

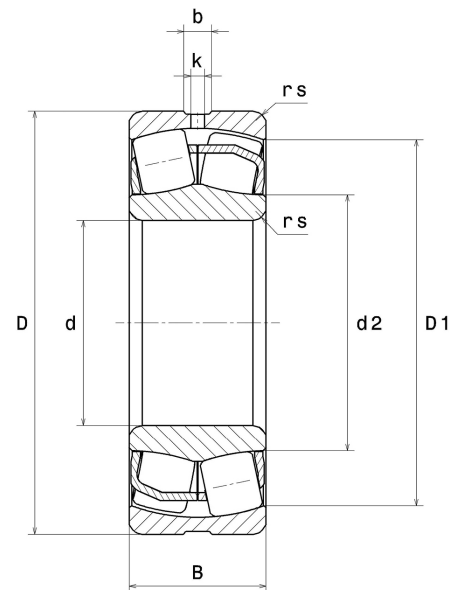
## PDF technical sheet 22322EAW33C3



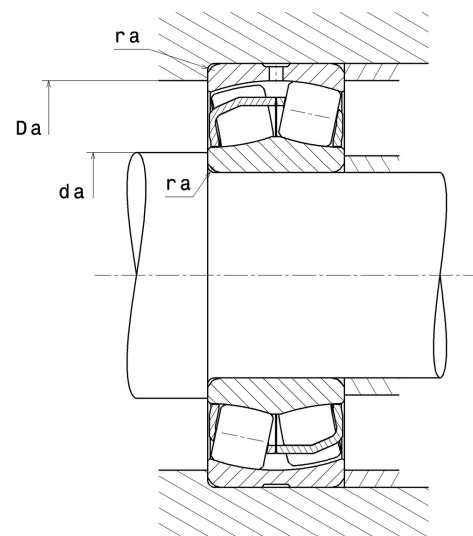
### Double row spherical roller bearings

Spherical roller bearing, pressed steel cage, groove and lubrication holes on outer ring

Product definition	
d	4.3307 "
D	9.4488 "
B	3.1496 "
d2	5.4685 "
D1	8.1929 "
rs min	0.1181 "
Number of lubrication holes	3
b	0.6142 "
k	0.2756 "
e	0.32
Y1	2.09
Y2	3.11
Y0	2.04
Radial clearance class	C3
Mass	59.51 oz
Brand	SNR



Product performance	
Dynamic load, C	975 kN
Static load, C0	972 kN
Fatigue limit load, Cu	84.50 kN
Nref	2,300 RPM
Nlim	2,800 RPM
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	392 °C
Characteristic cage frequency, FTF	0.40 Hz
Characteristic rolling element frequency, BSF	4.70 Hz
Characteristic outer ring frequency, BPF0	5.60 Hz
Characteristic inner ring frequency, BPF1	8.40 Hz



### Abutment dimensions

da min	4.8819 "
Da max	8.8976 "
ra max	0.0984 "

### 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 .