Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

data sheet

general data/description

created: 10.10.2018 / 01

article ZKLF 1255 2RS BE4 **Art-No.** 48964

brand SKA **weight/kg** 0.37

remark Axial preload force 5307 N - Axial rigidity 375 N/µm - Axial runout are based on rotaring inner ring: 2µm

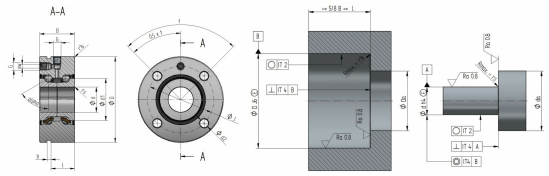
description

ZKLF	Design
1255	Size
2RS	Sealing washers on both sides, touching

greasing

BE4	KLÜBERPLEX BEM41-132

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	12	0 / -5	WERKSNORM
D	nominal outer diameter	55	0 / -10	WERKSNORM
B	width	25	0 / -250	WERKSNORM
rs min.	minimal chamfer dimension	0.3		
r1s min.	minimal chamfer dimension	0.6		
d1	inner shoulder diameter	25		
d2	mounting hole diameter	6.8		
J	pitch diameter	42		
t	mounting holes pitch	3 x 120°		
b	exctraction groove width	3	0 / 500	WERKSNORM
l	exctraction groove distance	17	-200 / 200	WERKSNORM
alpha	contact angle	60°		
G	thread	M6		
sw	wrench size	3		
Da max.	mounting dimension	33		
da min.	mounting dimension	16		
d h4	mounting dimension	12	0 / -5	WERKSNORM
D J6	mounting dimension	55	-6 / 13	WERKSNORM
Ca [N]	dynamic load rating, axial	18600		
C0a [N]	static load capacity, axial	24700		
Cua [N]	fatigue limit load, axial	1460		

calculation and operating data

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		9200	

operating temperature	max. [°C]	min. [°C]
	120	-20

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material specification

description	material	DIN/ISO	hardness
Inner ring	100Cr6	683-17	58-65
Outer ring	100Cr6	683-17	58-65
Balls	100Cr6	683-17	58-65
Cage	PA66 + GF25		
Sealing washers	St12/NBR		

All information in this document was provided and checked carefully. Nevertheless, we can not assume any liability for incomplete or faulty information.