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general data/description

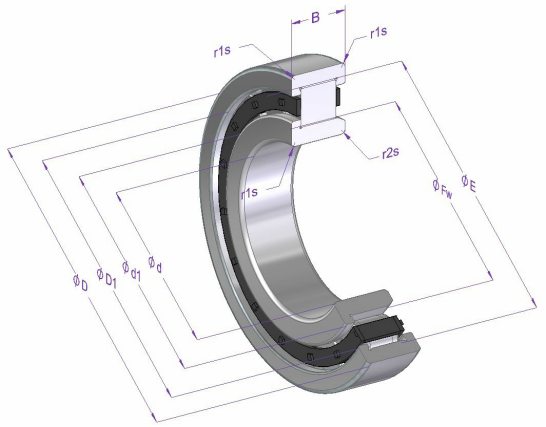
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article NJ 218 E J C3 **Art-No.** 47731 **brand** SKA **weight/kg** 2.35

description

NJ	Design
218	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	90	0 / -20	620-2
D	nominal outer diameter	160	0 / -25	620-2
B	width	25	0 / -200	620-2
Fw	inner enveloping circle diameter	107	0 / 20	5412-1
r1s min.	minimal chamfer dimension	2		5412-1
r2s min.	minimal chamfer dimension	2		5412-1
C3	internal clearance	0.075 / 0.110		620-4
s	axial displacement	~ 1.5		
d1	inner shoulder diameter	~ 113.9		
D1	outer shoulder diameter	~ 140		
E	raceway diameter outer ring	145		

calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	183000	25500	281	220000	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		4000	4800

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

bearing clearance	radial min. [µm]	max. [µm]
	75	110

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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