

Technical data

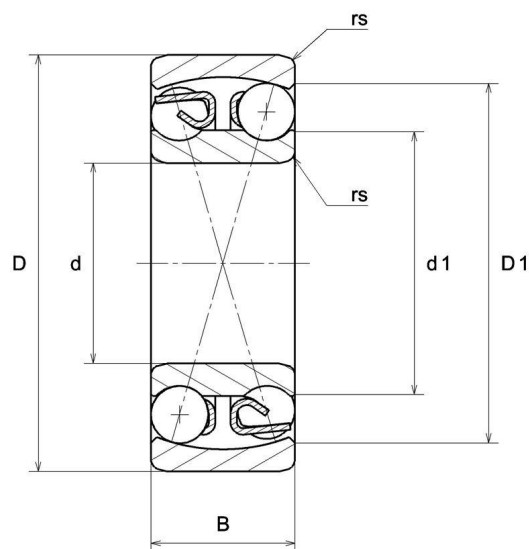
2216

Double-row self-aligning ball bearings



Self-aligning ball bearing, pressed steel cage, open

VISUAL (S)



PRODUCT DEFINITION

Brand	SNR
d - Internal diameter	80 mm
D - External diameter	140 mm
B - Bearing/Inner ring width	33 mm
d1 - External diameter inner ring	99 mm
D1 - Inner diameter outer ring	120,8 mm
rs - Min fillet radius	2 mm
Radial clearance class	CN
Precision class	P0
Mass	2,1 kg

PRODUCT PERFORMANCE

C - Dynamic load	48500000 mN
C0 - Static load	19900000 mN
Cu - Fatigue limit load	860000 mN
e - Coefficient	0.25
Y0 - Static axial load coefficient	2.61
Y1 - Lower axial load coefficient	2.49
Y2 - Upper axial load coefficient	3.86
N ref - Reference thermal speed	32400 °/s
N lim - Mechanical Limit Speed	35400 °/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)	8.712 Hz
BPFI - Over rolling frequency on inner (60 rpm)	11.288 Hz
BSF - Over rolling frequency on rolling element (60 rpm)	7.526 Hz
BRF - Rotational frequency - rolling element (60 rpm)	3.763 Hz
FTF - Rotational frequency - cage (60 rpm)	0.436 Hz

ABUTMENT

da min - Min shoulder diameter IR	89 mm
Da max - Max shoulder diameter OR	131 mm
ra max - Max shaft & housing fillet radius	2 mm

