Technical data

22332.EK.F800

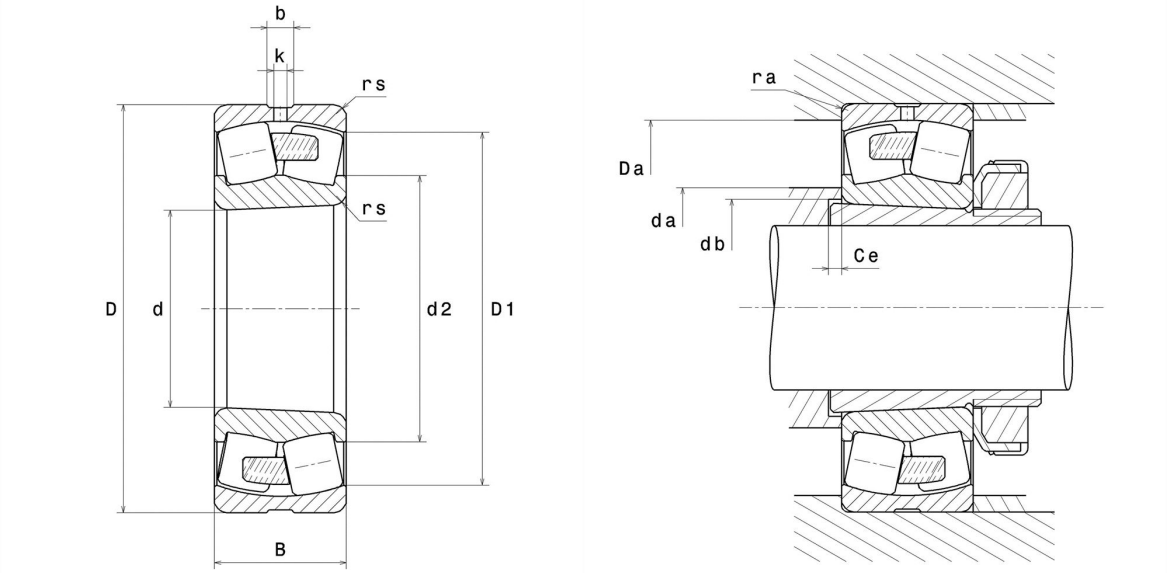
Double row spherical roller bearings



Spherical roller bearing for vibratory applications, one-piece machined cage, groove and lubrication holes on outer ring, tapered bore 1:12, special C4 class clearance

ULTAGE

Visual(s)



Product definition

d	160 mm
D	340 mm
B	114 mm
d2	219 mm
D1	295.2 mm
rs min	4 mm
Number of lubrication holes	3
b	20.3 mm
k	10 mm
Associated sleeve reference	H2332
e	0.33
Y1	2.03
Y2	3.02
Y0	1.98
Radial clearance class	C4 Special
Mass	50 kg
Brand	SNR

Product performance

Dynamic load, C	1,950 kN
Static load, C0	2,210 kN
Fatigue limit load, Cu	158 kN
Nref	1,400 Tr/min
Nlim	1,900 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	200 °C
Characteristic cage frequency, FTF	0.41 Hz
Characteristic rolling element frequency, BSF	5.33 Hz
Characteristic outer ring frequency, BPF0	6.58 Hz
Characteristic inner ring frequency, BPFI	9.42 Hz

Abutment dimensions

da min	177 mm
da max	3 mm
db min	174 mm
Ce min	8 mm
Da max	323 mm
ra max	3 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 .