Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

data sheet

general data/description

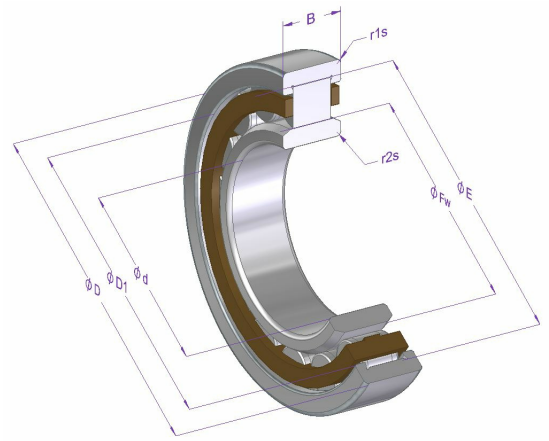
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article NU 309 E TVP2 **Art-No.** 46454 **brand** SKA **weight/kg** 0.88

description

NU	Design
309	Size
E	Reinforced version
TVP2	Plastic cage

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	45	0 / -12	620-2
D	nominal outer diameter	100	0 / -15	620-2
B	width	25	0 / -120	620-2
Fw	inner enveloping circle diameter	58.5	0 / 15	5412-1
r1s min.	minimal chamfer dimension	1.5		5412-1
r2s min.	minimal chamfer dimension	1.5		5412-1
s	axial displacement	~ 1		
D1	outer shoulder diameter	~ 84.1		
E	raceway diameter outer ring	88.5		

calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	99000		281	100000	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		6500	7600

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	PA66 + GF25		

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