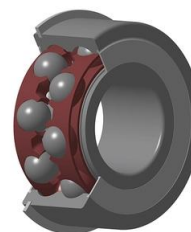


Technical data

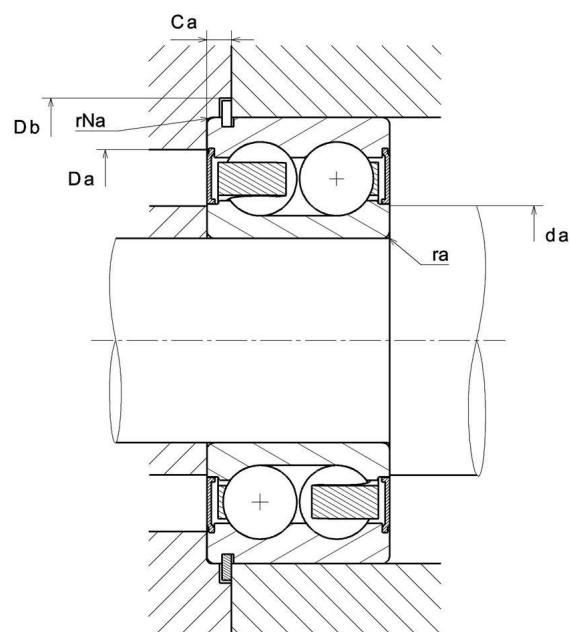
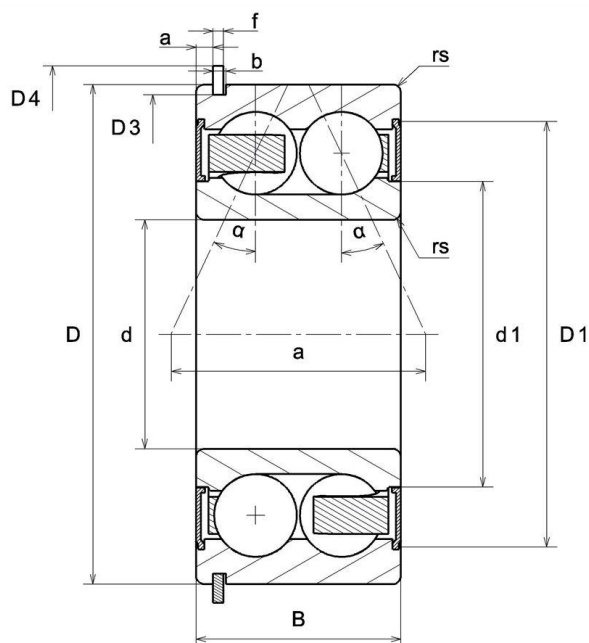
5305NRZZG15

Double row angular contact ball bearings



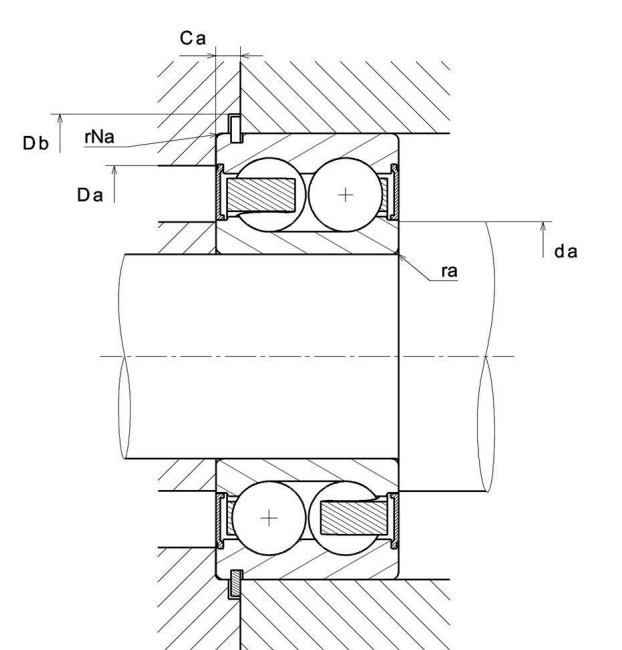
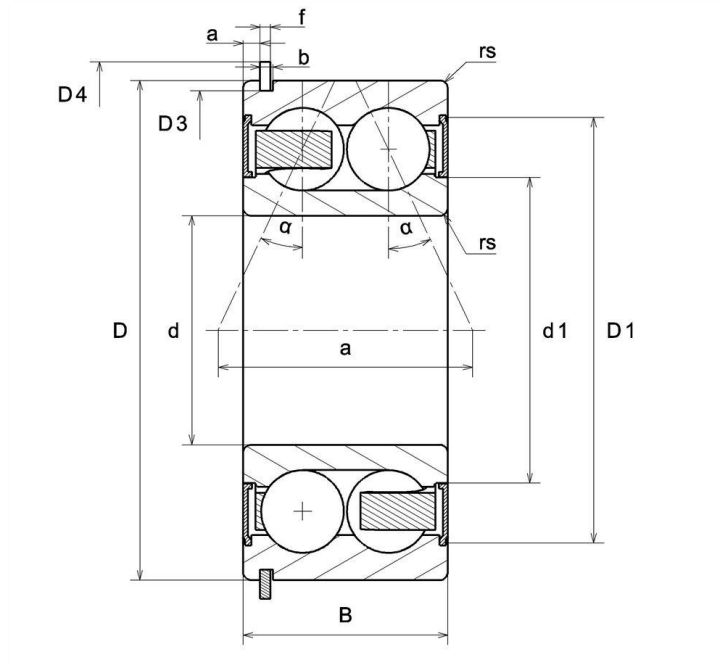
Double row angular contact ball bearing, polyamide cage, snap ring and groove on outer diameter, shield on both sides

