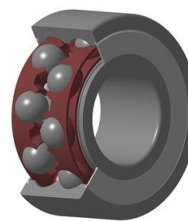


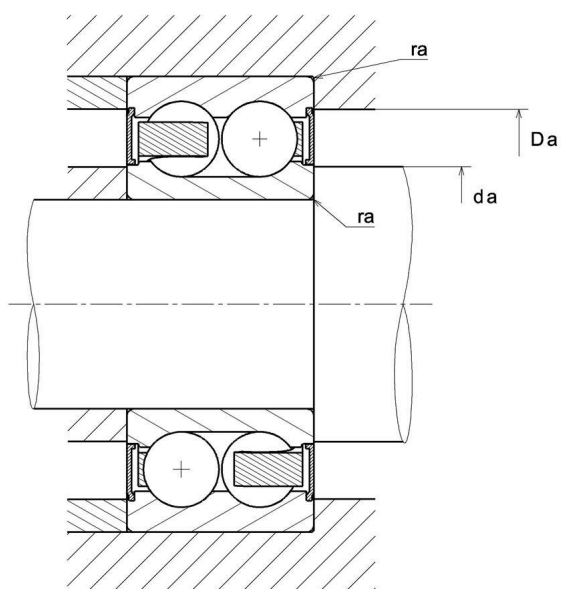
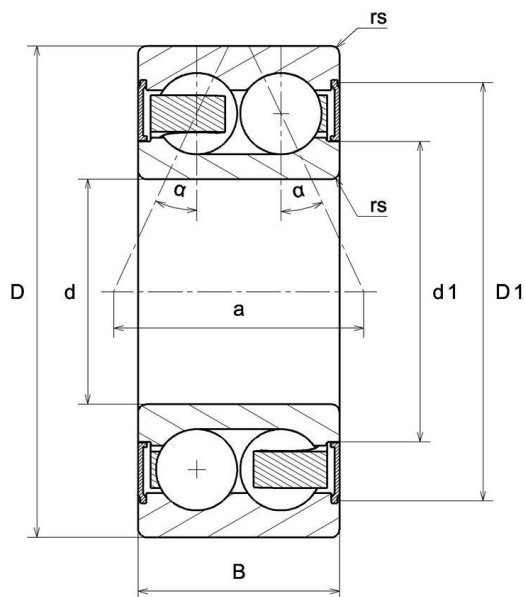
Technical data

5209ZZG15

Double row angular contact ball bearings



VISUAL (S)



5209ZZG15

Double row angular contact ball bearings

PRODUCT DEFINITION

Brand	SNR
d - Internal diameter	45 mm
D - External diameter	85 mm
B - Bearing/Inner ring width	30,2 mm
d1 - External diameter inner ring	57,2 mm
D1 - Inner diameter outer ring	75,4 mm
a - Charge load application point	43,2 mm
- Contact angle	25 °
rs - Min fillet radius	1,1 mm
Radial clearance class	CN
Precision class	P0
Mass	0,62 kg

PRODUCT PERFORMANCE

C - Dynamic load	45700000 mN
C0 - Static load	37200000 mN
Cu - Fatigue limit load	2270000 mN
f0 - Coefficient	14.6
N ref - Reference thermal speed	39000 °/s
N lim - Mechanical Limit Speed	36000 °/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)	3.716 Hz
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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

5209ZZG15

Double row angular contact ball bearings

BEARING FREQUENCIES

BPFI - Over rolling frequency on inner (60 rpm)	5.284 Hz
BSF - Over rolling frequency on rolling element (60 rpm)	5.042 Hz
BRF - Rotational frequency - rolling element (60 rpm)	2.521 Hz
FTF - Rotational frequency - cage (60 rpm)	0.413 Hz

ABUTMENT

da min - Min shoulder diameter IR	51,5 mm
da max - Max shoulder diameter IR	57,2 mm
Da max - Max shoulder diameter OR	78,5 mm
ra max - Max shaft & housing fillet radius	1 mm



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