

## CUBE MOLDS

These molds are for preparing 2" square cement mortar specimens for compressive strength testing. The molds are three gang models that are available in bronze and stainless steel construction. They are precision machined for a tight fit. They have quick acting clamps and are easily separated into two sections for quick specimen removal. Please note the **C2020** does not meet ASTM or AASHTO standards. The **C2035** 3-gang mold is used to prepare 2" diameter by 4" long cylindrical cement mortar specimens for compressive strength testing. The molds are three gang models that are available in bronze and stainless steel construction. They are precision machined for a tight fit. They have quick acting clamps and are easily separated into two sections for quick specimen removal.



MODELS	DESCRIPTION	STANDARDS
<b>C2020</b>	POLYETHEYLENE PLASTIC MOLD W/ DETACHABLE BASE	N / A
<b>C2021</b>	FORGED BRONZE W/ DETACHABLE BASE	ASTM C-109 / AASHTO T-106
<b>C2021A</b>	BRASS W/ DETACHABLE BASE	
<b>C2022</b>	FORGED BRONZE W/O DETACHABLE BASE	
<b>C2025</b>	FORGED BRONZE W/ BASE & TOP PLATE	ASTM C-31, C-39, C-192
<b>C2035</b>	3-GANG CYLNIDER MOLD, BRONZE	
<b>C2023</b>	3-GANG CYLNIDER MOLD, ST. STL. W/ DETACHABLE BASE	

ACCESSORIES	DESCRIPTION
<b>C1155</b>	TAMPER, NON-METALLIC
<b>C2027</b>	COVER PLATE FOR <b>C2021</b> & <b>C2023</b>
<b>C2028</b>	CUBE MOLD COVER PLATE, BRASS

## CUBE MAKER KIT

The **C2041** Cube Maker Kit for 2" mortar cubes is the most economical mold system available for reproducible and accurate results. The mold is constructed of a durable brass frame with removable polypropylene water tight disposable liners. The mold also requires no cleaning, just insert a new liner. Also included with the kit, are capping accessories.



MODELS	DESCRIPTION
<b>C2041</b>	CUBE MAKER KIT FOR 2" MORTAR CUBES

ACCESSORIES	DESCRIPTION
<b>C2042</b>	EXTRA CUBE MOLD
<b>C2043</b>	EXTRA LINERS, 198 COUNT
<b>C2044</b>	RETAINER CAPS, SET OF 2
<b>C2045</b>	COMPRESSION PADS, SET OF 4
<b>C2052</b>	MOLD RELEASE, SILICONE, 18 OZ

## HEAVY DUTY SPLIT MOLDS



These molds are reusable heavy duty split molds for forming concrete compression test specimens in the field or the laboratory. The molds have a 1/4" wall thickness with a vertical opening along one side that is held together by two swivel clamps that loosen to allow easy specimen removal. The mold is held firmly to a base plate by two threaded studs and wing nuts.

MODELS	DESCRIPTION	STANDARDS
C2053	SPLIT MOLD, 3" X 6"	ASTM C-31, C-39, C-192, C470 / AASHTO T-22, T-23, T-126, T-198
C2054	SPLIT MOLD, 4" X 8"	
C5031	SPLIT MOLD, 6" X 12"	
C5033	SPLIT MOLD, 6" X 12", W/ TOP	

## SINGLE USE CYLINDER MOLDS

These are single use molds for making cylindrical concrete test specimens in the field or laboratory. The cardboard molds have firmly attached steel bottoms and are waxed on the inside to retain moisture and for ease of stripping. The plastic molds also retain moisture and do not adhere to the specimen. The C5097 Econo-O-Cure Field Curing System uses a thermostatically controlled heater with air circulating fan to assure consistent and evenly distributed heat. The unit holds up to eight 6" x 12" concrete test cylinders and is constructed from advanced polymers and vinyls with 1/2" cooler foam. The plastic molds are easily stripped using the C5088 stripping tool.



