

Technical data

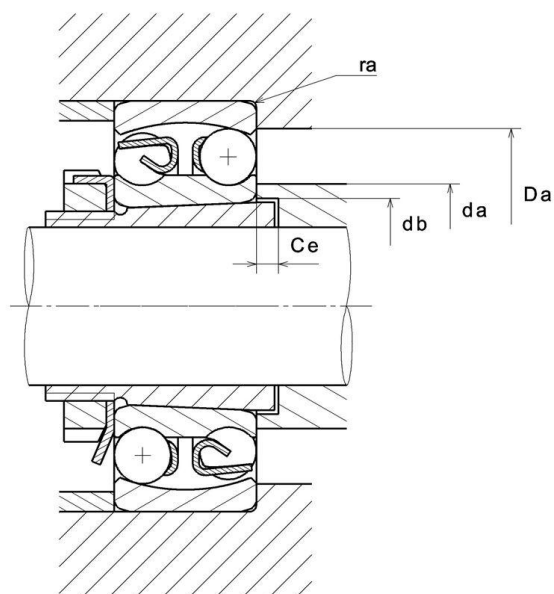
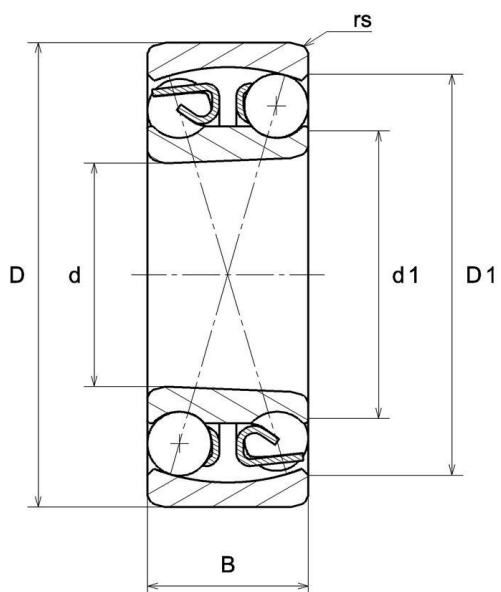
1210.KC3

Double-row self-aligning ball bearings



Self-aligning ball bearing, pressed steel cage, tapered bore, open

VISUAL (S)



PRODUCT DEFINITION

Brand	SNR
d - Internal diameter	50 mm
D - External diameter	90 mm
B - Bearing/Inner ring width	20 mm
d1 - External diameter inner ring	62,7 mm
D1 - Inner diameter outer ring	77 mm
rs - Min fillet radius	1,1 mm
Associated sleeve reference	H210
Radial clearance class	C3
Precision class	P0
Mass	0,517 kg

PRODUCT PERFORMANCE

C - Dynamic load	22500000 mN
C0 - Static load	8100000 mN
Cu - Fatigue limit load	370000 mN
e - Coefficient	0.2
Y0 - Static axial load coefficient	3.29
Y1 - Lower axial load coefficient	3.14
Y2 - Upper axial load coefficient	4.85
N ref - Reference thermal speed	45600 °/s
N lim - Mechanical Limit Speed	58800 °/s
Tmin - Min operating temperature	233,15 °K
Tmax - Max operating temperature	393,15 °K



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BEARING FREQUENCIES

BPFO - Over rolling frequency on outer ring (60 rpm)	7.775 Hz
BPFI - Over rolling frequency on inner (60 rpm)	10.225 Hz
BSF - Over rolling frequency on rolling element (60 rpm)	7.149 Hz
BRF - Rotational frequency - rolling element (60 rpm)	3.575 Hz
FTF - Rotational frequency - cage (60 rpm)	0.432 Hz

ABUTMENT

da min - Min shoulder diameter IR	56,5 mm
da max - Max shoulder diameter IR	62 mm
db - Min diameter for Sleeve	53 mm
Ce - Min length fro Sleeve	5 mm
Da max - Max shoulder diameter OR	83,5 mm
ra max - Max shaft & housing fillet radius	1 mm



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