Cylinder Capping Set

LT-C0031 | Plane cap surfaces perpendicular to the specimen axis

Rigid steel frame • Alignment support • Interchangeable plates



Ø100 / 150

STANDARD PLATE DIAMETERS (mm)

Ø75 mm

OPTIONAL PLATE DIAMETER

ASTM C617/C617M • 20 × 20 × 30 cm • 7.5 kg

LT-C0031

Photographs and Components

Steel frame, vertical supports, base plate and specimen positioning

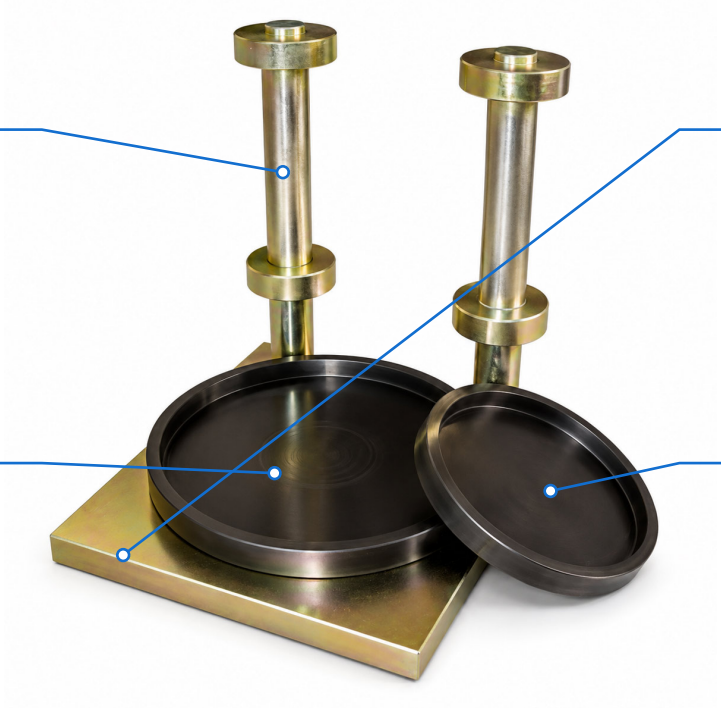
The cylinder capping set prepares concrete cylinder end surfaces before compression testing. The rigid frame supports vertical alignment; a suitable base plate helps the capping material form a plane loading surface.

VERTICAL SUPPORTS

The support arrangement facilitates positioning and centring the cylinder in alignment with its axis.

STEEL FRAME

The rigid steel structure supports retention of specimen position during capping.



BASE PLATE

Capping material forms on a plate selected for specimen diameter. Ø100 and Ø150 mm plates are standard.

DIAMETER OPTIONS

In addition to the standard diameters, a Ø75 mm base plate is available as an option.



Vertical supports and alignment arrangement



Base plate forming the cap surface

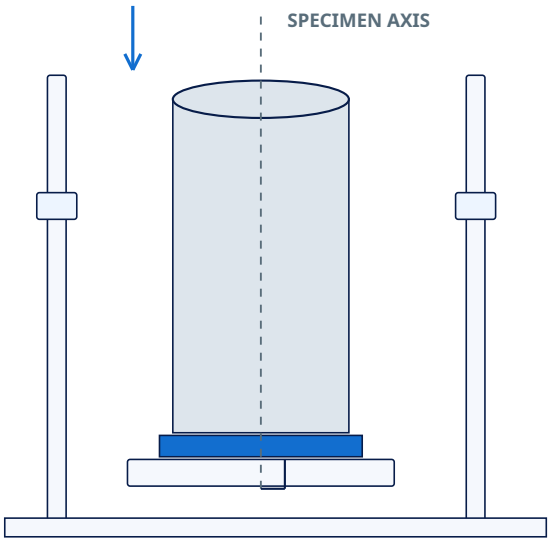
LT-C0031

Operating Principle and Cap Preparation

Select the plate • Prepare material • Position vertically • Check the cap

CAPPING • SCHEMATIC SECTION

CONCRETE CYLINDER SPECIMEN



CAPPING MATERIAL

BASE PLATE

PLANE CAP SURFACE • PERPENDICULAR ALIGNMENT

Prepare Plate and Material

Select and clean the plate for specimen diameter. Prepare capping material according to the chosen method.

Centre and Position

Apply capping material to the plate. Centre the cylinder and lower it vertically onto the material.

Check Both Ends

Remove the specimen when the cap has adequate strength. Prepare the other end; check flatness and alignment.

Capping corrects end-surface irregularities with suitable material, supporting uniform transfer of compression load to the specimen. Check cap flatness, parallelism and perpendicularity to the specimen axis before compression testing.

Diameter Selection and Bench Use

The set includes base plates for Ø100 and Ø150 mm concrete cylinders. A Ø75 mm plate is optional. Select the plate for specimen diameter and keep plate and frame surfaces clean.

Overall dimensions of 20 × 20 × 30 cm and a weight of 7.5 kg support bench-top specimen preparation. Position the frame on a firm surface and keep the specimen centred and vertical.

ASTM C617/C617M and Final Check

ASTM C617/C617M covers methods for bonded caps on concrete cylinder and core ends. Select capping material, preparation steps and strength requirements according to the relevant method.

Check the caps at both ends. Assess loading-surface suitability before compression testing under EN 12390-3; clean the plate after use.

LT-C0031

Specifications and Use Workflow

LT-C0031 • Capping set for concrete cylinder specimens

Technical Feature	Value / Description
Product Code	LT-C0031
Product Name	Cylinder Capping Set
Main Use	End-surface preparation before compression testing
Frame Construction	Rigid steel frame
Specimen Positioning	Centring with vertical supports
Standard Base Plates	Ø100 mm and Ø150 mm
Optional Base Plate	Ø75 mm
Cap Surface	Plane and perpendicular to the specimen axis
Overall Dimensions	20 × 20 × 30 cm
Weight	7.5 kg
Capping Reference	ASTM C617/C617M
Compression Test Reference	EN 12390-3

Plate Selection and Cap Quality

Use a base plate suitable for specimen diameter. Once the capping material has adequate strength, check flatness, parallelism and perpendicularity to the specimen axis.

Capping and Specimen Preparation

01
Select and Clean
Choose the plate for diameter; clean surfaces.

02
Prepare Material
Prepare capping material to the selected method.

03
Position Vertically
Centre the cylinder and form the cap.

04
Check
Prepare the other end; check cap surfaces.

Product Page | liyatest.com.tr/en/urun/cylinder-capping-set/