Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

data sheet

general data/description

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article 6209 Z NR AV0982 **Art-No.** 52104 **brand** SKA **weight/kg** 0.414

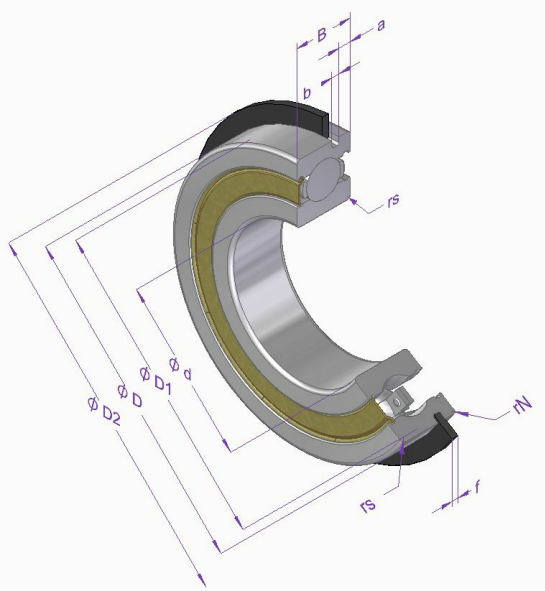
description

6209	Size
Z	Shield on one side, not touching
NR	Groove + ring

greasing

AV0982	SHELL ALVANIA AV0982

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	19	0 / -120	620-2
D1	groove diameter	81.81		616
D2 max.	snap ring diameter mounted	91.6		5417
a	groove distance front side	3.28		616
b	groove width	1.9		616
rs min.	minimal chamfer dimension	1.1		625-1
rN	chamfer dimension groove side	0.5		616
f	snap ring width	1.7	0 / -100	5417

calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	31300	1060	281	20400	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		7500	9000

operating temperature	max. [°C]	min. [°C]
	80	-50

bearing clearance	radial min. [µm]	max. [µm]
	6	23

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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	58-65
Cage	St12		
Snap ring	56Mn4	5417	

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