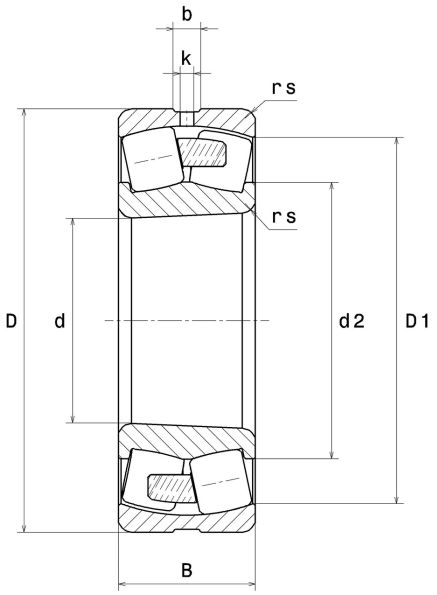
PDF technical sheet
23236EMKW33C3

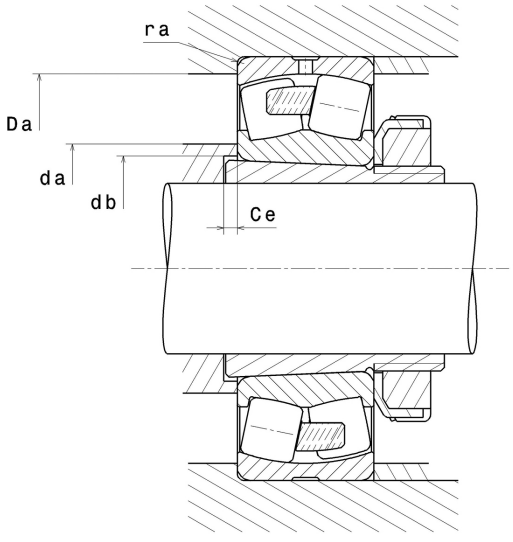
Double row spherical roller bearings

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

Product definition	
d	7.0866 "
D	12.5984 "
B	4.4094 "
d2	8.2677 "
D1	11.0709 "
rs min	0.1575 "
Number of lubrication holes	3
b	0.6457 "
k	0.3150 "
Associated sleeve reference	H2336
e	0.33
Y1	2.06
Y2	3.06
Y0	2.01
Radial clearance class	C3
Mass	130.13 oz
Brand	SNR



Product performance	
Dynamic load, C	1,800 kN
Static load, C0	2,270 kN
Fatigue limit load, Cu	142 kN
Nref	1,200 RPM
Nlim	1,900 RPM
Min operating temperature, Tmin	−40 °C
Max operating temperature, Tmax	392 °C
Characteristic cage frequency, FTF	0.43 Hz
Characteristic rolling element frequency, BSF	6.43 Hz
Characteristic outer ring frequency, BPF0	8.09 Hz
Characteristic inner ring frequency, BPFI	10.91 Hz



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Code APE 2815 Z – Code NACE 28.15

Abutment dimensions	
da min	7.7559 "
db min	7.6772 "
Ce min	0.8661 "
Da max	11.9291 "
ra max	0.1181 "

Calculation factors

Equivalent dynamic radial load

$P = X.Fr + Y.Fa$

Fa / Fr ≤ 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 .