Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

data sheet

general data/description

created: 23.11.2017 / 02

article ZKLF 30100 ZZ BE4 **Art-No.** 48963 **brand** SKA **weight/kg** 1.63

remark Axial preload force 3900 N - Axial rigidity 1060 N/µm

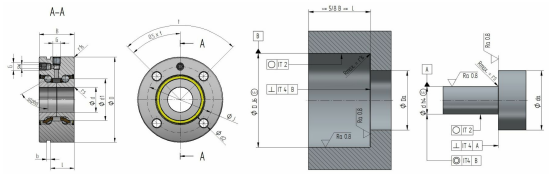
description

ZKLF	Design
ZZ	Shields on both sides, not touching

greasing

BE4	KLÜBERPLEX BEM41-132

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	30	0 / -5	620-2
D	nominal outer diameter	100	0 / -10	
B	width	38	0 / -250	
rs min.	minimal chamfer dimension	0.3		
r1s min.	minimal chamfer dimension	0.6		
d1	inner shoulder diameter	51		
d2	mounting hole diameter	8.8		
J	pitch diameter	80		
t	mounting holes pitch	8 x 45°		
b	exctraction groove width	3	0 / 500	
l	exctraction groove distance	30	-500 / 500	
alpha	contact angle	60°		
G	thread	M6		
sw	wrench size	3		
Da	mounting dimension	64		
da	mounting dimension	47		

calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	45400			92300	

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		4000	

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

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		
Shields	St12		

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