Distributed by:

KRAFT FLUID SYSTEMS | 800-257-1155 ● FAX 440-238-5266
Email: csdept@kraftfluid.com

IMO

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

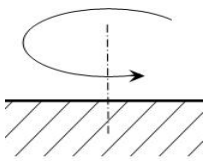
Application description (sketch, if required): ☐ ☐

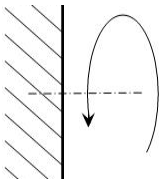
Does a solution already exist? No ☐ Yes ☐ ☐ ☐
If yes, which one:

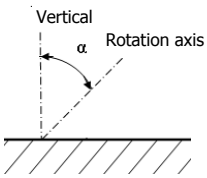
Shold limited sizes and interface dimensions be considered? No ☐ Yes ☐ ☐ ☐
If yes, what should be considered:

Position of rotation axis:

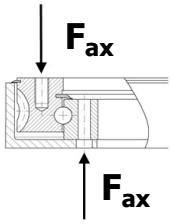
Vertical ☐ Horizontal ☐ Changing ☐ α ☐ Degrees ☐ ☐



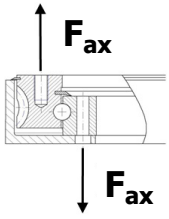




Load direction:



☐ 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:			☐ ☐

Distributed by:

KRAFT FLUID SYSTEMS

800-257-1155 ● FAX 440-238-5266
Email: csdept@kraftfluid.com

IMO

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}	lbs								
b)	Radial load	F_{rad}	lbs								
c)	Tilting moment	M_k	ft-lbs								
d)	Operating torque	$M_{d\,B}$	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

Distributed by:

KRAFT FLUID SYSTEMS

800-257-1155 ● FAX 440-238-5266
Email: csdept@kraftfluid.com

IMO

Application Data Sheet - Slew Drives

4. Drive concept

				Customer data	IMO data
with hydraulic motor		☐			
max. available pressure difference	Δp	☐	psi	☐	☐
max. available oil flow	Q	☐	gal (US)/min	☐	☐
or:					
with electric motor		☐		☐	☐
rated voltage		☐	Volt	☐	☐
mains frequency		☐	Hz	☐	☐
or:					
without motor		☐		☐	☐

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

			Customer data	IMO data
Expected yearly usage	☐	pieces per year	☐	☐
Planned call-off quantity (lot size)	☐	pieces	☐	☐
Project duration	☐	years	☐	☐
Required date for Slew Drive sample	☐		☐	☐
Planned production start	☐		☐	☐
Required offer date	☐		☐	☐
Target price range	☐	Euro/piece	☐	☐

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