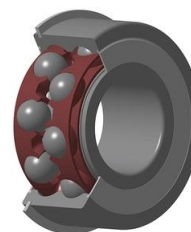


Technical data

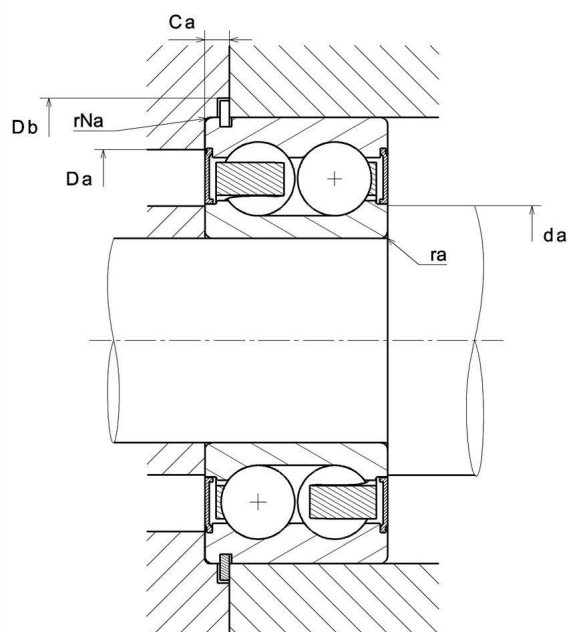
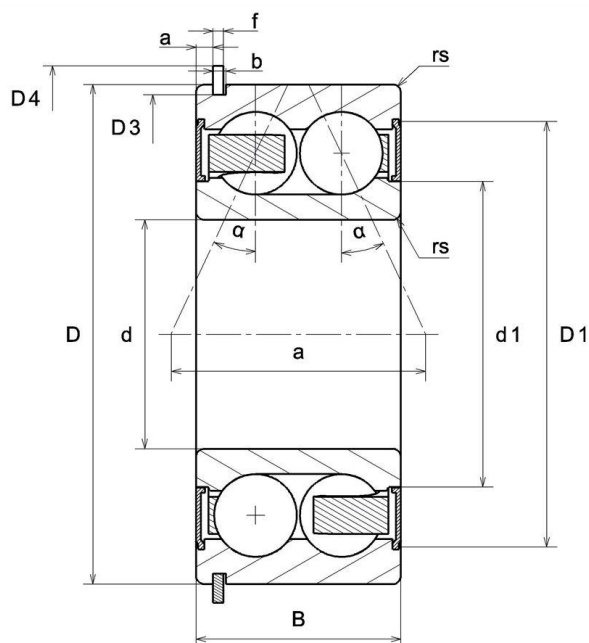
5307NRZZG15

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)



5307NRZZG15

Double row angular contact ball bearings

PRODUCT DEFINITION

Brand	SNR
d - Internal diameter	35 mm
D - External diameter	80 mm
B - Bearing/Inner ring width	34,9 mm
d1 - External diameter inner ring	49,3 mm
D1 - Inner diameter outer ring	68,4 mm
a - Charge load application point	41,5 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	76,81 mm
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	86,6 mm
f - Stop ring thickness	1,65 mm
Snap ring reference	R 80
Radial clearance class	CN
Precision class	P0
Mass	0,664 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	50200000 mN
C0 - Static load	34600000 mN
Cu - Fatigue limit load	2210000 mN
f0 - Coefficient	13.4
N ref - Reference thermal speed	40800 °/s
N lim - Mechanical Limit Speed	39600 °/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)	2.712 Hz
BPFI - Over rolling frequency on inner (60 rpm)	4.288 Hz
BSF - Over rolling frequency on rolling element (60 rpm)	3.82 Hz
BRF - Rotational frequency - rolling element (60 rpm)	1.91 Hz
FTF - Rotational frequency - cage (60 rpm)	0.387 Hz

ABUTMENT

da min - Min shoulder diameter IR	43 mm
da max - Max shoulder diameter IR	49,3 mm
Da max - Max shoulder diameter OR	72 mm
Ca min - Mini segment position	4,67 mm
Ca max - Max segment position	4,98 mm
ra max - Max shaft & housing fillet radius	1,5 mm
rNa max - Max fillet radius on segment side	0,6 mm
Db min - Min stop ring position diameter	88 mm



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