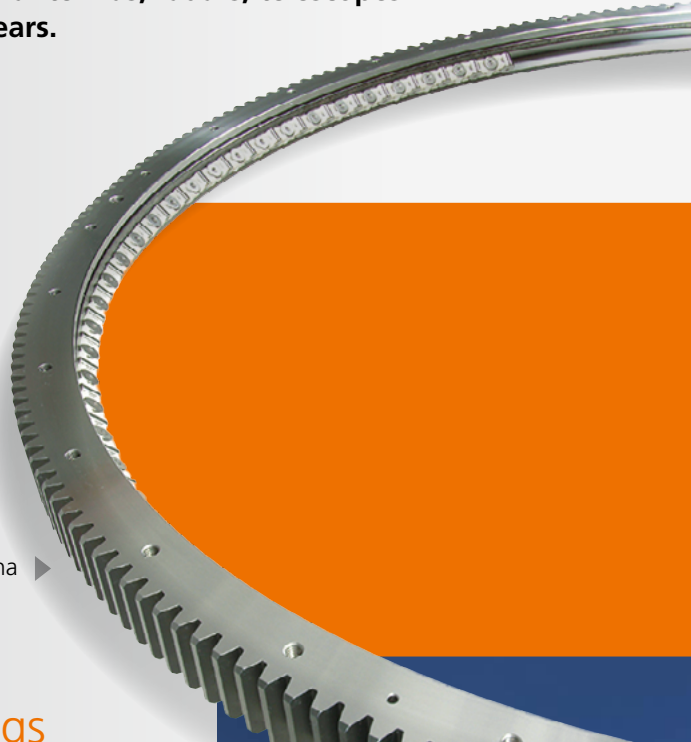




# Precise, reliable, proven

**IMO slewing rings continued to impress with the highest precision and running accuracy in antennas, radars, telescopes and mirrors for many years.**



Single-row cross roller bearing with external gear for an antenna ▶

Radars  
Antennas  
Telescopes  
Mirrors

## IMO slewing rings

- diameters exceeding 6 m
- cross roller slewing rings
- single row and double row ball slewing rings
- 3-row roller slewing rings
- external gear, internal gear or without gear
- reduced bearing gaps for precision operation
- special sealing
- special raceway geometries
- surface coatings

This 4.5 m antenna uses an IMO ball slewing ring with internal gear for azimuth and elevation axis bearing and control ▶

Single-row ball slewing rings are usually installed in weather radars and observatories ▼

- weather radars
- military radars & antennas
- communication systems
- satellite antennas
- astronomical equipment
- sonars
- reflector telescopes
- solar-thermal mirrors (stirling motors)
- ...



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# Your Advantages

## for purchasing

- focus on cost-effective solutions
- reliable delivery times
- quick turnaround

## for service

- reduced servicing costs
- long service life
- worldwide service and spare parts

## for engineering

- precise raceway systems
- customer-specific solutions
- minimal rotational friction
- highest precision

## for end customers

- customized solutions
- high levels of operational safety
- low overall costs



A single-row ball slewing ring is used as an axial bearing for this 10 m antenna.



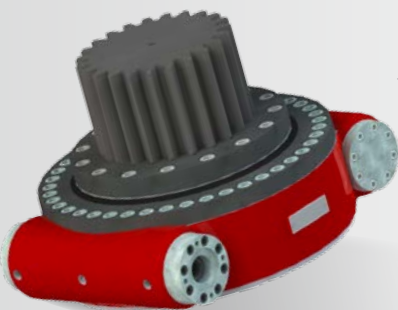
# IMO

made in Gremsdorf,  
Germany

More than 25 years on your side.

## IMO Slew Drives

- pinion and worm driven versions
- closed housing for harsh environmental conditions
- max. torques up to 450 kNm
- max. breakaway torque load up to 1200 kNm
- raceway diameters up to approx. 1000 mm



◀ Worm driven slew drive in combination with an output pinion. Used for satellite dishes

Yaw and pitch joint of this sun table (stirling motor) are moved by the slew drives in the WD-L range ▶



## Certifications

- ISO 9001
- ISO 14001
- OHSAS

## Headquarters

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