Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

data sheet

general data/description

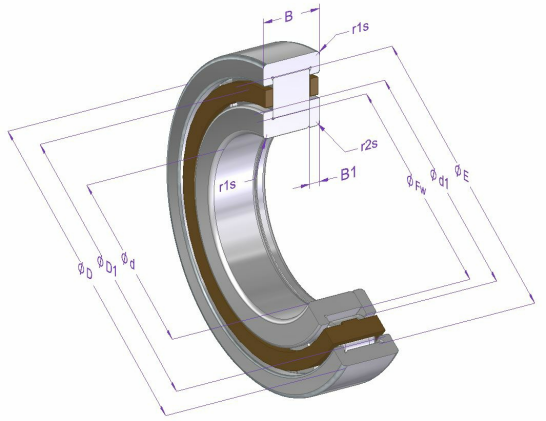
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article NUP 309 E TVP2 HQS **Art-No.** 49706 **brand** SKA **weight/kg** 0.88

description

NUP	Design
309	Size
E	Reinforced version
TVP2	Plastic cage
HQS	Material

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
D1	outer shoulder diameter	~ 83.6		
d1	inner shoulder diameter	~ 64.7		
E	raceway diameter outer ring	88.5		5412-1
B1	flange width	4.5		5412-1

calculation and operating data

load ratings	**dynamic C [N]**	**fatique load limit load Cu [N]**		**DIN/ISO**	**static Co [N]**	**DIN/ISO**
	95200	11800		281	96000	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		
Flange disc	100Cr6	683-17	58-65

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