

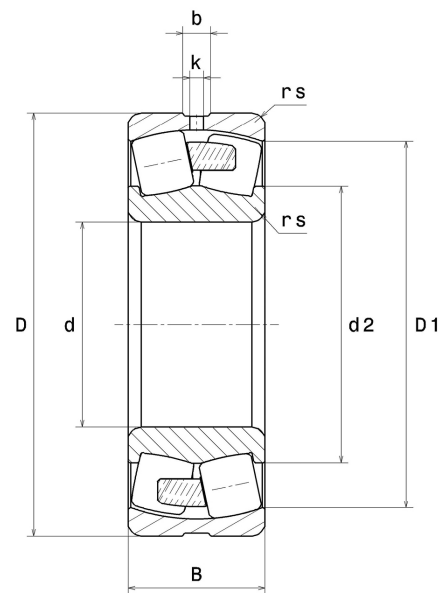
## PDF technical sheet 22328EMW33C4



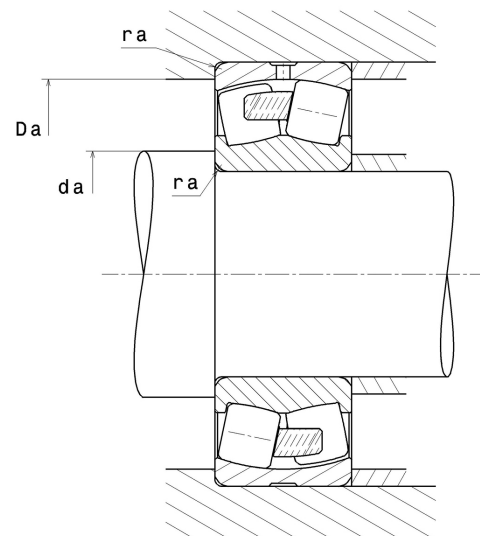
### Double row spherical roller bearings

Spherical roller bearing, one-piece machined cage, groove and lubrication holes on outer ring

Product definition	
d	5.5118 "
D	11.8110 "
B	4.0157 "
d2	7.1535 "
D1	10.2480 "
rs min	0.1575 "
Number of lubrication holes	3
b	0.7441 "
k	0.3543 "
e	0.33
Y1	2.03
Y2	3.02
Y0	1.98
Radial clearance class	C4
Mass	123.12 oz
Brand	SNR



Product performance	
Dynamic load, C	1,540 kN
Static load, C0	1,720 kN
Fatigue limit load, Cu	129 kN
Nref	1,600 RPM
Nlim	2,200 RPM
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	392 °C
Characteristic cage frequency, FTF	0.41 Hz
Characteristic rolling element frequency, BSF	5.30 Hz
Characteristic outer ring frequency, BPF0	6.57 Hz
Characteristic inner ring frequency, BPF1	9.43 Hz



### Abutment dimensions

da min	6.1811 "
Da max	11.1417 "
ra max	0.1181 "

### Calculation factors

#### Equivalent dynamic radial load

$$P = X.F_r + Y.F_a$$

Fa / Fr ≤ e		Fa / Fr > e	
X	Y	X	Y
1	Y1	0.67	Y2

#### Equivalent static radial load

$$P_0 = X_0.F_r + Y_0.F_a$$

X <sub>0</sub>	Y <sub>0</sub>
1	Y0

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