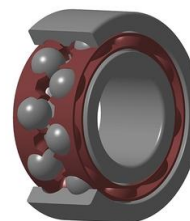


Technical data

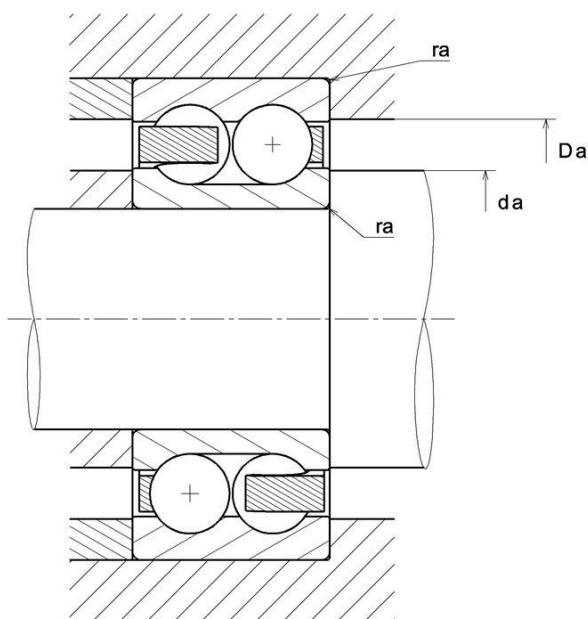
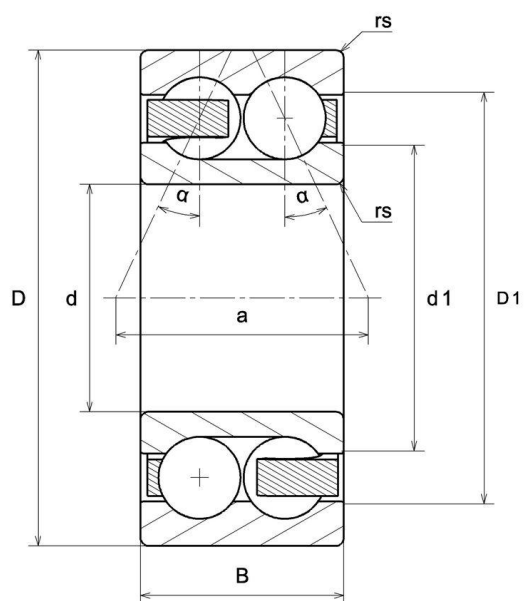
3202A

Double row angular contact ball bearings



Double row angular contact ball bearing, polyamide cage, open

VISUAL (S)



PRODUCT DEFINITION	
Brand	SNR
d - Internal diameter	15 mm
D - External diameter	35 mm
B - Bearing/Inner ring width	15,9 mm
d1 - External diameter inner ring	21,1 mm
D1 - Inner diameter outer ring	29,3 mm
a - Charge load application point	18 mm
- Contact angle	25 °
rs - Min fillet radius	0,6 mm
Radial clearance class	CN
Precision class	P0
Mass	0,058 kg

PRODUCT PERFORMANCE	
C - Dynamic load	11400000 mN
C0 - Static load	7100000 mN
Cu - Fatigue limit load	480000 mN
f0 - Coefficient	13.5
N ref - Reference thermal speed	84000 °/s
N lim - Mechanical Limit Speed	120000 °/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)	3.13 Hz



3202A

Double row angular contact ball bearings

BEARING FREQUENCIES

BPFI - Over rolling frequency on inner (60 rpm)	4.87 Hz
BSF - Over rolling frequency on rolling element (60 rpm)	3.97 Hz
BRF - Rotational frequency - rolling element (60 rpm)	1.985 Hz
FTF - Rotational frequency - cage (60 rpm)	0.391 Hz

ABUTMENT

da min - Min shoulder diameter IR	19 mm
Da max - Max shoulder diameter OR	31 mm
ra max - Max shaft & housing fillet radius	0,6 mm



NTN Europe

1 rue des Usines · BP 2017 · 74010 Annecy Cedex · France · Tel. +33 (0)4 50 65 30 00
S.A. au capital de 322 639 919 € · RCS ANNECY B 325 821 072 · Id. Fiscale : FR 48 325 821 072
SIRET 325 821 072 00015 · Code APE 2815 Z · Code NACE 28.15