Technical data

22332.E.F802

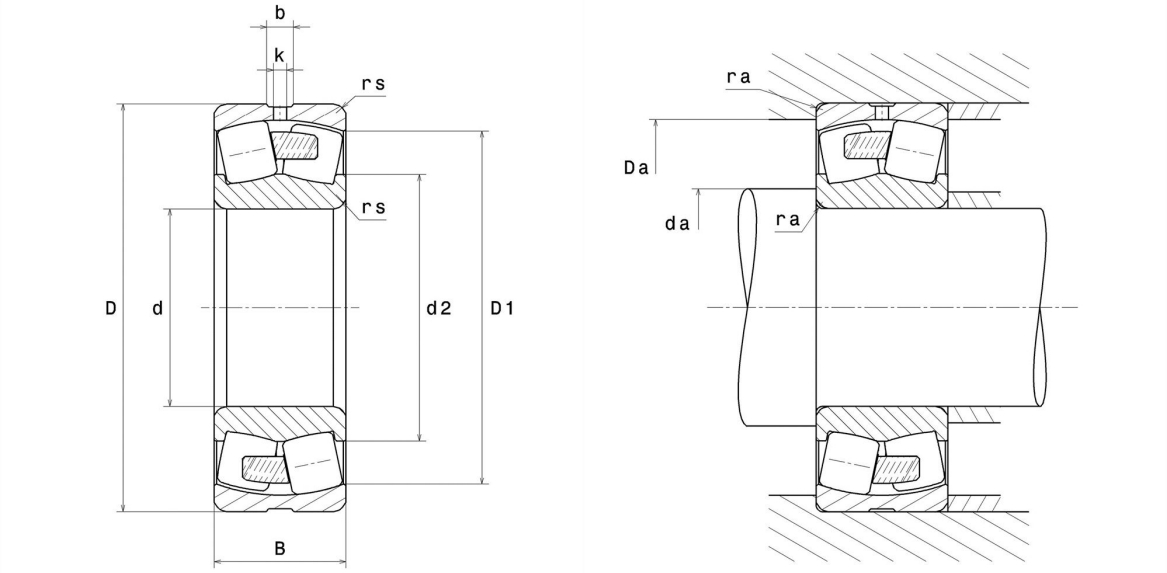
Double row spherical roller bearings



Spherical roller bearing for vibratory applications, one-piece machined cage, groove and lubrication holes on outer ring, special CN 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	P0spé
e	0.33
Y1	2.03
Y2	3.02
Y0	1.98
Radial clearance class	CN Special
Mass	50.7 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
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

$Po = Xo.Fr + Yo.Fa$

X_0	Y_0
1	Y0

The values for e, Y1, Y2 and Y0 are shown in the above table .