Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

general data/description

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article 2209 TN 2RS LX5 **Art-No.** 53975 **brand** SKA **weight/kg** 0.545

remark Y-factors: Y1: Fa/Fr <= e / Y2: Fa/Fr > e / X-factors: X1: Fa/Fr <= e / X2: Fa/Fr > e.

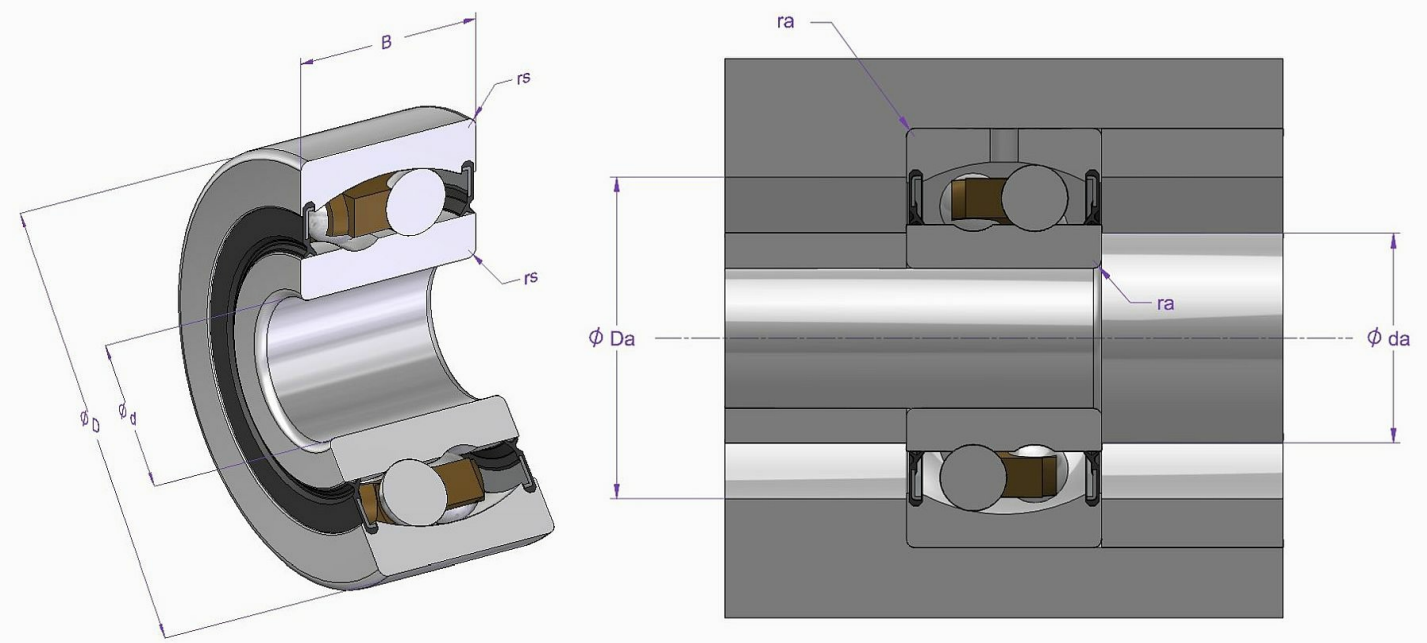
description

2209	Size
TN	Plastic cage
2RS	Sealing washers on both sides, touching

greasing

LX5	SHELL GADUS S2 V100 3

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	45	0 / -12	620-2
D	nominal outer diameter	85	0 / -15	620-2
B	width	23	0 / -120	620-2
rs min.	minimal chamfer dimension	1.1		630
da min.	mounting dimension	52		WERKSNORM
Da max.	mounting dimension	78		WERKSNORM
ra max.	mounting dimension	1		WERKSNORM
e	calculation factor	0.29		281
Y1	calculation factor	2.2		281
Y2	calculation factor	3.41		281
Y0	calculation factor	2.31		76
X0	calculation factor	1		76
X1	calculation factor	1		281
X2	calculation factor	0.65		281

calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	21800	460	281	7260	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		5000	

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

bearing clearance	radial min. [µm]	max. [µm]
	14	31

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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		
Sealing washers	Sheet steel/NBR		

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