Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

data sheet

general data/description

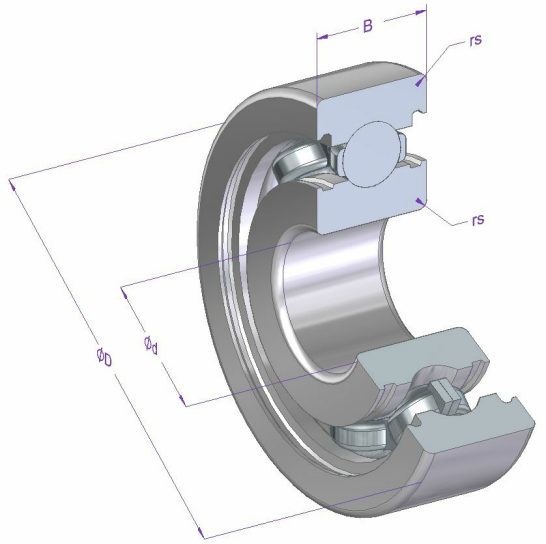
created: 03.05.2016 / 02 page: 1 / 1

article 6209 C3 **Art-No.** 34983 **brand** SKA **weight/kg** 0.405

description

6209	Size
C3	Internal clearance

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	45	0 / -12	620-2
D	nominal outer diameter	85	0 / -15	620-2
B	width	19	0 / -120	620-2
rs min.	minimal chamfer dimension	1.1		625-1
C3	internal clearance	0.018/0.036		620-4

calculation and operating data

load ratings	**dynamic C [N]**	**fatique load limit load Cu [N]**		**DIN/ISO**	**static Co [N]**	**DIN/ISO**
	31500	1000		281	20400	76
speed of rotation limit	**reference n [1/min]**	**grease n [1/min]**	**oil n [1/min]**			
		7500	9000			
operating temperature	**max. [°C]**	**min. [°C]**				
	120	-20				
bearing clearance	**radial min. [µm]**	**max. [µm]**				
	18	36				

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		

All information in this document was provided and checked carefully. Nevertheless, we can not assume any liability for incomplete or faulty information.