Technical data

24126.EAK30W33C3

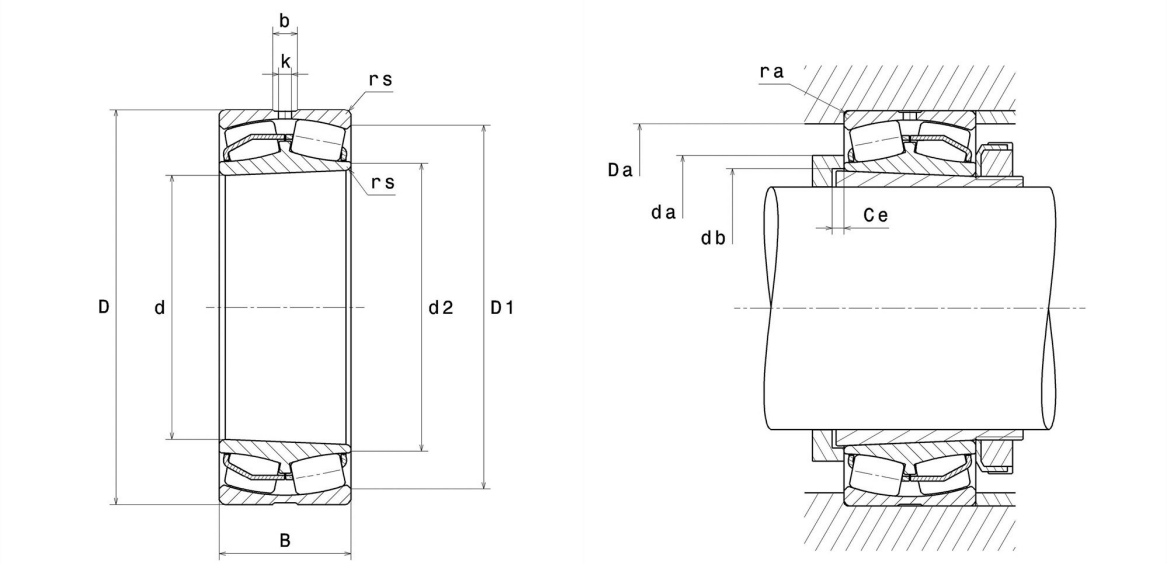
Double row spherical roller bearings



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	130 mm
D	210 mm
B	80 mm
d2	146 mm
D1	183.2 mm
rs min	2 mm
Number of lubrication holes	3
b	10.32 mm
k	4.5 mm
Associated sleeve reference	P0
e	0.34
Y1	1.96
Y2	2.92
Y0	1.92
Radial clearance class	C3
Mass	10.3 kg
Brand	SNR

Product performance

Dynamic load, C	795 kN
Static load, C0	1,070 kN
Fatigue limit load, Cu	66.1 kN
Nref	1,800 Tr/min
Nlim	2,400 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	8.04 Hz
Characteristic outer ring frequency, BPF0	9.68 Hz
Characteristic inner ring frequency, BPFI	12.32 Hz

Abutment dimensions

da min	141 mm
da max	2 mm
Da max	199 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 .