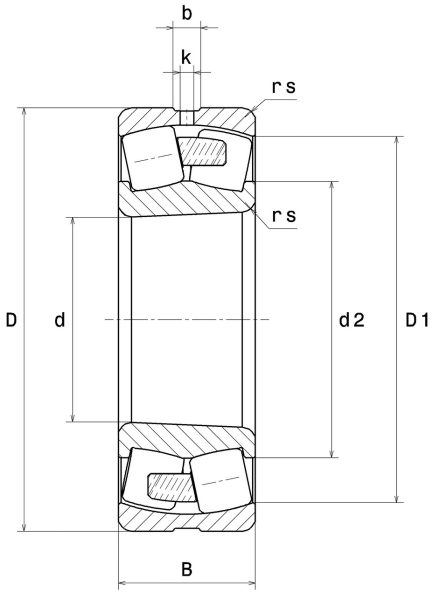
PDF technical sheet
23026EMKW33C3

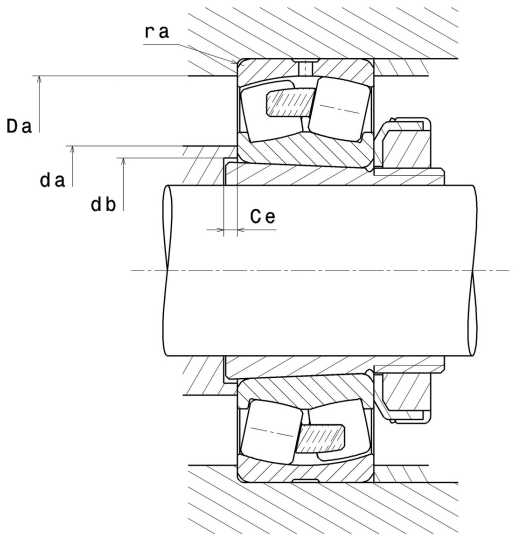
Double row spherical roller bearings

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

Product definition	
d	5.1181 "
D	7.8740 "
B	2.0472 "
D1	7.1890 "
rs min	0.0787 "
Number of lubrication holes	3
b	0.3504 "
k	0.1575 "
Associated sleeve reference	H3026
e	0.22
Y1	3.01
Y2	4.48
Y0	2.94
Radial clearance class	C3
Mass	20.11 oz
Brand	SNR



Product performance	
Dynamic load, C	565 kN
Static load, C0	721 kN
Fatigue limit load, Cu	63.40 kN
Nref	3,000 RPM
Nlim	3,600 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	8.47 Hz
Characteristic outer ring frequency, BPF0	10.62 Hz
Characteristic inner ring frequency, BPFI	13.38 Hz



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Code APE 2815 Z – Code NACE 28.15

Abutment dimensions	
da min	5.4646 "
Da max	7.5276 "
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 .