Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

data sheet

general data/description

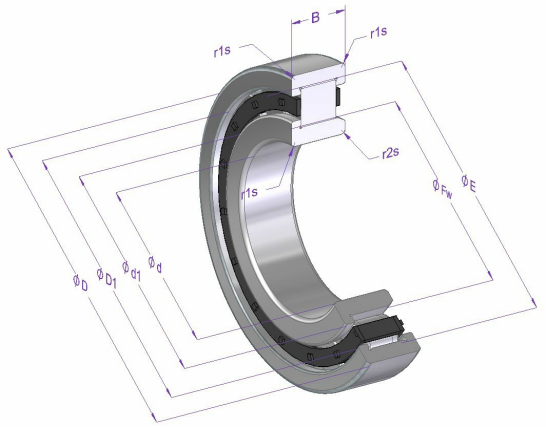
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article NJ 315 E J C3 **Art-No.** 47733 **brand** SKA **weight/kg** 3.20

description

NJ	Design
315	Size
E	Reinforced version
J	Sheet steel cage
C3	Internal clearance

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	75	0 / -15	620-2
D	nominal outer diameter	160	0 / -25	620-2
B	width	37	0 / -150	620-2
Fw	inner enveloping circle diameter	95	0 / 20	5412-1
r1s min.	minimal chamfer dimension	2.1		5412-1
r2s min.	minimal chamfer dimension	2.1		5412-1
C3	internal clearance	0.065 / 0.100		620-4
s	axial displacement	~ 1.2		
d1	inner shoulder diameter	~ 104.1		
D1	outer shoulder diameter	~ 136.2		
E	raceway diameter outer ring	143		

calculation and operating data

load ratings	**dynamic C [N]**	**fatique load limit load Cu [N]**		**DIN/ISO**	**static Co [N]**	**DIN/ISO**
	241000	31000		281	265000	76
speed of rotation limit	**reference n [1/min]**	**grease n [1/min]**	**oil n [1/min]**			
		3800	4800			
operating temperature	**max. [°C]**	**min. [°C]**				
	120	-20				
bearing clearance	**radial min. [µm]**	**max. [µm]**				
	65	100				

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	Sheet steel		

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