VISUAL (S)



5305NRZZG15

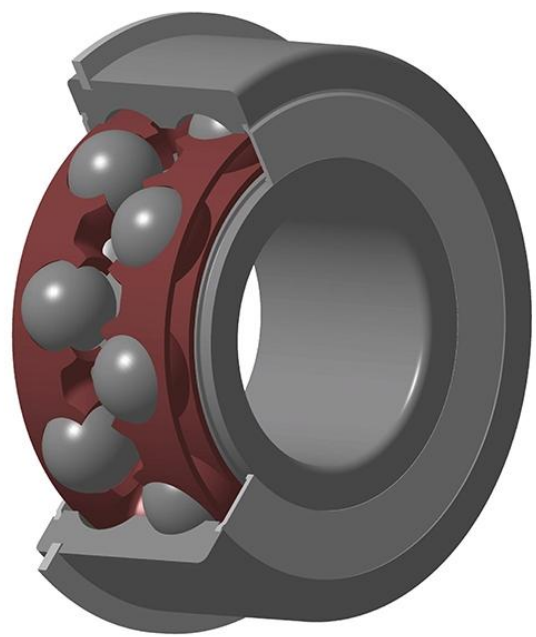
Double row angular contact ball bearings



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

5305NRZZG15
Double row angular contact ball bearings



PRODUCT DEFINITION	
Brand	SNR
d - Internal diameter	25 mm
D - External diameter	62 mm
B - Bearing/Inner ring width	25,4 mm
d1 - External diameter inner ring	36,4 mm
D1 - Inner diameter outer ring	53,1 mm
a - Charge load application point	30,7 mm
- Contact angle	25 °
a min - Min position Groove	3,07 mm
a max - Max position groove	3,28 mm
rs - Min fillet radius	1,1 mm
rNs - Min fillet radius	0,6 mm
D3 - Max bottom groove diameter	59,61 mm



5305NRZZG15

Double row angular contact ball bearings

PRODUCT DEFINITION

b min - Min groove width	1,9 mm
b max - Max groove width	2,2 mm
r0 max - Max bottom groove radius	0,6 mm
D4 max - Max outer diameter of assembled stop ring	67,7 mm
f - Stop ring thickness	1,65 mm
Snap ring reference	R 62
Radial clearance class	CN
Precision class	P0
Mass	0,316 kg

PRODUCT PERFORMANCE

C - Dynamic load	28300000 mN
C0 - Static load	19400000 mN
Cu - Fatigue limit load	1210000 mN
f0 - Coefficient	13.4
N ref - Reference thermal speed	47400 °/s
N lim - Mechanical Limit Speed	52200 °/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)	3.167 Hz
BPFI - Over rolling frequency on inner (60 rpm)	4.833 Hz
BSF - Over rolling frequency on rolling element (60 rpm)	4.161 Hz
BRF - Rotational frequency – rolling element (60 rpm)	2.081 Hz



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

5305NRZZG15

Double row angular contact ball bearings

BEARING FREQUENCIES

FTF - Rotational frequency - cage (60 rpm)

0.396 Hz

ABUTMENT

da min - Min shoulder diameter IR

31,5 mm

da max - Max shoulder diameter IR

36,4 mm

Da max - Max shoulder diameter OR

55,5 mm

Ca min - Mini segment position

4,67 mm

Ca max - Max segment position

4,98 mm

ra max - Max shaft & housing fillet radius

1 mm

rNa max - Max fillet radius on segment side

0,6 mm

Db min - Min stop ring position diameter

68,4 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