Technical data

22222.EAW33C4

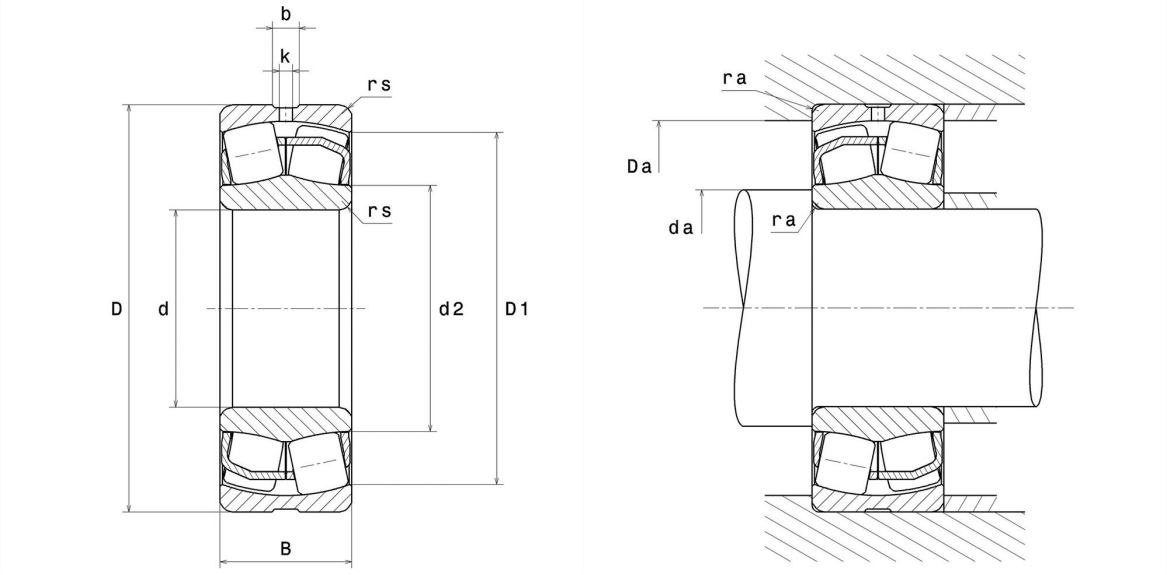
Double row spherical roller bearings

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

ULTAGE



Visual(s)



Product definition

d	110 mm
D	200 mm
B	53 mm
d2	130.1 mm
D1	178.4 mm
rs min	2.1 mm
Number of lubrication holes	3
b	12.2 mm
k	6 mm
Associated sleeve reference	P0
e	0.25
Y1	2.69
Y2	4
Y0	2.63
Radial clearance class	C4
Mass	7.04 kg
Brand	SNR

Product performance

Dynamic load, C	602 kN
Static load, C0	643 kN
Fatigue limit load, Cu	66.3 kN
Nref	3,300 Tr/min
Nlim	4,100 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	200 °C
Characteristic cage frequency, FTF	0.42 Hz
Characteristic rolling element frequency, BSF	6.1 Hz
Characteristic outer ring frequency, BPF0	7.58 Hz
Characteristic inner ring frequency, BPFI	10.42 Hz

Abutment dimensions

da min	122 mm
da max	2 mm
Da max	188 mm
ra max	2 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

$P_0 = X_0.Fr + Y_0.Fa$

X_0	Y_0
1	Y0

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