general data/description

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article ZKLN 1242 2RS BE4 **Art-No.** 48865 **brand** SKA **weight/kg** 0.20

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

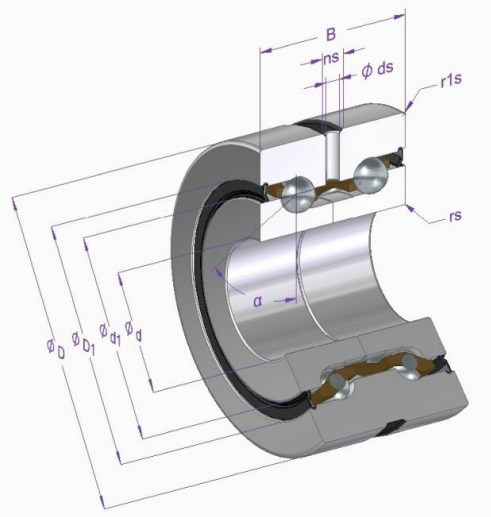
description

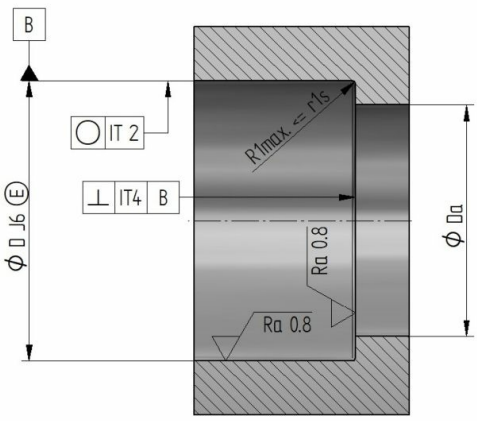
ZKLN	Design
1242	Size
2RS	Sealing washers on both sides, touching

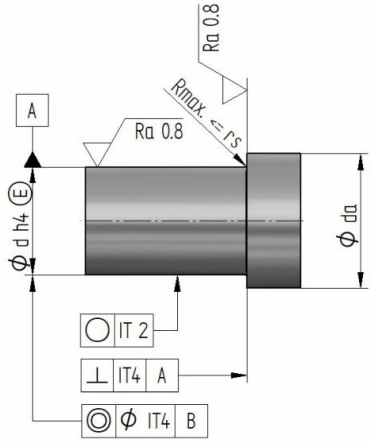
greasing

BE4	KLÜBERPLEX BEM41-132

dimensions and tolerances







dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	12	0 / -5	620-2
D	nominal outer diameter	42	0 / -10	WERKSNORM
B	width	25	0 / -250	WERKSNORM
d1	mounting dimension	25		
D1	mounting dimension	-		
rs min.	minimal chamfer dimension	0.3		
r1s min.	minimal chamfer dimension	0.6		
alpha	contact angle	60°		
ns	lubrication groove width	3		
ds	diameter lubrication hole	3x Ø2.5		
d h4	mounting dimension	12	0 / -5	
da min.	mounting dimension	16		
D J6	mounting dimension	42	-6 / 10	
Da max.	mounting dimension	33		
Rmax.	mounting dimension	0.3		
R1max.	mounting dimension	0.6		
Ca [N]	dynamic load rating, axial	18600		
C0a [N]	static load capacity, axial	24700		
Cua [N]	fatigue limit load, axial	1500		

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

article ZKLN 1242 2RS BE4 **Art-No.** 48865

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.