Technical data

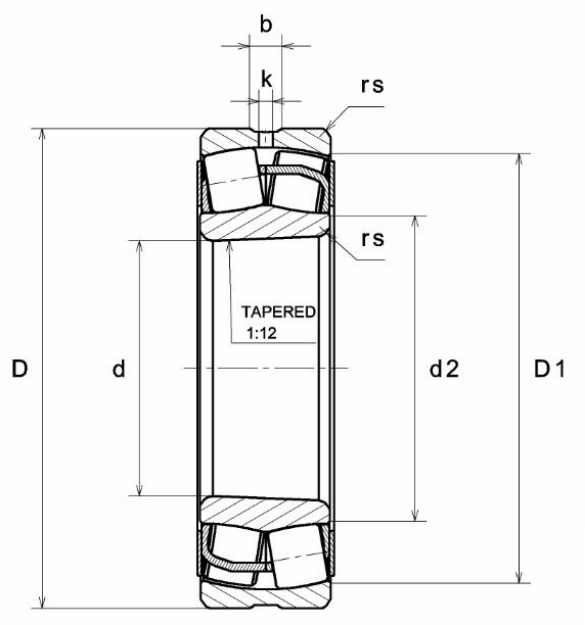
22213EAKW33ZZC3

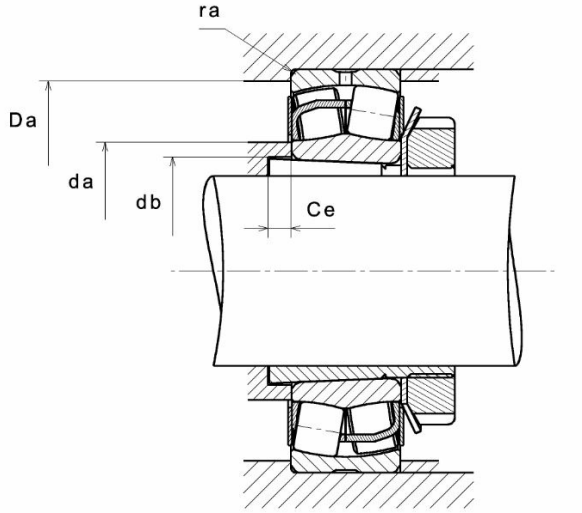
Double row spherical roller bearings

ULTAGE



Visual(s)





Product definition

d	65 mm
D	120 mm
B	31 mm
d2	78.2 mm
D1	107 mm
rs min	1.5 mm
Number of lubrication holes	3
b	7.8 mm
k	3.5 mm
Associated sleeve reference	H313
e	0.24
Y1	2.79
Y2	4.15
Y0	2.73
Radial clearance class	C3
Mass	1.54 kg
Brand	SNR

Product performance

Dynamic load, C	226 kN
Static load, C0	224 kN
Fatigue limit load, Cu	26 kN
Nref	5,300 Tr/min
Nlim	6,900 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	200 °C
Characteristic cage frequency, FTF	0.42 Hz
Characteristic rolling element frequency, BSF	6.18 Hz
Characteristic outer ring frequency, BPF0	7.6 Hz
Characteristic inner ring frequency, BPFI	10.4 Hz

Abutment dimensions

da min	74 mm
da max	1.5 mm
db min	70 mm
Ce min	8 mm
Da max	111 mm
ra max	1.5 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 .