



NTN-SNR BEARING RULMENTI S.R.L.

35 mm x 80 mm x 21 mm SNR 31307.A Single row tapered roller bearings

Bearing No. 31307.A

d	35 mm
D	80 mm
B	21 mm
C	15 mm
T	22.75 mm
d1	59.1 mm
a	25.8 mm
rs min	2 mm
r1s min	1.5 mm
e	0.83
Y2	0.73
Y0	0.4
Mass	0.52 kg
ISO 355 reference	T7FB035
Dynamic load, C	69.1 kN
Rating life coefficient, A2	1
Static load, C0	77.2 kN
Fatigue limit load, Cu	9.4 kN
Nref	5,500 rpm
Nlim	9,600 rpm
Min operating temperature, Tmin	-40 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.42 Hz

31307.A Bearing 2D drawings and 3D CAD models



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Characteristic rolling element frequency, BSF	5.32 Hz
Characteristic outer ring frequency, BPF0	6.72 Hz
Characteristic inner ring frequency, BRFI	9.28 Hz
da max	44 mm
db min	45 mm
Da min	62 mm
Da max	71.5 mm
Db min	76.5 mm
Ca min	3 mm
Cb min	7.5 mm
ra max	2 mm
r1a max	1.5 mm