



Wolf Kunststoff-Gleitlager GmbH

Heisenbergstr. 63-65
 Industriegebiet II
 50169 Kerpen - Türrnich
 Deutschland

Telefon: +49 2237 9749-0
 Telefax: +49 2237 9749-20
 Email: info@zedex.de
 Internet: www.zedex.de

Questionnaire Slide Bearing:

1. general data:

date: _____

company: _____
 street: _____
 town: _____
 country: _____

contact person: _____
 compartment: _____
 phone nr.: _____
 telefax nr.: _____



2. application:

description of the application: _____
 present material: _____
 demand each year: _____ present price: _____
 why do you want to use plastic: _____
 which disadvantages should be discontinued: _____

 grade of function impairing: _____

 which advantages should be reached: _____

3. type of bearing:

- radial bearing axial bearing
 enclosed  not enclosed 

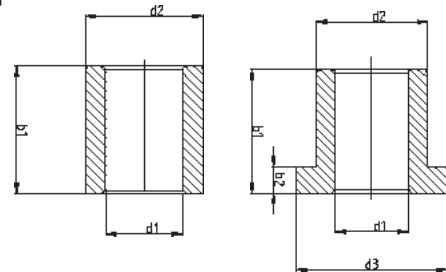
4. connecting parts:

bore of housing and tolerance : _____ mm
 shaft diameter and tolerance: _____ mm
 material of housing: _____
 shaftmaterial: _____
 roughness height of shaft Ra: _____ μm

← obligatory demand
 ← wish-demand

5. dimensions of bearing:

- inside diameter d1: _____ mm
 outside diameter d2: _____ mm
 length b1: _____ mm
 collar diameter d3: _____ mm
 collar thickness b2: _____ mm
 maximum radial clearance: _____ mm
 minimum radial clearance: _____ mm



6. attachment of the bearing:

← obligatory demand
← wish-demand

stiff fit of the bearing in the housing stiff fit of the bearing on the shaft

by positive connection by non-positive connection by a connection
 by dowel pins by pressing in by glueing
 _____ _____ _____

7. surrounding medium:

outside use inside use

medium: _____ °C

air with a temperature of _____ °C
and a relative humidity of _____ %

chemicals
name: _____
concentration: _____ % pH value: _____ temperature: _____ °C

8. medium between connecting surfaces:

8.1. lubrication

no lubrication - dry operation -
 oil lubrication
 fat lubrication
 fat lubrication unique
 water lubrication:
available water volume flow rate: _____ kg/s
existing water flow temperature: _____ °C
maximum water outlet temperature: _____ °C

other: _____

8.2. medium between shaft and bearing:

abrasive particles:
 material: _____
 size: _____
 amount: _____

other: _____

as surrounding medium

9. electrical influences:

demanded electrical characteristics:

penetration resistance _____ kV/mm
 dielectric constant _____
 loss factor _____
 resistivity _____ Ohm/cm
 surface resistance _____ Ohm

10. load:

10.1 radial load static stress fatigue stress cyclic stress

continuously: _____ N maximum: _____ N impact factor: _____

loading time of static radial load: _____ ms / s / min / h / days / years

loading time of max. radial load: _____ ms / s / min / h / days / years

how often per time unit does the max. radial load occur: _____

low long are the breaks between the max. radial force: _____

10.1. axial loads: static stress fatigue stress cyclic stress

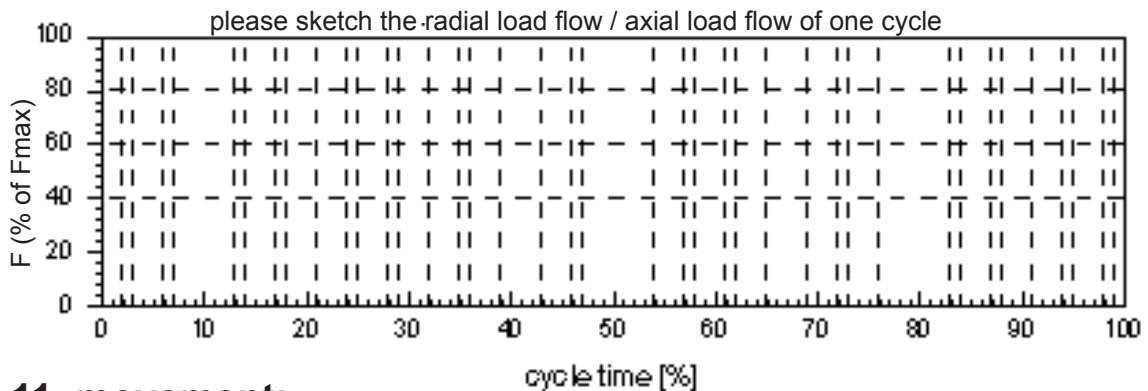
continuously: _____ N maximum: _____ N impact factor: _____

