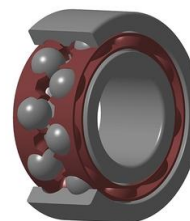


Technical data

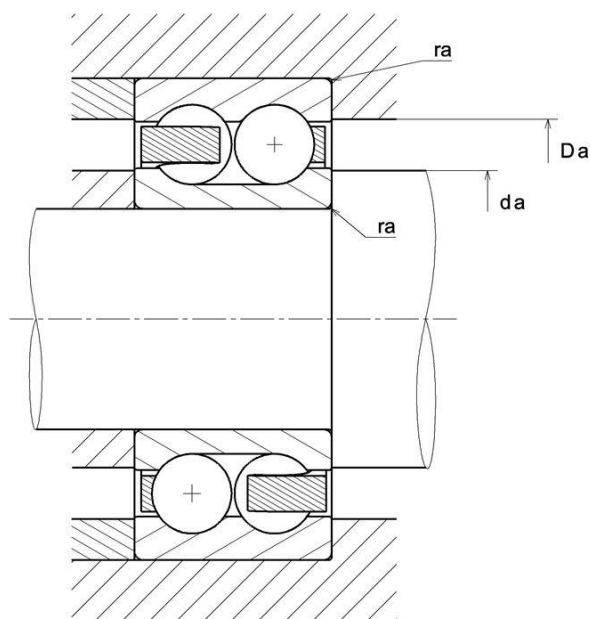
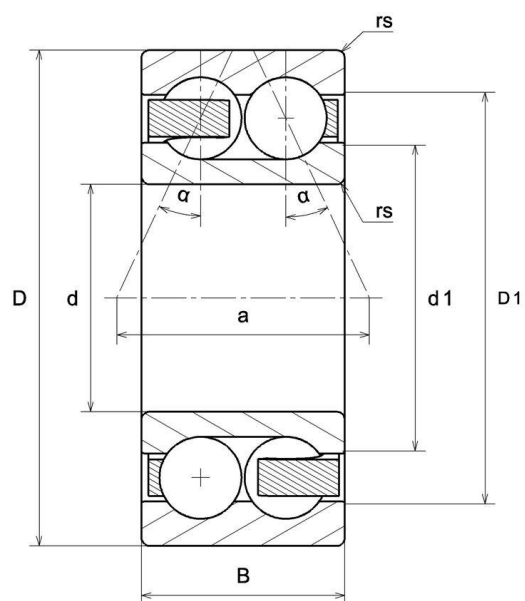
3204A

Double row angular contact ball bearings



Double row angular contact ball bearing, polyamide cage, open

VISUAL (S)



PRODUCT DEFINITION	
Brand	SNR
d - Internal diameter	20 mm
D - External diameter	47 mm
B - Bearing/Inner ring width	20,6 mm
d1 - External diameter inner ring	28,7 mm
D1 - Inner diameter outer ring	38,7 mm
a - Charge load application point	24,1 mm
- Contact angle	25 °
rs - Min fillet radius	1 mm
Radial clearance class	CN
Precision class	P0
Mass	0,147 kg

PRODUCT PERFORMANCE	
C - Dynamic load	19100000 mN
C0 - Static load	12400000 mN
Cu - Fatigue limit load	810000 mN
f0 - Coefficient	13.6
N ref - Reference thermal speed	72000 °/s
N lim - Mechanical Limit Speed	90000 °/s
Tmin - Min operating temperature	253,15 °K
Tmax - Max operating temperature	393,15 °K

BEARING FREQUENCIES	
BPFO - Over rolling frequency on outer ring (60 rpm)	3.141 Hz



3204A

Double row angular contact ball bearings

BEARING FREQUENCIES

BPFI - Over rolling frequency on inner (60 rpm)	4.859 Hz
BSF - Over rolling frequency on rolling element (60 rpm)	4.026 Hz
BRF - Rotational frequency - rolling element (60 rpm)	2.013 Hz
FTF - Rotational frequency - cage (60 rpm)	0.393 Hz

ABUTMENT

da min - Min shoulder diameter IR	25 mm
Da max - Max shoulder diameter OR	42 mm
ra max - Max shaft & housing fillet radius	1 mm



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