Hans Saurer Kugellager AG
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data sheet

general data/description

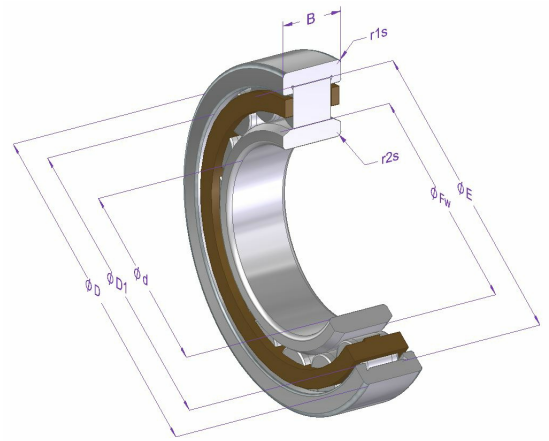
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article NU 205 E TVP2 HQS C3 **Art-No.** 50177 **brand** SKA **weight/kg** 0.133

description

NU	Design
205	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	25	0 / -10	620-2
D	nominal outer diameter	52	0 / -13	620-2
B	width	15	0 / -120	620-2
r1s min.	minimal chamfer dimension	1		5412-1
r2s min.	minimal chamfer dimension	0.6		5412-1
Fw	inner enveloping circle diameter	31.5	0 / 15	5412-1
E	raceway diameter outer ring	46.5		5412-1
D1	outer shoulder diameter	43.5		
s	axial displacement	~ 1		
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
	29600	3500	281	28200	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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