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data sheet

general data/description

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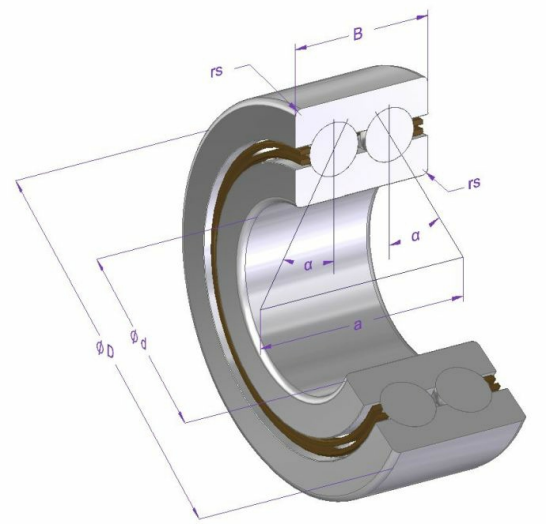
article 3205 B TN **Art-No.** 47064 **brand** SKA **weight/kg** 0.195

remark Y-factors: Y1: Fa/Fr <= e / Y2: Fa/Fr > e.

description

3205	Size
B	Pressure angle
TN	Plastic cage

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	25	0 / -10	620-2
D	nominal outer diameter	52	0 / -13	620-2
B	width	20.6	0 / -120	620-2
rs min.	minimal chamfer dimension	1		628-3
alpha	contact angle	30°		628-3
a	load application point	~30.2		
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
	18200	680	281	13200	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		10000	12000

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

bearing clearance	axial min. [µm]	max. [µm]
	8	27

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		

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