Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

data sheet

general data/description

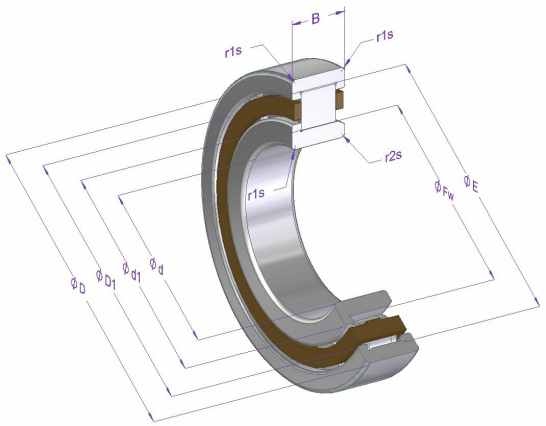
created: 14.02.2018 / 05

article NJ 310 E TVP2 HQS C3 **Art-No.** 48886 **brand** SKA **weight/kg** 1.14

description

NJ	Design
310	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	50	0 / -12	620-2
D	nominal outer diameter	110	0 / -15	620-2
B	width	27	0 / -120	620-2
Fw	inner enveloping circle diameter	65	0 / 15	5412-1
r1s min.	minimal chamfer dimension	2		5412-1
r2s min.	minimal chamfer dimension	2		5412-1
C3	internal clearance	0.05 / 0.08		620-4
s	axial displacement	~ 2		
d1	inner shoulder diameter	~ 71.3		
D1	outer shoulder diameter	91.7		
E	raceway diameter outer ring	97		5412-1

calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	110000	14000	281	114000	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		5000	6000

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

bearing clearance	radial min. [µm]	max. [µm]
	50	80

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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