Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

data sheet

general data/description

created: 13.12.2023 / 02

article 3207 B TN LX5 **Art-No.** 53345 **brand** SKA **weight/kg** 0.412

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

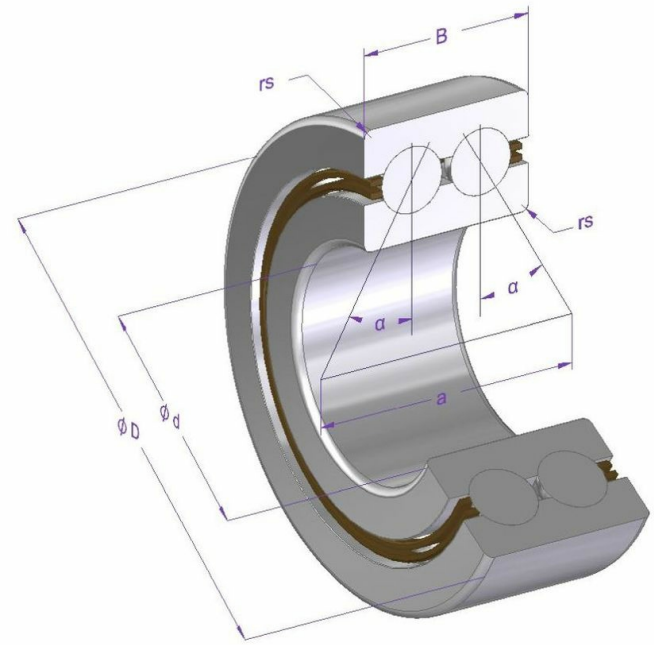
description

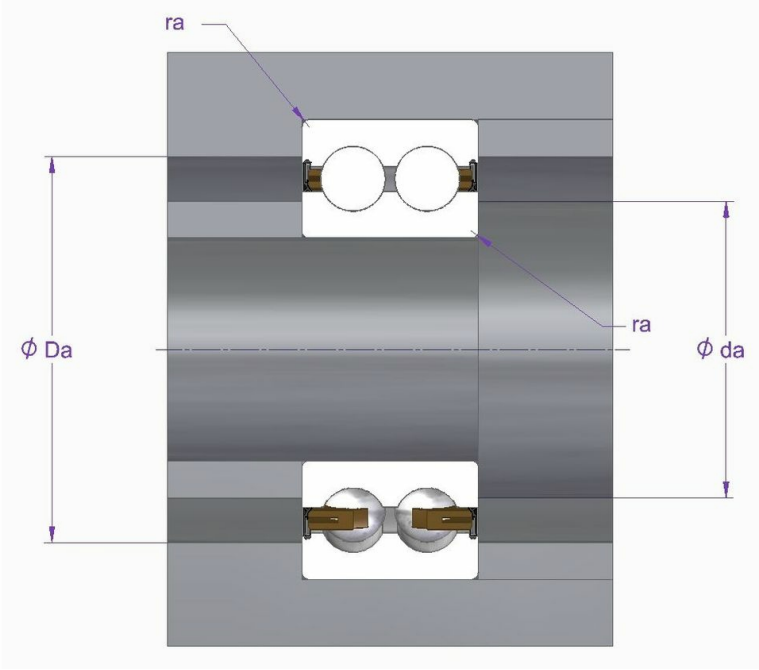
3207	Size
B	Pressure angle
TN	Plastic cage

greasing

LX5	SHELL GADUS S2 V100 3

dimensions and tolerances





dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	35	0 / -12	620-2
D	nominal outer diameter	72	0 / -13	620-2
B	width	27	0 / -120	620-2
rs min.	minimal chamfer dimension	1.1		628-3
alpha	contact angle	30°		628-3
a	load application point	~43.3		
da min.	mounting dimension	42		WERKSNORM
Da max.	mounting dimension	65		WERKSNORM
ra max.	mounting dimension	1		WERKSNORM
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
	35400	1400	281	27200	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		6300	8500

operating temperature	max. [°C]	min. [°C]
	120	-30

bearing clearance	axial min. [µm]	max. [µm]
	9	29

article 3207 B TN LX5 **Art-No.** 53345

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		

All information in this document was provided and checked carefully. Nevertheless, we can not assume any liability for incomplete or faulty information.