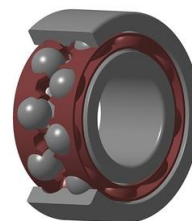


Technical data

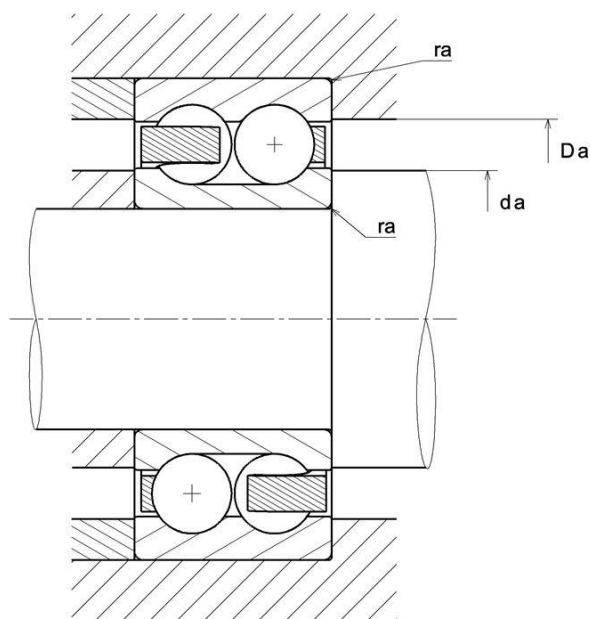
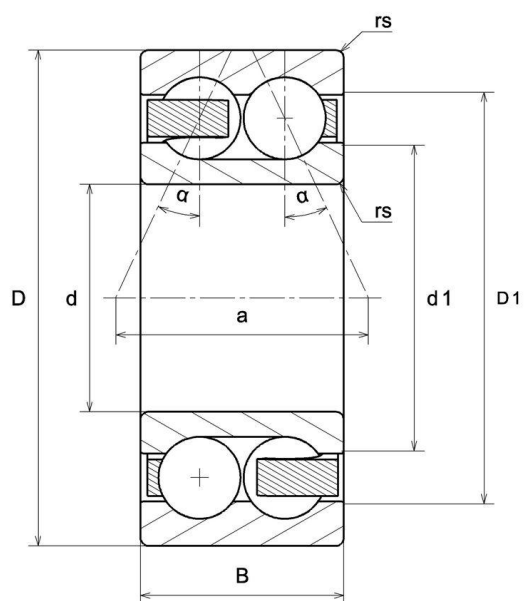
3213A

Double row angular contact ball bearings



Double row angular contact ball bearing, polyamide cage, open

VISUAL (S)



PRODUCT DEFINITION	
Brand	SNR
d - Internal diameter	65 mm
D - External diameter	120 mm
B - Bearing/Inner ring width	38,1 mm
d1 - External diameter inner ring	84,5 mm
D1 - Inner diameter outer ring	103,5 mm
a - Charge load application point	59,8 mm
- Contact angle	25 °
rs - Min fillet radius	1,5 mm
Radial clearance class	CN
Precision class	P0
Mass	1,52 kg

PRODUCT PERFORMANCE	
C - Dynamic load	75100000 mN
C0 - Static load	72700000 mN
Cu - Fatigue limit load	4350000 mN
f0 - Coefficient	15.2
N ref - Reference thermal speed	28800 °/s
N lim - Mechanical Limit Speed	31200 °/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)	4.678 Hz



NTN Europe

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 SIRET 325 821 072 00015 · Code APE 2815 Z · Code NACE 28.15

3213A

Double row angular contact ball bearings

BEARING FREQUENCIES

BPFI - Over rolling frequency on inner (60 rpm)	6.322 Hz
BSF - Over rolling frequency on rolling element (60 rpm)	5.929 Hz
BRF - Rotational frequency - rolling element (60 rpm)	2.965 Hz
FTF - Rotational frequency - cage (60 rpm)	0.425 Hz

ABUTMENT

da min - Min shoulder diameter IR	73 mm
Da max - Max shoulder diameter OR	112 mm
ra max - Max shaft & housing fillet radius	1,5 mm



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