Technical data

10X22210EAW33EEL

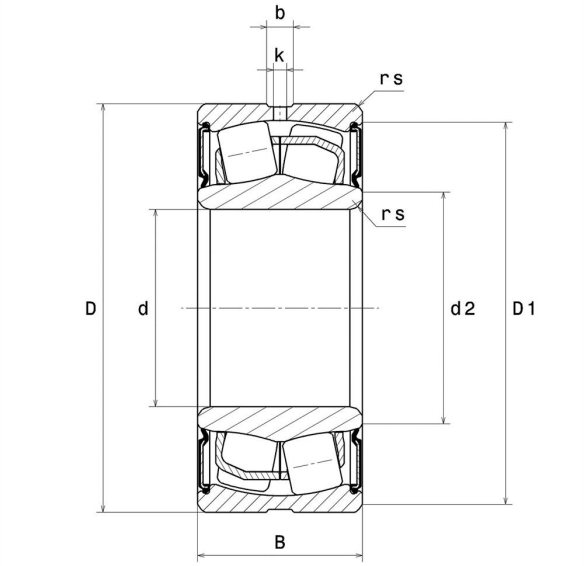
Double row spherical roller bearings

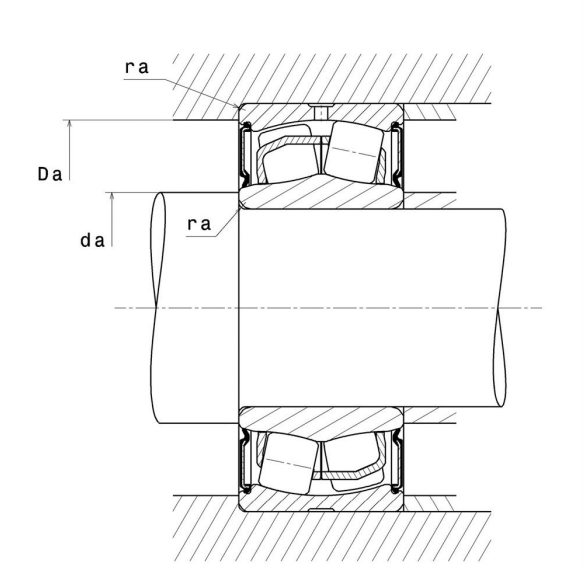


Spherical roller bearing, pressed steel cage, groove and lubrication holes on outer ring, non ISO width, contact seals on both sides

ULTAGE

Visual(s)





Product definition

d	50 mm
D	90 mm
B	28 mm
d2	57.1 mm
D1	82.2 mm
rs min	1.1 mm
Number of lubrication holes	3
b	5.8 mm
k	2.5 mm
Associated sleeve reference	P0
e	0.24
Y1	2.84
Y2	4.23
Y0	2.78
Radial clearance class	CN
Mass	0.7 kg
Brand	SNR

Product performance

Dynamic load, C	130 kN
Static load, C0	124 kN
Fatigue limit load, Cu	14.5 kN
Nref	130 Tr/min
Nlim	1,900 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	6.34 Hz
Characteristic outer ring frequency, BPF0	7.63 Hz
Characteristic inner ring frequency, BPFI	10.37 Hz

Abutment dimensions

da min	57 mm
da max	57.1 mm
db min	57.1 mm
Da max	83 mm
ra max	1 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 .