Technical data

22338EF800

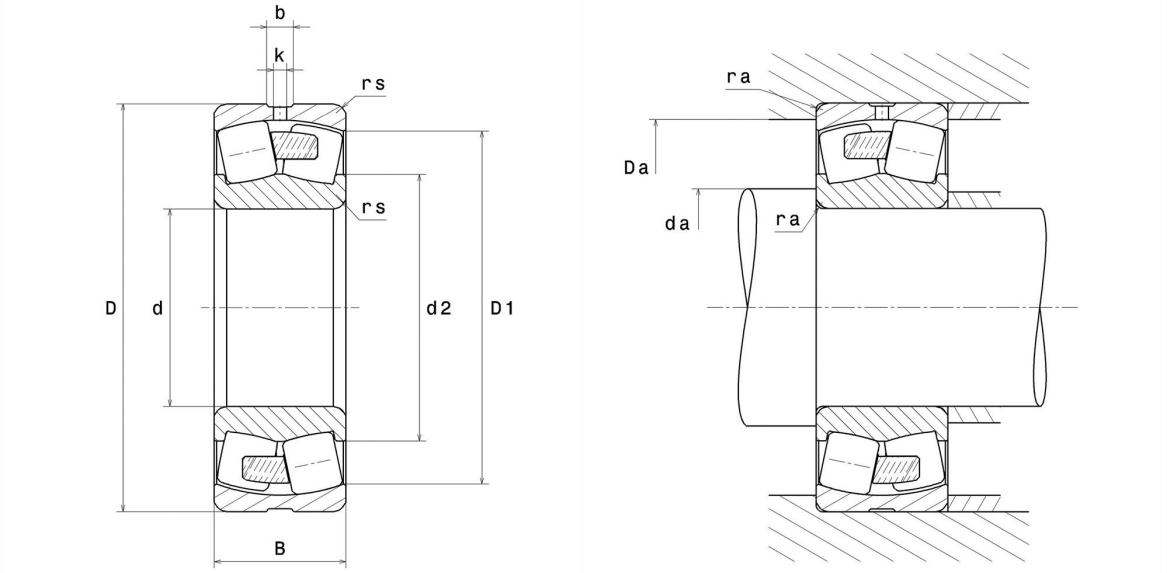
Double row spherical roller bearings



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

ULTAGE

Visual(s)



Product definition

d	190 mm
D	400 mm
B	132 mm
d2	262.2 mm
D1	345.6 mm
rs min	5 mm
Number of lubrication holes	3
b	20.8 mm
k	10 mm
Associated sleeve reference	P0spé
e	0.32
Y1	2.12
Y2	3.15
Y0	2.07
Radial clearance class	C4 Special
Mass	76.2 kg
Brand	SNR

Product performance

Dynamic load, C	2,600 kN
Static load, C0	3,120 kN
Fatigue limit load, Cu	209 kN
Nref	1,100 Tr/min
Nlim	1,600 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	5.62 Hz
Characteristic outer ring frequency, BPF0	7.06 Hz
Characteristic inner ring frequency, BPFI	9.94 Hz

Abutment dimensions

da min	210 mm
da max	4 mm
Da max	380 mm
ra max	4 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 .