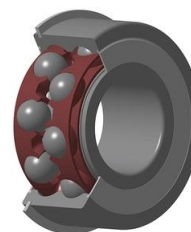


Technical data

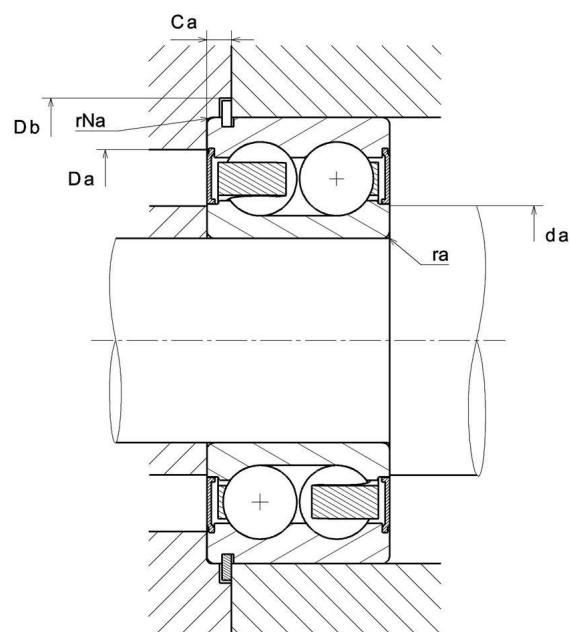
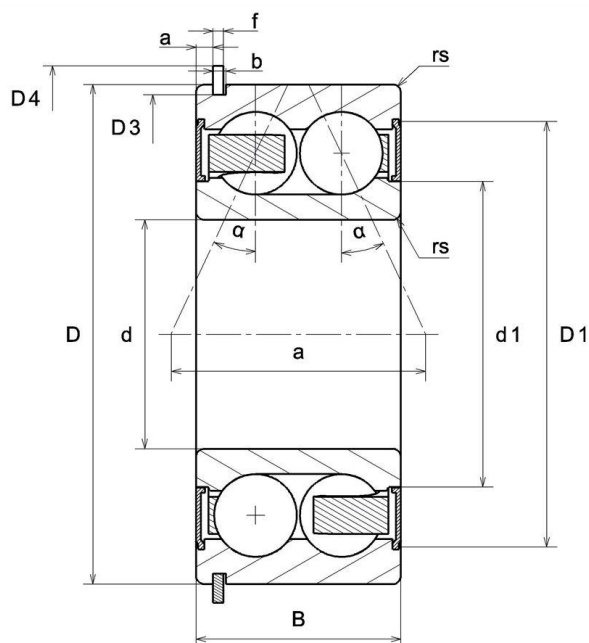
5207NRZZG15

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)



5207NRZZG15

Double row angular contact ball bearings

PRODUCT DEFINITION

Brand	SNR
d - Internal diameter	35 mm
D - External diameter	72 mm
B - Bearing/Inner ring width	27 mm
d1 - External diameter inner ring	47,2 mm
D1 - Inner diameter outer ring	64,3 mm
a - Charge load application point	36,5 mm
- Contact angle	25 °
a min - Min position Groove	3,07 mm
a max - Max position groove	3,28 mm
rs - Min fillet radius	1,1 mm
rNs - Min fillet radius	0,6 mm
D3 - Max bottom groove diameter	68,81 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	78,6 mm
f - Stop ring thickness	1,65 mm
Snap ring reference	R 72
Radial clearance class	CN
Precision class	P0
Mass	0,412 kg



NTN Europe

1 rue des Usines · BP 2017 · 74010 Annecy Cedex · France · Tel. +33 (0)4 50 65 30 00
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

5207NRZZG15

Double row angular contact ball bearings

PRODUCT PERFORMANCE

C - Dynamic load	37300000 mN
C0 - Static load	28700000 mN
Cu - Fatigue limit load	17700000 mN
f0 - Coefficient	14.2
N ref - Reference thermal speed	45600 °/s
N lim - Mechanical Limit Speed	43800 °/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)	3.653 Hz
BPFI - Over rolling frequency on inner (60 rpm)	5.347 Hz
BSF - Over rolling frequency on rolling element (60 rpm)	4.644 Hz
BRF - Rotational frequency - rolling element (60 rpm)	2.322 Hz
FTF - Rotational frequency - cage (60 rpm)	0.406 Hz

ABUTMENT

da min - Min shoulder diameter IR	41,5 mm
da max - Max shoulder diameter IR	47,2 mm
Da max - Max shoulder diameter OR	65,5 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	80 mm



NTN Europe

1 rue des Usines · BP 2017 · 74010 Annecy Cedex · France · Tel. +33 (0)4 50 65 30 00
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