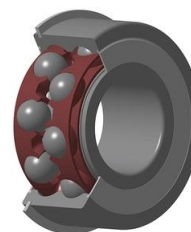


Technical data

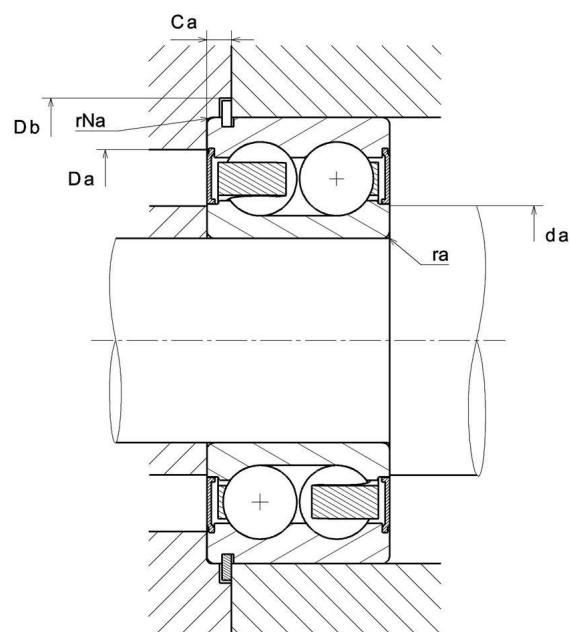
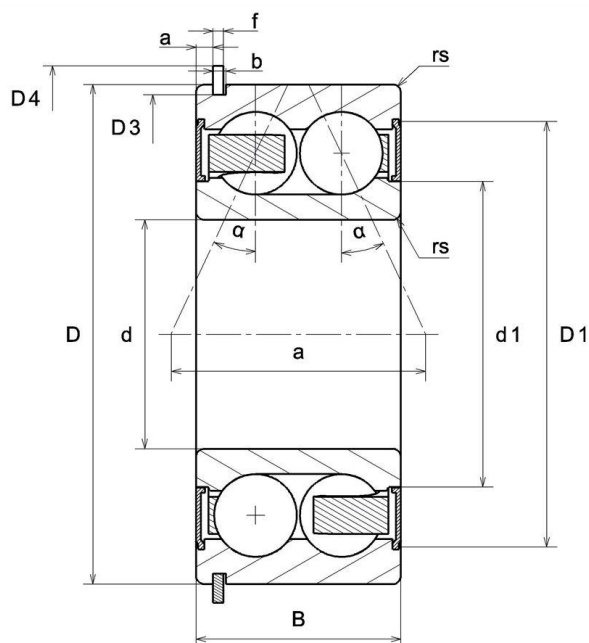
5311NRZZG15

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)



5311NRZZG15

Double row angular contact ball bearings

PRODUCT DEFINITION

Brand	SNR
d - Internal diameter	55 mm
D - External diameter	120 mm
B - Bearing/Inner ring width	49,2 mm
d1 - External diameter inner ring	75,2 mm
D1 - Inner diameter outer ring	105 mm
a - Charge load application point	61,2 mm
- Contact angle	25 °
a min - Min position Groove	3,86 mm
a max - Max position groove	4,06 mm
rs - Min fillet radius	2 mm
rNs - Min fillet radius	1 mm
D3 - Max bottom groove diameter	115,21 mm
b min - Min groove width	3,1 mm
b max - Max groove width	3,4 mm
r0 max - Max bottom groove radius	0,6 mm
D4 max - Max outer diameter of assembled stop ring	129,7 mm
f - Stop ring thickness	2,77 mm
Snap ring reference	R 120
Radial clearance class	CN
Precision class	P0
Mass	2,11 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	98600000 mN
C0 - Static load	78800000 mN
Cu - Fatigue limit load	49000000 mN
f0 - Coefficient	13.8
N ref - Reference thermal speed	30000 °/s
N lim - Mechanical Limit Speed	26400 °/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)	3.173 Hz
BPFI - Over rolling frequency on inner (60 rpm)	4.827 Hz
BSF - Over rolling frequency on rolling element (60 rpm)	4.197 Hz
BRF - Rotational frequency – rolling element (60 rpm)	2.099 Hz
FTF - Rotational frequency - cage (60 rpm)	0.397 Hz

ABUTMENT

da min - Min shoulder diameter IR	64 mm
da max - Max shoulder diameter IR	75,2 mm
Da max - Max shoulder diameter OR	111 mm
Ca min - Mini segment position	6,58 mm
Ca max - Max segment position	6,88 mm
ra max - Max shaft & housing fillet radius	2 mm
rNa max - Max fillet radius on segment side	1 mm
Db min - Min stop ring position diameter	131,5 mm



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