Concrete Flow Table Test Set

LT-C0023 | Flow table, flow mould and tamping bar

Hinged table • Two perpendicular diameter measurements • EN 12350-5



700 × 700 mm

FLOW TABLE DIMENSIONS

EN 12350-5

RELEVANT TEST METHOD

Fresh concrete consistency • Ø210 mm centre marking • Manual test procedure

LT-C0023

Photographs and Set Components

Hinged metal table, flow mould and square-section tamping bar

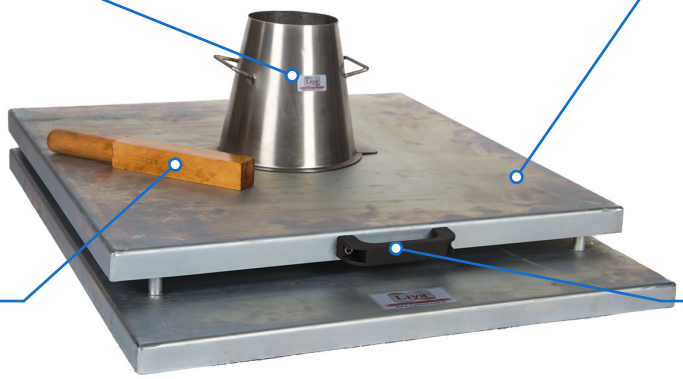
The LT-C0023 combines a table, flow mould and tamping bar for evaluating fresh concrete consistency by the flow table method. Prepare the specimen in the mould; after lifting the mould, controlled table drops cause the concrete to spread.

FLOW MOULD

Top diameter Ø130 mm, base diameter Ø200 mm and height 200 mm shape the specimen before testing.

METAL TABLE

The 700 × 700 mm corrosion-resistant surface provides a working area for spreading and measurement.



TAMPING BAR

The 40 × 40 × 335 mm square-section bar is used to compact the specimen inside the mould.

LIFTING ARRANGEMENT

Raise and release the hinged table manually; apply the dropping movement for the test method.



Flow mould and square-section tamping bar

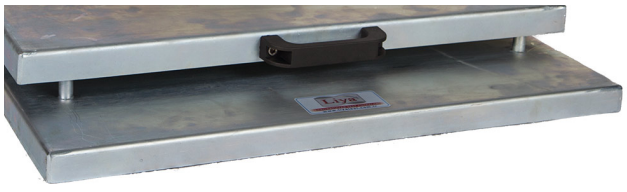


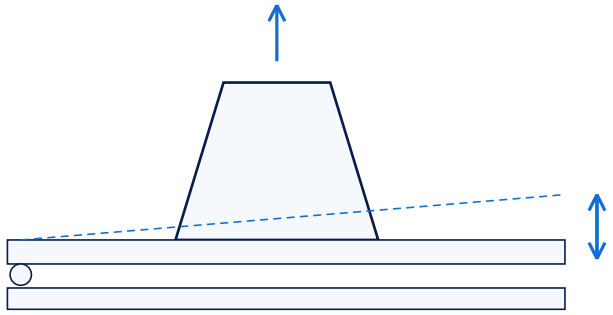
Table lifting handle and lower frame

LT-C0023

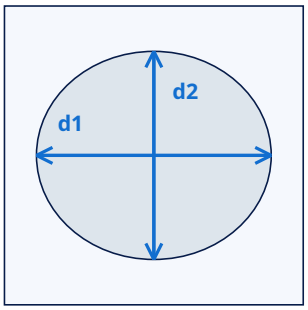
Operating Principle and Flow Measurement

Prepare the specimen • Lift the mould • Drop the table • Measure two diameters

LIFT THE MOULD VERTICALLY



TOP VIEW AFTER CONCRETE SPREADS



f = (d1 + d2) / 2

SCHEMATIC • NOT TO SCALE

Fill and Compact the Mould

Centre the mould. Fill in two equal layers, compact the sample and level the top surface.

Lift the Mould, Drop the Table

Lift the mould vertically. Raise and release the hinged table in the sequence and rhythm of the method.

Measure Perpendicular Diameters

After spreading, measure d1 and d2 in perpendicular directions and calculate the mean.

The mould forms the initial specimen shape. After lifting the mould, the dropping movements of the hinged table cause concrete to spread across its surface. Evaluate the mean of the two perpendicular diameter readings as the concrete flow value.

Result: Mean of Two Diameters

f = (d1 + d2) / 2

d1 and d2: perpendicular flow diameters (mm)
f: mean flow value (mm)

Record both measurements for the same test. Assess the flow value together with the mixture composition and observations of segregation.

Prepare the Specimen and Table

Place the table on a firm, level base. Clean the table surface and mould; position the mould on the Ø210 mm centre marking.

Apply layer filling, compaction and table drops according to EN 12350-5. Use the same preparation procedure for each test.

Specifications and Set Contents

LT-C0023 complete set • Table, mould and tamping bar

Product Code	Component	Size (mm)	Feature
LT-C0023	Complete test set	-	Table + mould + bar
LT-C0023/1	Flow table	700 × 700	Corrosion-resistant
LT-C0023/2	Flow mould	Ø130 × Ø200 × 200	1.5 mm thickness
LT-C0023/3	Tamping bar	40 × 40 × 335	Square section

Technical Feature	Value / Function
Centre Reference Marking	Ø210 mm diameter reference marking
Table Movement	Hinged; manual lifting and release
Mould Geometry	Top Ø130 mm; base Ø200 mm; height 200 mm
Specimen Preparation	Filling and compaction in two equal layers
Result Evaluation	Mean of two perpendicular flow diameters
Relevant Test Method	EN 12350-5

Repeatable Test Conditions

Table stability, mould centring, layer compaction and dropping movements affect the measurement. Prepare the specimen for the method; record both diameters and any observed segregation.

Test Preparation and Use Workflow

01
Centre the Mould
Position on a clean, level table.

02
Fill and Compact
Prepare two layers and level the top.

03
Lift and Drop
Lift the mould; apply the table movement.

04
Measure Diameters
Calculate the mean of two perpendicular diameters.

Product Page | liyatest.com.tr/en/urun/concrete-flow-table-test-set/