



## Roller Bearing (SMT-TM-53)

The Roller Bearing Module is a hands-on laboratory apparatus designed to demonstrate the working principle, assembly, and disassembly of roller bearings. The module is mounted on a rigid steel base, with a precision-machined housing for easy handling. Lock plates allow students to safely remove and refit the bearing for maintenance practice.

### TECHNICAL SPECIFICATIONS

#### Specification:

- **Type of Bearing:** Roller bearing (anti-friction type).
- **Base Material:** Powder-coated mild steel base.
- **Bearing Housing:** Rigid metal structure with easy-access design.
- **Bearing Size:** Standard replaceable roller bearing.
- **Lock Mechanism:** Lock rings for quick assembly/disassembly.
- **Dimensions:** Compact, bench-mountable design.
- **Weight:** Lightweight for portability.
- **Educational Use:** For undergraduate engineering and vocational training.

