Technical data

23232.EMKW33

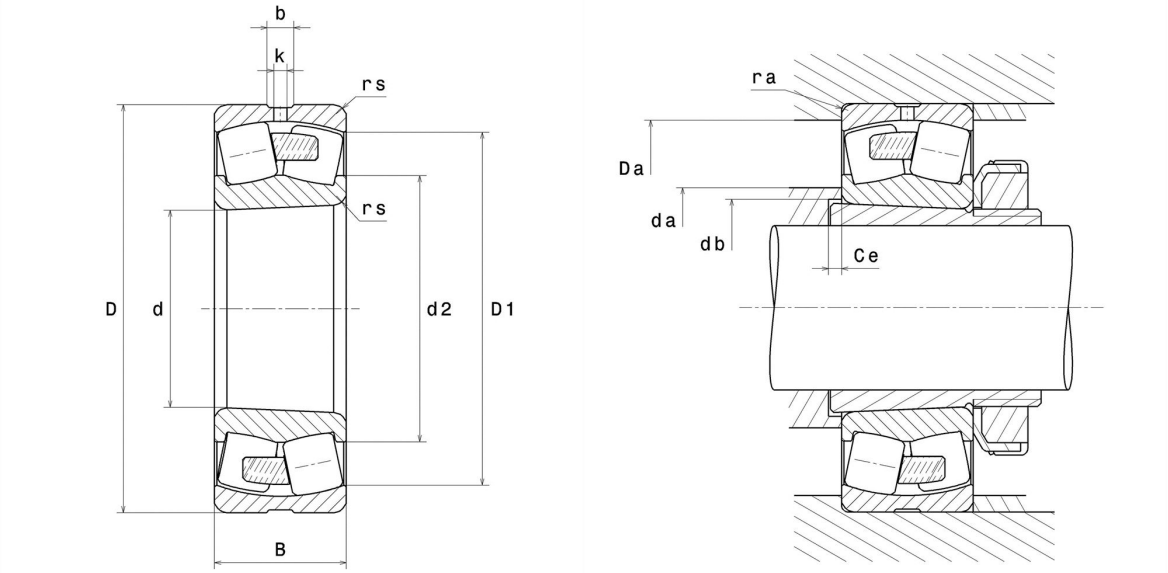
Double row spherical roller bearings



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

ULTAGE

Visual(s)



Product definition

d	160 mm
D	290 mm
B	104 mm
D1	253.7 mm
rs min	3 mm
Number of lubrication holes	3
b	14.9 mm
k	7 mm
Associated sleeve reference	H2332
e	0.33
Y1	2.03
Y2	3.02
Y0	1.98
Radial clearance class	CN
Mass	28.71 kg
Brand	SNR

Product performance

Dynamic load, C	1,550 kN
Static load, C0	1,890 kN
Fatigue limit load, Cu	121 kN
Nref	1,400 Tr/min
Nlim	2,100 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	200 °C
Characteristic cage frequency, FTF	0.42 Hz
Characteristic rolling element frequency, BSF	6.15 Hz
Characteristic outer ring frequency, BPF0	7.61 Hz
Characteristic inner ring frequency, BPFI	10.39 Hz

Abutment dimensions

da min	174 mm
da max	2.5 mm
db min	174 mm
Ce min	18 mm
Da max	276 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 .