

Yaw Bearing for Wind Turbine

Yaw Bearing for Wind Turbine Engineering 73.02 mm D Calculator , Manufacturing 34.92 mm d Service . Get Your Free.

d	34.92 mm
D	73.02 mm
B	22.22 mm
C	17.46 mm
T	22.22 mm
d1	54.2 mm
a	18.32 mm
e	0.45
Y2	1.32
Y0	0.73
Mass	0.42 kg
Dynamic load, C	56.5 kN
Rating life coefficient, A2	1.9
Static load, C0	68 kN
Fatigue limit load, Cu	8.3 kN
Nlim (oil)	7,000 rpm
Nlim (grease)	5,300 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	6.61 Hz
Characteristic outer ring frequency, BPF0	7.29 Hz
Characteristic inner ring frequency, BRFI	9.71 Hz
ra max	0.8 mm

r1a max	3.3 mm
---------	--------