Technical data

23222EMKW33C4

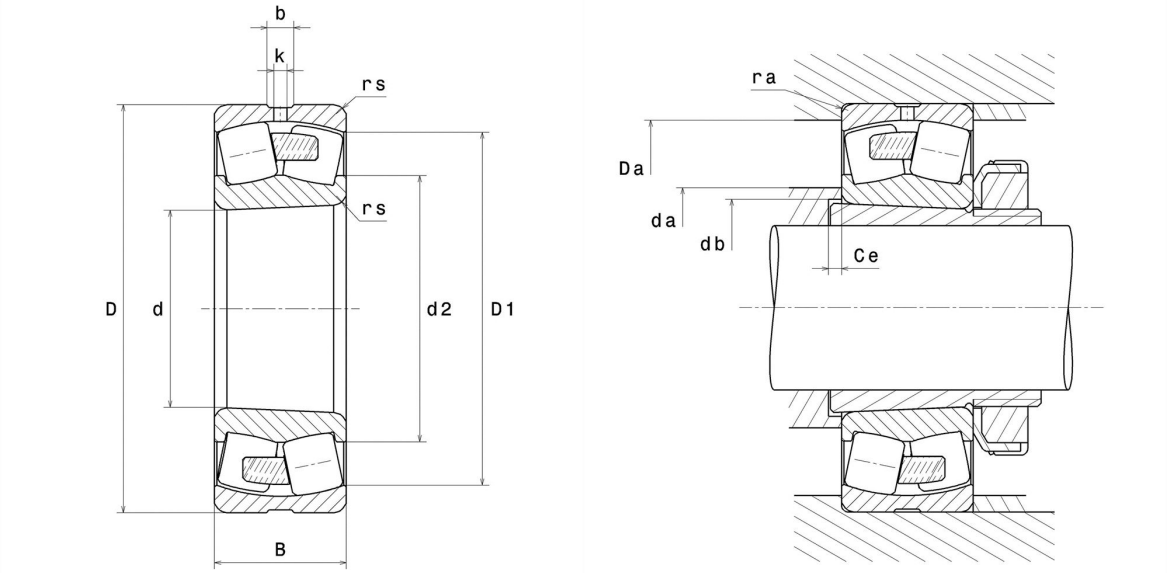
Double row spherical roller bearings



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

ULTAGE

Visual(s)



Product definition

d	110 mm
D	200 mm
B	69.8 mm
d2	130.2 mm
D1	175.8 mm
rs min	2.1 mm
Number of lubrication holes	3
b	10.5 mm
k	5 mm
Associated sleeve reference	H2322
e	0.32
Y1	2.12
Y2	3.15
Y0	2.07
Radial clearance class	C4
Mass	9.13 kg
Brand	SNR

Product performance

Dynamic load, C	752 kN
Static load, C0	869 kN
Fatigue limit load, Cu	63.9 kN
Nref	2,300 Tr/min
Nlim	3,000 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	6.25 Hz
Characteristic outer ring frequency, BPF0	7.62 Hz
Characteristic inner ring frequency, BPFI	10.38 Hz

Abutment dimensions

da min	122 mm
da max	2 mm
db min	121 mm
Ce min	17 mm
Da max	188 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 .