

Technical data

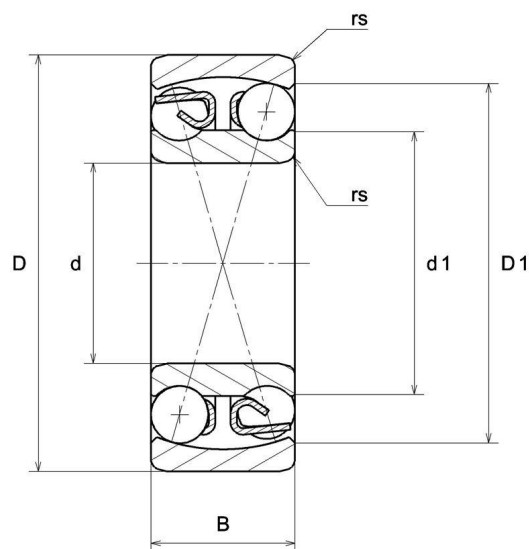
1218

Double-row self-aligning ball bearings



Self-aligning ball bearing, pressed steel cage, open

VISUAL (S)



PRODUCT DEFINITION

Brand	SNR
d - Internal diameter	90 mm
D - External diameter	160 mm
B - Bearing/Inner ring width	30 mm
d1 - External diameter inner ring	112,7 mm
D1 - Inner diameter outer ring	138,2 mm
rs - Min fillet radius	2 mm
Radial clearance class	CN
Precision class	P0
Mass	2,5 kg

PRODUCT PERFORMANCE

C - Dynamic load	56400000 mN
C0 - Static load	23500000 mN
Cu - Fatigue limit load	960000 mN
e - Coefficient	0.17
Y0 - Static axial load coefficient	3.93
Y1 - Lower axial load coefficient	3.76
Y2 - Upper axial load coefficient	5.81
N ref - Reference thermal speed	28800 °/s
N lim - Mechanical Limit Speed	32400 °/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)	8.299 Hz
BPFI - Over rolling frequency on inner (60 rpm)	10.701 Hz
BSF - Over rolling frequency on rolling element (60 rpm)	7.736 Hz
BRF - Rotational frequency - rolling element (60 rpm)	3.868 Hz
FTF - Rotational frequency - cage (60 rpm)	0.437 Hz

ABUTMENT

da min - Min shoulder diameter IR	99 mm
Da max - Max shoulder diameter OR	151 mm
ra max - Max shaft & housing fillet radius	2 mm

