

# ISO 7212 CDT angular contact ball bearings

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d	50 mm
D	90 mm
B	20 mm
C	17 mm
T	21.75 mm
d1	68.4 mm
a	20 mm
rs min	1.5 mm
r1s min	1.5 mm
e	0.42
Y2	1.43
Y0	0.79
Mass	0.53 kg
ISO 355 reference	T3DB050
Dynamic load, C	76.7 kN
Rating life coefficient, A2	1
Static load, C0	92.1 kN
Fatigue limit load, Cu	11.2 kN
Nref	5,100 rpm
Nlim	8,100 rpm
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C

Characteristic cage frequency, FTF	0.43 Hz
Characteristic rolling element frequency, BSF	6.63 Hz
Characteristic outer ring frequency, BPF0	8.15 Hz
Characteristic inner ring frequency, BRFI	10.85 Hz
da max	58 mm
db min	58.5 mm
Da min	79 mm
Da max	81.5 mm
Db min	85 mm
Ca min	3 mm
Cb min	4.5 mm
ra max	1.5 mm
r1a max	1.5 mm