



Brand of NTN corporation

Technical data

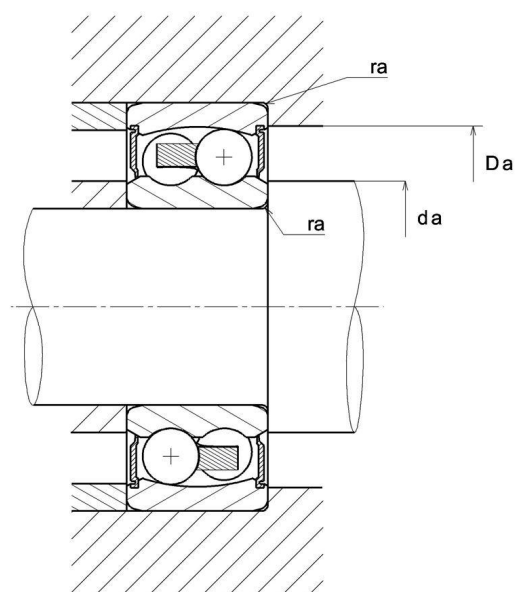
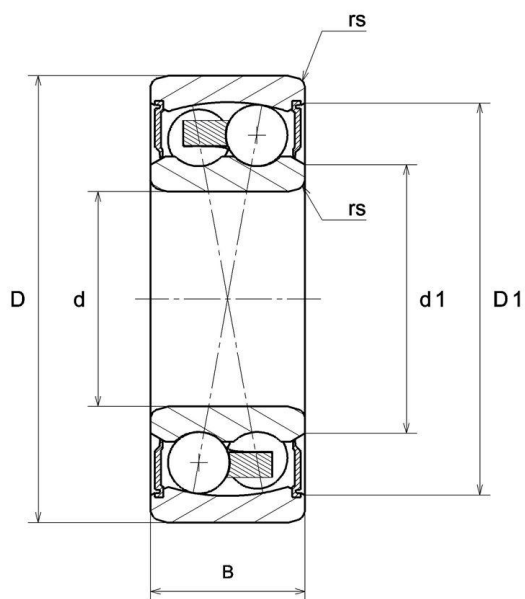
2209EEG15

Double-row self-aligning ball bearings



Self-aligning ball bearing, polyamide cage, friction seals on both sides

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

PRODUCT DEFINITION

Brand	SNR
d - Internal diameter	45 mm
D - External diameter	85 mm
B - Bearing/Inner ring width	23 mm
d1 - External diameter inner ring	53,6 mm
D1 - Inner diameter outer ring	76,5 mm
rs - Min fillet radius	1,1 mm
Radial clearance class	CN
Precision class	P0
Mass	0,54 kg

PRODUCT PERFORMANCE

C - Dynamic load	21800000 mN
C0 - Static load	7300000 mN
Cu - Fatigue limit load	330000 mN
e - Coefficient	0.21
Y0 - Static axial load coefficient	3.18
Y1 - Lower axial load coefficient	3.04
Y2 - Upper axial load coefficient	4.7
N lim - Mechanical Limit Speed	27000 °/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)	6.828 Hz
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BEARING FREQUENCIES

BPFI - Over rolling frequency on inner (60 rpm)	9.172 Hz
BSF - Over rolling frequency on rolling element (60 rpm)	6.614 Hz
BRF - Rotational frequency - rolling element (60 rpm)	3.307 Hz
FTF - Rotational frequency - cage (60 rpm)	0.427 Hz

ABUTMENT

da min - Min shoulder diameter IR	51,5 mm
Da max - Max shoulder diameter OR	78,5 mm
ra max - Max shaft & housing fillet radius	1 mm



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