100 kN Flexural (Beams) Frame

EN 12390-5, 1521, 13161, 772-6; ASTM C 78

- ***Open sided for ease of specimen loading***
- ***Meets EN 12390-5, 1521, 13161, 772-6 and ASTM C78 for standard section beams***
- ***Optional ball seating assembly***

This rigidly constructed, open sided frame is suitable for testing 100 mm and 150 mm square-section beams. The frame supports a hydraulic ram and upper sub-platen assembly incorporating a spherical seating. The upper and lower sub-platens will accept various specimen loading bearers, *which are supplied separately*.

Compatibility

These flexural frames can be used with a wide range of ELE compression machines. Simply select one of two fitting kits designed to link the flexural frame to either the ADR-Auto range of compression machines or any other ADR compression machine.

Specification	
Dimensions (l x w x h)	380 x 505 x 845 mm
Vertical clearance with bearers	164 mm
Throat clearance	95 mm
Ram travel	75 mm
Weight	146 kg

Ordering Information

EL37-6130
100 kN Flexural (Beams) Frame
Supplied without specimen bearers.

Accessories

EL37-6135 series
100 kN Flexural Fitting Kit ADR Auto
EL37-6135/01 for 220 – 240 V AC, 50 Hz, 1 ph
EL37-6135/02 for 110 – 120 V AC, 60 Hz, 1 ph

EL37-6138
100 kN Flexural Fitting Kit ADR

EL37-6131
EN Specimen Bearer Assembly comprising 2 self-aligning upper bearers, 1 self-aligning and 1 fixed lower bearer. Roller bearers are 38 mm diameter x 160 mm long. Suitable for 3- or 4-point flexural testing of beams.

EL37-6132
ASTM C78 Specimen Bearer Assembly comprising 2 self-aligning upper bearers, 1 self-aligning and 1 fixed lower bearer; case-hardened, 38 mm diameter x 160 mm long and suitable for 3- or 4-point flexural testing of beams.

EL37-6133
Ball Seating Assembly comprising a ball seating assembly with 150 mm diameter platen and a lower platen 150 mm diameter x 16 mm thick. Suitable for testing low-strength specimens.

Specimen size (effective height)	*Distance pieces required*		
40 mm	2 x 100 mm	1 x 80 mm	
50 mm	2 x 100 mm	1 x 50 mm	1 x 20 mm
70.7 mm	2 x 100 mm	1 x 50 mm	
100 mm	2 x100 mm	1 x 20 mm	

Special Note:
For details of suitable Standard Distance Pieces, see EL37-4980 to EL37-5100.

EL36-0691 Compact 1500 Standard Compression Machine with EL37-6130 100 kN Flexural (Beams) Frame with Accessories

EL37-6133 Ball Seating Assembly