

Technical data

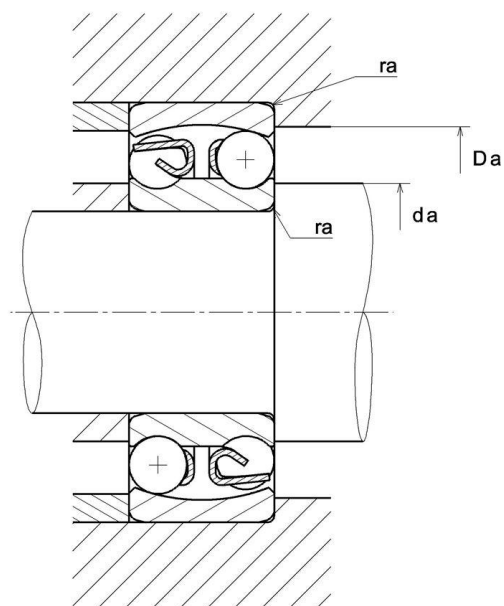
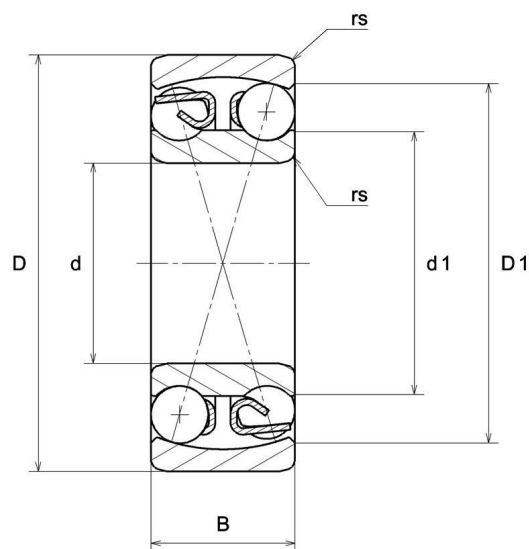
1213

Double-row self-aligning ball bearings



Self-aligning ball bearing, pressed steel cage, open

VISUAL (S)



PRODUCT DEFINITION

Brand	SNR
d - Internal diameter	65 mm
D - External diameter	120 mm
B - Bearing/Inner ring width	23 mm
d1 - External diameter inner ring	85,5 mm
D1 - Inner diameter outer ring	102,7 mm
rs - Min fillet radius	1,5 mm
Radial clearance class	CN
Precision class	P0
Mass	1,133 kg

PRODUCT PERFORMANCE

C - Dynamic load	30700000 mN
C0 - Static load	12500000 mN
Cu - Fatigue limit load	570000 mN
e - Coefficient	0.17
Y0 - Static axial load coefficient	3.88
Y1 - Lower axial load coefficient	3.7
Y2 - Upper axial load coefficient	5.73
N ref - Reference thermal speed	35400 °/s
N lim - Mechanical Limit Speed	43800 °/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)	9.26 Hz
BPFI - Over rolling frequency on inner (60 rpm)	11.74 Hz
BSF - Over rolling frequency on rolling element (60 rpm)	8.296 Hz
BRF - Rotational frequency - rolling element (60 rpm)	4.148 Hz
FTF - Rotational frequency - cage (60 rpm)	0.441 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

