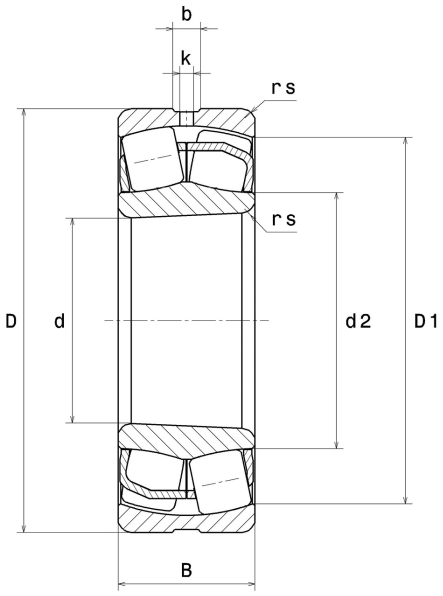
PDF technical sheet
23128EAKW33

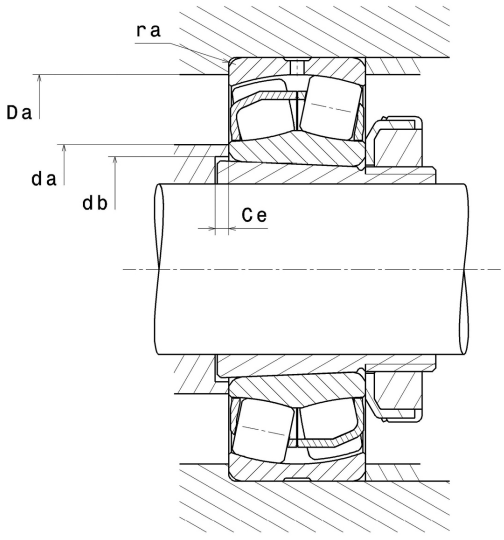
Double row spherical roller bearings

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

Product definition	
d	5.5118 "
D	8.8583 "
B	2.6772 "
d2	6.2717 "
D1	7.9528 "
rs min	0.0827 "
Number of lubrication holes	3
b	0.4134 "
k	0.1969 "
Associated sleeve reference	H3128
e	0.26
Y1	2.55
Y2	3.8
Y0	2.5
Radial clearance class	CN
Mass	37.99 oz
Brand	SNR



Product performance	
Dynamic load, C	802 kN
Static load, C0	1,030 kN
Fatigue limit load, Cu	76.60 kN
Nref	2,200 RPM
Nlim	2,800 RPM
Min operating temperature, Tmin	−40 °C
Max operating temperature, Tmax	392 °C
Characteristic cage frequency, FTF	0.44 Hz
Characteristic rolling element frequency, BSF	7.84 Hz
Characteristic outer ring frequency, BPF0	9.64 Hz
Characteristic inner ring frequency, BPFI	12.36 Hz



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Code APE 2815 Z – Code NACE 28.15

Abutment dimensions	
da min	5.9843 "
Da max	8.3858 "
ra max	0.0787 "

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 .