

# 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 |
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