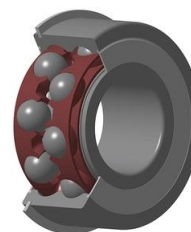


Technical data

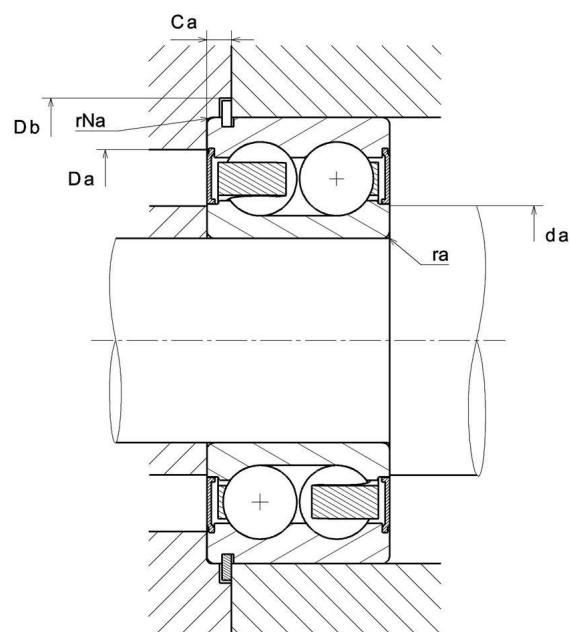
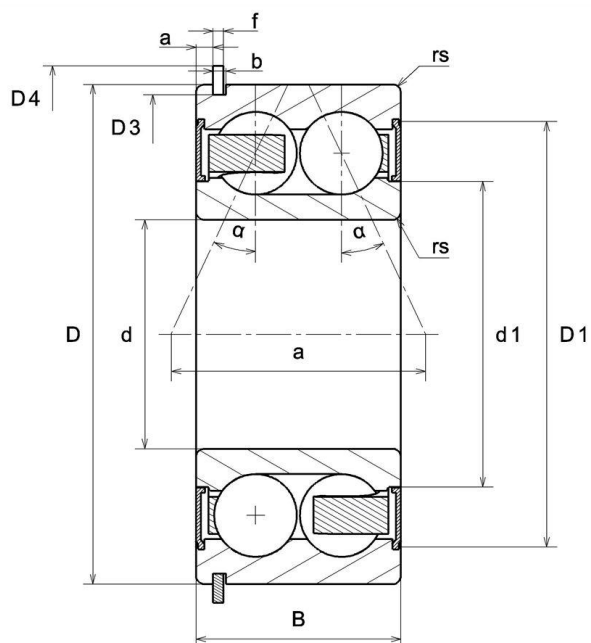
5309NRZZG15

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)



5309NRZZG15

Double row angular contact ball bearings

PRODUCT DEFINITION

Brand	SNR
d - Internal diameter	45 mm
D - External diameter	100 mm
B - Bearing/Inner ring width	39,7 mm
d1 - External diameter inner ring	62 mm
D1 - Inner diameter outer ring	86,5 mm
a - Charge load application point	50,1 mm
- Contact angle	25 °
a min - Min position Groove	3,07 mm
a max - Max position groove	3,28 mm
rs - Min fillet radius	1,5 mm
rNs - Min fillet radius	0,6 mm
D3 - Max bottom groove diameter	96,8 mm
b min - Min groove width	2,7 mm
b max - Max groove width	3 mm
r0 max - Max bottom groove radius	0,6 mm
D4 max - Max outer diameter of assembled stop ring	106,5 mm
f - Stop ring thickness	2,41 mm
Snap ring reference	R 100
Radial clearance class	CN
Precision class	P0
Mass	1,21 kg



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

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Double row angular contact ball bearings

PRODUCT PERFORMANCE

C - Dynamic load	65800000 mN
C0 - Static load	51000000 mN
Cu - Fatigue limit load	3150000 mN
f0 - Coefficient	13.9
N ref - Reference thermal speed	33000 °/s
N lim - Mechanical Limit Speed	31800 °/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)	3.198 Hz
BPFI - Over rolling frequency on inner (60 rpm)	4.802 Hz
BSF - Over rolling frequency on rolling element (60 rpm)	4.338 Hz
BRF - Rotational frequency – rolling element (60 rpm)	2.169 Hz
FTF - Rotational frequency - cage (60 rpm)	0.4 Hz

ABUTMENT

da min - Min shoulder diameter IR	53 mm
da max - Max shoulder diameter IR	62 mm
Da max - Max shoulder diameter OR	92 mm
Ca min - Mini segment position	5,43 mm
Ca max - Max segment position	5,74 mm
ra max - Max shaft & housing fillet radius	1,5 mm
rNa max - Max fillet radius on segment side	0,6 mm
Db min - Min stop ring position diameter	107,9 mm



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