

**PLASTIC CUBE, CYLINDER AND BEAM MOULDS**

These one-piece moulds, very appreciated by the user, are made from hard plastic, strong, light, undeformable; resistant to vibrations shocks and wear. They do not require mounting and dismantling operations, thus saving time and labour. They just require a simple clean and demould oiling before being ready for use again for many times. The specimen is expelled from the mould by compressed air or water.

*The moulds: C223, C224, C230N, C232N, C228, C229 are produced by Matest and have competitive manufacturer prices.*

CUBE MOULDS 150 MM SIDE

The cube moulds 150 mm side **“Matest production”** can be supplied in three different models, each one with different characteristics and weight.

All the 3 models have a reinforced band on the walls, and the inside surfaces are very smoothed getting easier the specimen's ejection. Models C223 and C224, Matest made, have also **“reinforced corners”**, granting an additional resistance, and foresee a **“X” reinforced band on the base**, improving the strenght of the mould, and allowing the user to give small blows with a rubber heated hammer (mod.V195) by easing the specimen's ejection. All the moulds are supplied with engraved the logo Matest.

All the moulds are also available unbranded, and on request they can be supplied with engraved the “customer's logo”

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MODELS:

**C223 “Matest production”**

CUBE MOULD, 150 mm side, with “X” reinforced band on the base, and reinforced corners.  
Weight: 1300 g approx.

**C224 “Matest production”**

CUBE MOULD, 150 mm side, “HIGH DENSITY”, with “X” reinforced band on the base and reinforced corners. The mould same to mod. C223 is manufactured from **“high density mixture”** with total weight 1600 g, by obtaining a higher hardness and strength of the plastic material.

- It increases the abrasion resistance, by reducing the wear action.
- It improves the pressure resistance during the specimen's ejection, by reducing mould breakages.
- It ensures a larger number of utilisations (with the same use care).

Weight: 1600 g approx.

Detail of the “X” reinforced band on the base of C223, C224, C232N C235, C237, C238 models

Reinforced corners



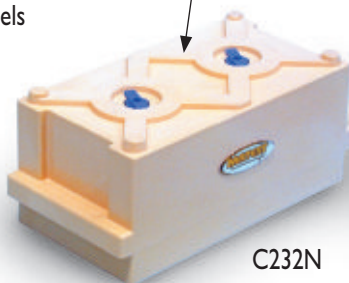
C223 / C224

**C232N “produzione Matest”**

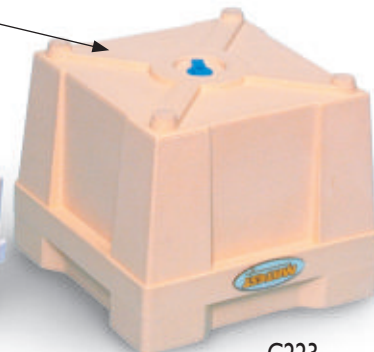
STAMPO per CUBI lato 100 mm a DUE POSTI con rinforzo a “X” sulla base. Le pareti interne hanno una superficie particolarmente liscia e levigata, agevolando la sfomatatura del provino.  
Peso: 1030 g circa



C232N



C232N



C223



C230N

C230-03



C230

C230-01

**C230N “Matest production”**

CUBE MOULD, standard, reinforced band, 150 mm side  
Weight: 1250 g approx

**C230**  
CUBE MOULD, standard, reinforced band, 150 mm side  
Weight: 1260 g approx

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**C235**

CUBE MOULD, 200 mm side, with "X" reinforced band on the base and upper double reinforced walls and corners. Weight: 2550 g approx.

C235



C238

C237

**C237**

BEAM MOULD, 100x100x500 mm sides, with "X" reinforced bands on the base and upper double reinforced walls and corners. Weight: 2100 g approx.

**C238**

BEAM MOULD, 150x150x600 mm sides, with "X" reinforced bands on the base and upper double reinforced walls and corners. Weight: 4400 g approx.

**C228 "Matest production"**

CYLINDER MOULD, dia. 150 x 300 mm with upper and lower reinforced bands. Weight: 2150 g approx.

