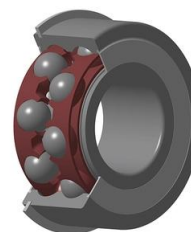


Technical data

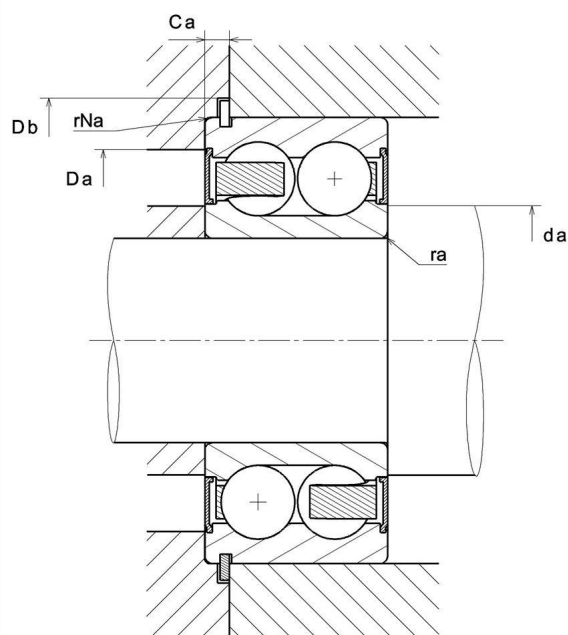
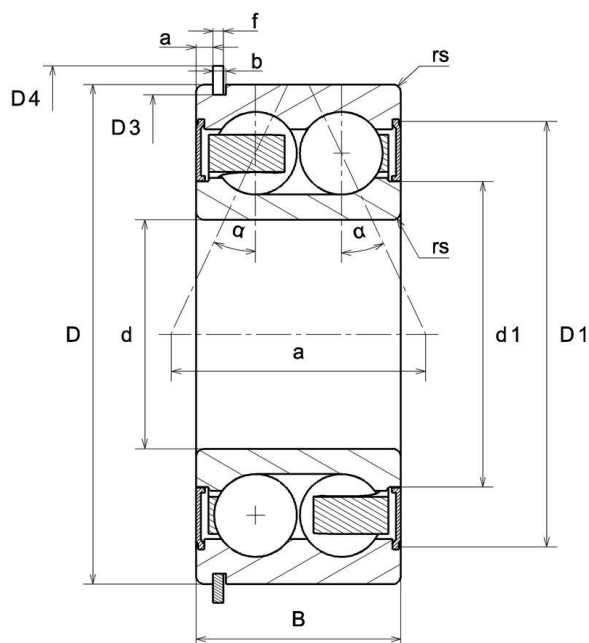
5202NRZZG15

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)



5202NRZZG15

Double row angular contact ball bearings

PRODUCT DEFINITION

Brand	SNR
d - Internal diameter	15 mm
D - External diameter	35 mm
B - Bearing/Inner ring width	15,9 mm
d1 - External diameter inner ring	21,1 mm
D1 - Inner diameter outer ring	31,5 mm
a - Charge load application point	18 mm
- Contact angle	25 °
a min - Min position Groove	1,9 mm
a max - Max position groove	2,06 mm
rs - Min fillet radius	0,6 mm
rNs - Min fillet radius	0,6 mm
D3 - Max bottom groove diameter	33,17 mm
b min - Min groove width	1,35 mm
b max - Max groove width	1,65 mm
r0 max - Max bottom groove radius	0,4 mm
D4 max - Max outer diameter of assembled stop ring	39,7 mm
f - Stop ring thickness	1,07 mm
Snap ring reference	R 35
Radial clearance class	CN
Precision class	P0
Mass	0,058 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

PRODUCT PERFORMANCE

C - Dynamic load	11400000 mN
C0 - Static load	7100000 mN
Cu - Fatigue limit load	480000 mN
f0 - Coefficient	13.5
N ref - Reference thermal speed	84000 °/s
N lim - Mechanical Limit Speed	96000 °/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)	3.13 Hz
BPFI - Over rolling frequency on inner (60 rpm)	4.87 Hz
BSF - Over rolling frequency on rolling element (60 rpm)	3.97 Hz
BRF - Rotational frequency – rolling element (60 rpm)	1.985 Hz
FTF - Rotational frequency - cage (60 rpm)	0.391 Hz

ABUTMENT

da min - Min shoulder diameter IR	19 mm
da max - Max shoulder diameter IR	21,1 mm
Da max - Max shoulder diameter OR	31 mm
Ca min - Mini segment position	2,92 mm
Ca max - Max segment position	3,18 mm
ra max - Max shaft & housing fillet radius	0,6 mm
rNa max - Max fillet radius on segment side	0,6 mm
Db min - Min stop ring position diameter	40,4 mm

