Technical data

24132EAK30W33

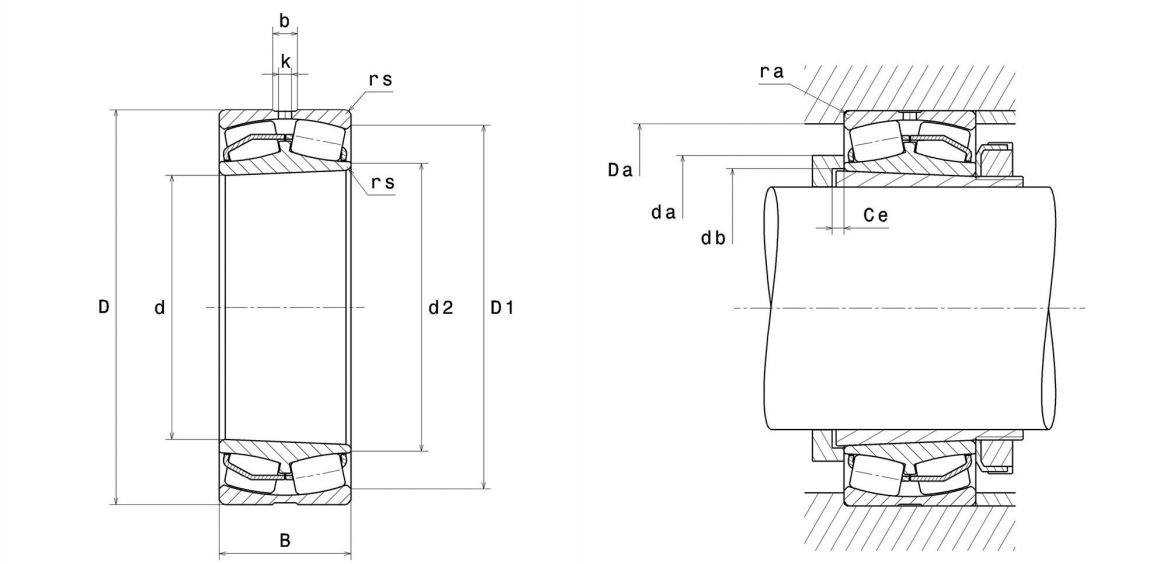
Double row spherical roller bearings



Spherical roller bearing, with central rib on inner ring, pressed steel cage, groove and lubrication holes on outer ring, tapered bore 1:30

ULTAGE

Visual(s)



Product definition

d	160 mm
D	270 mm
B	109 mm
d2	180 mm
D1	234.9 mm
rs min	2.1 mm
Number of lubrication holes	3
b	11.7 mm
k	5 mm
Associated sleeve reference	P0
e	0.38
Y1	1.76
Y2	2.62
Y0	1.72
Radial clearance class	CN
Mass	25 kg
Brand	SNR

Product performance

Dynamic load, C	1,330 kN
Static load, C0	1,740 kN
Fatigue limit load, Cu	105 kN
Nref	1,400 Tr/min
Nlim	1,900 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	7.06 Hz
Characteristic outer ring frequency, BPF0	8.65 Hz
Characteristic inner ring frequency, BPFI	11.35 Hz

Abutment dimensions

da min	172 mm
da max	2 mm
Da max	258 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

$Po = Xo.Fr + Yo.Fa$

X_0	Y_0
1	Y0

The values for e, Y1, Y2 and Y0 are shown in the above table .