loading time of the static axial - load: _____ ms / s / min / h / days / years

permanence of a load cycle: _____ ms / s / min / h / days / years

ammount of load cycles per time unit : _____

how long are the breaks between the load cycles: _____



11. movement:

no movement further on at 12.

no rotation further on at 11.2

11.1. rotation:

permanent screwspeed: _____ maximum screwspeed: _____ min⁻¹

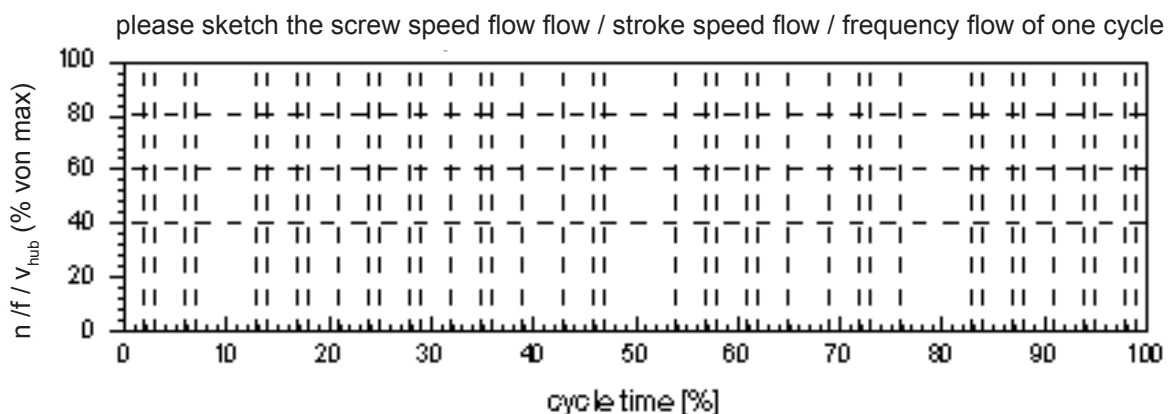
loading time at permanent screwspeed: _____ ms / s / min / h / days / years

loading tim at maximum screwspeed: _____ ms / s / min / h / days / years

permanence of one load cycle: _____

number of load cycles per time unit: _____

how long are the breaks between the load between the load cycles: _____



no oscillation further on at 11.3

11.2. oscillation:

tilting angle: _____ °

permanent frequency : _____ Hz maximum frequency: _____ Hz

loading time with perm. frequency: _____ ms / s / min / h / days / years

loading time with max. frequency: _____ ms / s / min / h / days / years

permanence of one stress cycle: _____

how long are the breaks between the stress cycles: _____

no translation further on at 12

11.3. stroke movement:

permanent stroke speed:

perm. stroke: _____ mm strokes per time unit: _____

maximum strokespeed:

max. stroke: _____ mm strokes per time unit: _____

loading time with max. strokespeed: _____ ms / s / min / h / days / years

permanence of one stroke: _____ ms / s / min / h / days / years

how long are the breaks between the strokes: _____

← obligatory demand
← wish-demand

12. ambient temperature:

sustained temperature: _____ ° C

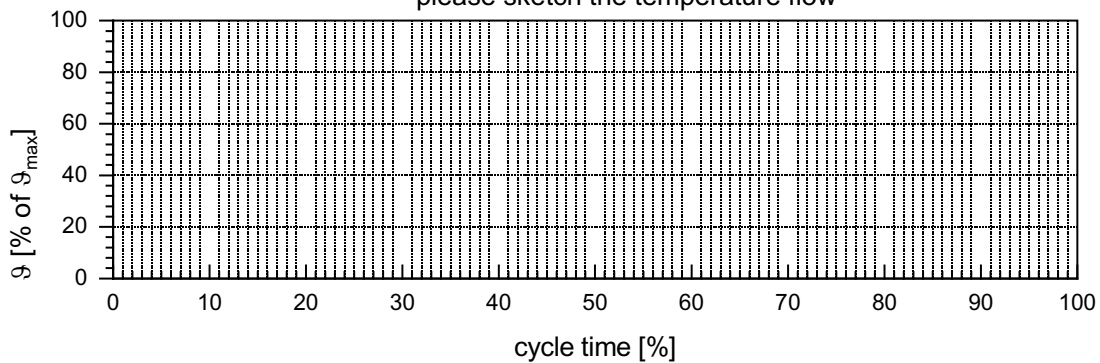
max. temperature: _____ ° C

how often per time unit does the max. temperature occur: _____

how long does the max. temperature occur per time unit: _____

what medium transfers the temperature: _____

please sketch the temperature flow



which movement and load occurs simultaneous with the heat exposure:

