Technical data

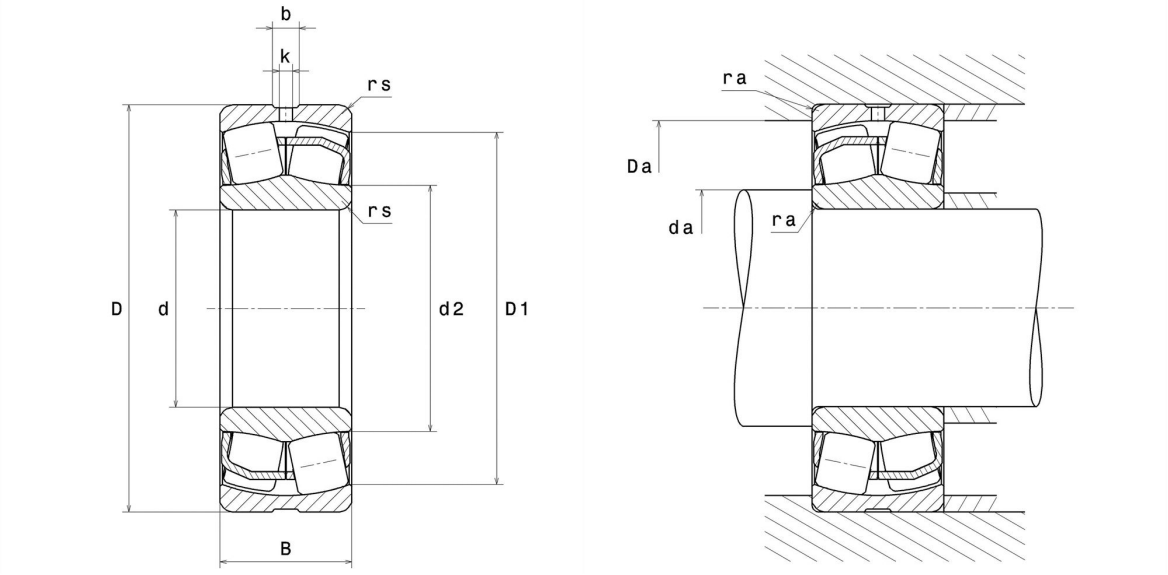
22322.EAW33C3

Double row spherical roller bearings

Spherical roller bearing, pressed steel cage, groove and lubrication holes on outer ring

ULTAGE

Visual(s)



Product definition

d	110 mm
D	240 mm
B	80 mm
d2	138.9 mm
D1	208.1 mm
rs min	3 mm
Number of lubrication holes	3
b	15.6 mm
k	7 mm
Associated sleeve reference	P0
e	0.32
Y1	2.09
Y2	3.11
Y0	2.04
Radial clearance class	C3
Mass	16.87 kg
Brand	SNR

Product performance

Dynamic load, C	975 kN
Static load, C0	972 kN
Fatigue limit load, Cu	84.5 kN
Nref	2,300 Tr/min
Nlim	2,800 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	200 °C
Characteristic cage frequency, FTF	0.4 Hz
Characteristic rolling element frequency, BSF	4.7 Hz
Characteristic outer ring frequency, BPF0	5.6 Hz
Characteristic inner ring frequency, BPFI	8.4 Hz

Abutment dimensions

da min	124 mm
da max	2.5 mm
Da max	226 mm
ra max	2.5 mm

Calculation factors

Equivalent dynamic radial load

$P = X.Fr + Y.Fa$

$Fa/Fr \leq e$		$Fa/Fr > e$	
X	Y	X	Y
1	Y1	0.67	Y2

Equivalent static radial load

$Po = Xo.Fr + Yo.Fa$

X_0	Y_0
1	Y0

The values for e, Y1, Y2 and Y0 are shown in the above table .