## CARDBOARD

MODELS	DIMENSIONS	QTY	STANDARDS
C2062	2" X 4"	100	ASTM C-31, C-39, C-192, C470 / AASHTO T-22, T-23, T-126, T-198
C2063	3" X 6"	100	
C2064	4" X 8"	100	
C5081	6" X 12"	24	

LIDS	DESCRIPTION
C5082A	FLAT LID / LIPPED, FOR C5081
C5082B	DOMED LID / SMALL LIP, FOR C5081
C5082C	FLAT LID / SMALL LIP, FOR C5081

## PLASTIC

MODELS	DIMENSIONS	QTY	STANDARDS
C2070	2" X 4"	75	ASTM C-31, C-39, C-192, C470 / AASHTO T-22, T-23, T-126, T-198
C2071	3" X 6"	80	
C2075	4" X 8"	36	
C5086	6" X 12"	20	

LIDS	DESCRIPTION
C2069	FLAT LID, FOR C2070
C2072	FLAT LID, FOR C2071
C2076	FLAT LID, FOR C2075
C5082	DOMED LID, FOR C5086
C5082D	HIGH DOMED LID / LIPPED, FOR C5086

ACCESSORIES	DESCRIPTION
C2078	GROUT SAMPLE BOX, 25/PKG
C5097	ECON-O-CURE, FIELD CURING SYSTEM
C5088	STRIPPING TOOL
C5089	6" X 12" CYLINDER TEST TRANSPORT RACK
C5122	CYLINDER CARRIER
C5123	LIFTING HANDLE
C5127	CYLINDER WRAP, 4"
C5128	CYLINDER WRAP, 6"

## CONCRETE COMPRESSION MOLDS



The **C5021** 6" x 12" mold is used with concrete compression testing. The wall thickness is 1/8" (3mm) steel. The mold is split along one side with 2 welded quick-acting clamps. When open, the mold springs apart slightly to allow specimen removal. The base plate is not included. The **C5022** is very similar to the **C5021** but is furnished with 1/4" steel detachable base plate. The **C5031** & **C5033** molds are designed with a 1/4" thick wall.

MODELS	DESCRIPTION	SIZE	STANDARDS
<b>C5021</b>	CONCRETE COMPRESSION MOLD	6" X 12", 1/8" WALL THICK	ASTM C-31, C-39, C-192, C-470 / AASHTO T-22, T-23, T-126, T-198
<b>C5022</b>	CONCRETE COMPRESSION MOLD W/ BASE PLATE	6" X 12", 1/8" WALL THICK	
<b>C5031</b>	CONCRETE COMPRESSION MOLD W/ BASE PLATE	6" X 12", 1/4" WALL THICK	
<b>C5033</b>	CONCRETE COMPRESSION MOLD W/ TOP PLATE	6" X 12", 1/4" WALL THICK	

## CONCRETE CUBE MOLDS

The **C5001** single cube mold is precision machined from heavy-duty cold roll steel. The mold is 6" x 6" x 6" (152 x 152 x 152mm) and are hinged to allow easy specimen removal. These molds are used for producing specimens to perform Time of Initial and Final Setting of Concrete. The **C5002** is a three gang version.



**C5001**

MODELS	DESCRIPTION	STANDARDS
<b>C5001</b>	CONCRETE CUBE MOLD, SINGLE 6"	ASTM C-403 / AASHTO T-197
<b>C5002</b>	CONCRETE CUBE MOLD, 3-GANG 6"	

## CONCRETE CAPPING FIXTURES

These fixtures are for capping concrete cylinders for compressive strength testing. There are two types of capping fixtures. The **C5101** has a welded steel upright aligning guide for positioning the cylinder. The base has a machined recess to hold the compound while the aligning guide holds the cylinder at a 90° angle to the base. The base is also precision ground to provide an extremely flat testing face. The **C5102** is similar to **C5101**, however, it has an aluminum alloy aligning guide instead of the welded steel guide. This fixture also has a detachable ring recess instead of a fixed recess for holding the capping compound. The two piece capping fixture is also available in 2", 3", and 4" models. Hogentogler also sells capping compound (**C5124**) and to melt the compound please see **G6922** thru **G6935** melting pot.



