

Design Data for the calculation of plain plastic bearings

Company:	Address:
Contact person:	
Phone number:	
E-mail:	

1. Running speed	m/sec.	
or revolutions (max.)	1/min.	
2. Specific bearing load	N/mm ²	
or bearing load	N	
3. Diameter of the shaft	mm	
4. Maximum width of bearing	mm	
5. Diameter of the housing	mm	
6. Tolerance of the housing		
7. Allowable tolerance in built-in condition		
8. Tolerance of the shaft		
9. Condition of the shaft	hardened	
	surface roughness Ra	μm
10. Required or possible sliding condition	dry operation	
	single lubrication during assembly	
	lubricated	
11. Surroundings	a) moisture	
	b) ambiente temperature (Min./max.)	°C
	c) fluid (tye, temperature)	
12. Type of bearing	thrust bearing	radial bearing
13. Operating stress	continuous use	intermittent use
	operating factor	= %
14. Movement	oscillating	rotating
	angle	°
15. Required service life	hrs.	
16. Special conditions		

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