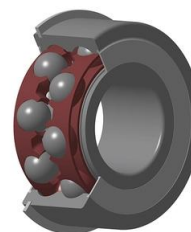


Technical data

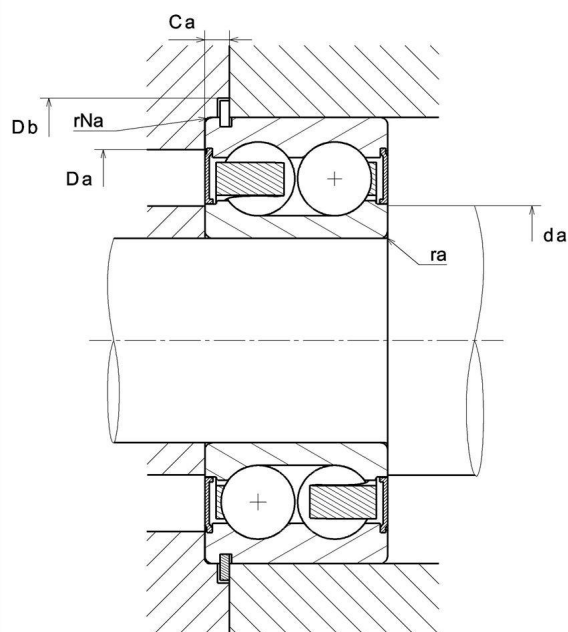
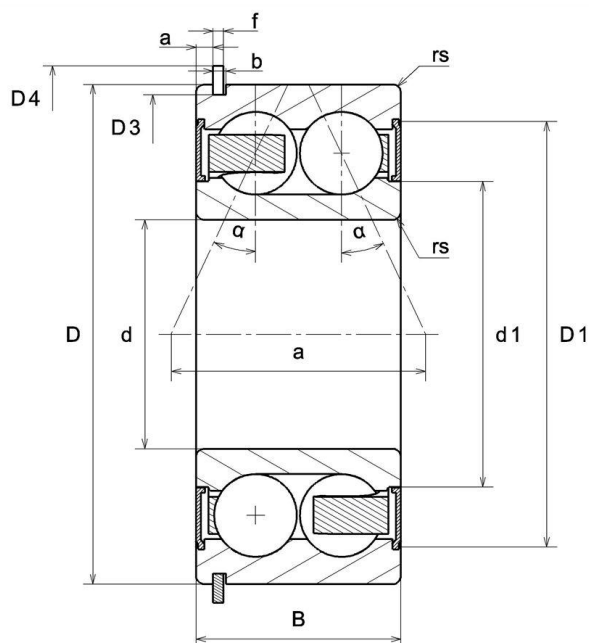
5208NRZZG15

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)



5208NRZZG15

Double row angular contact ball bearings

PRODUCT DEFINITION

Brand	SNR
d - Internal diameter	40 mm
D - External diameter	80 mm
B - Bearing/Inner ring width	30,2 mm
d1 - External diameter inner ring	53 mm
D1 - Inner diameter outer ring	71,3 mm
a - Charge load application point	40,9 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	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	0,55 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	46100000 mN
C0 - Static load	36300000 mN
Cu - Fatigue limit load	2220000 mN
f0 - Coefficient	14.2
N ref - Reference thermal speed	42600 °/s
N lim - Mechanical Limit Speed	39000 °/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)	3.65 Hz
BPFI - Over rolling frequency on inner (60 rpm)	5.35 Hz
BSF - Over rolling frequency on rolling element (60 rpm)	4.629 Hz
BRF - Rotational frequency - rolling element (60 rpm)	2.315 Hz
FTF - Rotational frequency - cage (60 rpm)	0.406 Hz

ABUTMENT

da min - Min shoulder diameter IR	46,5 mm
da max - Max shoulder diameter IR	53 mm
Da max - Max shoulder diameter OR	73,5 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	88 mm



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