



Features:

- Steel baseplate with provision for table-top mounting.
- Welded aluminum gear box, allowing for installation of all supplied gear sets.
- Seven custom bearing housings allowing for installation and shimming (internal and external) of tapered roller bearing sets.
- Two additional flanged bearing units for open gearing application.
- Gear sets including; spur gears, helical gears, worm/worm gear, and bevel (miter) gears. Gear sets represent different pitches, ratios, pressure angles, and pitch diameters.
- Bearings, including tapered roller bearings and radial ball bearings.
- Shafting with keyways and keys.
- Handle for illustrating thrust and establishing wear patterns.
- Steel bracket for mounting dial indicator.
- High-durability, urethane coatings throughout.
- Can be mounted on the standard 'Tesca' Electromechanical Integration Bench
- Provision for mounting Cams and Mechanisms Accessory, #222.
- Overall size of 300W x 550L x 350H in mm & @35Kgs.

Tesca Gear Maintenance Trainer is a versatile assembly allows for convenient hands-on training in gear identification, installation, alignment, and troubleshooting. The device includes a diverse selection of

industrial quality gears, shafts, and bearings, allowing for use in a variety of configurations. The welded aluminum gear box provides for mounting and shimming of tapered roller bearings using several different bearing housing types. Useful in the classroom or training lab, this heavy-duty device will improve maintenance skills as well as increase the understanding of precision gearing.

Technical Specification:

- Six (6) custom bearing housings: Allows for installation and shimming (internal and external) of tapered roller bearing sets.
- One (1) flanged bearing units for open gearing application.
- Gear sets to include following types of gears with different pitches, pressure angles and pitch diameters:
 - a. Spur Gears, One no.
 - b Helical Gears, two nos.
 - b. Worm Gear, One no.
 - c. Bevel (miter) gears, two nos
- Bearings, one each:
 - a. Tapered roller bearings
 - b. Radial ball bearings.
- Handle for illustrating thrust and establishing wear patterns
- Backlash measurements can be done using a dial indicator.
- Machined gearbox to allow mounting different ~ shaft gearing sets.

Accessories Supplied:

- Combination wrenches and Allen wrench set.
- Gear puller,
- Bearing puller,
- Feeler gauges
- Magnetic base/dial indicator set
- 1 set Shim/Fit Plate per trainer
- 1 container Prussian Blue per trainer
- 1 unit sturdy metal frame workbench per trainer of suitable height to work. The trainer base must be bolted onto the workbench.
- 1 unit Gear Sample Board Package containing minimum 10 industrial gear samples of different designs and dimensions with magnetic tag identification.

Note: Specifications are subject to change.

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