Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

data sheet

general data/description

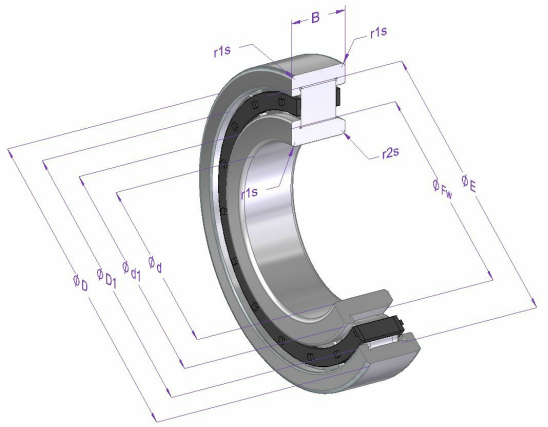
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article NJ 209 E J HQS **Art-No.** 49531 **brand** SKA **weight/kg** 0.415

description

NJ	Design
209	Size
E	Reinforced version
J	Sheet steel cage
HQS	Material

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
Fw	inner enveloping circle diameter	54.5	0 / 15	5412-1
r1s min.	minimal chamfer dimension	1.1		5412-1
r2s min.	minimal chamfer dimension	1.1		5412-1
s	axial displacement	~ 1.9		
d1	inner shoulder diameter	~ 59		
D1	outer shoulder diameter	~ 73.3		
E	raceway diameter outer ring	76.5		5412-1

calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	61700	8080	281	64900	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		6700	8000

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

bearing clearance	radial min. [µm]	max. [µm]
	30	60

material specification

description	material	DIN/ISO	hardness
Inner ring	100Cr6	683-17	58-65
Outer ring	100Cr6	683-17	58-65
Cylindrical rollers	100Cr6	683-17	58-65
Cage	Sheet steel		

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