Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

data sheet

general data/description

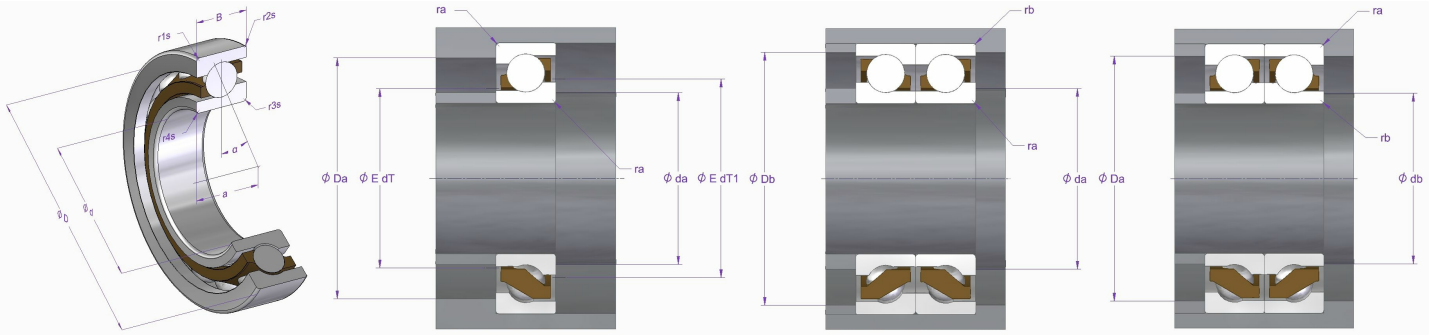
article 7309 B TVP UA P6 **Art-No.** 49008 **brand** SKA **weight/kg** 0.875

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

7309	Size
B	Pressure angle
TVP	Plastic cage
UA	Universally pairable, slight clearance
P6	Tolerance class

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	45	0 / -10	620-2
D	nominal outer diameter	100	0 / -13	620-2
B	width	25	0 / -150	620-2
r1s min.	minimal chamfer dimension	1.5		628-1
r2s min.	minimal chamfer dimension	1		628-1
r3s min.	minimal chamfer dimension	1.5		WERKSNORM
r4s min.	minimal chamfer dimension	1.5		WERKSNORM
a	load application point	~42.9		
alpha	contact angle	40°		
Da max.	mounting dimension	91		5418
da min.	mounting dimension	54		5418
Db max.	mounting dimension	94.4		5418
db min.	mounting dimension	54		5418
ra max.	mounting dimension	1.5		5418
rb max.	mounting dimension	1		5418
E dT	Diameter injection pitch	56.5	0 / 1000	WERKSNORM
E dT1	Diameter injection pitch	69	0 / 1000	WERKSNORM
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
	59700	2060	281	39700	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		5600	7500

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		

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