Technical data

22328.EMW33C3

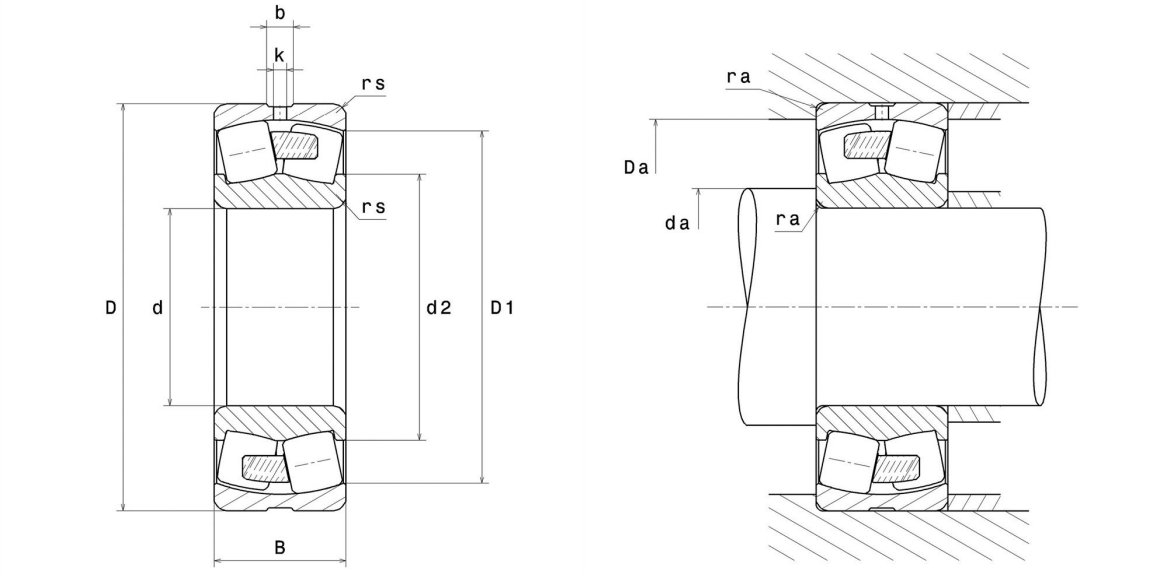
Double row spherical roller bearings



Spherical roller bearing, one-piece machined cage, groove and lubrication holes on outer ring

ULTAGE

Visual(s)



Product definition

d	140 mm
D	300 mm
B	102 mm
d2	181.7 mm
D1	260.3 mm
rs min	4 mm
Number of lubrication holes	3
b	18.9 mm
k	9 mm
Associated sleeve reference	P0
e	0.33
Y1	2.03
Y2	3.02
Y0	1.98
Radial clearance class	C3
Mass	34.9 kg
Brand	SNR

Product performance

Dynamic load, C	1,540 kN
Static load, C0	1,720 kN
Fatigue limit load, Cu	129 kN
Nref	1,600 Tr/min
Nlim	2,200 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	200 °C
Characteristic cage frequency, FTF	0.41 Hz
Characteristic rolling element frequency, BSF	5.3 Hz
Characteristic outer ring frequency, BPF0	6.57 Hz
Characteristic inner ring frequency, BPFI	9.43 Hz

Abutment dimensions

da min	157 mm
da max	3 mm
Da max	283 mm
ra max	3 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 .