PDF technical sheet
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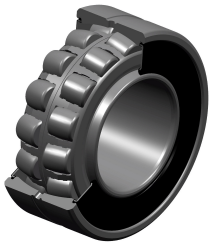
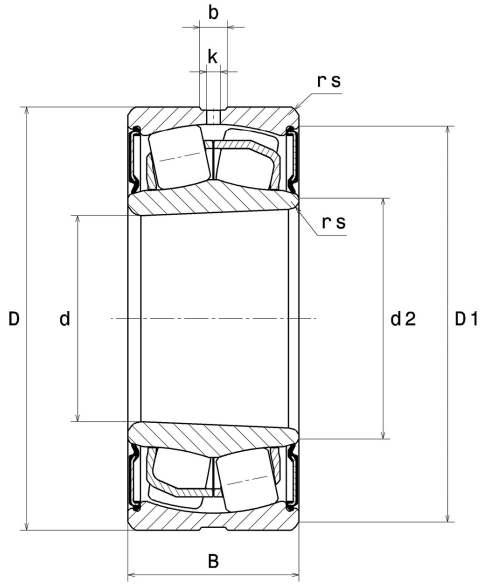


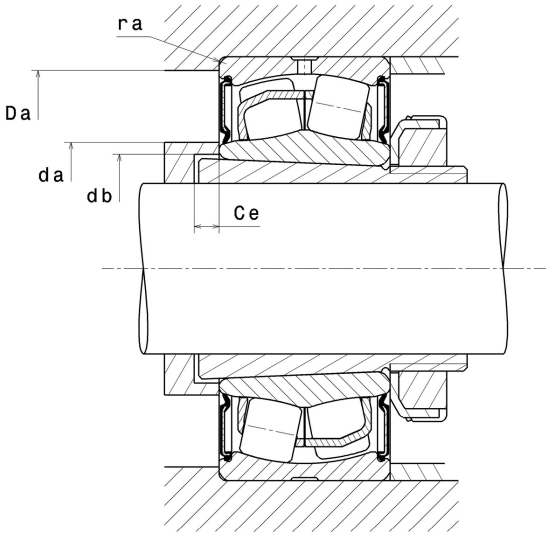
Double row spherical roller bearings

Spherical roller bearing, pressed steel cage, groove and lubrication holes on outer ring, tapered bore 1:12, non ISO width, contact seals on both sides

Product definition	
d	3.9370 "
D	7.0866 "
B	2.1654 "
d2	4.5039 "
D1	6.5512 "
rs min	0.0827 "
Number of lubrication holes	3
b	0.4409 "
k	0.1969 "
e	0.24
Y1	2.84
Y2	4.23
Y0	2.78
Radial clearance class	C3
Mass	18.94 oz
Brand	SNR



Product performance	
Dynamic load, C	472 kN
Static load, C0	495 kN
Fatigue limit load, Cu	51.40 kN
Nlim	1,000 RPM
Min operating temperature, Tmin	14 °C
Max operating temperature, Tmax	248 °C
Characteristic cage frequency, FTF	0.42 Hz
Characteristic rolling element frequency, BSF	6.23 Hz
Characteristic outer ring frequency, BPF0	7.61 Hz
Characteristic inner ring frequency, BPFI	10.39 Hz



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1 rue des Usines – 74010 Annecy Cedex – France – Tel. +33 (0)4 50 65 30 00

Abutment dimensions	
da min	4.4094 "
da max	4.4961 "
Da max	6.6142 "
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

$Po = Xo.Fr + Yo.Fa$

X_0	Y_0
1	Y0

The values for e, Y1, Y2 and Y0 are shown in the above table .