

Technical data

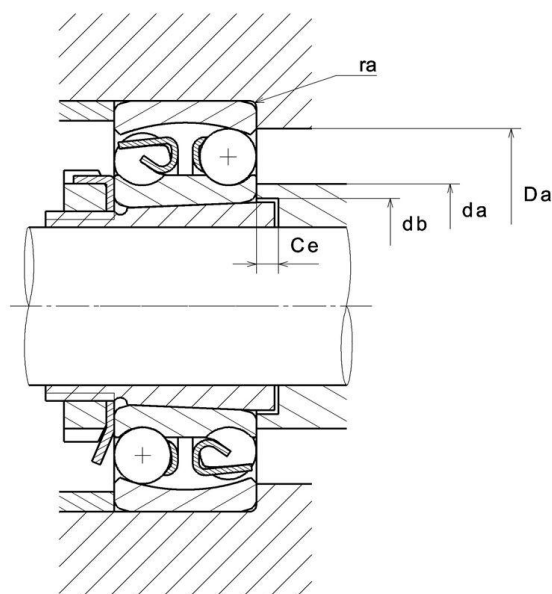
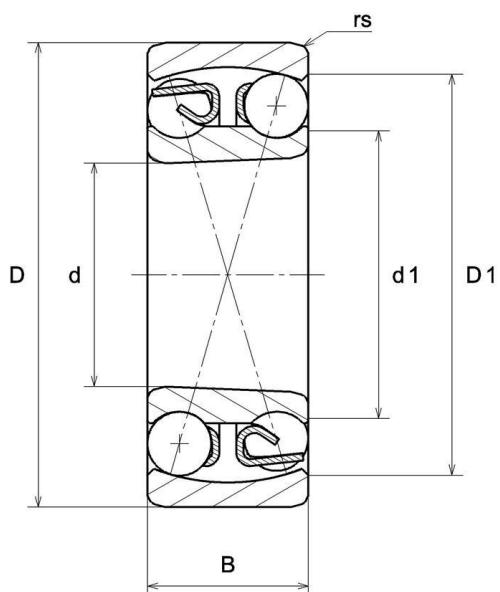
1219.KC3

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	95 mm
D - External diameter	170 mm
B - Bearing/Inner ring width	32 mm
d1 - External diameter inner ring	120,6 mm
D1 - Inner diameter outer ring	147,6 mm
rs - Min fillet radius	2,1 mm
Associated sleeve reference	H219
Radial clearance class	C3
Precision class	P0
Mass	3,2 kg

PRODUCT PERFORMANCE

C - Dynamic load	63100000 mN
C0 - Static load	27100000 mN
Cu - Fatigue limit load	10700000 mN
e - Coefficient	0.17
Y0 - Static axial load coefficient	3.85
Y1 - Lower axial load coefficient	3.68
Y2 - Upper axial load coefficient	5.69
N ref - Reference thermal speed	28200 °/s
N lim - Mechanical Limit Speed	30600 °/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)	8.76 Hz
BPFI - Over rolling frequency on inner (60 rpm)	11.24 Hz
BSF - Over rolling frequency on rolling element (60 rpm)	7.886 Hz
BRF - Rotational frequency - rolling element (60 rpm)	3.943 Hz
FTF - Rotational frequency - cage (60 rpm)	0.438 Hz

ABUTMENT

da min - Min shoulder diameter IR	106 mm
da max - Max shoulder diameter IR	117 mm
db - Min diameter for Sleeve	100 mm
Ce - Min length fro Sleeve	7 mm
Da max - Max shoulder diameter OR	159 mm
ra max - Max shaft & housing fillet radius	2 mm

