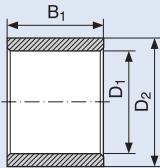
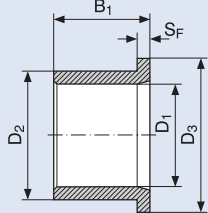
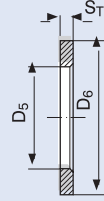
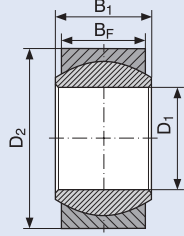
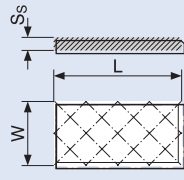


# Design data for sliding bearings

Description of application: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Project / no.: \_\_\_\_\_  New design  Existing design

 <p><input type="checkbox"/> Plain bearing</p>	 <p><input type="checkbox"/> Flanged bearing</p>	 <p><input type="checkbox"/> Thrust washer</p>	 <p>Spherical bearing  <input type="checkbox"/> Floating bearing <input type="checkbox"/> Fixed bearing</p>	 <p><input type="checkbox"/> Sliding plate</p>
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Shaft rotates  Bearing rotates  Angular motion  Axial motion

	Item 1	Item 2	Item 3
Quantity			
<b>Dimensions (in mm)</b>			
Inner Ø $D_1(D_5)$			
Outer Ø $D_2(D_6)$			
Bearing width $B_1$			
Outer ring width $B_F$			
Flange outer Ø $D_3$			
Flange thickness $S_F$			
Wall thickness $S_T$			
Plate length $L$			
Plate width $W$			
Plate thickness $S_S$			
<b>Load</b>			
Static <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dynamic <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alternating <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Impact <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Radial load in kN			
Axial load in kN			
Surface pressure			
Radial in MPa			
Axial in MPa			
<b>Counter material</b>			
Material no./type			
Hardness in HB/HRC			
Roughness $R_a$ in $\mu m$			
<b>Lubrication</b>			
Dry running <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Permanent lubrication <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proven fluid lubrication <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proven fluid			
Lubricant			
Initial lubrication <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hydrodyn. lubrication <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dyn. viscosity			

	Item 1	Item 2	Item 3
<b>Motion</b>			
Speed in rpm			
Sliding speed in m/s			
Stroke length in mm			
Double strokes/min			
Angle $\alpha^\circ$			
Frequency in n/min			
<b>Operating time</b>			
Continuous operation			
Temporary operation			
Duty cycle	%/h	%/h	%/h
Days/year			
Frictional distance in km			
<b>Fits &amp; tolerances</b>			
Shaft			
Bearing housing			
<b>Environmental cond.</b>			
Temperature at bearing	°C	°C	°C
Contact medium			
Other influences			
<b>Lifetime</b>			
Desired operating time	h	h	h
Permissible wear	mm	mm	mm
Company address / contact			

493/46/99/E/2000



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