Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

data sheet

general data/description

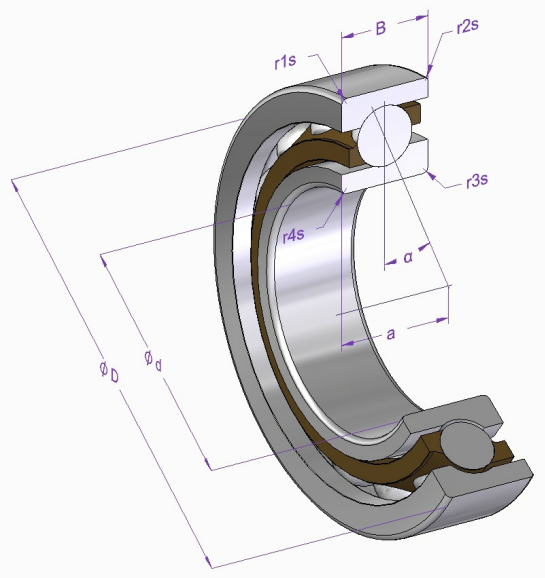
article 7204 B TVP **Art-No.** 53170 **brand** SKA **weight/kg** 0.11

remark Y-Faktoren: IF Y: Fa/Fr <= e, THEN X=1 and Y=0 / IF Y: Fa/Fr > e, THEN X=0.35 and Y=0.57.

description

7204	Size
B	Pressure angle
TVP	Plastic cage

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	20	0 / -10	620-2
D	nominal outer diameter	47	0 / -11	620-2
B	width	14	0 / -120	620-2
r1s min.	minimal chamfer dimension	1		628-1
r2s min.	minimal chamfer dimension	0.6		628-1
r3s min.	minimal chamfer dimension	1		628-1
r4s min.	minimal chamfer dimension	1		628-1
a	load application point	~21.06		
alpha	contact angle	40°		628-1
e	calculation factor	1.14		281
X0	calculation factor	0.5		76
Y0	calculation factor	0.26		76
X	calculation factor	0.35		281
Y	calculation factor	0.57		281

calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	13300	395	281	7650	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		12000	16000

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

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	PA66+GF25		

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