



AMERICAN BEARING MFG.CORP.

38,1 mm x 85,725 mm x 30,162 mm NTN
4T-3875/3820 tapered roller bearings



Bearing No. 4T-3875/3820

4T-3875/3820 Bearing 2D drawings and 3D CAD models

Size	38.1x85.725x30.162 mm
Bore Diameter	38,1 mm
Outer Diameter	85,725 mm
Width	30,162 mm
d	38,1 mm
D	85,725 mm
T	30,162 mm
B	30,162 mm
C	23,812 mm
ra1 max.	3,3 mm
a	8,1 mm
Da	73 mm
db	48,5 mm
ra max.	0,8 mm
da	49,5 mm
Db	81 mm
Weight	0,857 Kg
Basic dynamic load rating (C)	105 kN
Basic static load rating (C0)	132 kN
(Grease) Lubrication Speed	4 500 r/min
(Oil) Lubrication Speed	6 000 r/min
Calculation factor (e)	0,4
Calculation factor (Y0)	0,82
d1	63.5 mm
e	0.4



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Y2	1.49
Y0	0.82
Mass	0.86 kg
Dynamic load, C	105 kN
Rating life coefficient, A2	1.4
Static load, C0	132 kN
Fatigue limit load, Cu	16.1 kN
Nlim (oil)	6,000 rpm
Nlim (grease)	4,500 rpm
Min operating temperature, Tmin	-40 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.42 Hz
Characteristic rolling element frequency, BSF	5.9 Hz
Characteristic outer ring frequency, BPF0	6.72 Hz
Characteristic inner ring frequency, BPF1	9.28 Hz
ra max	0.8 mm
r1a max	3.3 mm