

## 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: \_\_\_\_\_

Customer data

IMO data

#### IMO Antriebseinheit:

Contact person: \_\_\_\_\_  
 Tel.: \_\_\_\_\_  
 Email: \_\_\_\_\_

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?

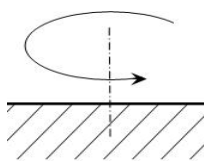
No ☐ Yes ☐

☐ ☐

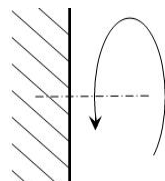
If yes, what should be considered:

#### Position of rotation axis:

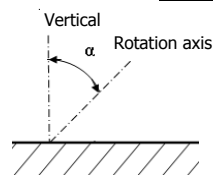
Vertical ☐



Horizontal ☐



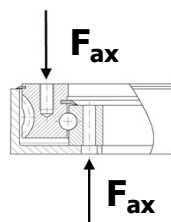
Changing ☐



$\alpha$  ☐ Degrees

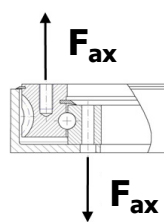
☐ ☐

#### Load direction:



☐

compressive load



☐

suspended load

☐ ☐

Operating/ambient temperature:

Minimum ☐ °C

Normal ☐ °C

Maximum ☐ °C

☐ ☐

Do shocks or vibrations occur?

No ☐

Yes ☐

☐ ☐

Self-locking/brake required?

No ☐

Yes ☐

☐ ☐

Special seals required?

No ☐

Yes ☐

which:

☐ ☐

\_\_\_\_\_

## Application Data Sheet - Slew Drives

### 3. Load

			Load case nr.						Customer data	IMO data
			1	2	3	4	5	6		
a)	Axial load	$F_{ax}$ N								
b)	Radial load	$F_{rad}$ N								
c)	Tilting moment	$M_k$ Nm								
d)	Operating torque	$M_{dB}$ Nm								
e)	Holding torque	$M_h$ Nm								
f)	Additional accelerating torque	$M_b$ Nm								
	Operating speed	$n$ min <sup>-1</sup>								
	Slewing angle	$\delta_s$ 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

☐ ☐

## Application Data Sheet - Slew Drives

### 4. Drive concept

with hydraulic motor	<input type="text"/>				
max. available pressure difference	$\Delta p$	<input type="text"/>	bar	<input type="text"/>	<input type="text"/>
max. available oil flow	Q	<input type="text"/>	l/min	<input type="text"/>	<input type="text"/>
<b>or:</b>					
with electric motor	<input type="text"/>			<input type="text"/>	<input type="text"/>
rated voltage	<input type="text"/>		Volt	<input type="text"/>	<input type="text"/>
mains frequency	<input type="text"/>		Hz	<input type="text"/>	<input type="text"/>
<b>or:</b>					
without motor	<input type="text"/>			<input type="text"/>	<input type="text"/>

### 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:

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### 6. Commercial data

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

### 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. 

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2. 

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3. 

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4. 

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5. 

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6. 

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### 8. Customer confirmation

Herewith, we confirm that the data mentioned above can be used for the design and offer proposal.

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Date/name/signature