Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

data sheet

general data/description

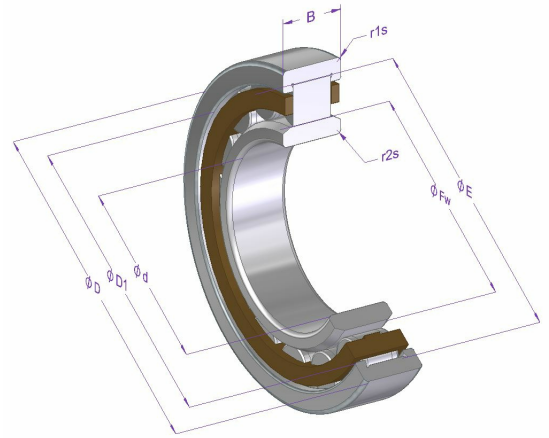
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article NU 307 E TVP2 HQS **Art-No.** 50206 **brand** SKA **weight/kg** 0.45

description

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

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	35	0 / -12	620-2
D	nominal outer diameter	80	0 / -13	620-2
B	width	21	0 / -120	620-2
r1s min.	minimal chamfer dimension	1.5		5412-1
r2s min.	minimal chamfer dimension	1.1		5412-1
Fw	inner enveloping circle diameter	46.2	0 / 15	5412-1
E	raceway diameter outer ring	70.2		5412-1
D1	outer shoulder diameter	66.3		
s	axial displacement	~ 1		

calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	65400	7900	281	64200	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		7500	9500

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

bearing clearance	radial min. [µm]	max. [µm]
	25	50

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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