Hans Saurer Kugellager AG
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data sheet

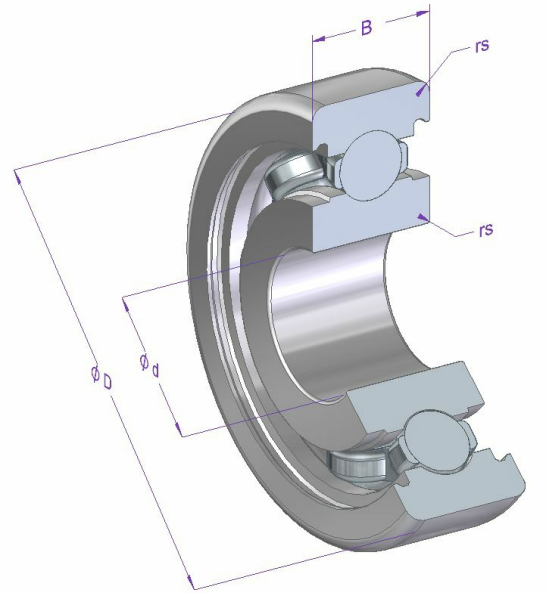
general data/description

created: 12.04.2016 / 02

article 6309 **Art-No.** 47171 **brand** SKA **weight/kg** 0.835

description
6309 Size

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
rs min.	minimal chamfer dimension	1.5		625-1

calculation and operating data

load ratings	**dynamic C [N]**	**fatique load limit load Cu [N]**		**DIN/ISO**	**static Co [N]**	**DIN/ISO**
	52800	1650		281	31700	76
speed of rotation limit	**reference n [1/min]**	**grease n [1/min]**	**oil n [1/min]**			
		6700	8000			
operating temperature	**max. [°C]**	**min. [°C]**				
	120	-20				
bearing clearance	**radial min. [µm]**	**max. [µm]**				
	6	23				

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	58-65
Cage	St12		

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