Technical data

10X22209EAKW33EEC3

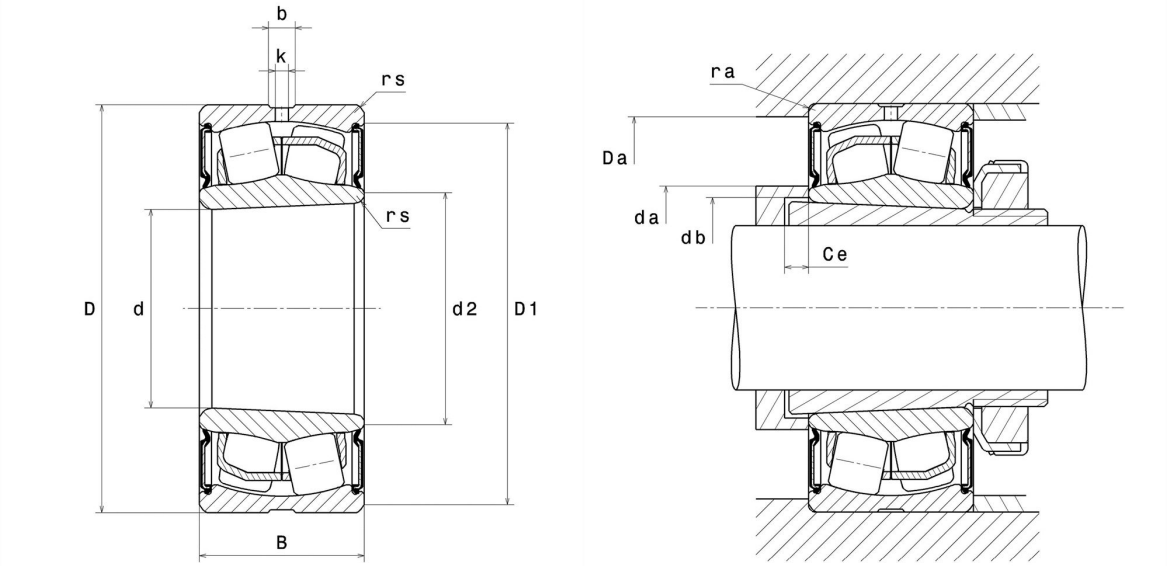
Double row spherical roller bearings



Spherical roller bearing, pressed steel cage, groove and lubrication holes on outer ring, tapered bore 1:12, non ISO width, contact seals on both sides

ULTAGE

Visual(s)



Product definition

d	45 mm
D	85 mm
B	28 mm
d2	52.4 mm
D1	78.7 mm
rs min	1.1 mm
Number of lubrication holes	3
b	5.8 mm
k	2.5 mm
Associated sleeve reference	H309E
e	0.26
Y1	2.64
Y2	3.93
Y0	2.58
Radial clearance class	C3
Mass	0.64 kg
Brand	SNR

Product performance

Dynamic load, C	121 kN
Static load, C0	113 kN
Fatigue limit load, Cu	12.7 kN
Nref	121 Tr/min
Nlim	2,100 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	6.07 Hz
Characteristic outer ring frequency, BPF0	7.16 Hz
Characteristic inner ring frequency, BPFI	9.84 Hz

Abutment dimensions

da min	52 mm
da max	52.4 mm
db min	50 mm
Ce min	2 mm
Da max	78.7 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 .