radial load:

- none
- permanent as at 10.1
- maximum as at 10.1
- other: _____ N

axial load:

- none
- permanent as at 10.2
- maximum as at 10.2
- other: _____ N

movement:

- rotation
 - none
 - permanent as at 11.1
 - maximum as at 11.1
 - other: _____

- translation
 - none
 - permanent as at 11.3
 - maximum as at 11.3
 - other: _____

- oscillation
 - none
 - permanent as at 11.2

- maximum as at 11.2
- other: _____

← obligatory demand
← wish-demand

13. working life:

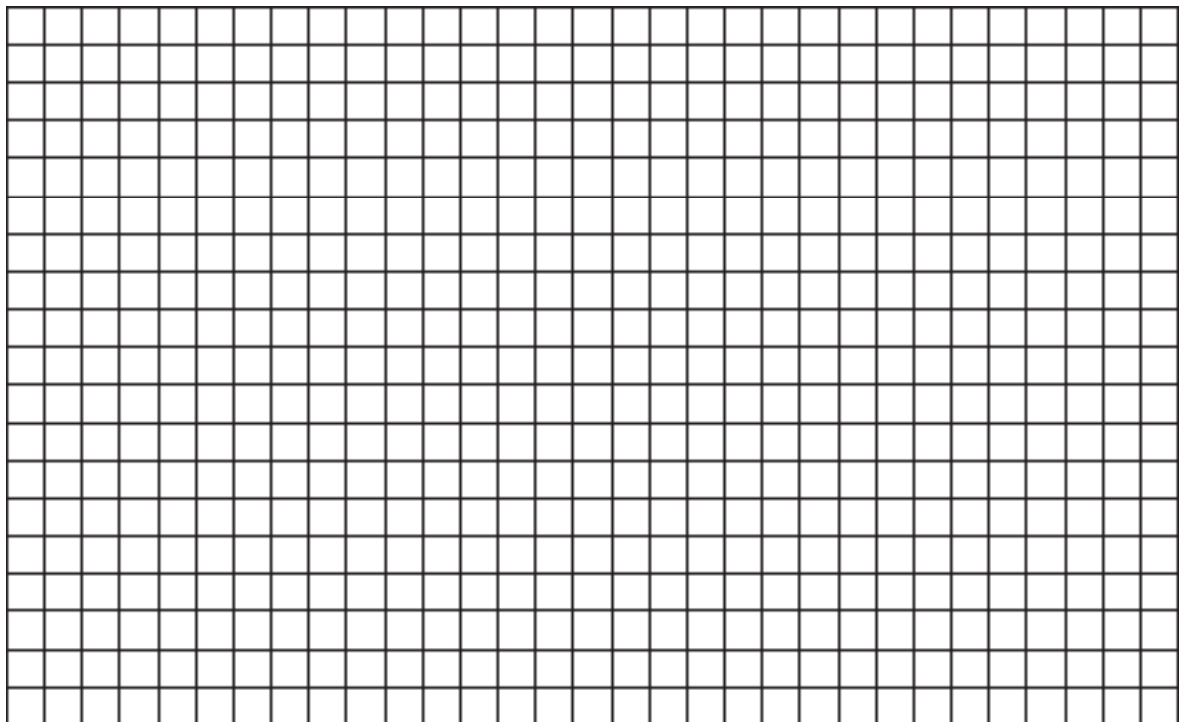
- wished working life: _____ h
- permissible clearance increase
 - maximum radial clearance after _____ hours of operation _____ mm
 - maximum axial clearance after _____ hours of operation _____ mm

14. miscellaneous:

- special material wishes _____
- additional conditions to be served: _____

The more information you give to us by this questionnaire, the more precise solution we can work out for your application!

Please add a representation or a sketch of your application!



AGM:

KM:

KO: