Neoprene Test Pads

LT-C0050 / C0051 | Metal retainers and matching neoprene pads

Unbonded capping • Use with metal retainers • Reusable pads



Ø100 mm

PAD AND RETAINER OPTION

Ø150 mm

PAD AND RETAINER OPTION

Concrete cylinders • ASTM C1231/C1231M • Suitable hardness and reuse limits

Photographs and Components

Metal cap retainers and separate neoprene pads

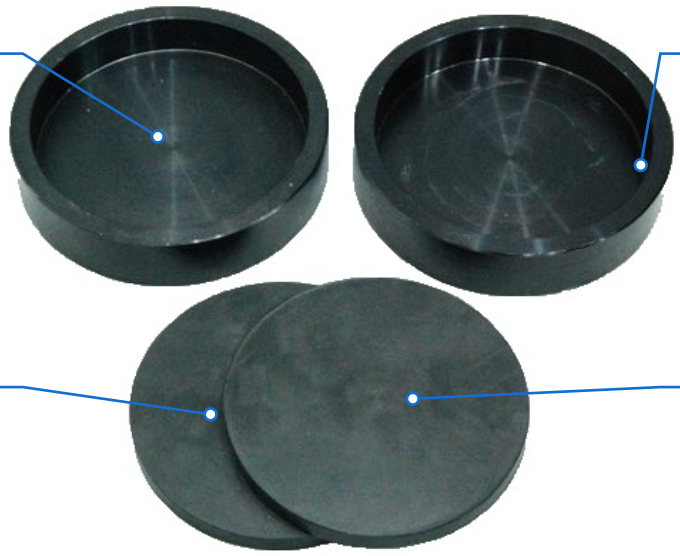
Neoprene pads are used with metal retainers for unbonded capping of concrete cylinders. The resilient pad helps accommodate minor specimen-end irregularities. The retainer maintains pad positioning and provides lateral restraint during loading.

METAL CAP RETAINER

Place the pad inside a suitable metal retainer; the retainer fits into the compression loading arrangement.

RETAINER SIDE WALL

The retainer limits lateral spreading of the pad under load and maintains its position.



NEOPRENE PAD

The resilient contact surface accommodates small specimen-end variations and supports load transfer.

TWO DIAMETER OPTIONS

Match Ø100 or Ø150 mm pad and retainer options to the specimen diameter.



Metal retainer seating surface and surrounding wall



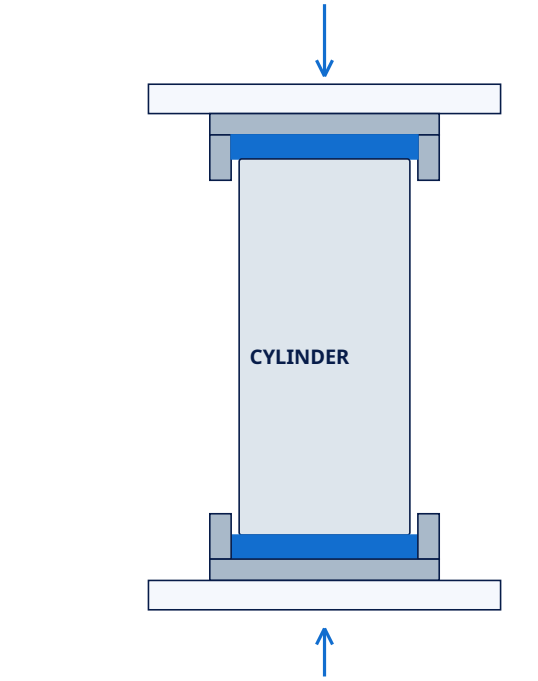
Separate neoprene pads for insertion into retainers

LT-C0050 / LT-C0051

Load Transfer through Pad and Retainer

Compression platen • Metal retainer • Neoprene pad • Concrete cylinder

AXIAL LOAD FROM THE TEST MACHINE



CAPS ON BOTH ENDS • SCHEMATIC

Check Pad Compatibility

Select a pad and retainer for the cylinder diameter. Check pad hardness and permitted use.

Position the Cap

Seat the pad in its retainer. Fit caps to the checked specimen ends and centre the cylinder.

Load and Inspect

Test using the applicable compression method. Inspect the pad afterwards and update its use record.

Machine load passes through the metal retainer and neoprene pad into the specimen end. The pad accommodates minor surface variations; the retainer restrains lateral pad deformation. The schematic shows caps on both ends; configure testing for the selected method.

Capping and Method Compatibility

ASTM C1231/C1231M covers unbonded caps for hardened concrete cylinders. AASHTO T 22 covers compressive strength testing of concrete cylinders.

Assess pad hardness, specimen strength and permitted reuse together. Carry out qualification where required by the applicable method.

Inspection and Reuse

Pads can be reused within the limits of the applicable method. Check for cracks, excessive deformation and physical damage before every test.

Track the number of uses and replace unsuitable pads. Also verify specimen-end suitability, retainer cleanliness and centring.

Specifications and Product Selection

Ø100 and Ø150 mm • Matching pads and metal retainers

Product Code	Product / Component	Diameter (mm)	kg
LT-C0050	Metal cap retainer	Ø150	0.5
LT-C0051	Metal cap retainer	Ø100	0.5
LT-C0050/1	Neoprene pad	Ø150	0.5
LT-C0051/1	Neoprene pad	Ø100	0.5

Technical Feature	Value / Function
Specimen Type	Concrete cylinder
Capping Method	Unbonded cap; metal retainer + neoprene pad
Ø150 mm Pairing	LT-C0050 retainer + LT-C0050/1 pad
Ø100 mm Pairing	LT-C0051 retainer + LT-C0051/1 pad
Method Reference	ASTM C1231/C1231M; AASHTO T 22

Suitable Pads and Test Arrangement

Select pad hardness and permitted reuse for specimen strength and the applicable method. Pad and retainer must match the same diameter configuration; inspect specimen ends before testing.

Use Workflow

01
Select the Diameter
Match pad and retainer to the specimen.

02
Seat the Pad
Place the pad evenly in a clean retainer.

03
Load the Cylinder
Fit caps and centre the specimen.

04
Inspect the Pad
Check damage and update the use record.

Product Page | liyatest.com.tr/en/urun/neoprene-pads/