



Product Code . EL-TOMLE-11874

Epicyclic Gear Train Holding Torque Apparatus

Description

Epicyclic Gear Train Holding Torque Apparatus

It is a motorized unit consisting of SUN gear mounted on input shaft.

Two plane gears mesh with the annular gear.

These planet gears are mounted on a common arm to which output shaft is fitted.

Loading arrangement is provided for loading the system and to measure Holding Torque.

Specifications:-

External type Epicyclic Gear Train:

Bearing blocks for input & output shafts.

A gear train with Holding drum and handle.

Internal Type Epicyclic Gear Train:-

A compact Gear Train.

Variable speed D.C. Motor

Control Panel comprising of

Digital Ammeter and Voltmeter.

RPM Indicator.

Rope brake arrangement to measure output torque and holding torque.

Speed Controller.

Experimentation:-

To measure epicyclical gear ratio between Input shaft and Output shaft.

To measure epicyclical gear ratio between Input shaft and holding drum.

To measure Input torque, Holding torque and Output torque.

Service Required:-

Floor Space – about 1.5m x 2m.

230 V.AC stabilized power supply.

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