

Technical data

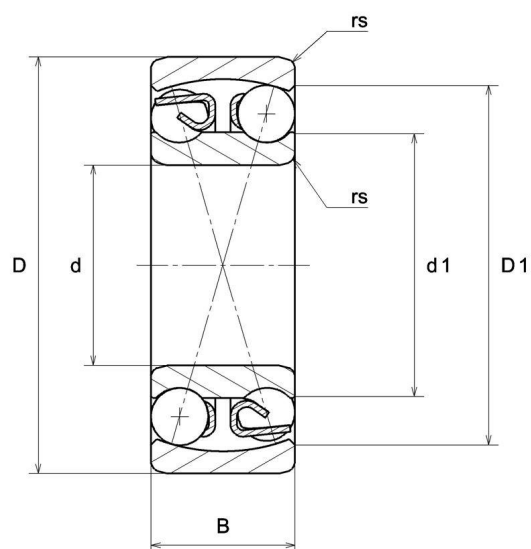
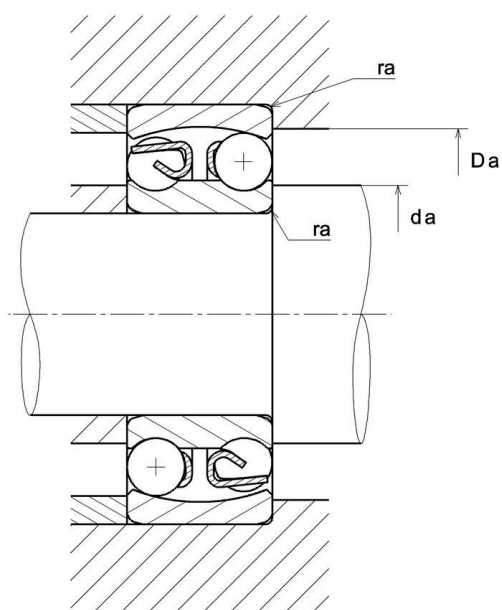
2215

Double-row self-aligning ball bearings



Self-aligning ball bearing, pressed steel cage, open

VISUAL (S)



PRODUCT DEFINITION

Brand	SNR
d - Internal diameter	75 mm
D - External diameter	130 mm
B - Bearing/Inner ring width	31 mm
d1 - External diameter inner ring	93,3 mm
D1 - Inner diameter outer ring	113,8 mm
rs - Min fillet radius	1,5 mm
Radial clearance class	CN
Precision class	P0
Mass	1,6 kg

PRODUCT PERFORMANCE

C - Dynamic load	43800000 mN
C0 - Static load	17800000 mN
Cu - Fatigue limit load	800000 mN
e - Coefficient	0.25
Y0 - Static axial load coefficient	2.62
Y1 - Lower axial load coefficient	2.5
Y2 - Upper axial load coefficient	3.87
N ref - Reference thermal speed	33600 °/s
N lim - Mechanical Limit Speed	37800 °/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)	8.709 Hz
BPFI - Over rolling frequency on inner (60 rpm)	11.291 Hz
BSF - Over rolling frequency on rolling element (60 rpm)	7.509 Hz
BRF - Rotational frequency - rolling element (60 rpm)	3.755 Hz
FTF - Rotational frequency - cage (60 rpm)	0.435 Hz

ABUTMENT

da min - Min shoulder diameter IR	83 mm
Da max - Max shoulder diameter OR	122 mm
ra max - Max shaft & housing fillet radius	1,5 mm

