Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

data sheet

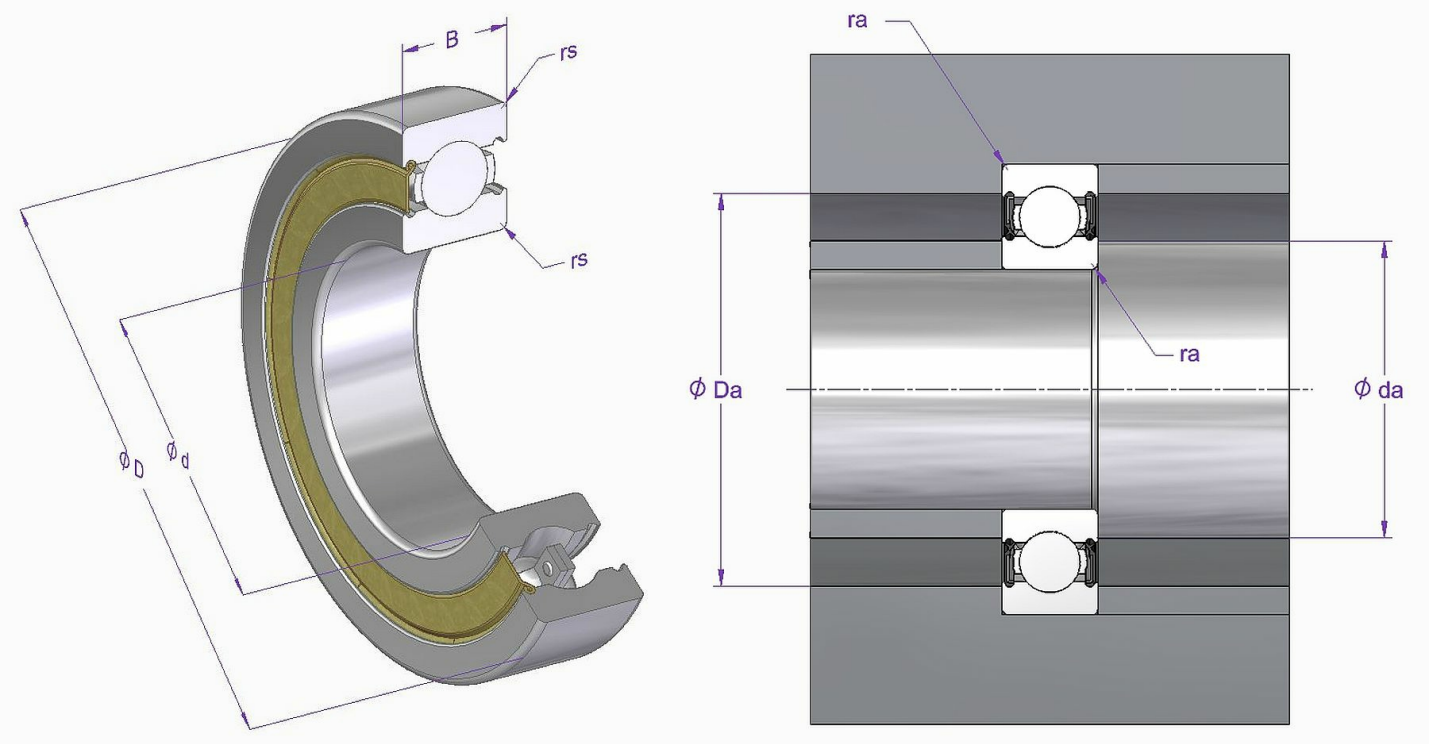
general data/description

article 6003 Z **Art-No.** 45978 **brand** SKA **weight/kg** 0.039

description

6003	Size
Z	Shield on one side, not touching

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	17	0 / -8	620-2
D	nominal outer diameter	35	0 / -11	620-2
B	width	10	0 / -120	620-2
rs min.	minimal chamfer dimension	0.3		625-1
da min.	mounting dimension	17		5418
Da max.	mounting dimension	30		5418
ra max.	mounting dimension	0.3		5418

calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	6650	160	281	3250	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		22000	26000

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

bearing clearance	radial min. [µm]	max. [µm]
	3	18

material specification

description	material	DIN/ISO	hardness
Inner ring	100Cr6	683-17	58-65
Outer ring	100Cr6	683-17	58-65
Balls	100Cr6	683-17	58-66
Cage	Sheet steel		
Shield	Sheet steel		

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