

# UNIVERSAL TESTING MACHINE



## UNIVERSAL TESTING MACHINE (TENSILE & COMPRESSION)

**Max Capacity** : 400 kN

**Experiment** : To determine the Tensile & Compressive strength.

**Year of Purchase:**1967

**Cost** : 0.52 Lac

### TECHNICAL DESCRIPTION

Max Cap : 400kN

1<sup>st</sup> Measuring range: 0-400 kN

Resolution: 0.80

2<sup>nd</sup> Measuring range: 0-200 kN

Resolution: 0.40

3<sup>rd</sup> Measuring range: 0-100 kN

Resolution: 0.20

4<sup>th</sup> Measuring range: 0-40 kN

Resolution: 0.08

Maximum clearance for Tensile Test: 50-700 mm

Maximum clearance for Compression Test: 0-700 mm

Clearance between columns: 500mm

Ram Stroke: 200mm

Straining / Piston Speed at no load: 0-150 mm/min

Electricity Supply: 1.75 kW

FOR TENSION TEST:							
Clamping Jaws for round Specimen	mm	10-20 20-30	10-20 20-30	10-25 25-40	10-25 25-40 40-55	10-20 25-40 45-70	20-40 40-60 60-80
Clamping Jaws for Flat Specimen	mm	0-10 10-20	0-10 10-20	0-15 15-30	0-15 15-30	0-22 22-44 44-65	0-20 20-45 45-70
Width	mm	50	50	65	70	70	100
FOR COMPRESSION TEST:							
Pair of compression plate of diameter	mm	120	120	120	120	160	220
FOR TRANSVERSE TEST:							
Width for rollers	mm	160	160	160	160	160	160
Diameters of rollers	mm	30	30	30	50	50	70
Max. Clearance between support	mm	500	500	500	600	800	900
Radius of punch Top	mm	6, 12	6, 12	12, 16	16, 22	16, 22	30, 40

**Special accessories:** This include load stabilizer, Brinell test attachment, 180 Bend test attachment, Shear test Attachment.



**Max Capacity** : 100 kN

**Experiment** : To determine the Tensile & Compressive strength.

**Year of Purchase:** 1958

**Cost** : 0.12 Lac