

Product Name :
Compression Testing Machine Channel Type Load Frame

Product Code :
ENGLABINGCAG360013



Description :

Compression Testing Machine Channel Type Load Frame

Technical Specification :

In these load frames "C" channels are used, they are welded at the top as well as bottom and with stand high loads.
A hydraulic jack is fitted at centre of the base of the load frame, over which can be fitted lower platen and spacer block with the help of centering pin.
A lead screw passes through the top of the frame.
To the lower end of this lead screw is fixed the upper platen with spherical seat for self alignment.
The ram dia. of the machine varies from the requirements of the customer.
The lower pattern are at the base of the frame above the ram and it is rectangular in shape.
The platens are accurately machined, hardened and polished.
The lower platen grooves to correctly place the specimen.
A 20 cm dia. pressure gauge with maximum load induction pointer is fitted on the top panel and in turn is connected to the hydraulic pressure pipe.
On the right hand a console is fitted within which the electrical motor is fitted along with its coupling which in turn is connected to the pumping unit.
A slow / fast loading rate regulator fixed on the top of the console for adjusting the rate of loading.
Sufficient clearance is provided between the platens to fit in the cylindrical/ cube moulds.
Spacer provided to adjust cubes and cylinders.
The machine is duly calibrated.
Optional:

Ranges: 50 kN to 3000 kN

Electrical connection can either be Single Phase on 220 V A.C., or 3 Phase 440 V A.C.

Extra gauges can be attached to the machine (max. 3 nos.), for better accuracy and results.



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