

Technical data

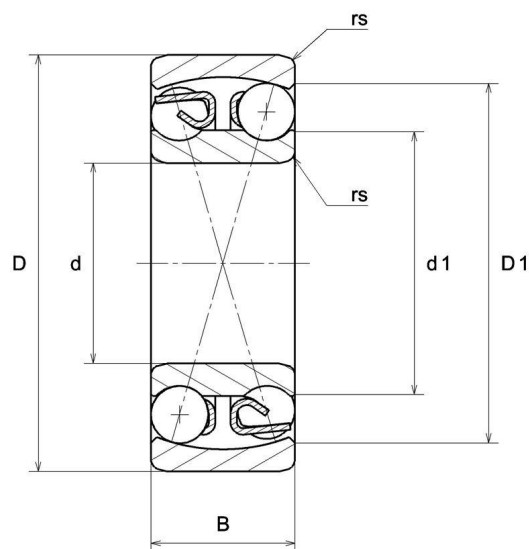
2206.C3

Double-row self-aligning ball bearings



Self-aligning ball bearing, pressed steel cage, open

VISUAL (S)



PRODUCT DEFINITION

Brand	SNR
d - Internal diameter	30 mm
D - External diameter	62 mm
B - Bearing/Inner ring width	20 mm
d1 - External diameter inner ring	40,2 mm
D1 - Inner diameter outer ring	51,1 mm
rs - Min fillet radius	1 mm
Radial clearance class	C3
Precision class	P0
Mass	0,264 kg

PRODUCT PERFORMANCE

C - Dynamic load	15000000 mN
C0 - Static load	4550000 mN
Cu - Fatigue limit load	210000 mN
e - Coefficient	0.4
Y0 - Static axial load coefficient	1.67
Y1 - Lower axial load coefficient	1.59
Y2 - Upper axial load coefficient	2.47
N ref - Reference thermal speed	66000 °/s
N lim - Mechanical Limit Speed	84000 °/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)	5.816 Hz
BPFI - Over rolling frequency on inner (60 rpm)	8.184 Hz
BSF - Over rolling frequency on rolling element (60 rpm)	5.553 Hz
BRF - Rotational frequency - rolling element (60 rpm)	2.777 Hz
FTF - Rotational frequency - cage (60 rpm)	0.415 Hz

ABUTMENT

da min - Min shoulder diameter IR	35 mm
Da max - Max shoulder diameter OR	57 mm
ra max - Max shaft & housing fillet radius	1 mm

