Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

data sheet

general data/description

article 7202 B TVP 2RS NS7 **Art-No.** 50370

brand SKA **weight/kg** 0.048

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. The tolerances and the load rating and rotation speed information refer to the single bearing. The valid factors for bearing sets must be observed. In case of doubt, contact the technical service of SKA.

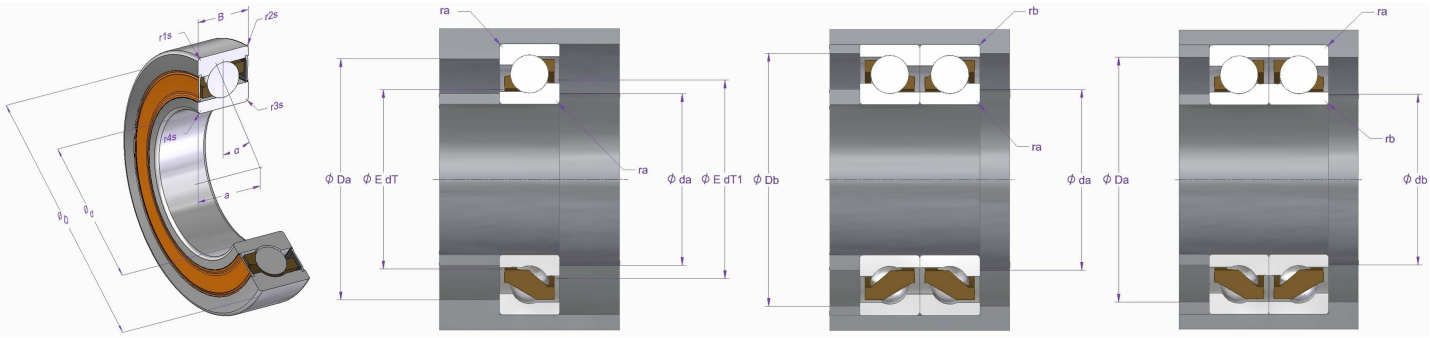
description

7202	Size
B	Pressure angle
TVP	Plastic cage
2RS	Sealing washers on both sides, touching

greasing

NS7	KYODO YUSHI MULTEMP SRL

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	15	0 / -8	620-2
D	nominal outer diameter	35	0 / -11	620-2
B	width	11	0 / -120	620-2
r1s min.	minimal chamfer dimension	0.6		628-1
r2s min.	minimal chamfer dimension	0.3		628-1
r3s min.	minimal chamfer dimension	0.6		628-1
r4s min.	minimal chamfer dimension	0.3		WERKSNORM
alpha	contact angle	40°		
a	load application point	~16		
da min.	mounting dimension	19.2		5418
Da max.	mounting dimension	30.8		5418
ra max.	mounting dimension	0.6		5418
db min.	mounting dimension	17.4		5418
Db max.	mounting dimension	32.6		5418
rb max.	mounting dimension	0.3		5418
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
	9270	226	281	4350	76

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

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

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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	PA66+GF25		
Sealing washer	St12/NBR, black		
Sealing washer	St12/NBR, orange		

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