



# Slew on the safe side

**With proven standard solutions IMO provides maximum load capacity for small wind turbines – in one complete unit.**

easy mounting of AC or DC motors with or without brake

fully housed high capacity worm gear

the inner ring is attached firmly to the housing

the outer ring rotates in relation to the inner ring and the housing

totally encapsulated



## Small Wind Turbines

## Yaw Drives & Blade Bearings

### WD-L 0343

- Yaw Drive for 20 kW turbine
- maximum moment load 71 kNm
- maximum torque 12.9 kNm

### WD-L standard series

- metric: 8 sizes, torques from 3.2 to 42.8 kNm
- imperial: 5 sizes, torques from 6861 to 31585 ft-lbs

- 20 kW turbines
- 50 kW turbines
- 100 kW turbines
- horizontal axis
- vertical axis

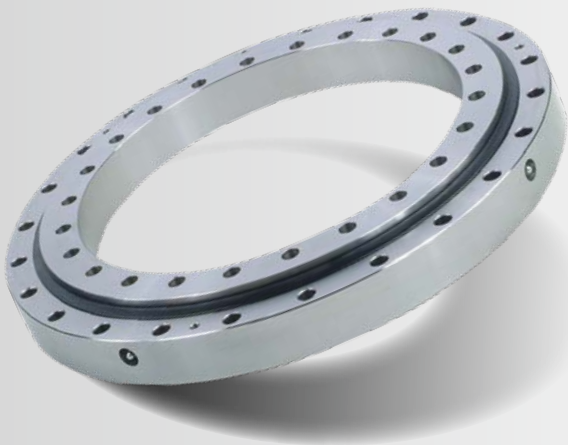
## IMO Yaw Drives and Blade Bearings

- compact & space-saving
- cost efficient & proven design
- maximum load capacity
- one complete unit – easy to integrate
- encapsulated & protected
- extended life & low maintenance cost

**Simply the best technical solution.**



## Blade Bearings



### 4-point contact ball bearing Slewing Rings

- Blade Bearing for 50 kW wind turbine
- maximum moment load 144 kNm
- internal, external or no gears

**Slewing Ring 10-25 0455**

IMO supplies the world market leaders in small wind turbines and photovoltaic business. More than 30,000 IMO Yaw Drives are installed in small wind turbines and PV trackers world wide.

## Yaw Drives

### spur pinion driven

- Yaw Drive for 20 kW turbine
- maximum torque 11 kNm
- maximum moment load 51 kNm
- includes DC drive with brake
- self-contained in housing

**SP-ME 0411**



- Yaw system for 100 kW turbine
- maximum torque 86 kNm
- maximum moment load 1,600 kNm
- includes AC drives with brakes
- one or multiple drives

**SP-HE 1400**

# IMO

made in Gremsdorf,  
Germany

More than 25 years on your side.

### Headquarters

IMO GmbH & Co. KG  
Imostr. 1  
91350 Gremsdorf  
Germany

Tel. +49 9193 6395 - 3128  
Tel. +49 9193 6395 - 1481  
Fax +49 9193 6395 - 4145  
wind@imo.de

### Your contact in the US

IMO USA Corp.  
Tel. +1 843 695-6200  
americas@imo.us

