Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

data sheet

general data/description

created: 08.12.2017 / 03

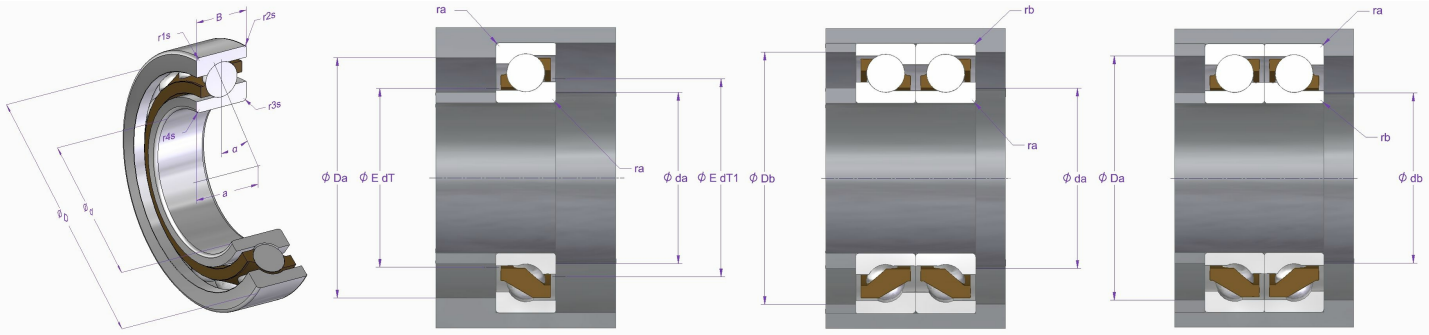
article 7212 B TVP UA **Art-No.** 47697 **brand** SKA **weight/kg** 0.82

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

7212	Size
B	Pressure angle
TVP	Plastic cage
UA	Universally pairable, slight clearance

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
D	nominal outer diameter	110	0 / -15	620-2
d	nominal inner diameter	60	0 / -15	620-2
B	width	22	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		628-1
r4s min.	minimal chamfer dimension	1.5		628-1
a	load application point	~46.7		
alpha	contact angle	40°		628-1
Da max.	mounting dimension	101		5418
da min.	mounting dimension	69		5418
Db max.	mounting dimension	104		WERKSNORM
db min.	mounting dimension	66		WERKSNORM
ra max.	mounting dimension	1.5		5418
rb max.	mounting dimension	1		5418
E dT	Diameter injection pitch	74.1		WERKSNORM
E dT1	Diameter injection pitch	82.7		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
	56100	2310	281	44400	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		4800	6300

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

article 7212 B TVP UA **Art-No.** 47697

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.