



NTN-SNR BEARING RULMENTI S.R.L.

90 mm x 190 mm x 43 mm NTN
7318BDBTT/GNPX5 Single row or matched pairs
of angular contact ball bearings

Bearing No. 7318BDBTT/GNPX5

d	90 mm
D	190 mm
B	43 mm
a	80.5 mm
Contact angle	40 °
rs min	3 mm
r1s min	1.1 mm
Mass	5.16 kg
Dynamic load, C	156 kN
Static load, C0	135 kN
Fatigue limit load, Cu	5.2 kN
Nlim (oil)	4,500 rpm
Nlim (grease)	3,400 rpm
Min operating temperature, Tmin	-40 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.41 Hz
Characteristic rolling element frequency, BSF	4.28 Hz
Characteristic outer ring frequency, BPF0	4.96 Hz
Characteristic inner ring frequency, BPF1	7.04 Hz
da min	104 mm

7318BDBTT/GNPX5 Bearing 2D drawings and 3D CAD models



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db min	97 mm
Da max	176 mm
Db max	183 mm
r1a max	1 mm
ra max	2.5 mm