Technical data

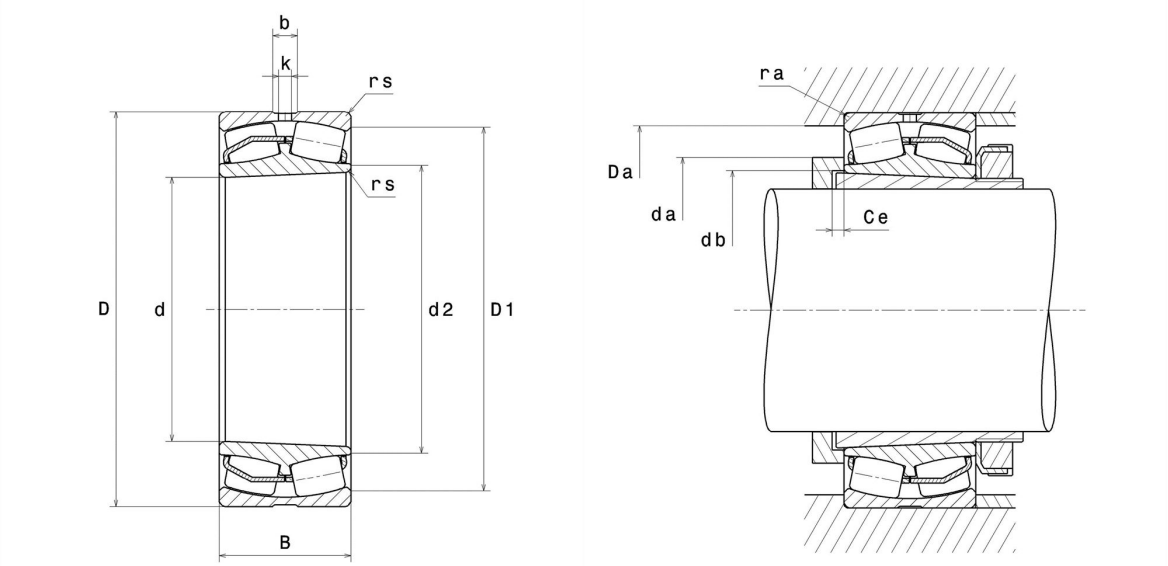
24134EAK30W33

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	170 mm
D	280 mm
B	109 mm
d2	189 mm
D1	243.6 mm
rs min	2.1 mm
Number of lubrication holes	3
b	13.2 mm
k	6 mm
Associated sleeve reference	P0
e	0.37
Y1	1.83
Y2	2.72
Y0	1.79
Radial clearance class	CN
Mass	25.9 kg
Brand	SNR

Product performance

Dynamic load, C	1,370 kN
Static load, C0	1,840 kN
Fatigue limit load, Cu	111 kN
Nref	1,300 Tr/min
Nlim	1,800 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	200 °C
Characteristic cage frequency, FTF	0.44 Hz
Characteristic rolling element frequency, BSF	7.36 Hz
Characteristic outer ring frequency, BPF0	9.14 Hz
Characteristic inner ring frequency, BPFI	11.86 Hz

Abutment dimensions

da min	182 mm
da max	2 mm
Da max	268 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 .