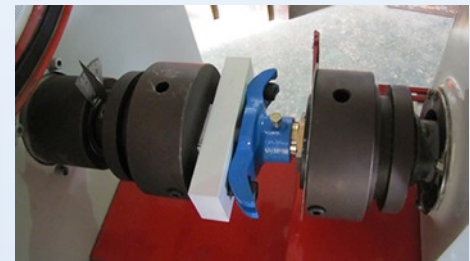


TORSION TESTING MACHINE



Torsion Testing Machine is designed for conducting Torsion and Twists tests on various materials with different cross-sections. Commonly used cross-sections are round, tube and strips. Torque is applied to specimen by geared motor through gearbox and sprockets. The autographic recorder plots a graph of the relation between torque and angle of twist.

Torque measurement is by pendulum dynamometer system. Torque ranges can be adjusted according to the specimen capacity. The accuracy of torque indication is $\pm 1\%$ of the torque and is guaranteed from 20% of the torque range selected to full torque.



Torsion test on bracket

Torsion testing Machine: Capacity 1000 N.m

| TECHNICAL SPECIFICATIONS | | | | | | | |
|--|------|----------------|-----------------|------------------------------|-------------------------------|-------------------------------|-------------------------|
| SPECIFICATIONS | UNIT | TTK 6 | TTK 10 | TTK 20 | TTK 50 | TTK 100 | TTK 200 |
| Max. Torque | N.m | 60 | 100 | 200 | 500 | 1000 | 2000 |
| Torque Ranges | N.m | 30,60 | 20,50,100 | 50,100,200 | 50,100,250,500 | 100,250,500,1000 | 200, 500, 1000, 2000 |
| Divisions on Dial | no. | 500 | 500 | 500 | 500 | 500 | 500 |
| Torsion Speed | RPM | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| Grip Clearance | MM | 0 – 400 | 0 – 420 | 0 – 450 | 0 – 500 | 0 – 600 | 0 – 600 |
| Grips For Round Specimen \varnothing | MM | 2 – 4 4 - 8 | 4 – 8 8 - 12 | 7 - 10 10 – 15 15 - 20 | 10 – 17 17 - 24 24 - 30 | 10 – 17 17 - 24 24 - 30 | 20-30 30-40 40-50 |
| Grips For Flat Specimen (T x W) | MM | 25 | 2 – 8 x 25 | 3 – 10 x 30 | 2 – 12 x 40 | 5 – 15 x 50 | 10-20 x 60 |
| Power - 415 V, 3 Ph | kW | 0.5 | 0.5 | 0.5 | 1.0 | 1.0 | 1.0 |

Due to continuous development specifications may change without notice. Accessories shown may not be part of standard equipment.