Technical data

10X22216EAEEL

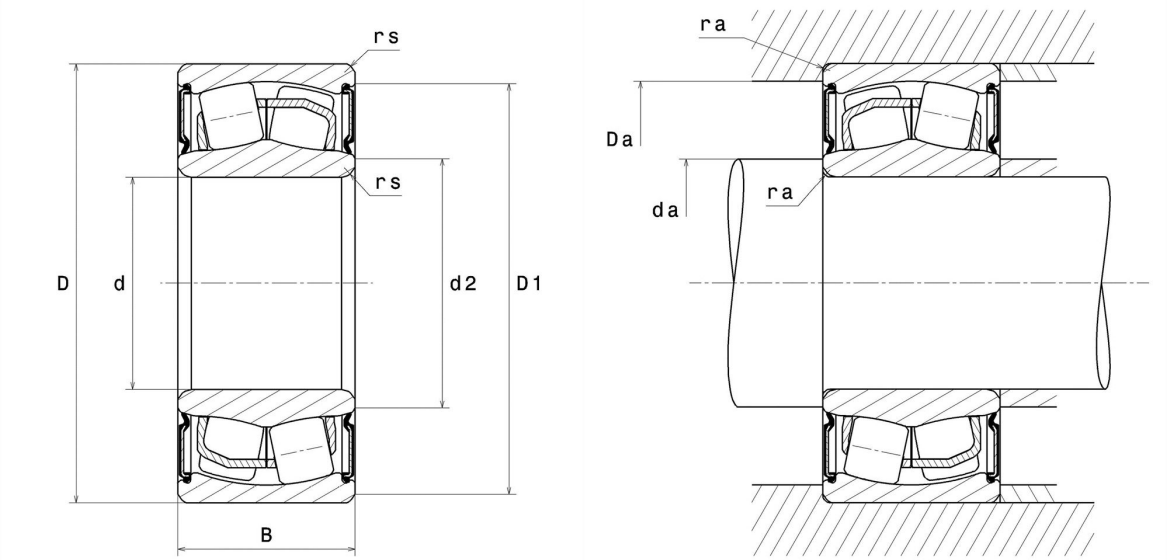
Double row spherical roller bearings



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

ULTAGE

Visual(s)



Product definition

d	80 mm
D	140 mm
B	40 mm
d2	91.3 mm
D1	131.5 mm
rs min	2 mm
Number of lubrication holes	0
b	2 mm
k	0 mm
Associated sleeve reference	P0
e	0.22
Y1	3.14
Y2	4.67
Y0	3.07
Radial clearance class	CN
Mass	2.43 kg
Brand	SNR

Product performance

Dynamic load, C	278 kN
Static load, C0	287 kN
Fatigue limit load, Cu	34.5 kN
Nref	278 Tr/min
Nlim	1,200 Tr/min
Min operating temperature, Tmin	-20 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.43 Hz
Characteristic rolling element frequency, BSF	6.68 Hz
Characteristic outer ring frequency, BPF0	8.12 Hz
Characteristic inner ring frequency, BPFI	10.88 Hz

Abutment dimensions

da min	91 mm
da max	91.3 mm
db min	91.3 mm
Da max	129 mm
ra max	2 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 .