



Brand of NTN corporation

Technical data

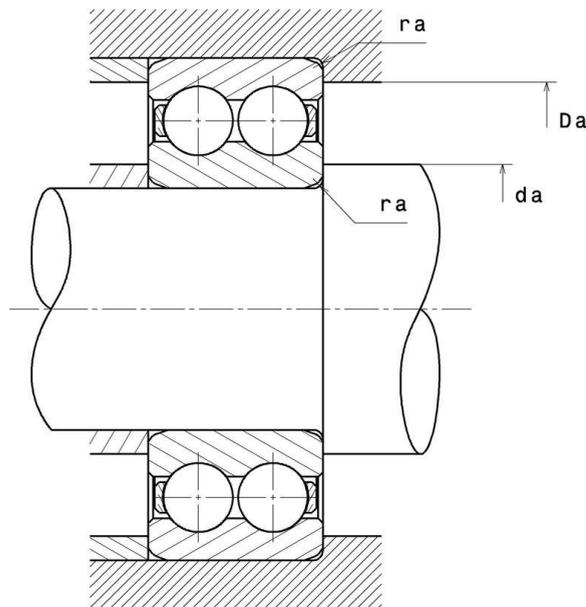
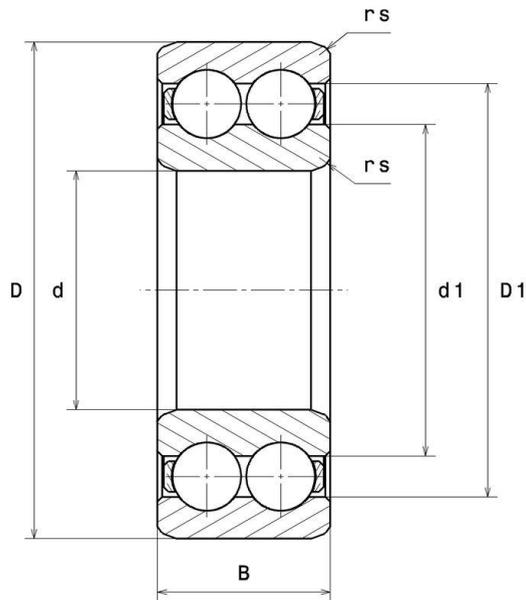
4205A

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	25 mm
D - External diameter	52 mm
B - Bearing/Inner ring width	18 mm
d1 - External diameter inner ring	34,7 mm
D1 - Inner diameter outer ring	43,3 mm
rs - Min fillet radius	1 mm
Radial clearance class	CN
Precision class	P0
Mass	0,16 kg

PRODUCT PERFORMANCE

C - Dynamic load	19100000 mN
C0 - Static load	14700000 mN
Cu - Fatigue limit load	820000 mN
f0 - Coefficient	14.4
N ref - Reference thermal speed	66000 °/s
N lim - Mechanical Limit Speed	72000 °/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)	4.084 Hz
BPFI - Over rolling frequency on inner (60 rpm)	5.916 Hz
FTF - Rotational frequency - cage (60 rpm)	0.408 Hz



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BEARING FREQUENCIES

BRF - Rotational frequency - rolling element (60 rpm)	2.638 Hz
BSF - Over rolling frequency on rolling element (60 rpm)	5.276 Hz

ABUTMENT

da min - Min shoulder diameter IR	31 mm
Da max - Max shoulder diameter OR	46 mm
ra max - Max shaft & housing fillet radius	1 mm



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