

Technical data

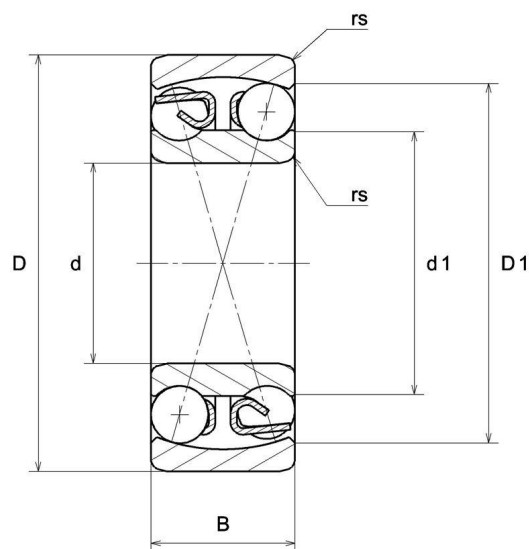
1211.C3

Double-row self-aligning ball bearings



Self-aligning ball bearing, pressed steel cage, open

VISUAL (S)



PRODUCT DEFINITION

Brand	SNR
d - Internal diameter	55 mm
D - External diameter	100 mm
B - Bearing/Inner ring width	21 mm
d1 - External diameter inner ring	70,3 mm
D1 - Inner diameter outer ring	86,1 mm
rs - Min fillet radius	1,5 mm
Radial clearance class	C3
Precision class	P0
Mass	0,697 kg

PRODUCT PERFORMANCE

C - Dynamic load	26500000 mN
C0 - Static load	10000000 mN
Cu - Fatigue limit load	450000 mN
e - Coefficient	0.2
Y0 - Static axial load coefficient	3.38
Y1 - Lower axial load coefficient	3.23
Y2 - Upper axial load coefficient	5
N ref - Reference thermal speed	41400 °/s
N lim - Mechanical Limit Speed	52800 °/s
Tmin - Min operating temperature	233,15 °K
Tmax - Max operating temperature	393,15 °K



BEARING FREQUENCIES

BPFO - Over rolling frequency on outer ring (60 rpm)	8.248 Hz
BPFI - Over rolling frequency on inner (60 rpm)	10.752 Hz
BSF - Over rolling frequency on rolling element (60 rpm)	7.393 Hz
BRF - Rotational frequency - rolling element (60 rpm)	3.697 Hz
FTF - Rotational frequency - cage (60 rpm)	0.434 Hz

ABUTMENT

da min - Min shoulder diameter IR	63 mm
Da max - Max shoulder diameter OR	92 mm
ra max - Max shaft & housing fillet radius	1,5 mm

