Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

general data/description

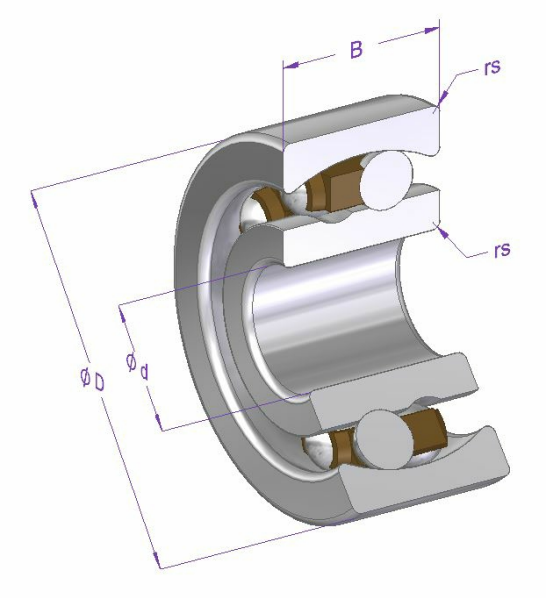
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article 2209 TN **Art-No.** 46485 **brand** SKA **weight/kg** 0.545

description
2209 Size
TN Plastic cage

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

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
e	calculation factor	0.31		281
Y1	calculation factor	2.06		281
Y2	calculation factor	3.19		281
Y0	calculation factor	2.16		76
X1	calculation factor	1		281
X2	calculation factor	0.65		281
X0	calculation factor	1		76

calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	21700	459	281	7230	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		7000	8500

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

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

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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