

MTWB

*Customized
Bearings*



High Temperature Bearing

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MTWB High Temperature Bearing



In general, high-temperature bearing has the following features:

- Greater loading capacity, 1.4 times that of standard bearings
- Average life is more than five times that of standard bearings
- Anti-oxidation, anti-corrosion and anti-rust, suitable for humid working environment
- High hardness and wear resistance, resistant to strong impact and bite
- High-temperature resistance to 300-800°C
- Self-lubricating at low speed

Graphite is a "super good material" that fills the space between the rolling elements to provide lubrication, a graphite bearing is therefore always smoothly lubricated and can take higher loading than normal bearing, longer bearing life is expected. When a graphite bearing stops rotating, it also stops wearing out.



MTWB has chosen polydiol-graphite based lubricant and graphite cage for high temperature bearing, typically for the following applications:

- Metallurgical cold-bed, roller table and smelting furnace
- Food and beverages - Continuous oven, pancake oven
- Automotive - Coating production line, heat-treatment furnace
- Plate-glass and tableware-glass machinery
- Ceramic tile and mineral wool machinery

Temperature resistance	Long-lasting temperature resistance	300°C
	Peak temperature resistance	350°C (8 hours)
Temperature resistance	Dynamical friction	0.08-0.3
Friction factor	Dynamic friction under wet condition	0.01-0.1
Speed	6205 deep groove ball bearing (metal cage) speed	1000 RPM