Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

data sheet

general data/description

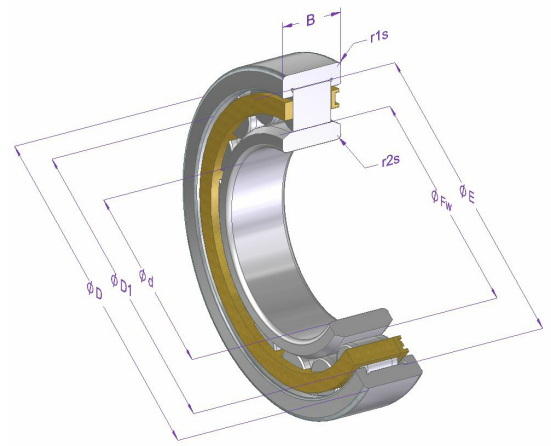
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article NU 2209 E M1 HQS C3 **Art-No.** 50216 **brand** SKA **weight/kg** 0.535

description

NU	Design
2209	Size
E	Reinforced version
M1	Brass cage, roller centered
HQS	Material
C3	Internal clearance

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
r1s min.	minimal chamfer dimension	1.1		5412-1
r2s min.	minimal chamfer dimension	1.1		5412-1
Fw	inner enveloping circle diameter	54.5	0 / 15	5412-1
E	raceway diameter outer ring	76.5		5412-1
D1	flange diameter of the outer ring	73		
s	axial displacement	~ 1		
C3	internal clearance	0.050 / 0.080		620-4

calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	82900	10400	281	83100	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		6700	8500

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

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	58-66
Cage	CuZn40Pb2		

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