Technical data

23048EMKW33C4

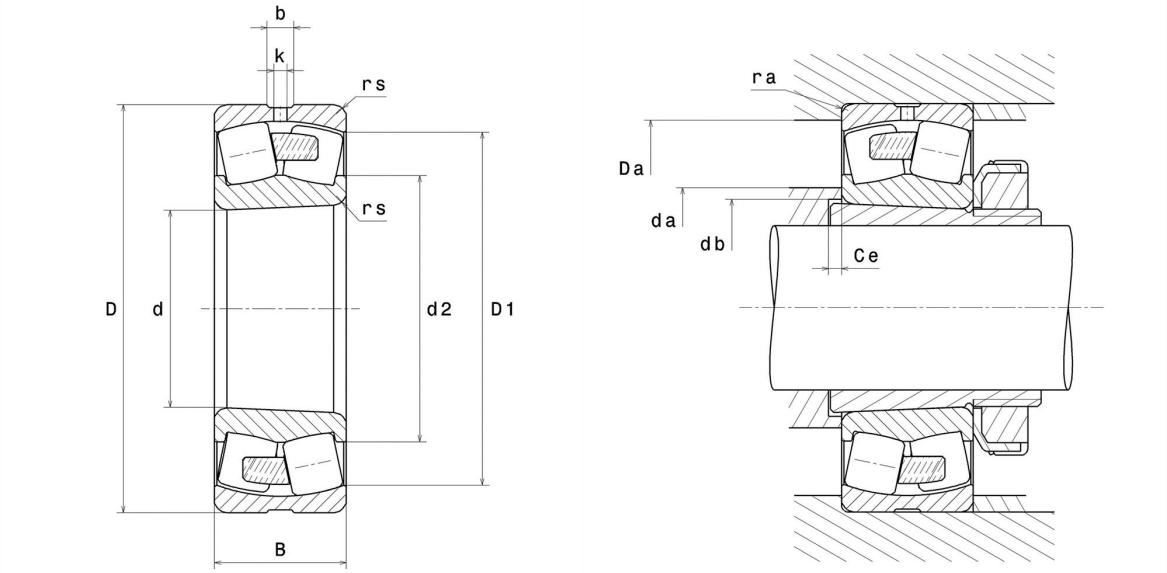
Double row spherical roller bearings



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

ULTAGE

Visual(s)



Product definition

d	240 mm
D	360 mm
B	92 mm
D1	328.9 mm
rs min	3 mm
Number of lubrication holes	3
b	16.4 mm
k	8 mm
Associated sleeve reference	H3048H
e	0.22
Y1	3.07
Y2	4.58
Y0	3.01
Radial clearance class	C4
Mass	31.67 kg
Brand	SNR

Product performance

Dynamic load, C	1,630 kN
Static load, C0	2,350 kN
Fatigue limit load, Cu	173 kN
Nref	1,400 Tr/min
Nlim	2,000 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	200 °C
Characteristic cage frequency, FTF	0.45 Hz
Characteristic rolling element frequency, BSF	9.13 Hz
Characteristic outer ring frequency, BPF0	11.61 Hz
Characteristic inner ring frequency, BPFI	14.39 Hz

Abutment dimensions

da min	252.4 mm
da max	2.5 mm
db min	251 mm
Ce min	11 mm
Da max	347.6 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 .