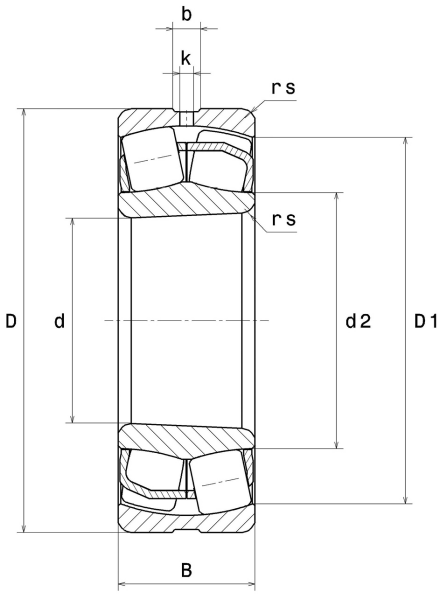
PDF technical sheet
23132EAKW33

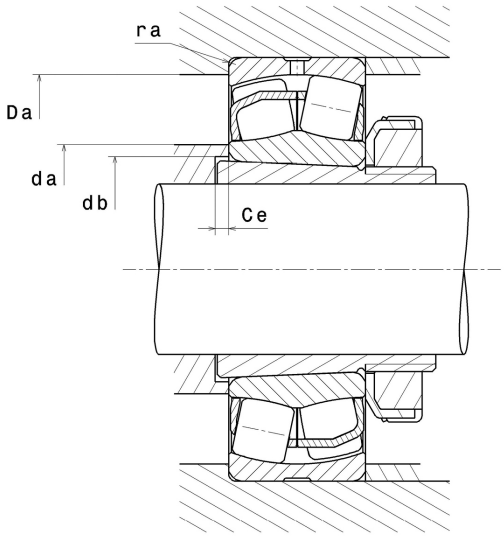
Double row spherical roller bearings

Spherical roller bearing, pressed steel cage, groove and lubrication holes on outer ring, tapered bore 1:12

Product definition	
d	6.2992 "
D	10.6299 "
B	3.3858 "
d2	7.3110 "
D1	9.4409 "
rs min	0.0827 "
Number of lubrication holes	3
b	0.5394 "
k	0.2362 "
Associated sleeve reference	H3132
e	0.29
Y1	2.35
Y2	3.5
Y0	2.3
Radial clearance class	CN
Mass	70.97 oz
Brand	SNR



Product performance	
Dynamic load, C	1,220 kN
Static load, C0	1,580 kN
Fatigue limit load, Cu	106 kN
Nref	1,800 RPM
Nlim	2,400 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	7.31 Hz
Characteristic outer ring frequency, BPF0	9.11 Hz
Characteristic inner ring frequency, BPFI	11.89 Hz



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Abutment dimensions	
da min	6.7717 "
Da max	10.1575 "
ra max	0.0787 "

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 .