Hans Saurer Kugellager AG
Niederfeld 38
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data sheet

general data/description

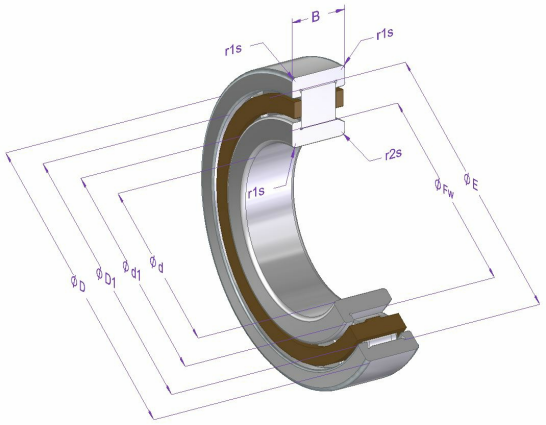
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article NJ 305 E TVP2 **Art-No.** 48314 **brand** SKA **weight/kg** 0.231

description

NJ	Design
305	Size
E	Reinforced version
TVP2	Plastic cage

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	25	0 / -10	620-2
D	nominal outer diameter	62	0 / -13	620-2
B	width	17	0 / -120	620-2
r1s min.	minimal chamfer dimension	1.1		5412-1
r2s min.	minimal chamfer dimension	1.1		5412-1
Fw	inner enveloping circle diameter	34	0 / 15	5412-1
s	axial displacement	~ 1.5		
d1	inner shoulder diameter	~ 38.1		
D1	outer shoulder diameter	50.4		
E	raceway diameter outer ring	54		

calculation and operating data

load ratings	**dynamic C [N]**	**fatique load limit load Cu [N]**		**DIN/ISO**	**static Co [N]**	**DIN/ISO**
	40600	4450		281	36400	76
speed of rotation limit	**reference n [1/min]**	**grease n [1/min]**	**oil n [1/min]**			
		10000	12000			
operating temperature	**max. [°C]**	**min. [°C]**				
	120	-20				
bearing clearance	**radial min. [µm]**	**max. [µm]**				
	20	45				

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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