE sealing system, supporting a wide range of lubricant types and operating temperatures
- Robust design to withstand high wear-and-tear environments



GL-32™ INJECTORS

ADJUSTABLE LUBRICATION SOLUTION TO RELIABLY TARGET MULTIPLE LUBRICATION POINTS

- Long lasting seal design for trouble-free performance
- Easy to design, setup and operate
- Flexibly adjust the number of lubrication points without redesigning the system



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Every Graco purchase comes
with A+ Customer Service.

Questions?
Call (800) 533-9655

For more information visit graco.com