Technical data

21306.VKC3

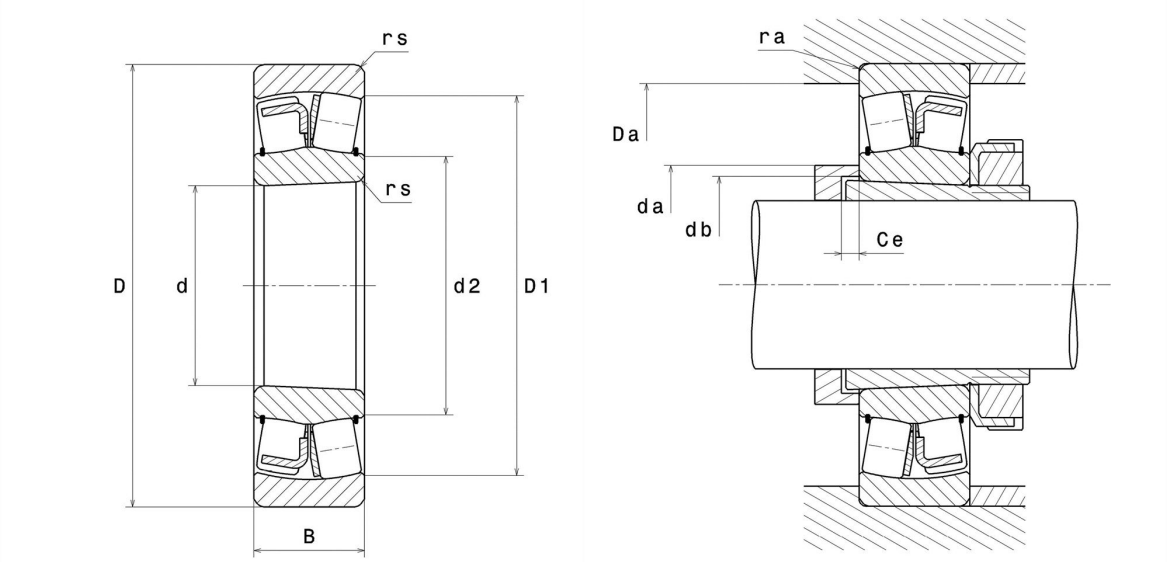
Double row spherical roller bearings



Spherical roller bearing, pressed steel cage, tapered bore 1:12

ULTAGE

Visual(s)



Product definition

d	30 mm
D	72 mm
B	19 mm
d2	40.8 mm
D1	59.7 mm
rs min	1.1 mm
Number of lubrication holes	0
b	2 mm
k	0 mm
Associated sleeve reference	H306
e	0.28
Y1	2.45
Y2	3.64
Y0	2.39
Radial clearance class	C3
Mass	0.38 kg
Brand	SNR

Product performance

Dynamic load, C	6 kN
Static load, C0	50.4 kN
Fatigue limit load, Cu	6.6 kN
Nref	7,800 Tr/min
Nlim	12,000 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	200 °C
Characteristic cage frequency, FTF	0.4 Hz
Characteristic rolling element frequency, BSF	4.97 Hz
Characteristic outer ring frequency, BPF0	4.86 Hz
Characteristic inner ring frequency, BPFI	7.14 Hz

Abutment dimensions

da min	37 mm
da max	1 mm
db min	33 mm
Ce min	6 mm
Da max	65 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 .