



Brand of NTN corporation

Technical data

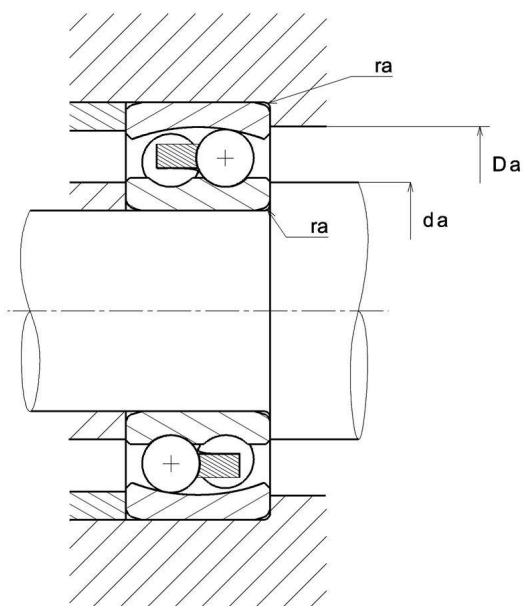
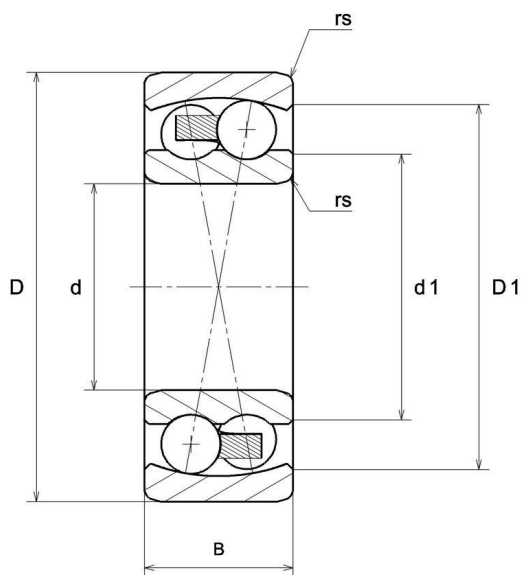
1203G15

Double-row self-aligning ball bearings



Self-aligning 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

1203G15

Double-row self-aligning ball bearings

PRODUCT DEFINITION

Brand	SNR
d - Internal diameter	17 mm
D - External diameter	40 mm
B - Bearing/Inner ring width	12 mm
d1 - External diameter inner ring	23,7 mm
D1 - Inner diameter outer ring	31,7 mm
rs - Min fillet radius	0,6 mm
Radial clearance class	CN
Precision class	P0
Mass	0,073 kg

PRODUCT PERFORMANCE

C - Dynamic load	7900000 mN
C0 - Static load	2010000 mN
Cu - Fatigue limit load	90000 mN
e - Coefficient	0.33
Y0 - Static axial load coefficient	2.03
Y1 - Lower axial load coefficient	1.94
Y2 - Upper axial load coefficient	2.99
N ref - Reference thermal speed	102000 °/s
N lim - Mechanical Limit Speed	150000 °/s
Tmin - Min operating temperature	253,15 °K
Tmax - Max operating temperature	393,15 °K



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

1203G15

Double-row self-aligning ball bearings

BEARING FREQUENCIES

BPFO - Over rolling frequency on outer ring (60 rpm)	4.822 Hz
BPFI - Over rolling frequency on inner (60 rpm)	7.178 Hz
BSF - Over rolling frequency on rolling element (60 rpm)	4.784 Hz
BRF - Rotational frequency - rolling element (60 rpm)	2.392 Hz
FTF - Rotational frequency - cage (60 rpm)	0.402 Hz

ABUTMENT

da min - Min shoulder diameter IR	21 mm
Da max - Max shoulder diameter OR	36 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