



Please fill in the form and send to:

Our Application Data Sheets can also be downloaded from our website: www.imo.de

IMO GmbH & Co. KG
 Imostrasse 1 - 91350 Gremsdorf, Germany
 Email: sales@imo.de

1. Contact details

Customer

IMO

Company: _____
 Postal code/City: _____
 Country: _____
 Contact person: _____
 Email: _____ Phone: _____

Contact person: _____
 Email: _____
 Phone: _____
 File number: _____

Fields highlighted in grey show our standard options. In case of insufficient customer information we take these as the basis of our calculation.

2. Application

In case of several slew drives per application, please fill in a separate application data sheet for each slew drive.

Description of plant/system (please provide a sketch):

Function of slew drive in plant/system?

Current solution?

3. Special requirements

Military/Nuclear Application: No Yes, Military Yes, Nuclear

Operating/Ambient temperature: IMO-Standard (-20°C ... 70°C) from _____ °C - _____ °C

Do shocks or vibrations occur? No Yes, which? _____

Special environmental conditions? IMO-Standard (dust & water spray) Seawater Food industry
 Other: _____

Special certification/approval required? No Yes, which? _____

4. Preferred slew drive

Drive type: Worm gear (WD) Spur gear (SP) No preference

Preferred slew drive type/designation? _____

Limiting size and/or interface dimensions?

5. Additional attachments

Drive: Without motor IMO-Standard (default hydraulic motor)

Hydraulic motor $\Delta p_{max} =$ _____ bar $Q_{max} =$ _____ l/min

Electric motor (3 phase AC-motor)

Voltage 230 V 400 V _____ V

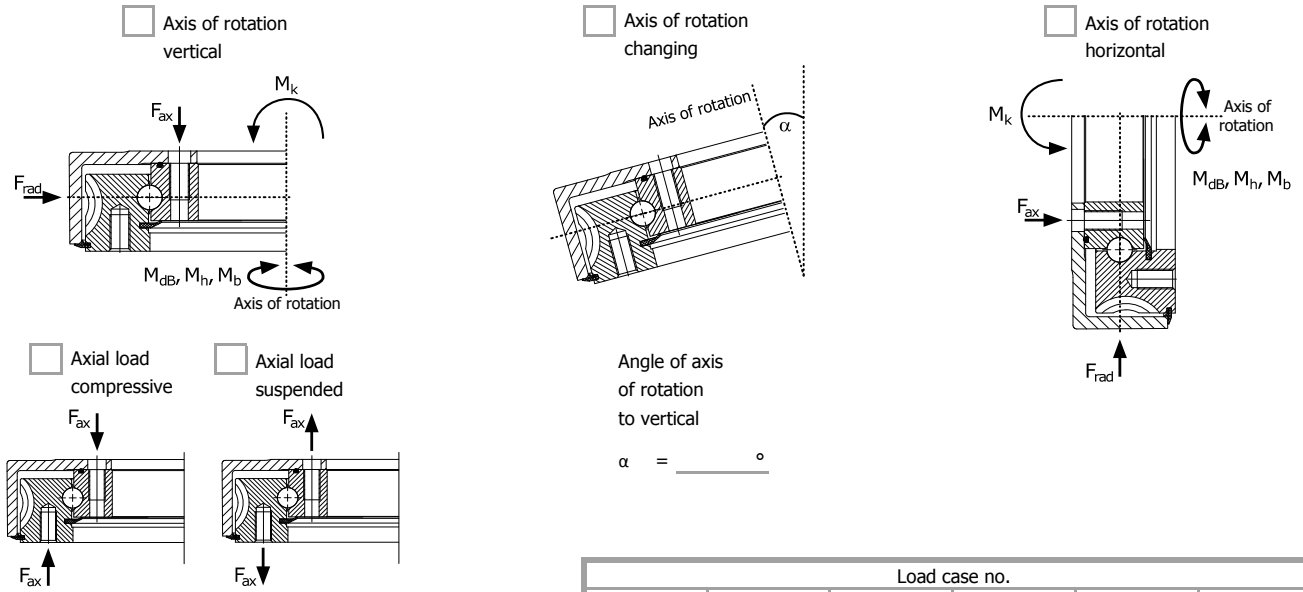
Frequency 50 Hz 60 Hz

Brake volt. (if appl.) 24 V DC 230 V AC 400 V AC

Holding brake: Not required Yes (IMO recommendation for 100% safe hold)

Slew angle monitoring: Not required Yes, IMO default type (» see Application Data Sheet - Encoder - FM AEA 002)
 Yes, customer specific (» please supply detailed specification, see Section 8)

6. Mounting position and loads



Load case no.					
1	2	3	4	5	6

Axial load	F_{ax}	N				
Radial load	F_{rad}	N				
Tilting moment	M_k	Nm				
Operating torque	M_{dB}	Nm				
Holding torque	M_h	Nm				
Additional acceleration torque	M_b	Nm				
Alternatively	Moment of inertia about the axis of rotation	J	kg m ²			
	Duration of acceleration/deceleration	Δt_b	s			
Operating speed	n	1/min				
Slewing angle (degrees it will rotate)	δ_s	°				
Duration of load case (Total = 100%)		%				

Are safety factors included in the loads above? No Yes, which (value)? _____

Should additional load increasing factors be included in the loads? No Yes, which (value)? _____

Continuous operation (> 80%/min): No Yes

Slewing direction: One direction only Alternating (both directions)

Desired life time in years: _____ a

Slewing time of slew drive per year (slew drive is turning): _____ h/a

Slewing time for one cycle of operation: _____ s

Operation cycles of plant/system per hour: _____ 1/h

Operating hours of plant/system per year: _____ h/a

Description of load cases: We recommend providing at least one normal load case with a higher time share (e.g. 90%) and one extreme load case with a lower time share (e.g. 10%) for a better calculation result.

If necessary, attach further explanations.



7. Commercial data

Expected yearly demand:	_____ units/year	Required batch size:	_____ units/delivery
Required sample date:	_____	Planned production start:	_____
Target price range:	_____	Desired offer date:	_____

8. Comments

Are there any additional customer requirements (e.g. standards and certification, special packaging, quality control agreements) that must be considered?

Additional helpful information from the customer (e.g. application description, operating cycle description, drawings, photos, etc.)?

9. Customer confirmation

I herewith confirm the correctness of the data provided above as the basis for the design and offer.

If not otherwise specified, the grey standard options will be assumed.

Date/Name/Signature