



Horizontal Sample Ejector

## Horizontal Sample Ejector

Hydraulically driven horizontal sample ejector is designed for rapid ejection of 3" (76.2mm) x 30" (762mm) soil samples from thin-wall sample tubes (Shelby Tubes). The Horizontal Sample Ejector provides a smooth and easily controlled piston stroke providing easy and rapid handling of ejected samples. The unit's hydraulic system accurately controls the horizontal piston's 5600lbf (24.9kN) force to eject samples smoothly. Ejector uses 1.7gpm hydraulic pump powered by a 1hp electric motor. Hydraulic oil reservoir provides 2.5gal (9.5L) capacity.

This ejector can also be used with 2 or 2.5" Shelby Tube samples using the corresponding conversion kit, see chart below. Ejector comes with (1) sample trough to support ejected samples.

Overall dimensions w/o sample trough are: 84" (2134mm) L x 23" (584mm) W x 18" (457mm) H.

Shipping wt. 340 lbs (154kg)

Individual Components	
Sample Trough	H-4185.VT
Round Sample Trough for Soft Soils	H-4185.RT
Conversion Kit for 2" Sample Tube	H-4185.2
Conversion Kit for 2-1/2" Sample Tube	H-4185.3

## Operating Instructions

1. Set hydraulic unit and extruder on flat, level surface.
2. Plug into 110V outlet.
3. Place shelby tube into rear reaction plate and rest in cradle.  
(Cutting edge toward pusher)

**Note: Make sure shelby tube aligns with pusher before starting.**

**Use set screw in cradle cut-out for fine adjustment if necessary.**

4. Turn on-off switch to ON position
5. Push valve lever in direction of desired pusher movement.

## Warranty

Humboldt Mfg. Co. warrants its products to be free from defects in material or workmanship. The exclusive remedy for this warranty is Humboldt Mfg. Co., factory replacement of any part or parts of such product, for the warranty of this product please refer to Humboldt Mfg. Co. catalog on Terms and Conditions of Sale. The purchaser is responsible for the transportation charges. Humboldt Mfg. Co. shall not be responsible under this warranty if the goods have been improperly maintained, installed, operated or the goods have been altered or modified so as to adversely affect the operation, use performance or durability or so as to change their intended use. The Humboldt Mfg. Co. liability under the warranty contained in this clause is limited to the repair or replacement of defective goods and making good, defective workmanship.

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