

# ISO 7317 BDT angular contact ball bearings

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Size (mm)	25x52x18
Bore Diameter (mm)	25,000
Outer Diameter (mm)	52,000
Width (mm)	18,000
d	25,000 mm
D	52,000 mm
B	18,000 mm
C	18,000 mm
d1	34.7 mm
D1	43.3 mm
rs min	1 mm
Radial clearance class	CN
Precision class	P0
Mass	0.16 kg
Dynamic load, C	19.1 kN
Static load, C0	14.7 kN
Fatigue limit load, Cu	0.82 kN
f0	14.4
Nref	11,000 rpm
Nlim	12,000 rpm

Min operating temperature, $T_{min}$	-20 °C
Max operating temperature, $T_{max}$	120 °C
Characteristic cage frequency, FTF	0.41 Hz
Characteristic rolling element frequency, BSF	5.28 Hz
Characteristic outer ring frequency, BPF0	4.08 Hz
Characteristic inner ring frequency, BRFI	5.92 Hz
da min	31 mm
Da max	46 mm
ra max	1 mm