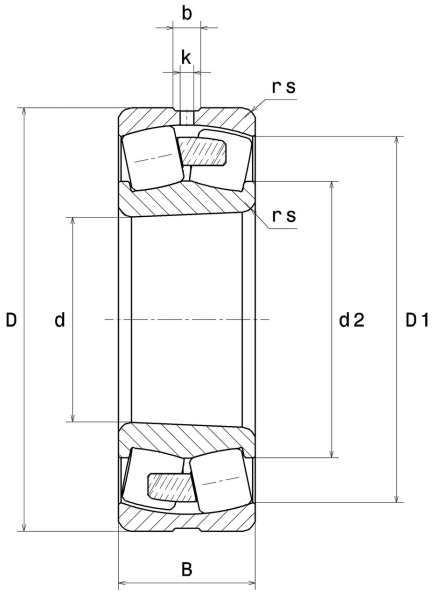
PDF technical sheet
22322EKF800

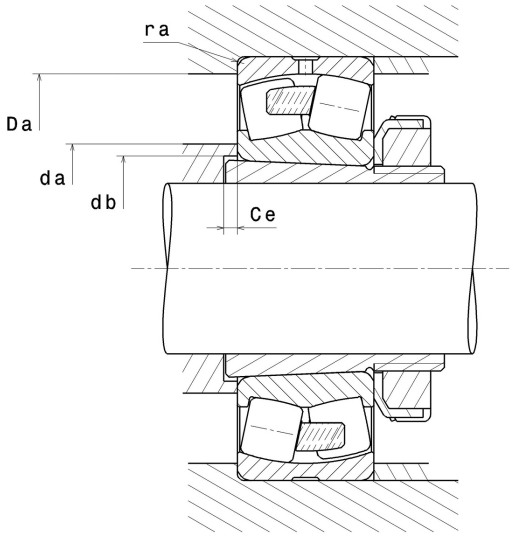
Double row spherical roller bearings

Spherical roller bearing for vibratory applications, one-piece machined cage, groove and lubrication holes on outer ring, tapered bore 1:12, special C4 class clearance

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 "
Associated sleeve reference	H2322
e	0.32
Y1	2.09
Y2	3.11
Y0	2.04
Radial clearance class	C4 Special
Mass	60.49 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, BPFI	8.40 Hz



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Code APE 2815 Z – Code NACE 28.15

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

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 .