Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

data sheet

general data/description

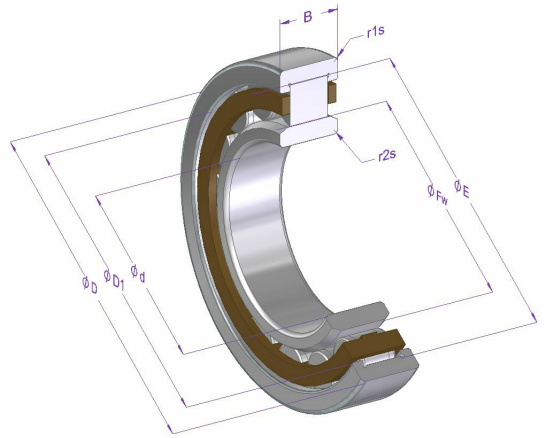
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article NU 2205 E TVP2 C3 **Art-No.** 47051 **brand** SKA **weight/kg** 0.168

description

NU	Design
2205	Size
E	Reinforced version
TVP2	Plastic cage
C3	Internal clearance

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	25	0 / -10	620-2
D	nominal outer diameter	52	0 / -13	620-2
B	width	18	0 / -120	620-2
Fw	inner enveloping circle diameter	31.5	0 / 15	5412-1
r1s min.	minimal chamfer dimension	1		5412-1
r2s min.	minimal chamfer dimension	0.6		5412-1
s	axial displacement	1.7		
C3	internal clearance	0.035 / 0.06		620-4

calculation and operating data

load ratings	**dynamic C [N]**	**fatique load limit load Cu [N]**		**DIN/ISO**	**static Co [N]**	**DIN/ISO**
	34900	4300		281	34800	76
speed of rotation limit	**reference n [1/min]**	**grease n [1/min]**	**oil n [1/min]**			
		12000	14000			
operating temperature	**max. [°C]**	**min. [°C]**				
	120	-20				
bearing clearance	**radial min. [µm]**	**max. [µm]**				
	35	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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