



Brand of NTN corporation

Technical data

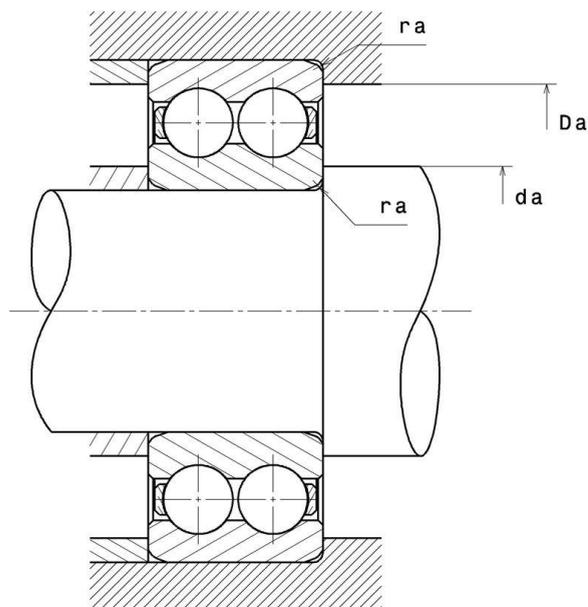
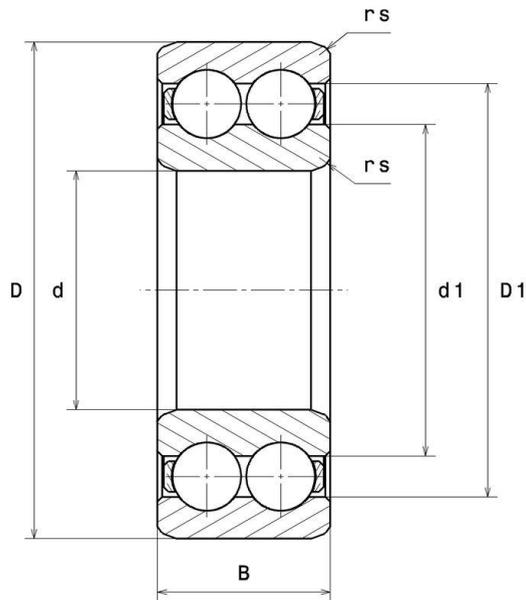
4202A

Double row deep groove ball bearings



Double row deep groove ball bearing, polyamide cage, open

VISUAL (S)



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

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Double row deep groove ball bearings

PRODUCT DEFINITION

Brand	SNR
d - Internal diameter	15 mm
D - External diameter	35 mm
B - Bearing/Inner ring width	14 mm
d1 - External diameter inner ring	21,6 mm
D1 - Inner diameter outer ring	28,3 mm
rs - Min fillet radius	0,6 mm
Radial clearance class	CN
Precision class	P0
Mass	0,059 kg

PRODUCT PERFORMANCE

C - Dynamic load	10400000 mN
C0 - Static load	6600000 mN
Cu - Fatigue limit load	400000 mN
f0 - Coefficient	13.4
N ref - Reference thermal speed	96000 °/s
N lim - Mechanical Limit Speed	114000 °/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)	3.111 Hz
BPFI - Over rolling frequency on inner (60 rpm)	4.889 Hz
FTF - Rotational frequency - cage (60 rpm)	0.389 Hz



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BEARING FREQUENCIES

BRF - Rotational frequency - rolling element (60 rpm)	2.139 Hz
BSF - Over rolling frequency on rolling element (60 rpm)	4.277 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



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