Technical data

23034.EMKW33C4

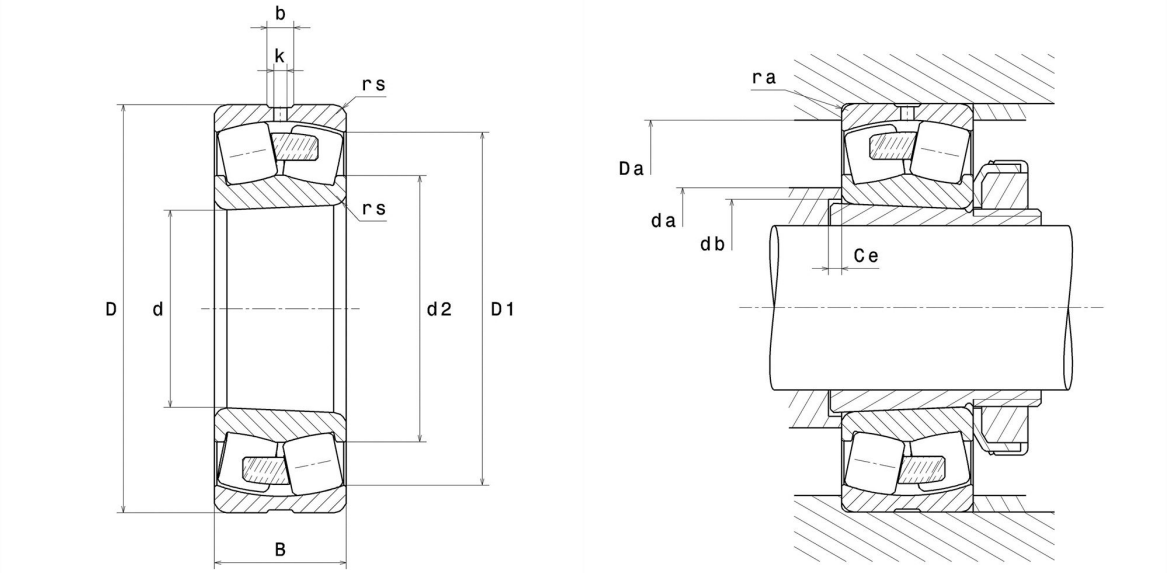
Double row spherical roller bearings



Spherical roller bearing, one-piece machined cage, groove and lubrication holes on outer ring, tapered bore 1:12

ULTAGE

Visual(s)



Product definition

d	170 mm
D	260 mm
B	67 mm
D1	237.4 mm
rs min	2.1 mm
Number of lubrication holes	3
b	11.6 mm
k	5 mm
Associated sleeve reference	H3034
e	0.22
Y1	3.07
Y2	4.58
Y0	3.01
Radial clearance class	C4
Mass	12.8 kg
Brand	SNR

Product performance

Dynamic load, C	914 kN
Static load, C0	1,240 kN
Fatigue limit load, Cu	98.9 kN
Nref	2,200 Tr/min
Nlim	2,700 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	200 °C
Characteristic cage frequency, FTF	0.44 Hz
Characteristic rolling element frequency, BSF	8.82 Hz
Characteristic outer ring frequency, BPF0	11.12 Hz
Characteristic inner ring frequency, BPFI	13.89 Hz

Abutment dimensions

da min	180.2 mm
da max	2 mm
db min	179 mm
Ce min	8 mm
Da max	249.8 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 .