

Technical data

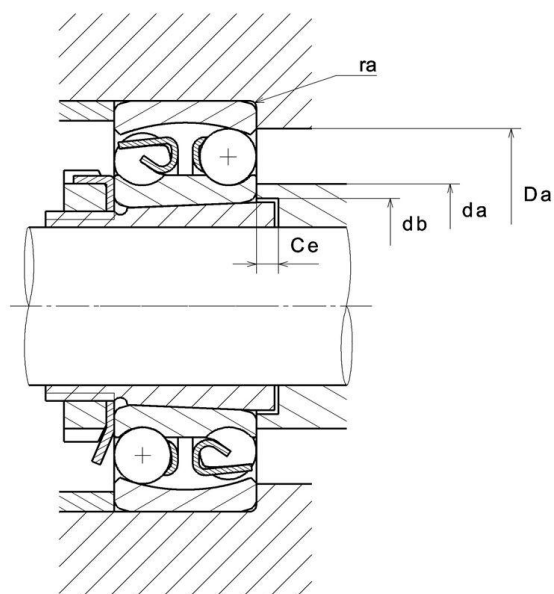
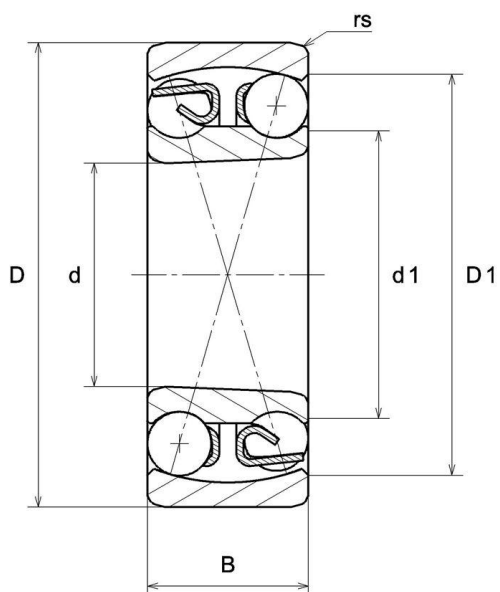
2213.K

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	65 mm
D - External diameter	120 mm
B - Bearing/Inner ring width	31 mm
d1 - External diameter inner ring	82,2 mm
D1 - Inner diameter outer ring	102,4 mm
rs - Min fillet radius	1,5 mm
Associated sleeve reference	H313
Radial clearance class	CN
Precision class	P0
Mass	1,419 kg

PRODUCT PERFORMANCE	
C - Dynamic load	43000000 mN
C0 - Static load	16400000 mN
Cu - Fatigue limit load	750000 mN
e - Coefficient	0.28
Y0 - Static axial load coefficient	2.34
Y1 - Lower axial load coefficient	2.23
Y2 - Upper axial load coefficient	3.45
N ref - Reference thermal speed	38400 °/s
N lim - Mechanical Limit Speed	42600 °/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)	7.701 Hz
BPFI - Over rolling frequency on inner (60 rpm)	10.299 Hz
BSF - Over rolling frequency on rolling element (60 rpm)	6.667 Hz
BRF - Rotational frequency - rolling element (60 rpm)	3.334 Hz
FTF - Rotational frequency - cage (60 rpm)	0.428 Hz

ABUTMENT	
da min - Min shoulder diameter IR	73 mm
da max - Max shoulder diameter IR	79 mm
db - Min diameter for Sleeve	70 mm
Ce - Min length fro Sleeve	8 mm
Da max - Max shoulder diameter OR	112 mm
ra max - Max shaft & housing fillet radius	1,5 mm

