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data sheet

general data/description

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article 3204 B TN LX5 **Art-No.** 54420 **brand** SKA **weight/kg** 0.161

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

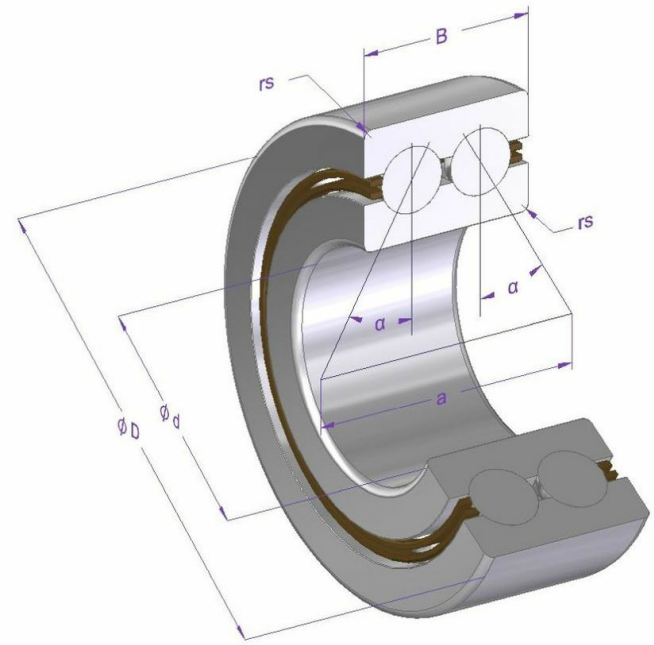
description

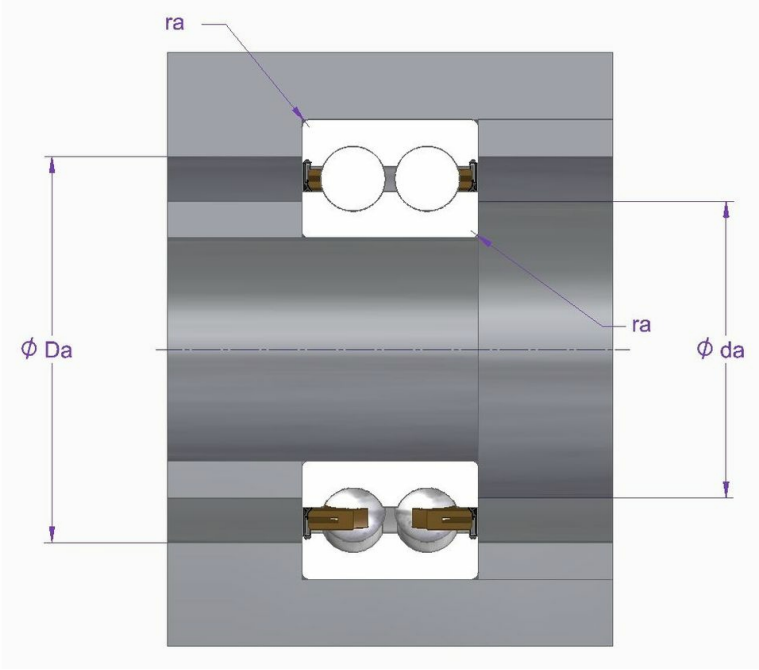
3204	Size
B	Pressure angle
TN	Plastic cage

greasing

LX5	SHELL GADUS S2 V100 3

dimensions and tolerances





dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	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	~28.1		
alpha	contact angle	30°		628-3
Da max.	mounting dimension	41.5		WERKSNORM
da min.	mounting dimension	26.1		WERKSNORM
ra max.	mounting dimension	1		5418
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**
	19100	635		281	12200	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	-30				
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		

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