**C229 "Matest production"**

CYLINDER MOULD, dia. 160 x 320 mm with upper and lower reinforced bands. Weight: 2200 g approx.

**C230-05**

GUN, to connect to a water or air pressure, to eject the specimen from the mould.



C229

C228

ACCESSORIES:

**C223-01** COVER, plastic, for C223, C224 moulds. Useful for transportations. Pack of 10 pcs.

**C234-02** COVER, plastic, for C230N and C230 moulds. Useful for transportations. Pack of 10 pcs.

**C234-03** STOPPER, plastic, to plug the hole of the moulds C223, C224, C228, C230N, C229. Pack of 10 pcs.

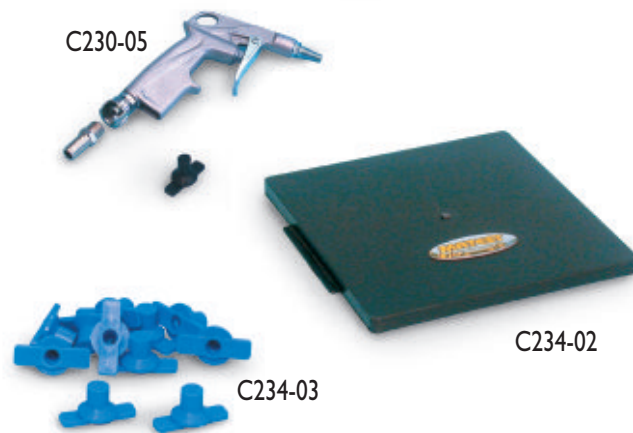
**C230-04** STOPPER, plastic, to plug the hole of the mould C230. Pack of 10 pcs.

**C232-01** STOPPER, plastic, to plug the hole of the mould C232N. Pack of 10 pcs.

**C235-01** STOPPER, plastic, to plug the hole of the moulds C235, C237, C238. Pack of 10 pcs.

**C230-01** FILLING HOPPER, stainless steel made, for an easier filling of fresh concrete into the moulds: C223, C224, C230, C230N. Supplied complete of clamping elastics.

**C230-03** GRASPING PLIERS for C230 and C230N moulds, to get easier the carriage.



C230-05

C234-02

C234-03

**Polystyrene cube moulds**

This cube mould, polystyrene made, is utilized for only one test, because it must be broken when the specimen is demoulded. It gives different advantages:

- it is provided of a top cover keeping inside heat and humidity constant and acting as a curing room
- it protects the specimen as a packing during transport of the same
- it is extremely light
- any trouble concerning the cleaning, demoulding and maintenance of the mould are eliminated.

**C231** Polystyrene cube mould, 150 mm side, one gang. Pack of 40 pieces.

**C231-01**

Polystyrene cube mould, 200 mm side, one gang. Pack of 20 pieces.



C231



**C223-05**

IDENTIFICATION LABEL. Pack of 250 labels

C223-05



**STEEL CUBE, CYLINDER AND BEAM MOULDS**

Nominal moulds dimensions meet to requirements of

STANDARDS: EN 12390-1 / BS 1881:108 / ASTM C192, C39 / AASHTO T23, T126 / NF P18-400 / UNI 6130 / UNE 7240

**Steel cube and beam moulds**

These models of steel cube and beams moulds are extremely sturdy and the inside surfaces are accurately machined.

Nominal dimensions meet to EN 12390-1 requirements

MODELS:

- C247** Cube mould, 100 mm. side, 1 gang. Weight: 6 kg
- C247-01** Cube mould, 150 mm. side, 1 gang. Weight: 13 kg
- C247-02** Cube mould, 200 mm. side, 1 gang. Weight: 25 kg
- C247-03** Cube mould, 300 mm. side, 1 gang. Weight: 90 kg
- C248** Cube mould, 100 mm. side, 2 gangs. Weight: 11 kg
- C248-01** Cube mould, 150 mm. side, 2 gangs. Weight: 30 kg
- C248-02** Cube mould, 200 mm. side, 2 gangs. Weight: 45 kg
- C248-03** Cube mould, 100 mm. side, 3 gangs. Weight: 17 kg
- C248-04** Cube mould, 140 mm. side, 3 gangs. Weight: 30 kg
- C248-05** Cube mould, 150 mm. side, 3 gangs. Weight: 38 kg
- C249** Cube mould, 100 mm. side, 4 gangs. Weight: 20 kg
- C249-01** Cube mould, 150 mm. side, 4 gangs. Weight: 45 kg

**C230-01**

FUNNEL (FILLING HOPPER) for an easier filling of fresh concrete into the cube moulds C247-01, C253-01, C253-03.

