



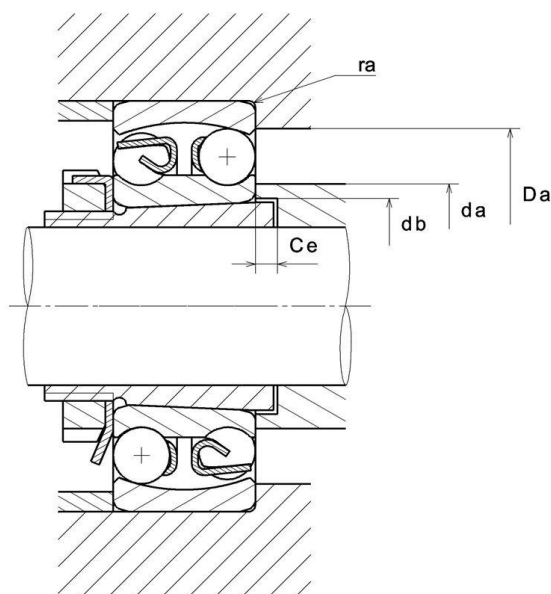
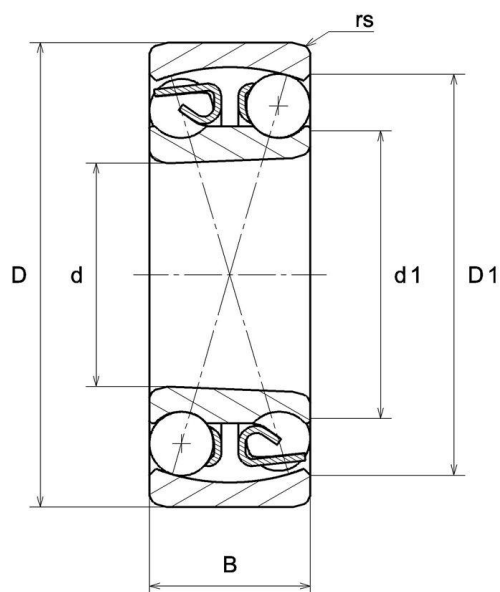
Technical data

1218KC3

Double-row self-aligning ball bearings

Self-aligning ball bearing, pressed steel cage, tapered bore, open

VISUAL (S)



1218KC3

Double-row self-aligning ball bearings

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
Associated sleeve reference	H218
Radial clearance class	C3
Precision class	P0
Mass	2,5 kg

PRODUCT PERFORMANCE

C - Dynamic load	56,4 kN
C0 - Static load	23,5 kN
Cu - Fatigue limit load	0,96 kN
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
Nref - Reference thermal speed	4800 tr/min
Nlim - Mechanical Limit Speed	5400 tr/min
Tmin - Min operating temperature	-40 °C
Tmax - Max operating temperature	120 °C

1218KC3

Double-row self-aligning ball bearings

BEARING FREQUENCIES

BPFO - Characteristic outer ring frequency (60 rpm)	8.299 Hz
BPFI - Characteristic inner ring frequency (60 rpm)	10.701 Hz
FTF - Characteristic cage frequency (60 rpm)	0.437 Hz
BSF - Characteristic rolling element frequency (60 rpm)	7.736 Hz

ABUTMENT

da min - Min shoulder diameter IR	99 mm
da max - Max shoulder diameter IR	110 mm
db - Min diameter for Sleeve	95 mm
Ce - Min length fro Sleeve	6 mm
Da max - Max shoulder diameter OR	151 mm
ra max - Max shaft & housing fillet radius	2 mm