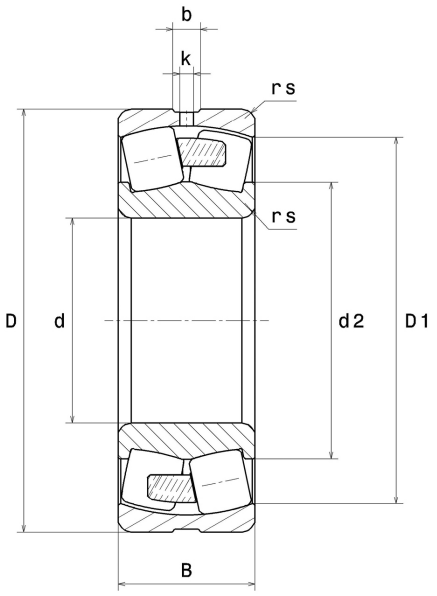
PDF technical sheet
22334EF802

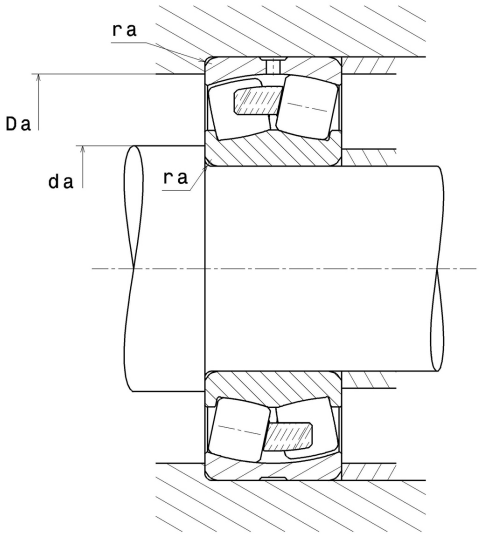
Double row spherical roller bearings

Spherical roller bearing for vibratory applications, one-piece machined cage, groove and lubrication holes on outer ring, special CN class clearance

Product definition	
d	6.6929 "
D	14.1732 "
B	4.7244 "
d2	9.2913 "
D1	12.3189 "
rs min	0.1575 "
Number of lubrication holes	3
b	0.7992 "
k	0.3937 "
e	0.32
Y1	2.09
Y2	3.11
Y0	2.04
Radial clearance class	CN Special
Mass	208.12 oz
Brand	SNR



Product performance	
Dynamic load, C	2,200 kN
Static load, C0	2,630 kN
Fatigue limit load, Cu	175 kN
Nref	1,200 RPM
Nlim	1,800 RPM
Min operating temperature, Tmin	−40 °C
Max operating temperature, Tmax	392 °C
Characteristic cage frequency, FTF	0.42 Hz
Characteristic rolling element frequency, BSF	5.68 Hz
Characteristic outer ring frequency, BPF0	7.08 Hz
Characteristic inner ring frequency, BPFI	9.92 Hz



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Code APE 2815 Z – Code NACE 28.15

Abutment dimensions	
da min	7.3622 "
Da max	13.5039 "
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 .