

**MANHOLE MECHANICAL
PROPERTIES TESTER**



STANDARDS

ASTM D 2412-2002

BS EN 13598-1

APPLICATIONS

Manhole Mechanical Properties Tester Applications

QualiMMPT™ manhole mechanical property tester is designed to determine the performance of inspection chamber, manhole frame as well as manhole wall. It can be used to test shear strength and the axial loading performance of manhole base. It can also be used to test Ring stiffness, flatness and ring flexibility test.

BS EN 13598-1:2003 Plastics piping systems for non-pressure underground drainage and sewerage. Unplasticized poly (vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE). Specifications for ancillary fittings including shallow inspection chambers. It is the standard to test the mechanical performance or physical properties of pipework systems, Pipes, Drainpipes, Plastics, Unplasticized polyvinyl chloride, Polypropylene, Polyethylene, Underground, Water supply and waste systems that could be used in building, drainage, sewers and sewage engineering.

TECHNICAL SPECIFICATIONS

Technical Specifications of QualiMMPT™

Max. Test Force	30kN (dual-screw)
Load Accuracy	±1%

Load Resolution	1N
Crossbeam Resolution	±1%
Test Speed	0.5~200mm/min (stepless)
Speed Tolerance	±1%
Pipe diameter range for Ring Stiffness Test	ø200mm~ ø2000mm
Inner Diameter Measurement Range	ø300mm~ ø2000mm
Inner Diameter Measuring Accuracy	±0.5%
Compression Plate Dimension	450mmx400mm
Manhole Base Diameter Range	ø315mm~ ø1200mm
Width of Steel Belt	100mm
Safety Protection Grade	IP55
Dimension of Basic Frame (excluding compression plate)	1360 × 650 × 3400mm (L × W × H)
Mass of Basic Frame	600kg
Dimension of Shear Test Device	1450 × 1450 × 2700mm (L × W × H)
Mass of Shear Test Device	300kg
Covering Area	2000 × 1500mm
Voltage	220VAC 50Hz 1.5kW (110V is also available)

