Technical data

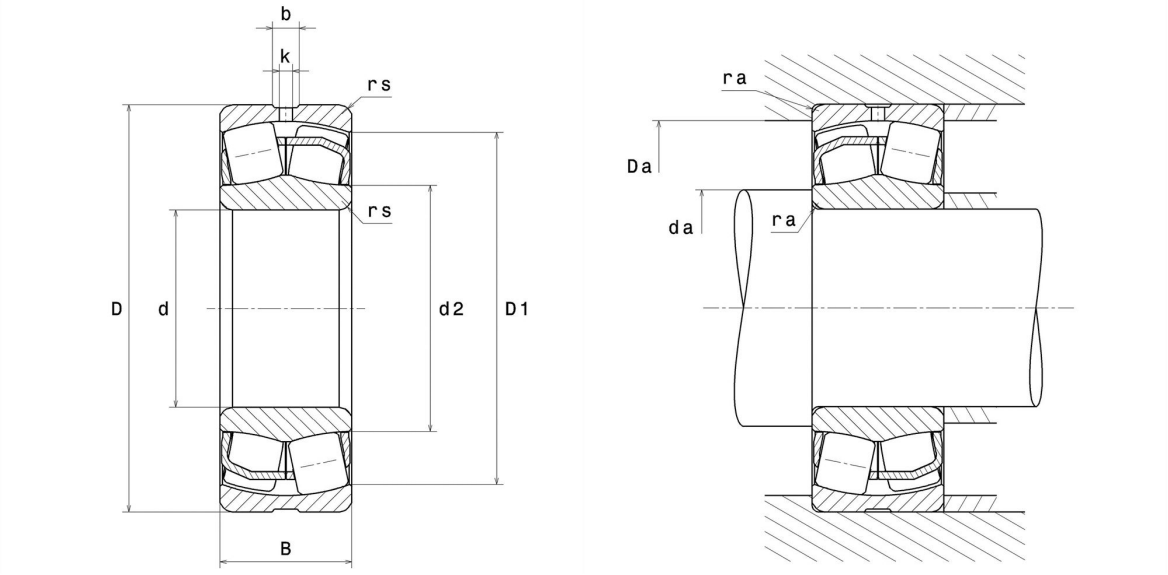
23130EAW33C5

Double row spherical roller bearings

Spherical roller bearing, pressed steel cage, groove and lubrication holes on outer ring

ULTAGE

Visual(s)



Product definition

d	150 mm
D	250 mm
B	80 mm
d2	171.9 mm
D1	222.4 mm
rs min	2.1 mm
Number of lubrication holes	3
b	12.6 mm
k	6 mm
Associated sleeve reference	P0
e	0.29
Y1	2.35
Y2	3.5
Y0	2.3
Radial clearance class	C5
Mass	15.72 kg
Brand	SNR

Product performance

Dynamic load, C	1,060 kN
Static load, C0	1,350 kN
Fatigue limit load, Cu	133 kN
Nref	2,000 Tr/min
Nlim	2,600 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	200 °C
Characteristic cage frequency, FTF	0.43 Hz
Characteristic rolling element frequency, BSF	7.26 Hz
Characteristic outer ring frequency, BPF0	9.1 Hz
Characteristic inner ring frequency, BPFI	11.9 Hz

Abutment dimensions

da min	162 mm
da max	2 mm
Da max	238 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 .