FLEXURAL TESTING FRAMES

Product Code

UTC-5610 100 kN Capacity Flexural Testing Frame
UTC-5630 300 kN Capacity Flexural Testing Frame C Type

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 with over travel switch protection to shut the machine down when maximum ram travel is reached. 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 UTC-5610 and UTC-5630 models are designed to allow easy and practical front loading of the specimens.
UTC-5630 The very rigid C type design is ideal either for conventional flexural test or for more sophisticated tests such as deformability and ductility index.
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 welded assembly
- 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;
- Flexture 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-4116

UTC-5630 with UTCM-4116

Product Code	UTC-5610	UTC-5630
Capacity	100 kN	300 kN
Ram Travel	100 mm	100 mm
Max. Vertical Clearance	435 mm (without accessories)	425 mm (without accessories)
Max. Horizontal Clearance	870 mm	640 mm
Max. Clerance Between Lower Rollers	744 mm (with UTC-5501, UTC-5502 and UTC-5504)	900 mm
The Distance Between The Center of The Piston to The Side of The Frame	--	320 mm
Ram return by	Spring	Spring
Overall Dimensions	1170x515x1144 mm	1100x900x1250 mm
Weight (approx.)	225 kg	555 kg