

DATA SHEET

Motorized Horizontal Sample Extruder



Motorized Horizontal Sample Extruder

General description

Hydraulic Horizontal Sample Extruder ejects undisturbed soil samples from full-size thin-walled samplers (Shelby Tubes) in one stroke. It is used in sample preparation for a variety of soil tests including triaxial, permeability, direct shear, consolidation, unconfined compression, and more in combination with soil lathe and trimmer. The smooth, easily controlled piston stroke permits easy handling and rapid processing of samples. The extruder can apply up to 70 kN of force to eject even stubborn samples. The hydraulic system precisely controls the horizontally mounted piston. The unit comes with a sample receiving trough to ensure minimal disturbance while ejecting and logging samples.

Adaptors have to be ordered separately.

If you don't find the adapter kit suitable for your moulds/sampling tube dimension custom size are available on request.

Main features

- High capacity up 70 kN allows to eject most stubborn of samples
- Compliant with ASTM Standard D1587-15 in terms of length and sample diameters (2"-3").
- Save spacing, once the extruder is not in use in can be adjusted in vertical position to reduce space occupied in the lab.
- Efficient tube fitting system, allows easily positioning of the sampling tube before the extruding process.
- Includes Sample Receiving Trough to ensure minimal disturbance while ejecting and logging samples.

Standards

- ASTM D1559
- AASHTO T245
- AASHTO T193
- EN 12697-30
- ASTM D1883
- ASTM D698
- BS 1377:4
- BS 1924:2
- BS 598:107
- ASTM D1557

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- AASHTO T134
- AASHTO T180
- EN 13286-2
- ASTM D1587-15
- EN 13286-47

Specifications

Max extrusion force: 70kN

Travel Ram: 1050 mm

Min. Diameter: 35 mm

Max. Diameter: 152.4 mm (6")

Dimensions:

Working configuration: W 3245 x D 465 x H 1345 mm

Space reduction configuration: W 1565 x D 465 x H 1220 mm

Weight: approx. 160 kg

Power: 750 W

Power supply:

220V-50Hz-1ph ;

110V-60Hz-1ph ;

220V-60Hz-1ph



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Products

16-T0083/M

Horizontal motorized extruder. 220V,50Hz, 1ph

16-T0083/MZ

Horizontal motorized extruder. 110V,60Hz, 1ph

16-T0083/MY

Horizontal motorized extruder. 220V,60Hz, 1ph

Accessories and consumables

16-T008X/1

Adaptor Set for 2" (50,8mm) Outer Dia Shelby Tubes

16-T008X/2

Adaptor Set for 2.5" (63.5mm) Outer Dia Shelby Tubes

16-T008X/3

Adaptor Set for 3" (75mm) Outer Dia Shelby Tubes

16-T008X/4

Adaptor Set for 3 1/4" (83mm) Outer Dia Shelby Tubes

16-T008X/5

Adaptor Set for 3" 1/2" (88.9mm) Outer Dia Shelby Tubes

16-T008X/6

Adaptor Set for 4" (101.6mm) Outer Dia Shelby Tubes

16-T008X/7

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Adapter set for 150 mm & 152.4 mm (6") inner dia mould

16-T008X/8

Adapter set for 100 mm & 101.6 mm (4") inner dia mould

16-T008X/9

Adapter set for 70 mm inner dia mold

16-T008X/10

Adapter set for 50 mm inner dia mold

16-T008X/11

Adapter set for 38 mm inner dia mold

16-T008X/12

Adapter set for 35 mm inner dia mold