

**IMO GmbH & Co. KG:**

Products needed to manufacture Slewing Rings at IMO:

- ☒ Seamless rolled steel rings in diameters from approx. 100 mm to 6,000 mm; material C45 and 42CrMo 4
- ☒ Balls according to DIN 5401 and cylindrical rollers according to DIN 5402. Diameters from 12 mm up to 70 mm
- ☒ Tools for mechanical machining (turning and drilling)
- ☒ Plastic/rubber (caoutchouc) seals (extrusion)
- ☒ Sheet metal consisting of material QSTE380N or St52-3 (manufacturing process includes: laser cutting, welding, surface treatment such as coating, flame spraying etc.)
- ☒ Lubricants

Supplier provided processes:

- ☒ Turning, CNC controlled
- ☒ Drilling
- ☒ Tothing
- ☒ Hardening (induction hardening)
- ☒ Metallization (corrosion protection)

**IMO Antriebseinheit GmbH & Co. KG:**

Products needed to manufacture Slew Drives at IMO Antriebseinheit:

- ☒ Welded sheet metal housings in sizes up to 500x1300x1400 mm consisting of material QStE380N or St52-3 (manufacturing process includes: laser cutting, bending, forming, welding, mechanical machining (optional), prime coating)
- ☒ Cast housings consisting of material GGG-40.3 and GS 60 in sizes up to 250x1000x1000 mm (unmachined cast parts)
- ☒ Mechanical machining of cast housings consisting of material GGG-40.3 and GS 60 up to size 250x1000x1000 mm
- ☒ Worm gears consisting of material GGG-70 up to size  $\varnothing 750$  mm x h=250 mm (manufacturing process includes: turning, drilling, tapping)
- ☒ Tothing of worm gears consisting of GGG-70 up to size  $\varnothing 750$  mm x h=250 mm
- ☒ Worm shafts consisting of 16MnCr5 up to size  $\varnothing 80$ x560 mm
- ☒ Turned parts consisting of material 42CrMo4V or St52-3 up to size  $\varnothing 1000$  mm x h=40 mm
- ☒ Small turned parts in diameters from  $\varnothing 20$  mm up to  $\varnothing 200$  mm consisting of material St52-3, 100CrMo7.3, 42CrMo4V; etc.

If you are interested in becoming a supplier of IMO, please fill in the '[Suppliers Questionnaire](#)' found on our website.