general data/description

created: 22.05.2023 / 02 page: 1 / 2

article 2208 J C4 2RS BM1 **Art-No.** 52437

brand SKA **weight/kg** 0.505

remark Y-factors: Y1: Fa/Fr <= e / Y2: Fa/Fr > e / X-factors: X1: Fa/Fr <= e / X2: Fa/Fr > e.

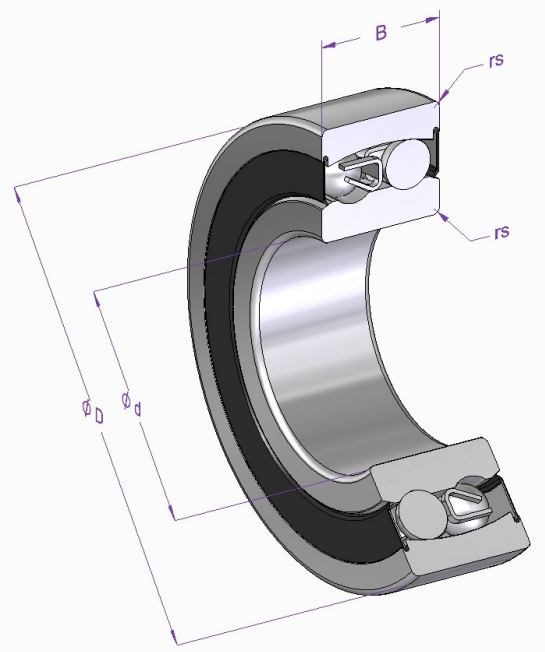
description

2208	Size
J	Sheet steel cage
C4	Internal clearance
2RS	Sealing washers on both sides, touching

greasing

BM1	KLÜBERPLEX BE31-502

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	40	0 / -12	620-2
D	nominal outer diameter	80	0 / -13	620-2
B	width	23	0 / -120	620-2
rs min.	minimal chamfer dimension	1.1		630
e	calculation factor	0.27		281
Y1	calculation factor	2.32		281
Y2	calculation factor	3.6		281
Y0	calculation factor	2.43		76
X1	calculation factor	1		281
X2	calculation factor	0.65		281
X0	calculation factor	1		76
C4	internal clearance	0.034 / 0.053		620-4

calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	19300	410	281	6480	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		5400	

operating temperature	max. [°C]	min. [°C]
	120	-10

Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

article 2208 J C4 2RS BM1 **Art-No.** 52437

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		
Sealing washers	Sheet steel/NBR		

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