



Product Code

UTC-5610	100 kN Flexural Testing Frame, Rectangle Type
UTC-5620	200 kN Flexural Testing Frame, Rectangle Type
UTC-5622	200 kN Flexural Testing Frame, TWOFLEX

Standards

EN 1338, 1339, 1340, 1341, 1343, 12390-5, 12390-6;
BS 1881; ASTM C78, C293, C496

The versatile UTEST Flexural Testing Frames are designed for minimum deflection at maximum load resulting in very high accuracy. The load frame is a welded steel fabrication carrying the ram fitted to the upper crosshead. The frames have a single acting down stroking ram. The return of the ram is done by spring to get maximum accuracy on the load measurement. A load cell is used for load measurements on all frames. Each model is designed to accept all accessories required for flexural, transverse or compression tests.

UTEST Flexural Frames models are designed to allow easy and practical front loading of the specimens.

UTC-5622 TWOFLEX frame provides the advantage of being able to perform flexural tests on longer specimens

The load frame provides the stability needed for accurate and repeatable test results over the years of operation.

All frames can be connected to any UTEST compression machine as a second frame or can be used with any UTEST power pack as an independent Flexural Machine.

The main characteristics are:

Beam, kerb, deflection controlled test

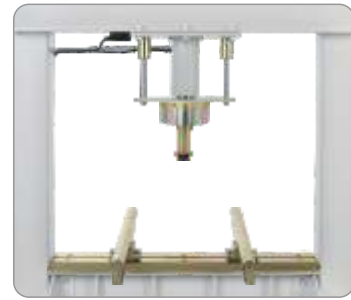
- High stability/rigidity welded assembly (200 kN/mm stiffness)
- Can be used for flextural strength tests of concrete paving flag and natural stone slabs, concrete or natural stone kerbs and tensile splitting test of concrete paving blocks
- Safety limit switch for 100 mm piston stroke
- High accuracy load measurement with strain gauge load cells
- Can accept wide range of accessories for mentioned standards
- Can be connected to any UTEST compression machine or UTEST power pack

Test assemblies such as;

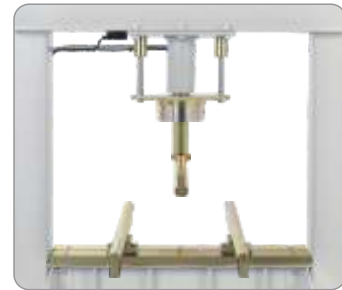
- Flexure strengt test of concrete beam (UTC-5501), kerb (UTC-5502) and flagstone (UTC-5504),
- Indirect tensile strengt test of paving block (UTC-0355 and UTC-5510),
- Splitting tensile strengt test of concrete cubes (UTC-0360) and cylinders (UTC-0350),
- Compression strengt test of any condtruction material (UTCM-4116 and distance pieces UTC-4630, UTC-4631, UTC-4633 and UTC-4634) should be ordered separately.



UTC-5610 with UTCM-5501



UTC-5502



UTC-5504

Product Code		UTC-5610	UTC-5620	UTC-5622
Capacity		100 kN	200 kN	200 kN
Ram Travel		100 mm	120 mm	120 mm
Max. Vertical Clearance	with UTC-5501	165 mm	165 mm	165 mm
	with UTC-5502	233 mm	233 mm	233 mm
	with UTC-5504	140 mm	140 mm	140 mm
Max. Horizontal Clearance		870 mm	820 mm	820 mm
Max. Clearance Between Lower Rollers		750 mm	720 mm	1150 mm
Ram return by		Spring	Spring	Spring
Overall Dimensions		1170x515x1144 mm	508x960x1270 mm	1060x1290x1210 mm
Weight (approx.)		225 kg	200 kg	240 kg