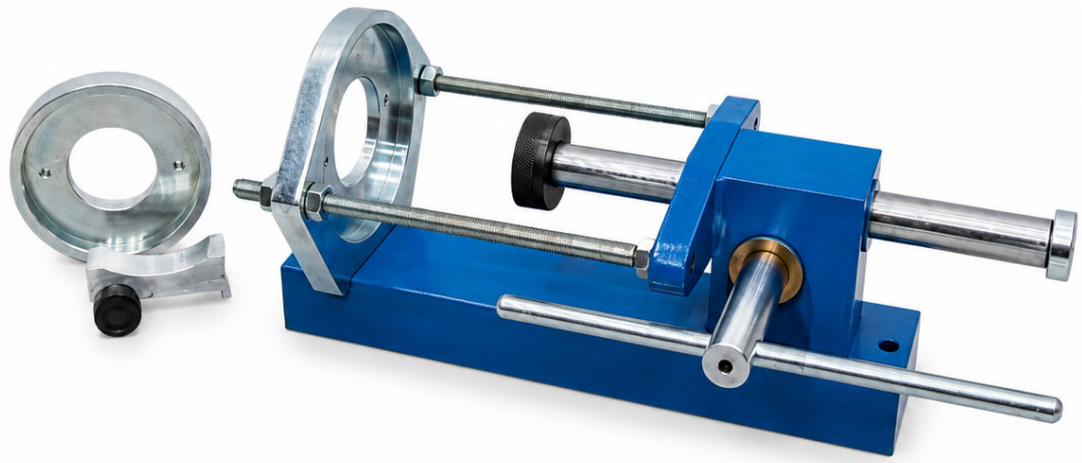
Sample Extruder

LT-R0080 | Specimen removal from Hoek Cells and compatible moulds

Manual operation • Axial pushing • Interchangeable adapters



30 kN

MAXIMUM EXTRACTION FORCE

Ø35-101.6

SPECIMEN DIAMETER / MM

Compact frame • 47 × 22 × 20 cm • 13 kg • No electrical supply required

Photographs and Components

Pushing shaft, front support ring, adjustment connections and interchangeable adapter

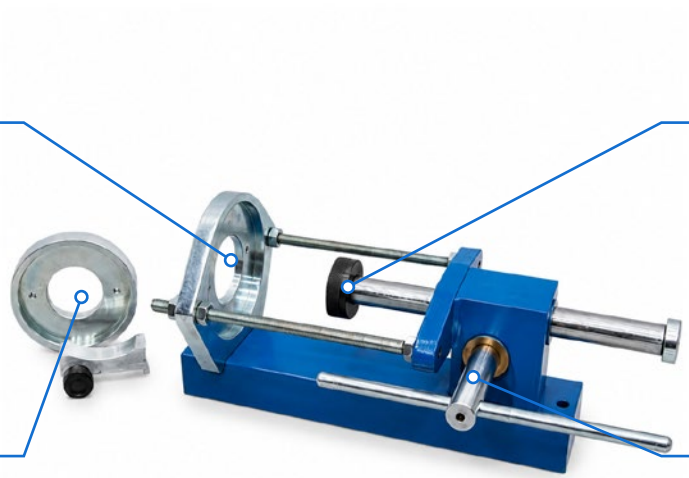
The LT-R0080 Sample Extruder pushes cylindrical specimens axially out of compatible cells or moulds. Manual control and an appropriate adapter align the mould with the pushing shaft. Its compact frame fits readily into the specimen preparation area.

FRONT SUPPORT RING

Supports the mould or cell while leaving an opening for the specimen to exit.

PUSHING SHAFT AND TIP

The pushing tip transfers axial force to the rear face of the specimen to drive it out.

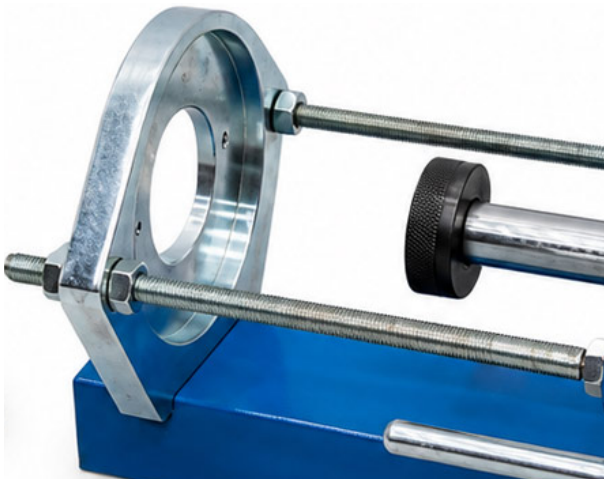


INTERCHANGEABLE ADAPTER

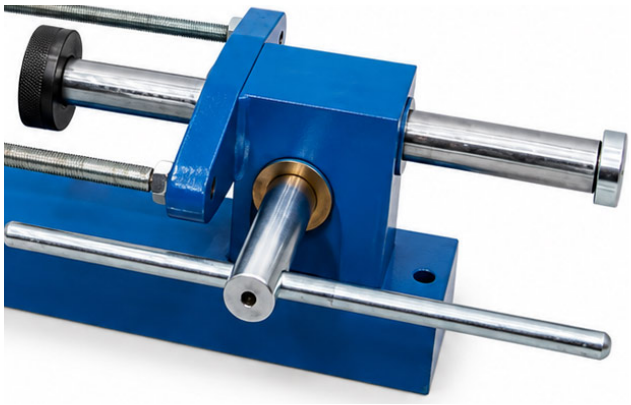
Select the separate ring and support component for the mould and specimen diameter.

