Cement Moulds

LT-CE0035 / 0036 / 0037 / 0038 | Steel specimen moulds

Rigid construction • Demountable parts • Multiple specimen geometries



40 × 40 × 160

PRISM DIMENSIONS • mm

1 / 2 / 3 gangs

NUMBER OF CAVITIES BY MODEL

Prism and cube strength specimens • Two-gang shrinkage mould • Accessories

LT-CE0035 / 0036 / 0037 / 0038

Photographs and Mould Components

Mould cavities, partition pieces and base connections

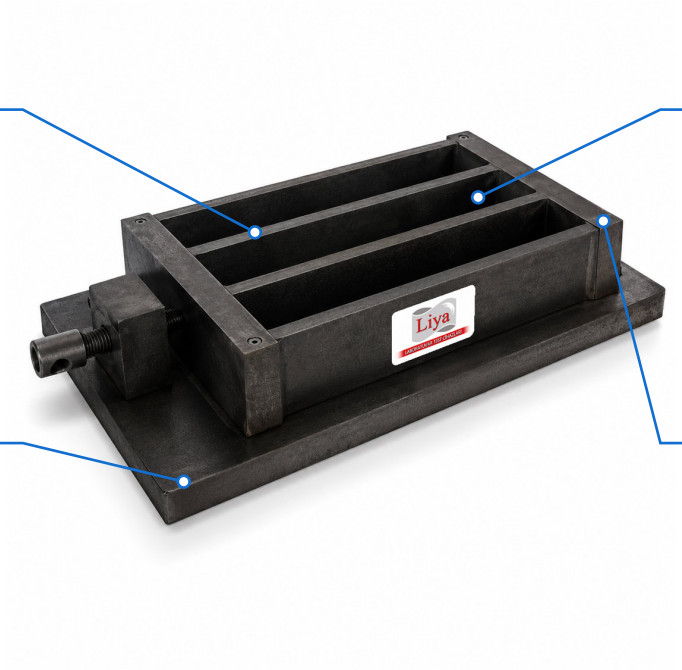
Steel moulds prepare mortar specimens in the geometry required by the selected test. Prism, cube and shrinkage versions serve different applications. Demountable construction supports specimen removal and cleaning.

MOULD CAVITIES

Each cavity forms the specimen geometry. Check dimensions and surface condition before filling.

PARTITION PIECES

Form the boundaries between cavities. Check alignment and contact surfaces during assembly.



BASE PLATE

Lower surface supporting the mould components. Check cleanliness and correct seating of parts.

ASSEMBLY CONNECTIONS

Hold the components in position. Check connections before filling and compaction.



Mould cavities and partition arrangement

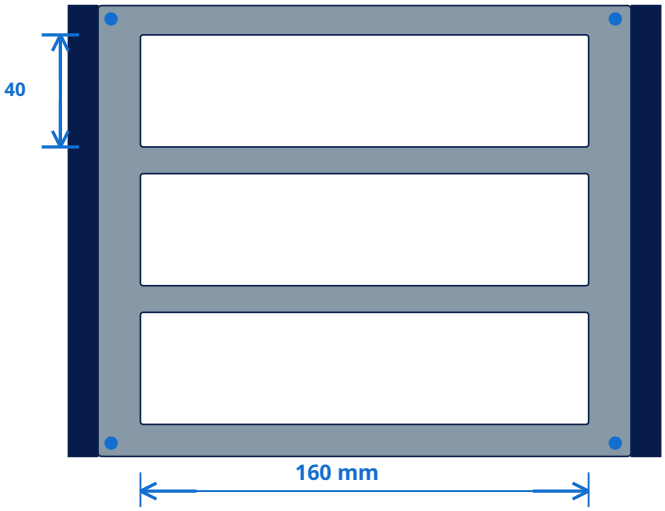


Cube specimen mould option

Three-Gang Prism Preparation Principle

Assemble mould • Fill with mortar • Compact • Cure and demould

LT-CE0035 • SCHEMATIC TOP VIEW



h = 40 mm

EACH CAVITY: 40 × 40 × 160 mm

THREE PRISM SPECIMENS FROM ONE MIX

SCHEMATIC VIEW • NOT TO SCALE

Assemble and Check

Clean and assemble the parts. Check cavity dimensions, connections and seating on the base.

Fill and Compact

Distribute mortar into the cavities to the method. Use a suitable feed hopper and compaction arrangement.

Cure and Demould

Apply the method's initial curing conditions. Open the parts to remove specimens; preserve identification and curing records.

The three-gang prism mould prepares three specimens from the same mortar batch. Check specimen geometry together with filling and compaction conditions. Protecting specimen edges during demoulding supports preparation for subsequent strength tests.

Mould Selection and Specimen Size

LT-CE0035 has three cavities for 40 × 40 × 160 mm prisms. LT-CE0036 has three cavities for 50 mm cubes; LT-CE0037 is a single-gang 70.7 mm cube mould.

LT-CE0038 prepares two 25 × 25 × 285 mm dimensional-change specimens. Distinguish cavity dimensions from overall mould dimensions and select to the model and test method.

Cleaning, Inserts and Records

Remove mortar residue from assembly surfaces. Check closure and mould geometry. Apply release agent according to the relevant method.

Position suitable inserts at the ends of shrinkage specimens. Use the reference rod with an appropriate length measurement arrangement. Record specimen identity, preparation date and curing conditions.

Models, Dimensions and Accessories

Specimen and external mould dimensions in mm • Weight in kg • Cavities by model

Product Code	Mould Type	Gangs	Specimen Size	Dimensions	Weight
LT-CE0035	Prism	3	40 × 40 × 160	300 × 190 × 70	7
LT-CE0036	Cube	3	50 × 50 × 50	110 × 230 × 60	3
LT-CE0037	Cube	1	70.7 × 70.7 × 70.7	100 × 130 × 90	3.5
LT-CE0038	Shrinkage	2	25 × 25 × 285	90 × 340 × 40	4

Product Code	Accessory	Size / Supply
LT-CE0035/1	Feed Hopper	For 40 × 40 × 160 mm mould
LT-CE0038/2	Steel Inserts	Pack of 10
LT-CE0038/3	Reference Rod	305 mm

Specification	Construction / Test References
Construction	Rigid, demountable steel mould
Test References	EN 196-1 • ASTM C109/C109M • BS 4550

Cavity Size, Assembly and Specimen Identity

Choose a mould for the test method. Check cavity dimensions, base seating and connections; associate filling, compaction and curing records with specimen identity.

Specimen Preparation Workflow

01
Select and Assemble
Set up the mould for the specimen geometry.

02
Fill
Distribute mortar to the specified method.

03
Compact and Cure
Apply compaction and initial curing.

04
Demould and Record
Remove carefully and retain specimen identity.

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