Technical data

23040.EAKW33C4

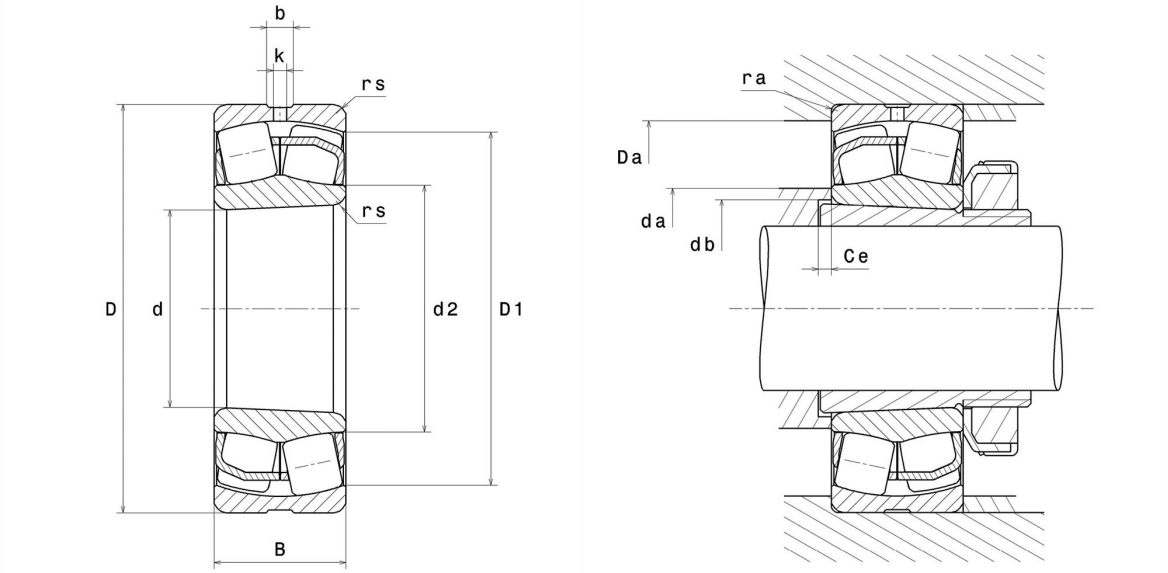
Double row spherical roller bearings



Spherical roller bearing, pressed steel cage, groove and lubrication holes on outer ring, tapered bore 1:12

ULTAGE

Visual(s)



Product definition

d	200 mm
D	310 mm
B	82 mm
d2	227.3 mm
D1	282.3 mm
rs min	2.1 mm
Number of lubrication holes	3
b	14.28 mm
k	7 mm
Associated sleeve reference	H3040
e	0.23
Y1	2.95
Y2	4.4
Y0	2.89
Radial clearance class	C4
Mass	21.9 kg
Brand	SNR

Product performance

Dynamic load, C	1,310 kN
Static load, C0	1,790 kN
Fatigue limit load, Cu	136 kN
Nref	1,800 Tr/min
Nlim	2,300 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	8.37 Hz
Characteristic outer ring frequency, BPF0	10.6 Hz
Characteristic inner ring frequency, BPFI	13.4 Hz

Abutment dimensions

da min	210.2 mm
da max	2 mm
db min	210 mm
Ce min	9 mm
Da max	299.8 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 .