MANUAL CONTROL

The handle and shaft arrangement allows the operator to control extraction movement.



Front support ring, pushing tip and adjustment connections

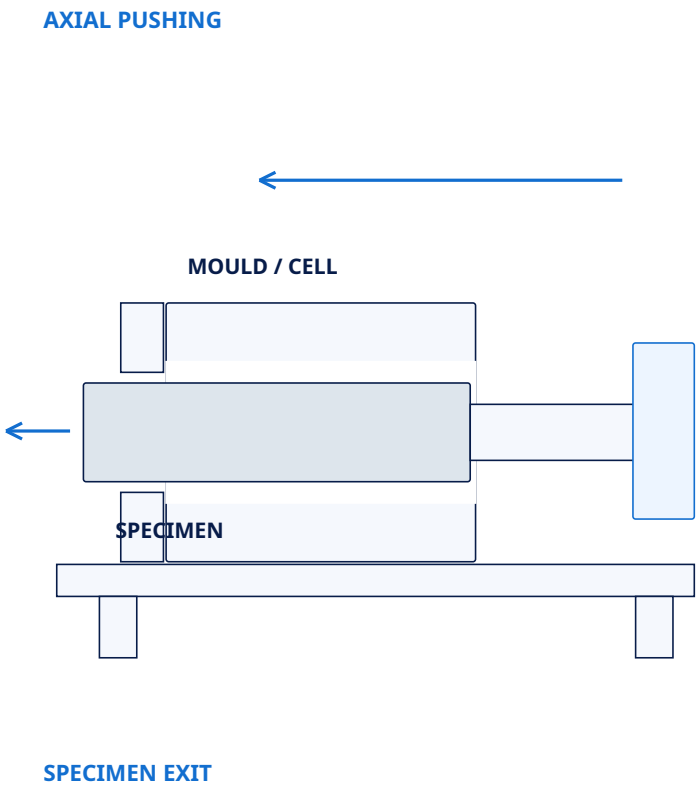


Manual control handle, shaft and blue frame

LT-R0080

Controlled Specimen Extraction

Support the mould • Align the pushing tip • Extract the specimen axially



Position Adapter and Mould

Select an adapter for the specimen diameter. Position the mould or cell against the support ring.

Align the Pushing Tip

Align the tip with the specimen axis. Adjust the connections for the specimen and mould length.

Extract Gradually

Apply manual movement progressively. Support the emerging specimen and inspect its surface.

The pushing shaft applies force to the rear face of the specimen. The mould or cell is held against a support while the specimen exits through the front opening. Axial alignment and controlled movement reduce unwanted loading during extraction.

Hoek Cell and Core Adapters

BX, NX and HQ type adapters are used for compatible rock cores. Selecting the correct part for the specimen diameter and cell supports proper alignment.

Ring and tamper adapters provide further options for compatible mould arrangements.

Protect the Specimen and Keep Parts Clean

Clean the mould, adapter and pushing surfaces before operation. Keep the specimen aligned and apply extraction movement progressively.

Support the emerging specimen. Check for cracks, surface damage and geometry before the next test.

LT-R0080

Technical Specifications

LT-R0080 • Force, specimen diameter, frame dimensions and adapter options

Technical Feature	Value / Function
Product Code	LT-R0080
Maximum Extraction Force	30 kN
Specimen Diameter Range	Ø35-101.6 mm
External Dimensions	47 × 22 × 20 cm
Weight	13 kg
Operation	Manual control
Extraction Movement	Pushing along the specimen axis
Pushing Tip Position	Adjustable for specimen length
Core Adapters	BX, NX and HQ
Additional Adapters	Ring and tamper adapters
Application	Compatible Hoek Cells and cylindrical moulds
Electrical Supply	Not required

Adapter and Specimen Compatibility

Select the adapter for the mould or cell and specimen diameter. Align the pushing axis correctly when extracting rock cores or compatible cylindrical specimens; support the specimen as it emerges.

Specimen Extraction Workflow

01
Select Adapter
Select a part for the specimen and mould.

02
Position Mould
Support the mould and align the pushing tip.

03
Extract Specimen
Apply manual movement progressively.

04
Inspect Specimen
Support the exit; check surface and geometry.

Product Page | liyatest.com.tr/en/urun/sample-extruder/