

NTN - CM Designation

Based on NTN product catalogs and bearing literature, **CM** in the context of NTN bearings typically refers to a special radial internal clearance designed for electric motor applications, often referred to as "CM clearance" or "Motor clearance".

Here are the key details regarding CM from NTN documentation:

Definition: CM signifies a specific range of internal clearance, often closer to a C3 clearance, but tightened to ensure lower vibration and quieter operation.

Usage: It is commonly used in **deep groove ball bearings (6xxx series)**, particularly for electric motors to meet strict noise and vibration standards.

Compatibility: It can be specified along with shielded (-ZZ) or sealed (-LLU, -LLB) bearings.

Other potential "CM" meanings in NTN catalogs:

Type Codes (Bearing Units): "CM-" at the beginning of a type code often indicates a cast iron closing cover for bearing units.

Clutches: "NCM" refers to a specific type of one-way clutch unit.