Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

data sheet

general data/description

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article ZKLN 1545 2RS BE4 **Art-No.** 48228 **brand** SKA **weight/kg** 0.21

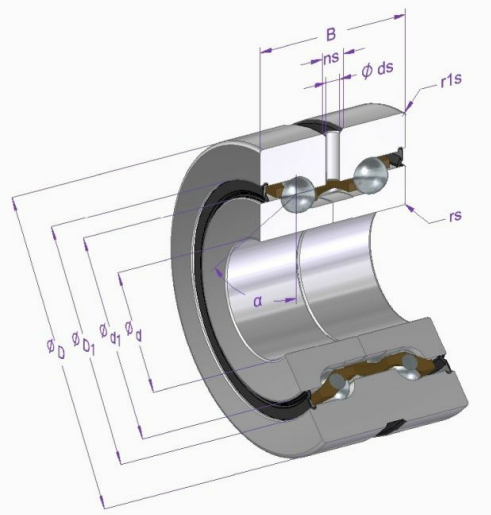
description

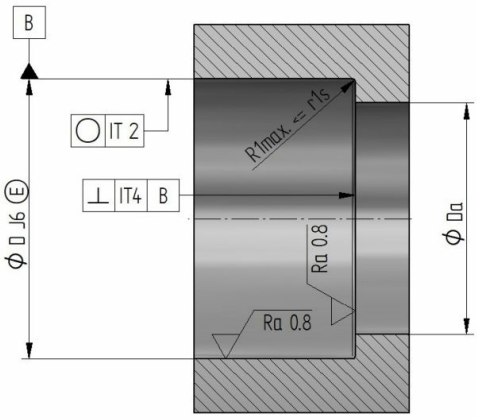
ZKLN	Design
1545	Size
2RS	Sealing washers on both sides, touching

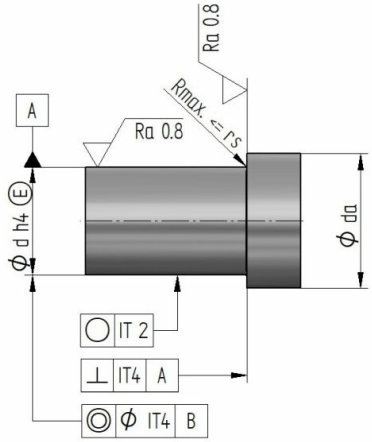
greasing

BE4	KLÜBERPLEX BEM41-132

dimensions and tolerances







dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	15	-5 / 0	WERKSNORM
D	nominal outer diameter	45	-10 / 0	WERKSNORM
B	width	25	-250 / 0	WERKSNORM
d1	mounting dimension	28		
D1	mounting dimension	35		
rs min.	minimal chamfer dimension	0.3		
rs1 min.	minimaler Kantenabstand	0.6		
alpha	contact angle	60°		
ns	lubrication groove width	3		
ds	diameter lubrication hole	3x Ø3		
d h4	mounting dimension	15	-5 / 0	WERKSNORM
da min.	mounting dimension	20		
D J6	mounting dimension	45	-6 / 10	WERKSNORM
Da max.	mounting dimension	35		
Rmax.	mounting dimension	0.3		
R1max.	mounting dimension	0.6		
Ca [N]	dynamic load rating, axial	19600		
C0a [N]	static load capacity, axial	28000		
Cua [N]	fatigue limit load, axial	1650		
caL [N/µm]	Axial rigidity	400		
ckL [Nm/mrad]	Tilting stiffness	65		
Mm [kg*cm^2]	Mass moment of inertia	0.102		
MA [Nm]	(Nut-) Tightening torque	10		
FaV [N]	Axial preload force	5484		
PL [µm]	Axial runout are based on rotaring inner ring	2		

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calculation and operating data

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		8200	

operating temperature	max. [°C]	min. [°C]
	120	-40

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	Plastic material		
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.