

Innovative and modular solutions for the automatic lubrication, monitoring and preventive maintenance of wind turbines

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WinSoCon provides individually tailored solutions for the automatic lubrication and monitoring for wind turbines. These systems are designed for exact provision of the demanded amount of grease as well as the easy manageability for service personnel.

WinSoCon offers products, for efficient, simple service. All products can be tailored to suit the customers need and individually adapted to the application. The WinSoCon concept suits for modernizing older turbines, that have non or only partial lubrication system, as well as for new turbines.

Modern systems take care of the coordination of all lubrication components and the communication with the turbines control unit. This offers possibilities like remote control and continuous monitoring of the installed solutions. Thus it is possible to check the operating parameters of the lubrication system in real time.



*Products for optimal service.
quick. clean. simple.*



WINSoCON

Lubrication solutions and consulting for windturbines

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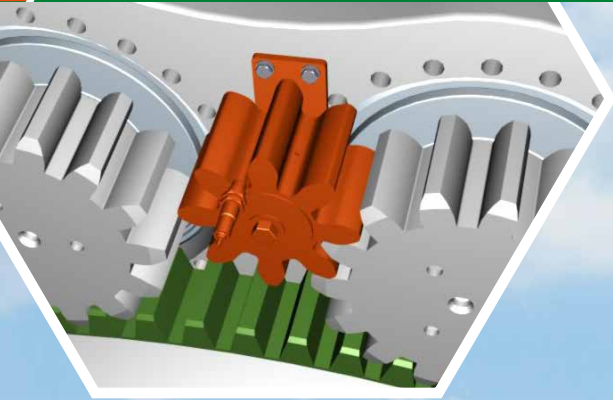


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Lubrication gearwheels

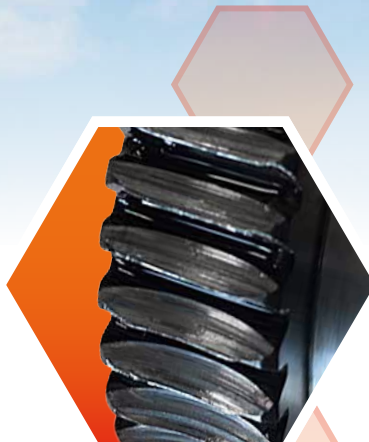
Lubrication gearwheels



Relubrication of open gears

„lubrication gearwheels“ save the medium and apply it continuously on the gear rims.

With the use of lubrication gearwheels for the optimal lubricant supply, wear and corrosion on open gears can be minimized.



Advantages of the WSC gear

- easy to install
- no spraying, no compressed air needed
- usable with greases up to NLGI 2
- optimal storage properties of the WinSoCon foam compared to foamed-, felt-, synthetic-, plastic- or aluminum lubrication gearwheels

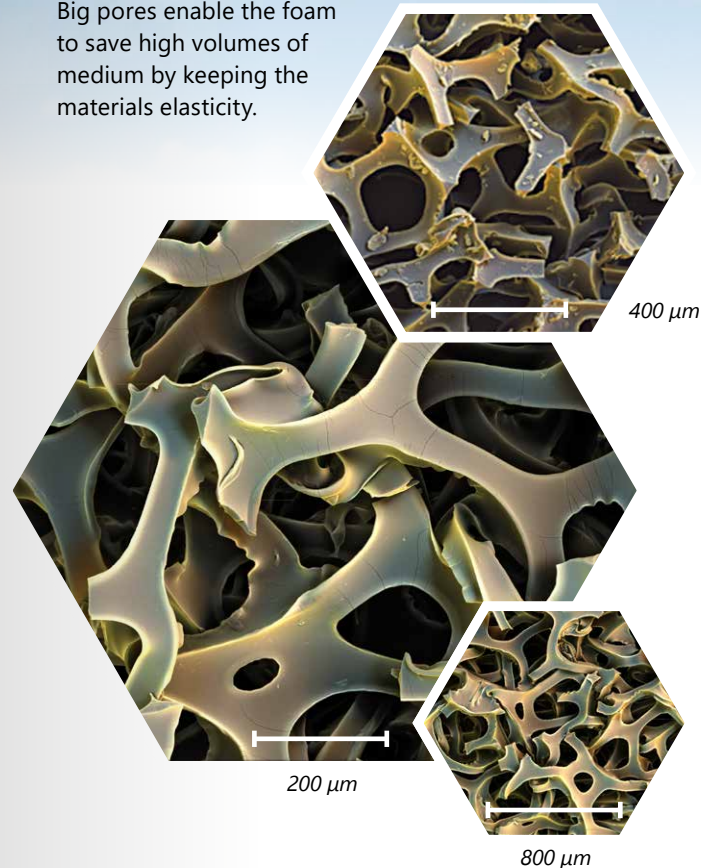
Products for optimal service.

WinSoCon material makes the difference

The WinSoCon foam is comparable to a thickener in grease: Due to its three-dimensional, open celled structure, the foam can save up to 75% of its own weight. Thus the even and permanent supply of a fresh grease film on the gear rim is ensured. Moreover the grease film is continuously renewed.

Foam

Big pores enable the foam to save high volumes of medium by keeping the materials elasticity.



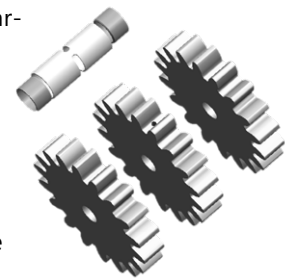
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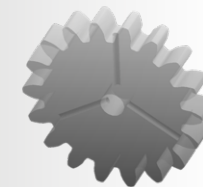
WSC gear

Individually manufactured lubrication gearwheels

The size of the lubrication gearwheel is customized by the combination of individual segments.



The grease is lead into the gearwheel through the axis. Radial drills spread the grease over the width.



Channels that are radially drilled into the foam, lead the grease to the lubrication gearwheels surface, on which it is spread to a uniform film.