

Application Data Sheet - Slew Drives

Please fill in the form and send to:
IMO Antriebseinheit GmbH & Co. KG - Gewerbepark 16 - 91350 Gremsdorf, Germany - Fax: +49 9193 6395-2140

1. Contact

File number: _____

Customer:

Company: _____ Homepage: _____
 Contact person: _____ Email: _____
 Street: _____ Tel.: _____
 Country: _____ Fax: _____
 ZIP code/city: _____

IMO Antriebseinheit:

Contact person: _____
 Tel.: _____
 Email: _____

Customer data
IMO data

An application data sheet which is filled in completely is the basis for the best design solution.

Military application: No Yes

2. Application

Application description (sketch, if required): _____

Does a solution already exist? No Yes

If yes, which one: _____

Should limited sizes and interface dimensions be considered? No Yes

If yes, what should be considered: _____

Position of rotation axis:

Vertical Horizontal Changing α Degrees

Load direction:

compressive load suspended load

Operating/ambient temperature: Minimum deg F Normal deg F Maximum deg F
 Do shocks or vibrations occur? No Yes
 Self-locking/brake required? No Yes
 Special seals required? No Yes which: _____

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3. Load

			Load case nr.						Customer data	IMO data
			1	2	3	4	5	6		
a)	Axial load	F_{ax} lbs								
b)	Radial load	F_{rad} lbs								
c)	Tilting moment	M_k ft-lbs								
d)	Operating torque	M_{dB} ft-lbs								
e)	Holding torque	M_h ft-lbs								
f)	Additional accelerating torque	M_b ft-lbs								
	Operating speed	n min ⁻¹								
	Slewing angle	δ_s Grad								
	Duration of load case (Total=100%)	%								
	Max. slewing time per minute	ED_B %/min								

Are safety factors included in the load calculations a) to f)? No Yes which: _____

Should additional load increasing factors be included in the load calculations a) to f)? No Yes which: _____

Continuous operation No Yes

Slewing direction one direction only alternating directions

Description of load case:

Load case 1: _____

Load case 2: _____

Load case 3: _____

Load case 4: _____

Load case 5: _____

Load case 6: _____

Operating time of plant in years a

Operating hours of plant per year h

Slewing time of Slew Drive/year h

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4. Drive concept

with hydraulic motor	<input type="checkbox"/>				
max. available pressure difference	Δp	<input type="checkbox"/>	psi	<input type="checkbox"/>	<input type="checkbox"/>
max. available oil flow	Q	<input type="checkbox"/>	gal (US)/min	<input type="checkbox"/>	<input type="checkbox"/>
or:					
with electric motor	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
rated voltage		<input type="checkbox"/>	Volt	<input type="checkbox"/>	<input type="checkbox"/>
mains frequency		<input type="checkbox"/>	Hz	<input type="checkbox"/>	<input type="checkbox"/>
or:					
without motor	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

5. Additional customer requirements

Do additional customer requirements exist (e.g. standards and specifications, special approval criteria, inspection certificates, special packaging, quality assurance agreements) which have to be considered? No Yes

If yes, which: _____

6. Commercial data

Expected yearly usage	<input type="text"/>	pieces per year	<input type="checkbox"/>	<input type="checkbox"/>
Planned call-off quantity (lot size)	<input type="text"/>	pieces	<input type="checkbox"/>	<input type="checkbox"/>
Project duration	<input type="text"/>	years	<input type="checkbox"/>	<input type="checkbox"/>
Required date for Slew Drive sample	<input type="text"/>		<input type="checkbox"/>	<input type="checkbox"/>
Planned production start	<input type="text"/>		<input type="checkbox"/>	<input type="checkbox"/>
Required offer date	<input type="text"/>		<input type="checkbox"/>	<input type="checkbox"/>
Target price range	<input type="text"/>	Euro/piece	<input type="checkbox"/>	<input type="checkbox"/>

7. Further information

Further information for choosing the best design solution for the application.
(e.g. description of application and cycle, drawings, pictures etc.)

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

8. Customer confirmation

Herewith, we accept the data/approval according to the application data sheet for the design and offer proposal.

Date/name/signature