OKS 400

# Mounting of wind energy plants

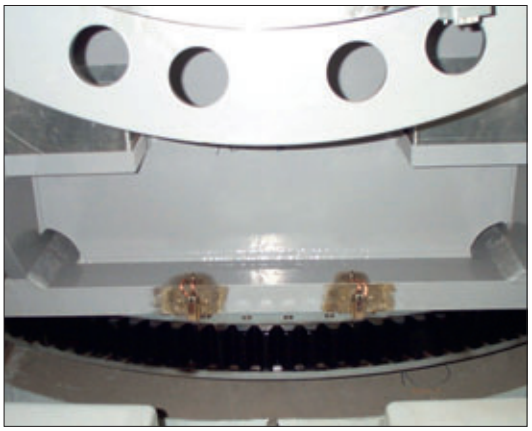
## $MoS_2$-Multipurpose High-Performance Grease

**Greases**

### Advantages and benefits

- Eminently suitable for highly stressed lubrication points
- Highly effective due to dual lubrication effect
- Economical due to possible reduction in frequency of lubrication
- Saving of maintenance and lubricant costs by reducing downtimes and corrective maintenance due to wear

Solid lubricants are substances that, due to their structure and their chemical/physical properties, form closed sliding and parting films on metal surfaces. These films are so thin that fits and tolerances do not have to be changed in mechanical engineering. The best lubrication properties are achieved with $MoS_2$ (molybdenum disulphide). The layer lattice structure and the chemically effective properties on the metal surface produce low friction, high pressure absorption capacity and an excellent wear protection. Even thin films produce an extremely stable layer.
The resultant surface segregation is very welcome during mounting work, especially in the case of the material combination steel on steel. The mounting process then becomes manageable even under adverse conditions of the construction site. During the process of joining segments that weigh several tons of the tower and the nacelle, the components, bolts, sockets and cones have to be joined smoothly.



### Product description

The $MoS_2$ high-performance grease OKS 400 is a speciality lubricant that is used in particular at sliding surfaces subjected to high loads. The molybdenum disulphide contained in the grease can play out its advantages in particular in the field of boundary and mixed friction or during insertion processes. Under load the $MoS_2$ forms a sliding film on the surface that reduces the friction coefficient at very high surface pressures and prevents direct contact of the components with each other.

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