

DATA SHEET

Flexural Frame for Std Beams, 150 kN Cap.



Flexural frame 150 kN cap. complete with loading bearers 50-C0920/FR

General description

A simple and practical frame developed for testing on standard concrete beams. The distance of both pair of loading and support rollers can be easily adjusted: one of the two upper rollers can be removed and the other placed in the centre for centre point loading test.

Main features

- For testing concrete beams having 100x100mm and 150x150mm square sections
- Complete with bearers
- For center and third point loading
- Connectable to control consoles, Wizard, Automax and Pilot compression machines
- Piston return by counterweights

Standards

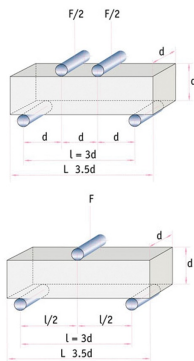
- EN 12390-5
- ASTM C293
- ASTM C78

Specifications

Max. load capacity kN	150 kN / 33 klf
Load sensor	Pressure transducer
Max. vertical clearance mm	158 mm / 6.2 "
Horizontal clearance mm	185 mm / 7.3"
Roller size mm	dia. 40x160 mm / dia. 1.6x6.3"

DATA SHEET

Distance between upper rollers mm	adjustable from 100 to 200 mm or 4" to 6"
Distance between lower rollers mm	300 or 450 mm and 12" or 18"
Piston travel mm	75 mm / 3"
Overall dimensions (lxwxh) mm, frame only	455 x 560 x 960 mm / 18 x 22 x 38 "
Overall dimensions (lxwxl) mm, including pedestal	455 x 560x 1575
Weight approx. kg, frame only	170 kg / 374 lb



Flexural test: two point loading and center point loading

Products

50-C0920/FR

150 kN cap. flexure frame complete with rollers, pressure transducer and connection kit for separate control console.

Accessories and consumables

50-C0920/B

Pedestal for flexure frame model 50-C0920/FR. Total height 615mm.

50-C0920/1

Compression platens dia.165x30mm for flexure frame model 50-C0920/FR

50-C0920/2

Piston travel limit switch for 50-C0920/FR frame.