Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

data sheet

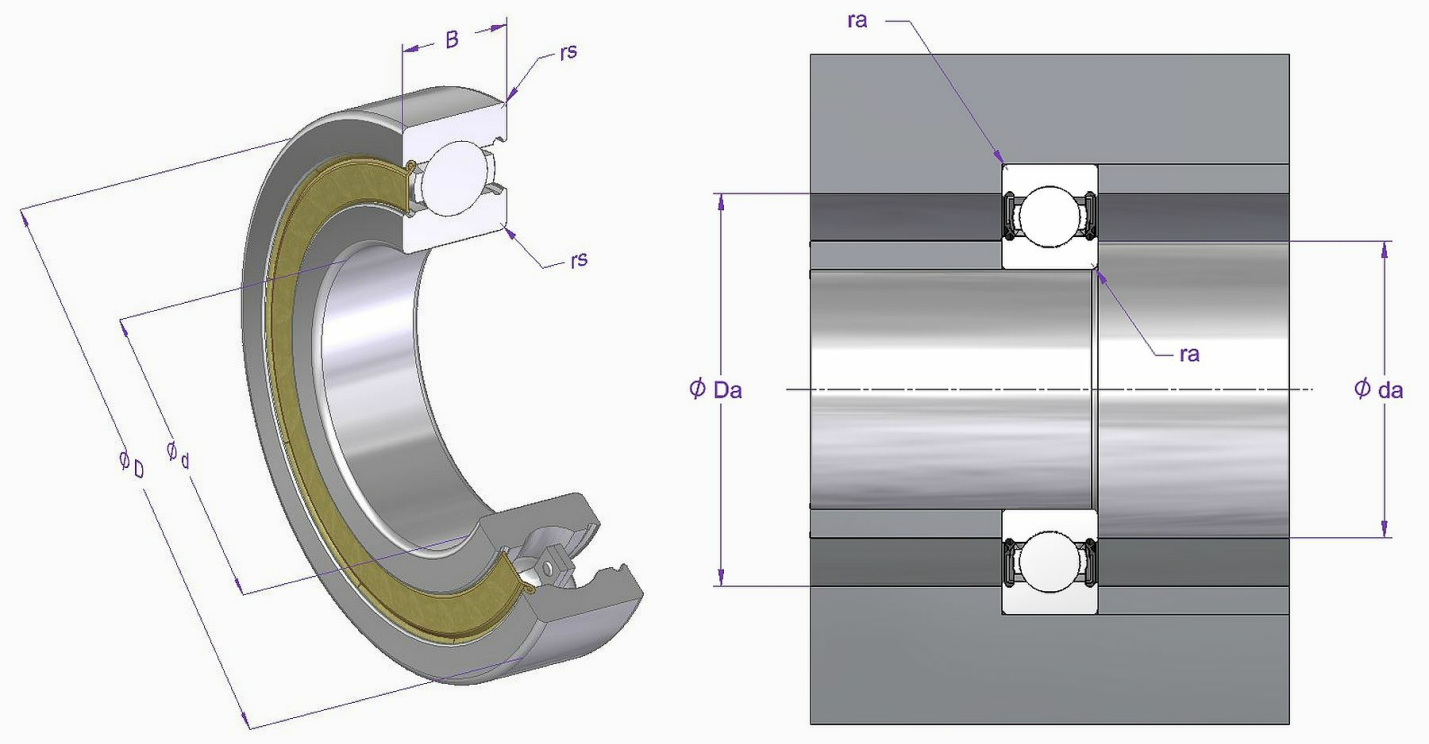
general data/description

article	6005 Z	**Art-No.**	51817	**brand**	SKA	**weight/kg**	0.08

description

6005	Size
Z	Shield on one side, not touching

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	25	0 / -10	620-2
D	nominal outer diameter	47	0 / -11	620-2
B	width	12	0 / -120	620-2
rs min.	minimal chamfer dimension	0.6		625-1
da min.	mounting dimension	28.2		5418
Da max.	mounting dimension	43.8		5418
ra max.	mounting dimension	0.6		5418

calculation and operating data

load ratings	**dynamic C [N]**	**fatique load limit load Cu [N]**		**DIN/ISO**	**static Co [N]**	**DIN/ISO**
	11200	300		281	5860	76
speed of rotation limit	**reference n [1/min]**	**grease n [1/min]**	**oil n [1/min]**			
		15000	18000			
operating temperature	**max. [°C]**	**min. [°C]**				
	120	-20				
bearing clearance	**radial min. [µm]**	**max. [µm]**				
	5	20				

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	St12		
Shield	Sheet steel		

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