general data/description

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article 3204 B TN ZZ BG1 **Art-No.** 47249 **brand** SKA **weight/kg** 0.165

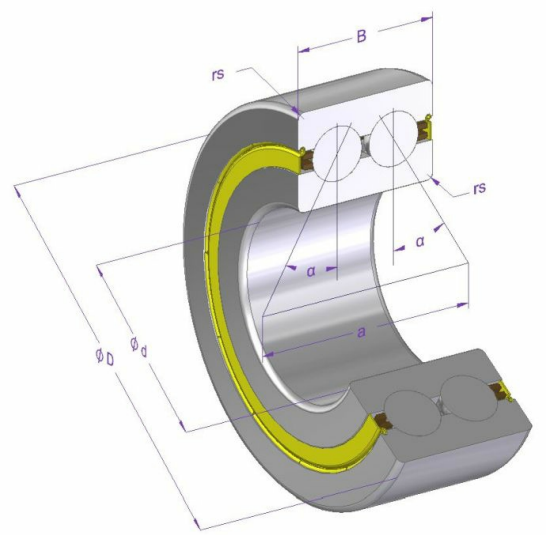
description

3204	Size
B	Pressure angle
TN	Plastic cage
ZZ	Shields on both sides, not touching

greasing

BG1	KLÜBER PETAMO GHY443

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	20	0 / -10	620-2
D	nominal outer diameter	47	0 / -11	620-2
B	width	20.6	0 / -120	620-2
rs min.	minimal chamfer dimension	1		628-3
a	load application point	~27		
alpha	contact angle	30°		628-3
e	calculation factor	0.8		281
Y1	calculation factor	0.78		281
Y2	calculation factor	1.24		281
Y0	calculation factor	0.66		76
X	calculation factor	0.63		281

calculation and operating data

load ratings	**dynamic C [N]**	**fatique load limit load Cu [N]**	**DIN/ISO**	**static Co [N]**	**DIN/ISO**
	15800	525	281	10100	76

speed of rotation limit	**reference n [1/min]**	**grease n [1/min]**	**oil n [1/min]**
		10000	

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

bearing clearance	**axial min. [µm]**	**max. [µm]**
	7	25

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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	58-66
Cage	PA66+GF25		
Shields	St12		

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