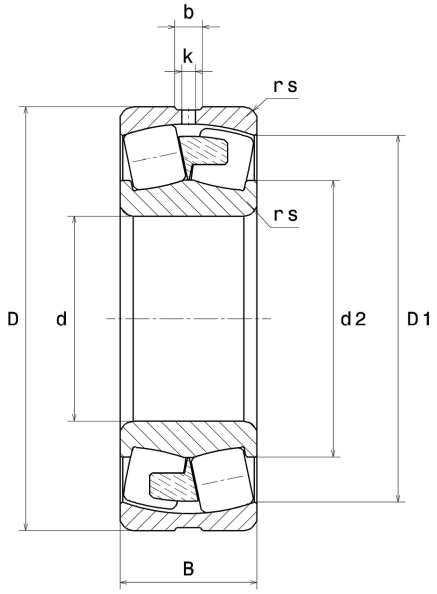
PDF technical sheet
23060EMW33C3

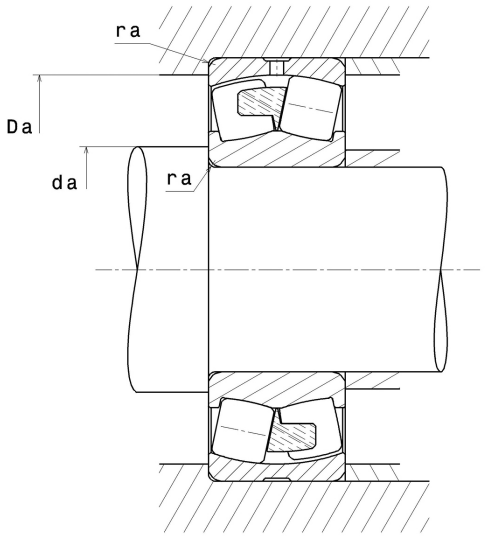
Double row spherical roller bearings

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

Product definition	
d	11.8110 "
D	18.1102 "
B	4.6457 "
D1	16.3937 "
rs min	0.1575 "
Number of lubrication holes	3
b	0.6575 "
k	0.3543 "
e	0.23
Y1	2.94
Y2	4.38
Y0	2.88
Radial clearance class	C3
Mass	247.98 oz
Brand	SNR



Product performance	
Dynamic load, C	2,040 kN
Static load, C0	3,780 kN
Fatigue limit load, Cu	271 kN
Nref	1,100 RPM
Nlim	1,100 RPM
Min operating temperature, Tmin	−40 °C
Max operating temperature, Tmax	392 °C
Characteristic cage frequency, FTF	0.45 Hz
Characteristic rolling element frequency, BSF	9.04 Hz
Characteristic outer ring frequency, BPF0	11.15 Hz
Characteristic inner ring frequency, BPFI	13.85 Hz



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Abutment dimensions	
da min	12.3858 "
Da max	17.5354 "
ra max	0.1181 "

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 .