general data/description

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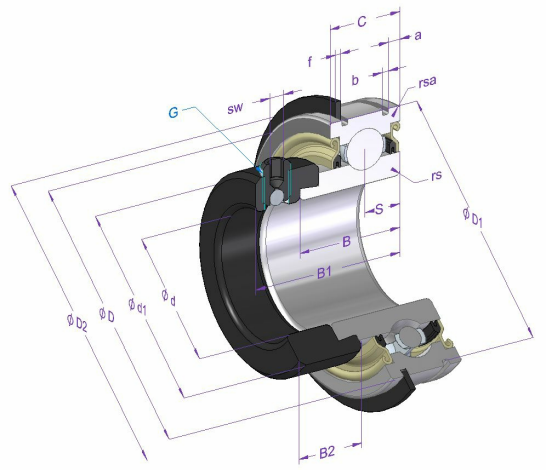
article RAE 20 NPP NR **Art-No.** 43909 **brand** SKA **weight/kg** 0.16

remark Rotational speed is reference value for shaft tolerance h7. Also depending on load and seal.

description

RAE	Design
20	Size
NPP	Seals
NR	Groove + ring

dimensions and tolerances



dimension	Description	[mm]	tolerance [µm]	DIN/ISO
d	nominal inner diameter	20	0 / 18	620-2
d1 max.	clamping ring outer diameter	33.3		626-1
B	inner ring width	21.4	0 / -120	626-1
B1	total width	31		626-1
B2	clamping ring width	13.5		626-1
D	nominal outer diameter	47	0 / -11	620-2
C	outer ring width	14		
a	groove distance	2.4		616
D1	groove diameter	44.6		616
b	snap ring groove width	1.35		616
D2 max.	snap ring outer diameter	52.7		5417
f	Snap ring width	1.12		5417
rsa min.	chamfer dimension groove side	0.5		616
S	swing axle distance	7.5		626-1
sw	wrench size	3		
G	thread	M6x0.75		

calculation and operating data

load ratings	dynamic C [N]	fatique load limit load Cu [N]	DIN/ISO	static Co [N]	DIN/ISO
	12800		281	6600	76

speed of rotation limit	reference n [1/min]	grease n [1/min]	oil n [1/min]
		5300	

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

bearing clearance	radial min. [µm]	max. [µm]
	13	28

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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	58-65
Cage	Sheet steel		
Seals	Sheet steel/NBR		
Clamping ring	C45		
Snap ring	56Mn4	5417	

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