Technical data

23056.EMKW33C4

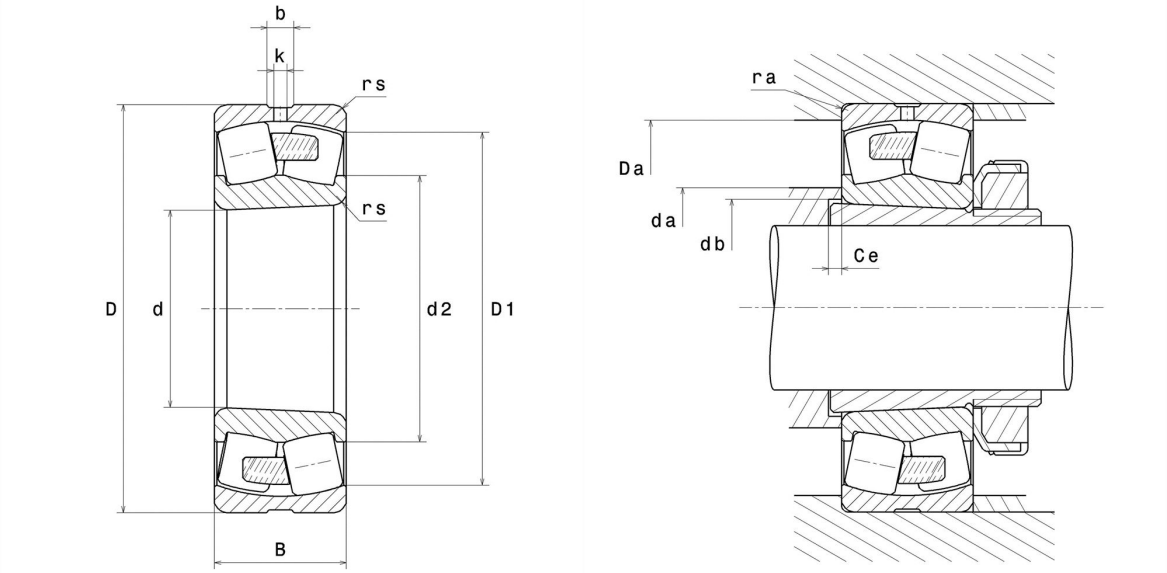
Double row spherical roller bearings



Spherical roller bearing, one-piece machined cage, groove and lubrication holes on outer ring, tapered bore 1:12

ULTAGE

Visual(s)



Product definition

d	280 mm
D	420 mm
B	106 mm
D1	385.2 mm
rs min	4 mm
Number of lubrication holes	3 ou 8
b	18.3 mm
k	8 mm
Associated sleeve reference	H3056H
e	0.22
Y1	3.07
Y2	4.58
Y0	3
Radial clearance class	C4
Mass	50.55 kg
Brand	SNR

Product performance

Dynamic load, C	2,170 kN
Static load, C0	3,150 kN
Fatigue limit load, Cu	218 kN
Nref	1,200 Tr/min
Nlim	1,700 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	8.86 Hz
Characteristic outer ring frequency, BPF0	11.12 Hz
Characteristic inner ring frequency, BPFI	13.88 Hz

Abutment dimensions

da min	294.6 mm
da max	3 mm
db min	292 mm
Ce min	12 mm
Da max	405.4 mm
ra max	3 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 .