Technical data

22210.EG15W33C3

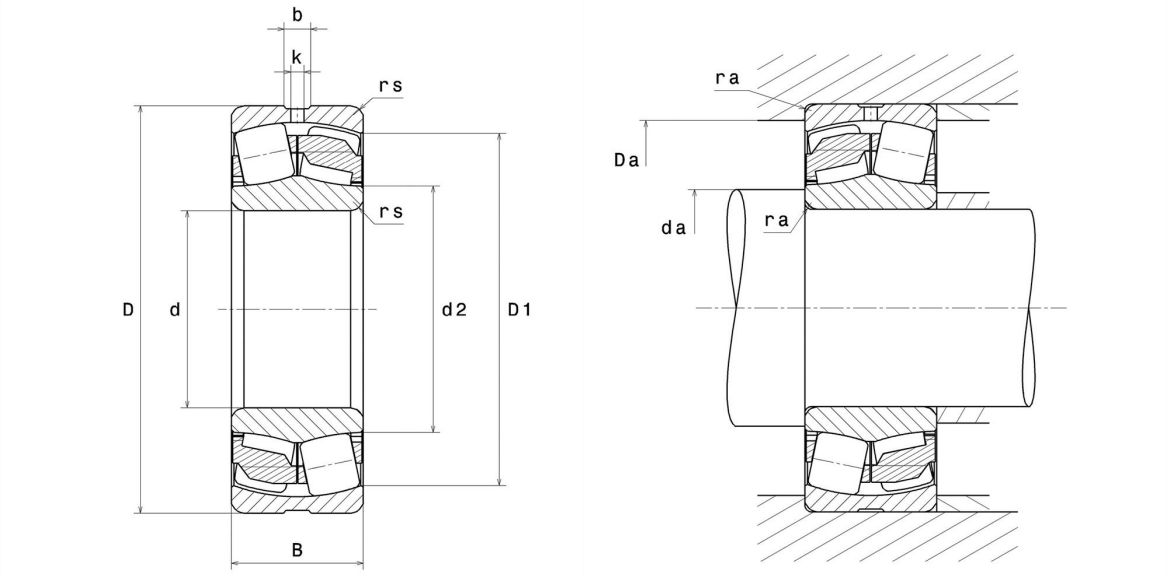
Double row spherical roller bearings



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

ULTAGE

Visual(s)



Product definition

d	50 mm
D	90 mm
B	23 mm
d2	59.5 mm
D1	80.7 mm
rs min	1.1 mm
Number of lubrication holes	3
b	5.8 mm
k	2.5 mm
Associated sleeve reference	P0
e	0.24
Y1	2.84
Y2	4.23
Y0	2.78
Radial clearance class	C3
Mass	0.58 kg
Brand	SNR

Product performance

Dynamic load, C	130 kN
Static load, C0	124 kN
Fatigue limit load, Cu	14.5 kN
Nref	6,700 Tr/min
Nlim	9,100 Tr/min
Min operating temperature, Tmin	-20 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.42 Hz
Characteristic rolling element frequency, BSF	6.34 Hz
Characteristic outer ring frequency, BPF0	7.63 Hz
Characteristic inner ring frequency, BPFI	10.37 Hz

Abutment dimensions

da min	57 mm
da max	1 mm
Da max	83 mm
ra max	1 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 .