Technical data

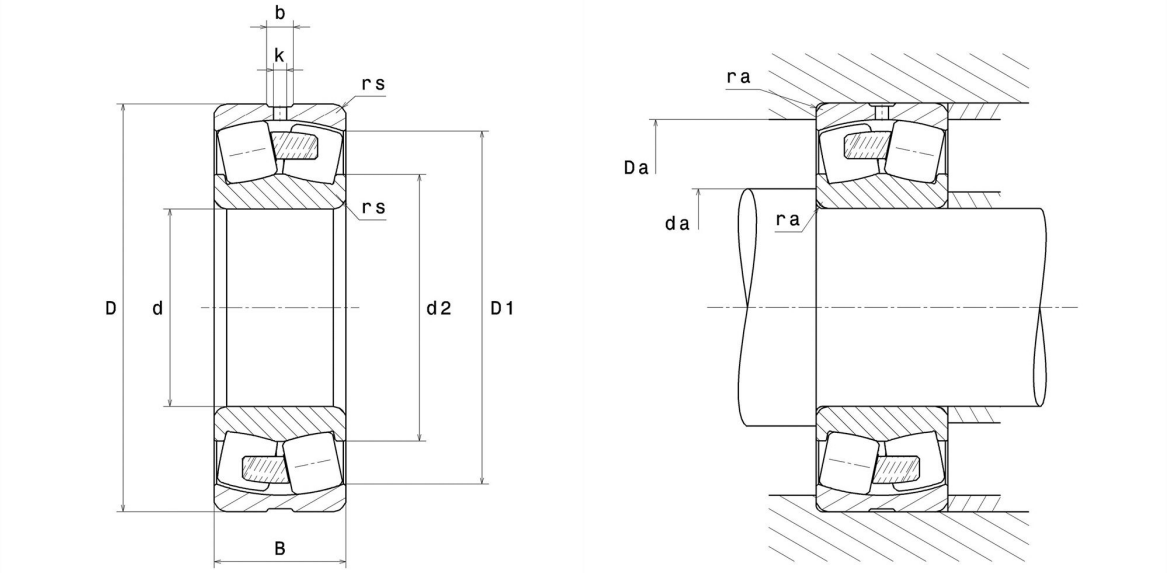
22322.E.F803

Double row spherical roller bearings

Spherical roller bearing for vibratory applications, one-piece machined cage, groove and lubrication holes on outer ring, special C5 class clearance

ULTAGE

Visual(s)



Product definition

d	110 mm
D	240 mm
B	80 mm
d2	138.9 mm
D1	208.1 mm
rs min	3 mm
Number of lubrication holes	3
b	15.6 mm
k	7 mm
Associated sleeve reference	P0spé
e	0.32
Y1	2.09
Y2	3.11
Y0	2.04
Radial clearance class	C5 Special
Mass	17.41 kg
Brand	SNR

Product performance

Dynamic load, C	975 kN
Static load, C0	972 kN
Fatigue limit load, Cu	84.5 kN
Nref	2,300 Tr/min
Nlim	2,800 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	200 °C
Characteristic cage frequency, FTF	0.4 Hz
Characteristic rolling element frequency, BSF	4.7 Hz
Characteristic outer ring frequency, BPF0	5.6 Hz
Characteristic inner ring frequency, BPFI	8.4 Hz

Abutment dimensions

da min	124 mm
da max	2.5 mm
Da max	226 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 .