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data sheet

general data/description

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article 6312 ZZ C3 BG6 **Art-No.** 51879 **brand** SKA **weight/kg** 1.72

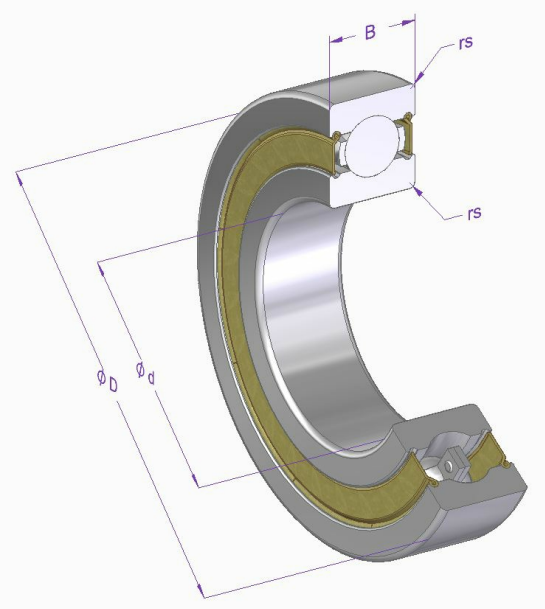
description

6312	Size
ZZ	Shields on both sides, not touching
C3	Internal clearance

greasing

BG6	KLÜBERTEMP YV 93-302

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	60	0 / -15	620-2
D	nominal outer diameter	130	0 / -18	620-2
B	width	31	0 / -150	620-2
rs min.	minimal chamfer dimension	2.1		625-1
C3	internal clearance	0.023 / 0.043		620-4

calculation and operating data

load ratings	**dynamic C [N]**	**fatique load limit load Cu [N]**		**DIN/ISO**	**static Co [N]**	**DIN/ISO**
	81800	2700		281	52000	76
speed of rotation limit	**reference n [1/min]**	**grease n [1/min]**	**oil n [1/min]**			
		5300				
operating temperature	**max. [°C]**	**min. [°C]**				
	120	-60				
bearing clearance	**radial min. [µm]**	**max. [µm]**				
	23	43				

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		
Shields	St12		

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