general data/description

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article ZKLF 50140 ZZ BE4 **Art-No.** 48230

brand SKA **weight/kg** 4.46

remark Axial preload force 28451 N - Axial rigidity 1400 N/µm - Axial runout are based on rotaring inner ring: 2.5µm

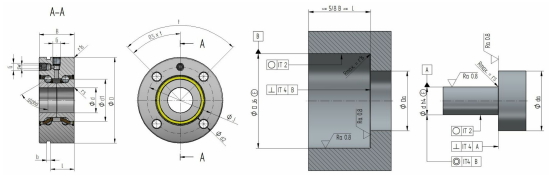
description

ZKLF	Design
50140	Size
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	50	0 / -5	WERKSNORM
D	nominal outer diameter	140	0 / -10	WERKSNORM
B	width	54	0 / -250	WERKSNORM
rs min.	minimal chamfer dimension	0.6		
r1s min.	minimal chamfer dimension	0.6		
d1	inner shoulder diameter	80		
d2	mounting hole diameter	11		
J	pitch diameter	113		
t	mounting holes pitch	12 x 30°		
b	exctraction groove width	3	0 / 500	WERKSNORM
l	exctraction groove distance	45	-500 / 500	WERKSNORM
alpha	contact angle	60°		
G	thread	M6		
sw	wrench size	3		
Da max.	mounting dimension	98		
da min.	mounting dimension	63		
d h4	mounting dimension	50	-7 / 0	WERKSNORM
D J6	mounting dimension	140	-7 / 18	WERKSNORM
Ca [N]	dynamic load rating, axial	125000		
C0a [N]	static load capacity, axial	250000		
Cua [N]	fatigue limit load, axial	15200		

calculation and operating data

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		2500	

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		
Shields	St12		

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