Stainless steel sheet made.



**Steel cylinder moulds**

STANDARDS: EN 12390-1 / ASTM C39, C192

AASHTO T23, T126 / NF P18-400 / UNE 7240

Internal surface, base, top and bottom ring are accurately machined.

Models	Dimensions Ø x height	Weight kg
<b>C258</b>	100x200 mm	8
<b>C258-01</b>	112,8x220 mm	8
<b>C258-02</b>	150x300 mm	15
<b>C258-03</b>	6" x 12"	15
<b>C258-04</b>	159,6x320 mm	17
<b>C258-05</b>	250x500 mm	80
<b>C258-06</b>	150x150 mm	10
<b>C258-04 CO</b>	159,6x320 mm fast clamping	18

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C247 ÷ C249-01

- C254** Beam mould 100x100x400 mm. Weight: 20 kg
- C254-01** Beam mould 100x100x500 mm. Weight: 23 kg
- C254-02** Beam mould 150x150x600 mm. Weight: 44 kg
- C254-03** Beam mould 150x150x750 mm. Weight: 47 kg
- C254-04** Beam mould 200x200x800 mm. Weight: 86 kg
- C254-05** Beam mould 140x140x560 mm. Weight: 38 kg



C258 ÷ C258-06



C254 ÷ C254-05



C258-04CO

### Split cylinder moulds

Steel made, galvanized finishing against corrosion.  
Foreseen of lateral hinges for total opening and fast clamping system with inbuilt revolving screw. Complete with base  
They are easy to use with practical and fast demoulding; recommended for field use.

Model	Dimensions Ø x h. (mm)	Weight kg
<b>C259</b>	150x300 mm	8,5
<b>C259-01</b>	160x320 mm	11



C259

C259-01

### Cast iron cube moulds, one gang

STANDARDS: EN 12390-1 / BS 1881:108 / UNI 6127  
DIN 51229

These cube moulds meet the requirements of EN 12390-1 Specifications.  
They are checked in the shape, dimensions and tolerance with instruments certified by an Official SIT Institute (or equivalent), and have a Serial Number marked on each side.  
The produced cube specimens meet the Standards, by avoiding to the enduser any expensive dimensional verification.  
Complete with base plate, clamp type.

Two models are available:

- four part wall equal design
- two part wall "V" shaped, offering more practical and fast use.



C253-03 DISASSEMBLED

C253-01

C253

C253 DISASSEMBLED

MODELS:

- C253** CUBE MOULD 100 mm cast iron, "four part design"  
Weight: 8,3 kg
- C253-01** CUBE MOULD 150 mm cast iron, "four part design"  
Weight: 15,5 kg
- C253-02** CUBE MOULD 100 mm cast iron, "two V shaped part design"  
Weight: 8,3 kg
- C253-03** CUBE MOULD 150 mm cast iron, "two V shaped part design"  
Weight: 15,5 kg

ACCESSORIES FOR MOULDS:

- C180-02** TAMPING ROD, 16 mm dia. x 610 mm. long.
- C261** TAMPING BAR, 25 mm. square area x 380 mm long.
- C262** STRAIGHT EDGE, 460 mm long.
- V178-01** WIRE BRUSH, used to clean moulds.
- C265** DEMOULDING OIL. Can of 25 litres
- V184-01** ROUND ALUMINIUM SCOOP 1000 ml capacity
- V187** TROWEL STAINLESS STEEL 120x260 mm
- V195** RUBBER MALLET, head dia. 55 mm
- V182** MIXING TRAY, galvanized 600x600x80 mm



C180-02 ÷ V195

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MATEST