Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

data sheet

general data/description

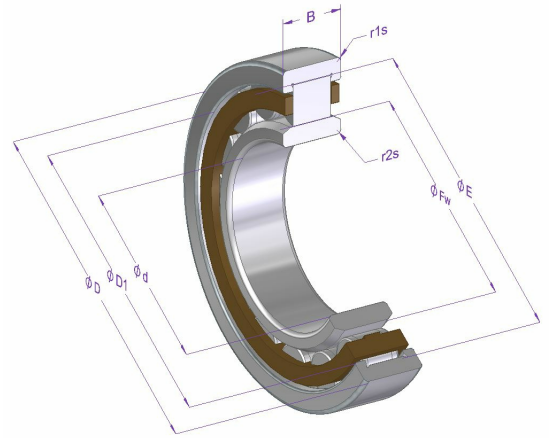
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article NU 311 E TVP2 HQS **Art-No.** 50207 **brand** SKA **weight/kg** 1.43

description

NU	Design
311	Size
E	Reinforced version
TVP2	Plastic cage
HQS	Material

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	55	0 / -15	620-2
D	nominal outer diameter	120	0 / -15	620-2
B	width	29	0 / -150	620-2
r1s min.	minimal chamfer dimension	2		5412-1
r2s min.	minimal chamfer dimension	2		5412-1
Fw	inner enveloping circle diameter	70.5	0 / 20	5412-1
E	raceway diameter outer ring	106.5		5412-1
D1	outer shoulder diameter	100.6		
s	axial displacement	~ 2		

calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	137000	17600	281	143000	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		4500	5600

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

bearing clearance	radial min. [µm]	max. [µm]
	40	70

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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