

AUTOMATIC SOIL COMPACTOR

This machine is designed to automatically compact soil samples for proctor testing in a quick and efficient manner. This machine replaces older time consuming hand compaction with a tamper testing. This unit is used for standard or modified tests. The rammer weight is adjustable from 5-1/2 to 10 lbs and the drop height can be set for either 12" or 18". The compactor accommodates either 4" or 6" molds. The unit is equipped with an automatic counter that shuts off the machine after a preset number of blows have been met. The molds are mounted on a circular base and are rotated throughout the process to assure good compaction of the entire soil surface. The compactor is furnished complete with a 4" and a 6" mold, and a 5-1/2 lb. and a 10 lb hammer. The 5-1/2 lb hammer has a circular face and the 10 lb hammer has a pie shaped face for 6" molds. The **S3391** & **S3392** are very similar to the aforementioned compactors. The difference is a 25" instead of a 14" clearance and they also cannot use the 5-1/2 lb round or pie shape hammer. This compactor was developed specifically for California in which a mold 16" in height is used. Hogentogler recommends the **S3361** & **S3362** unless there is a specific need.



MODELS	DESCRIPTION	POWER	STANDARDS
S3361	AUTOMATIC SOIL COMPACTOR	110V / 60 Hz	ASTM D-558, D-559, D-560 D-698, D-1557, D-1558 AASHTO T-99, T-134, T-135 T-136, T-180
S3362		220V / 50 Hz	
S3391	CALIFORNIA SOIL COMPACTOR FOR 4" & 6"	110V / 60 Hz	
S3392		220V / 50 Hz	

ACCESSORIES	DESCRIPTION
S3363	CALIBRATION KIT W/ DIAL & 50 LEAD CYLINDERS
S3364	MOLD, PLAIN, 4"
S3365	MOLD, SPLIT, 4"
S3366	MOLD, PLAIN, 6"
S3367	MOLD, SPLIT, 6"
S3368	ROUND HAMMER
S3369	PIE-SHAPED HAMMER

CORE EJECTORS

The **S3415** Vertical Core Ejector is used for removing soil cores from molds or tubes. The mold is placed in the frame and the core is extruded by a hydraulic jack. The ejector is designed for 6" diameter cores with adapters for 2", 3", and 4". The **S3421** Horizontal Core Ejector is designed for 2" and 3" O.D. tubes. It is a mechanical type for thin wall sample tubes. The ejector has a two-speed gear box jack and can be used with samples up to 36" long. Also furnished with this ejector are piston and grips for 2" and 3" O.D. tubes. Also available is an adapter (**S3425**) for 2-1/2" tubes. The **S3431** & **S3432** Motorized Core ejector is for fast ejection of soil cores used with 2" and 3" thin wall tubes up to 36" long. Since there is no cutting involved the tubes can be reused. The ejector is designed for use in a vertical position but can be used in horizontal position with the aid of the **S3435** Trough. The hydraulic cylinder is operated by an electric pump with control valve to regulate travel speed and for fast retraction.



MODELS	DESCRIPTION
S3415	VERTICAL CORE EJECTOR
S3421	HORIZONTAL CORE EJECTOR
S3431	MOTORIZED CORE EJECTOR, 115V / 60 Hz
S3432	MOTORIZED CORE EJECTOR, 230V / 50 Hz

ACCESSORIES	DESCRIPTION
S3425	ADAPTER SET FOR 2-1/2" O.D. FOR S3421
S3435	TROUGH, FOR S3431 & S3432

