general data/description

created: 20.02.2024 / 02 page: 1 / 2

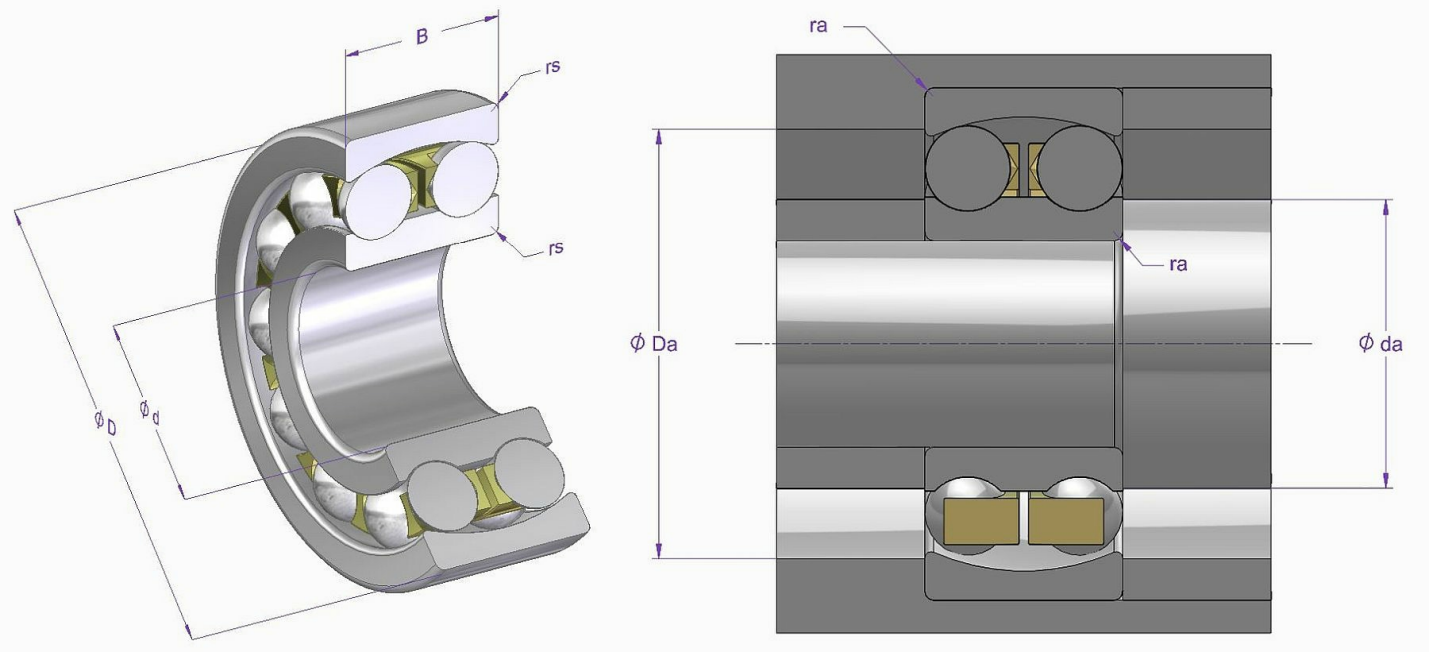
article 2305 M **Art-No.** 50503 **brand** SKA **weight/kg** 0.359

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

description

2305	Size
M	Brass cage, roller centered

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	25	0 / -10	620-2
D	nominal outer diameter	62	0 / -13	620-2
B	width	24	0 / -120	620-2
rs min.	minimal chamfer dimension	1.1		630
da min.	mounting dimension	35		WERKSNORM
Da max.	mounting dimension	50.5		WERKSNORM
ra max.	mounting dimension	1		WERKSNORM
e	calculation factor	0.42		281
Y1	calculation factor	1.51		281
Y2	calculation factor	2.33		281
Y0	calculation factor	1.58		76
X0	calculation factor	1		76
X1	calculation factor	1		281
X2	calculation factor	0.65		281

calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	25200	420	281	6620	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		10000	13000

operating temperature	max. [°C]	min. [°C]
	120	-20

bearing clearance	radial min. [µm]	max. [µm]
	11	24

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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	CuZn40Pb2		

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