Technical data

24026.EAK30W33C3

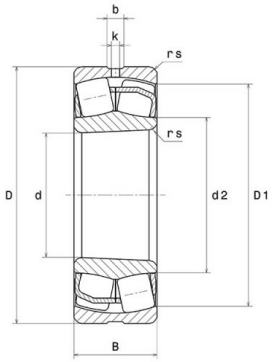
Double row spherical roller bearings

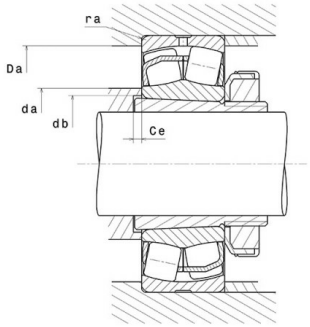


Spherical roller bearing, pressed steel cage, groove and lubrication holes on outer ring, tapered bore 1:30, non ISO width, contact seals on both sides

ULTAGE

Visual(s)





Product definition

d	130 mm
D	200 mm
B	69 mm
d2	143 mm
D1	178.6 mm
rs min	2 mm
Number of lubrication holes	3
b	8.34 mm
k	4 mm
Associated sleeve reference	P0
e	0.31
Y1	2.18
Y2	3.25
Y0	2.13
Radial clearance class	C3
Mass	7.5 kg
Brand	SNR

Product performance

Dynamic load, C	684 kN
Static load, C0	909 kN
Fatigue limit load, Cu	62.5 kN
Nref	2,300 Tr/min
Nlim	3,100 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	8.26 Hz
Characteristic outer ring frequency, BPF0	10.16 Hz
Characteristic inner ring frequency, BPFI	12.84 Hz

Abutment dimensions

da min	138.8 mm
da max	2 mm
Da max	191.2 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

$P_0 = X_0.Fr + Y_0.Fa$

X_0	Y_0
1	Y0

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