Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

general data/description

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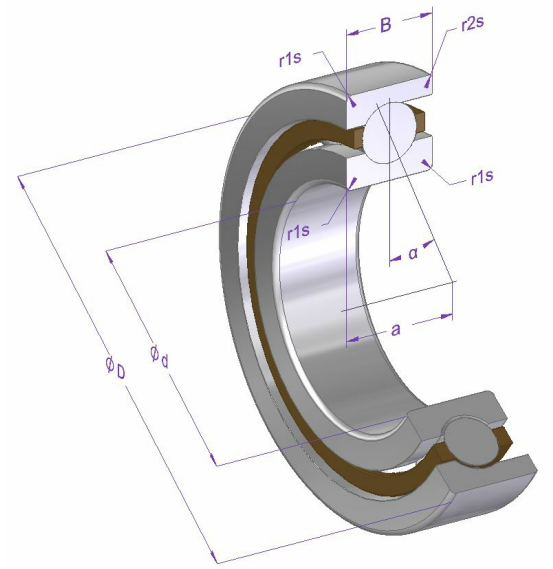
article B 71907 E T QU M P4S **Art-No.** 51555

brand SKA **weight/kg** 0.054

remark 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	
B	Design
71907	Size
E	Pressure angle
T	Hard tissue cage
QU	Layout
M	Medium preload
P4S	Tolerance class

dimensions and tolerances



dimension	**Description**	**[mm]**	**tolerance [µm]**	**DIN/ISO**
d	nominal inner diameter	35	0 / -6	620-2
D	nominal outer diameter	55	0 / -7	620-2
B	width	10	0 / -120	620-2
r1s min.	minimal chamfer dimension	0.6		628-6
r2s min.	minimal chamfer dimension	0.6		WERKSNORM
a	load application point	~15.5		
alpha	contact angle	25°		
Fv	pretension [N]	273		
c	axial stiffness [N/µm]	127		
KaE	Lift-off force [N]	820		

calculation and operating data

load ratings	**dynamic C [N]**	**fatique load limit load Cu [N]**	**DIN/ISO**	**static Co [N]**	**DIN/ISO**
	11500	680	281	6500	76

speed of rotation limit	**reference n [1/min]**	**grease n [1/min]**	**oil n [1/min]**
		24000	36000

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	PF		

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