Technical data

10X22213EAEEL

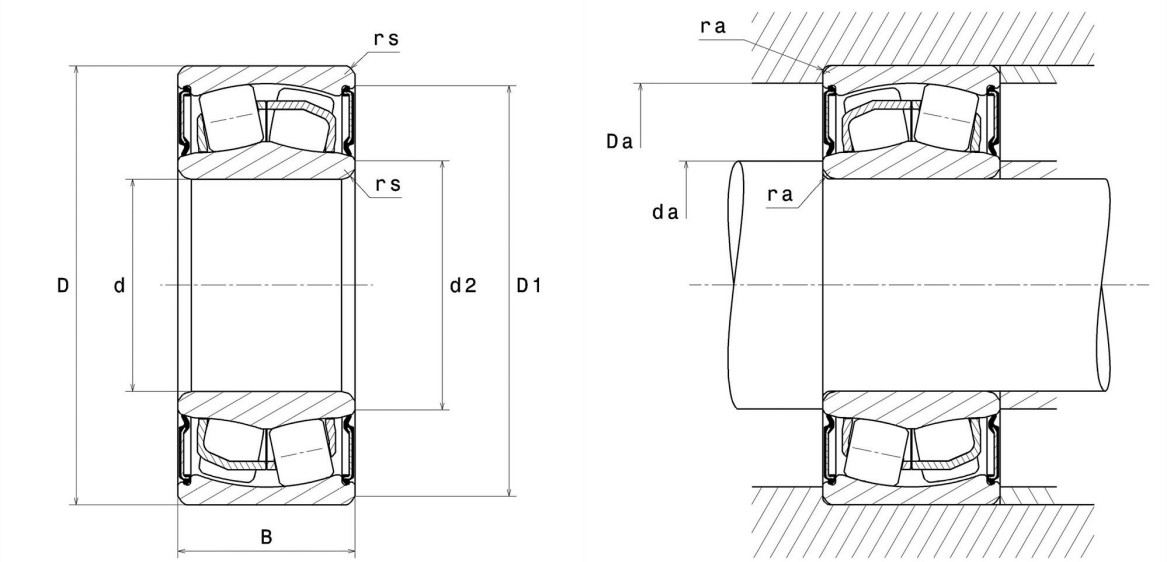
Double row spherical roller bearings



Spherical roller bearing, pressed steel cage, non ISO width, contact seals on both sides

ULTAGE

Visual(s)



Product definition

d	65 mm
D	120 mm
B	38 mm
d2	75.3 mm
D1	116.4 mm
rs min	1.5 mm
Number of lubrication holes	0
b	2 mm
k	0 mm
Associated sleeve reference	P0
e	0.24
Y1	2.79
Y2	4.15
Y0	2.73
Radial clearance class	C0
Mass	1.93 kg
Brand	SNR

Product performance

Dynamic load, C	226 kN
Static load, C0	224 kN
Fatigue limit load, Cu	31.2 kN
Nref	226 Tr/min
Nlim	1,500 Tr/min
Min operating temperature, Tmin	-20 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.42 Hz
Characteristic rolling element frequency, BSF	6.18 Hz
Characteristic outer ring frequency, BPF0	7.6 Hz
Characteristic inner ring frequency, BPFI	10.4 Hz

Abutment dimensions

da min	74 mm
da max	75.3 mm
db min	75.3 mm
Da max	111 mm
ra max	1.5 mm

Calculation factors

Equivalent dynamic radial load

$P = X.Fr + Y.Fa$

Fa / Fr ≤ 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 .