



Brand of NTN corporation

Technical data

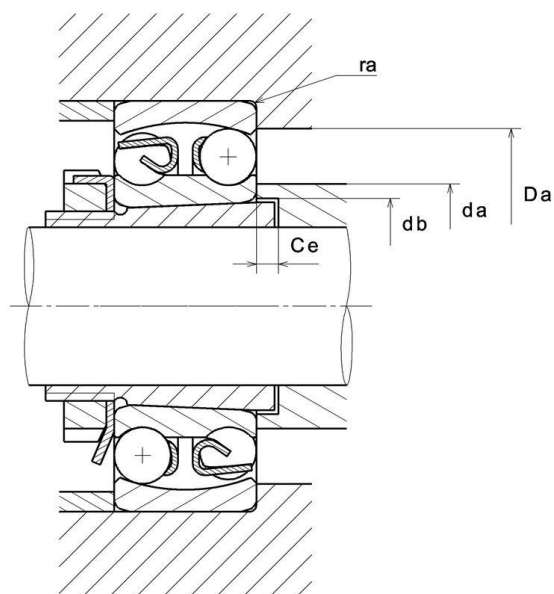
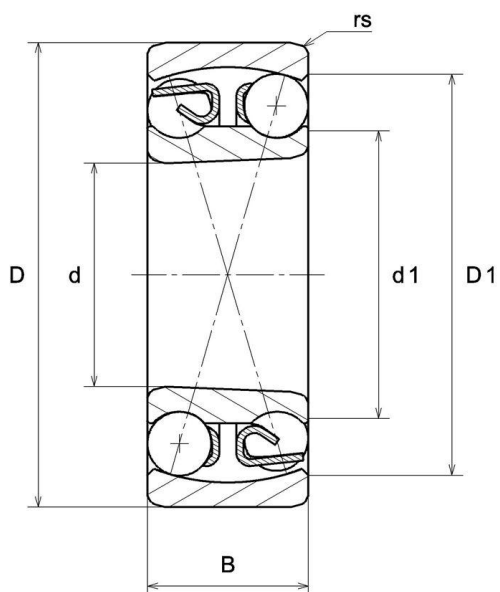
1209.KC3

Double-row self-aligning ball bearings



Self-aligning ball bearing, pressed steel cage, tapered bore, open

VISUAL (S)



NTN Europe

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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	19 mm
d1 - External diameter inner ring	57,7 mm
D1 - Inner diameter outer ring	72,1 mm
rs - Min fillet radius	1,1 mm
Associated sleeve reference	H209
Radial clearance class	C3
Precision class	P0
Mass	0,456 kg

PRODUCT PERFORMANCE

C - Dynamic load	21500000 mN
C0 - Static load	7300000 mN
Cu - Fatigue limit load	330000 mN
e - Coefficient	0.21
Y0 - Static axial load coefficient	3.12
Y1 - Lower axial load coefficient	2.98
Y2 - Upper axial load coefficient	4.6
N ref - Reference thermal speed	48600 °/s
N lim - Mechanical Limit Speed	66000 °/s
Tmin - Min operating temperature	233,15 °K
Tmax - Max operating temperature	393,15 °K



BEARING FREQUENCIES

BPFO - Over rolling frequency on outer ring (60 rpm)	6.828 Hz
BPFI - Over rolling frequency on inner (60 rpm)	9.172 Hz
BSF - Over rolling frequency on rolling element (60 rpm)	6.612 Hz
BRF - Rotational frequency - rolling element (60 rpm)	3.306 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 IR	57 mm
db - Min diameter for Sleeve	48 mm
Ce - Min length fro Sleeve	5 mm
Da max - Max shoulder diameter OR	78,5 mm
ra max - Max shaft & housing fillet radius	1 mm

