

Technical data

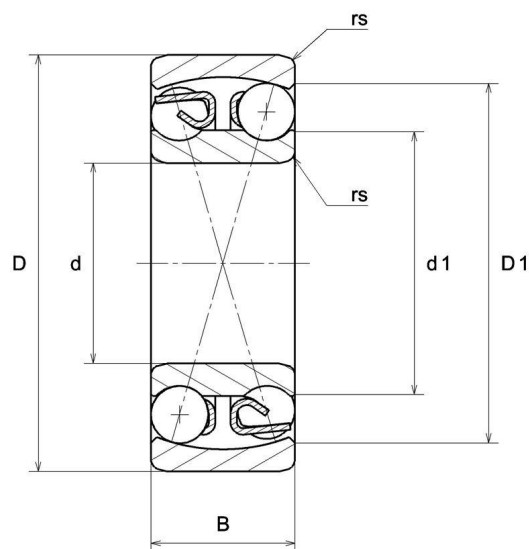
2315.C3

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	160 mm
B - Bearing/Inner ring width	55 mm
d1 - External diameter inner ring	100,7 mm
D1 - Inner diameter outer ring	135,1 mm
rs - Min fillet radius	2,1 mm
Radial clearance class	C3
Precision class	P0
Mass	4,77 kg

PRODUCT PERFORMANCE

C - Dynamic load	120000000 mN
C0 - Static load	42900000 mN
Cu - Fatigue limit load	1800000 mN
e - Coefficient	0.38
Y0 - Static axial load coefficient	1.73
Y1 - Lower axial load coefficient	1.66
Y2 - Upper axial load coefficient	2.56
N ref - Reference thermal speed	33600 °/s
N lim - Mechanical Limit Speed	34200 °/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)	5.181 Hz
BPFI - Over rolling frequency on inner (60 rpm)	7.819 Hz
BSF - Over rolling frequency on rolling element (60 rpm)	4.58 Hz
BRF - Rotational frequency - rolling element (60 rpm)	2.29 Hz
FTF - Rotational frequency - cage (60 rpm)	0.399 Hz

ABUTMENT

da min - Min shoulder diameter IR	86 mm
Da max - Max shoulder diameter OR	149 mm
ra max - Max shaft & housing fillet radius	2 mm

