Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

data sheet

general data/description

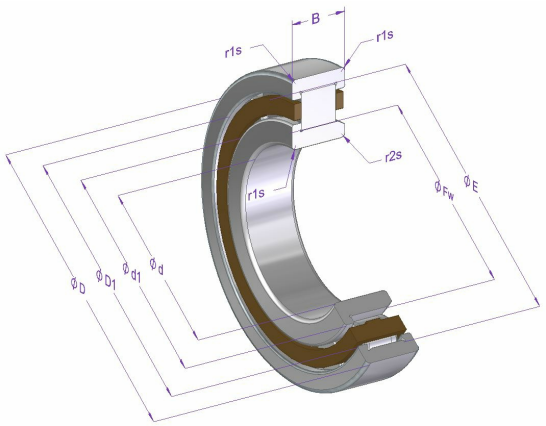
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article NJ 212 E TVP2 HQS C3 **Art-No.** 46847 **brand** SKA **weight/kg** 0.78

description

NJ	Design
212	Size
E	Reinforced version
TVP2	Plastic cage
HQS	Material
C3	Internal clearance

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	60	0 / -15	620-2
D	nominal outer diameter	110	0 / -15	620-2
B	width	22	0 / -150	620-2
Fw	inner enveloping circle diameter	72	0 / 20	5412-1
r1s min.	minimal chamfer dimension	1.5		5412-1
r2s min.	minimal chamfer dimension	1.5		5412-1
C3	internal clearance	0.06 / 0.09		620-4
s	axial displacement	~ 1.4		
d1	inner shoulder diameter	~ 77.7		
D1	outer shoulder diameter	~ 95.8		
E	raceway diameter outer ring	100		

calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	96000	13000	281	106000	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		5300	6300

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

bearing clearance	radial min. [µm]	max. [µm]
	60	90

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	PA66 + GF25		

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