**C5101**



**C5102**

MODELS	DESCRIPTION	SIZE	STANDARDS
<b>C2125</b>	CONCRETE CAPPING FIXTURE, 2-PIECE	2" X 4"	ASTM C-31, C-39, C-192, C-617 / AASHTO T-22, T-23, T-126, T-231
<b>C2127</b>		3" X 6"	
<b>C2131</b>		4" X 8"	
<b>C5102</b>		6" X 12"	
<b>C5101</b>	CONCRETE CAPPING FIXTURE, 1-PIECE	6" X 12"	

ACCESSORIES	DESCRIPTION
<b>C2133</b>	EXTRA PLATE FOR <b>C2125</b>
<b>C2134</b>	EXTRA PLATE FOR <b>C2127</b>
<b>C2135</b>	EXTRA PLATE FOR <b>C2131</b>
<b>C5104</b>	EXTRA PLATE FOR <b>C5102</b>
<b>C5121</b>	LADLE, ST. STL
<b>C5122</b>	CYLINDER CARRIER, FOR 6" X 12" MOLDS
<b>C5123</b>	LIFTING HANDLE. FOR 6" X 12" MOLDS
<b>C5124</b>	CAPPING COMPOUND, VITROBOND

## CURING TANK CIRCULATOR



The **C5060** curing tank circulator is a 1/160HP silent submersion pump (30W) with 120GPH rating at 1 ft. (0.3cm) height. Circulation from the 1/4" (6.4mm) MNPT discharge can be directed in any direction. A glass-filled nylon housing protects the pump. The inlet is flush and the cord is 6 ft.

MODELS	DESCRIPTION
C5060	CURING TANK CIRCULATOR

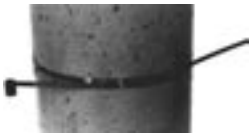
## TEMPERATURE CONTROLLED CURING TANKS



These delux curing tanks are used for maintaining temperature and humidity of test cylinder molds for 48 hours. Features include the ability to heat and cool the test specimens at the touch of a button and an easy to read digital display indicating water temperature. The indicator lights display heat / cool modes. The tanks immersible heater maintains an internal temperature of the water of 73° F throughout the curing period. These rugged, portable tanks (74 lbs.) are constructed from heavy plastic and are insulated with 2" plastic foam. The tanks feature a rust-proof 14-gauge steel bottom rack which provides optimum water circulation for even curing . Holds 22 standard, 6" x 12" cylinder molds.

MODELS	DESCRIPTION	DIMENSIONS	POWER	STANDARDS
C5095	TEMPERATURE CONTROLLED CURING TANK	18" X 54" X 17" ID	115V / 60 Hz	ASTM C-31, C-192, C-511/ AASHTO M-201 T-23, T-126
C5096			220V / 50 Hz	

## PI TAPE



The **C5111** & **C5112** PI Tape is manufactured with precise accuracy to give a fast and reliable method for measuring the diameter of concrete, soil, and asphalt cores and cylinders. One reading provides round and out-of-round diameters accurate to .001" (.03mm on **C5112**) by means of a special graduations and vernier scale. The tape is spring steel with graduations and numerals engraved and acid etched on a ground surface. The tape has a diameter range of 2 to 12" (50 to 300mm on **C5112**). Furnished with a certificate of calibration.

MODELS	DESCRIPTION
C5111	PI TAPE, ENGLISH READING
C5112	PI TAPE, METRIC READING

## PAD AND CAP SET



The pad and cap set is an accurate, consistent, and time saving device used with an unbonded capping system for compression testing of concrete cylinders. The set consists of two compression pads which are constructed of tough elastometric material that flows into the irregularities in the ends of the cylinders and distributes the test load uniformly without creating air pockets. Also included in the set are two restraining caps machined from high alloy steel to the same tolerances as the test platens to restrain the pads. The steel has a minimal temperature variation and no deflection under load. The high alloy steel from which they are constructed is scratch resistant which reduces the need for machining. The pads are reusable up to 100 or more times. Eliminates noxious odors from capping compound.

MODELS	DESCRIPTION	SIZE	STANDARDS
C5129	PAD & CAP SET	2"	AASHTO T-22-85I
C5130		3"	
C5132		4"	
C5134		6"	

ACCESSORIES	DESCRIPTION	SIZE
C5131	COMPRESSION PAD	3"
C5133		4"
C5135		6-1/4"
C5135A		6-1/8"

## CONCRETE SLUMP TESTING EQUIPMENT

The Hogentogler slump test equipment is used to determine the slump of freshly mixed concrete. Concrete is placed in the slump cone, tamped, then the cone is lifted and the height of the concrete is measured. The slump is the difference between the height of the cone and the height of the concrete after the cone has been lifted. The **C7101** is constructed from seamless spun steel and is plated to prevent rusting. Foot lugs and handles are spot welded to the cone.



**C7101**



**C7104**



**C7116**



**L3415**

MODELS	DESCRIPTION	STANDARDS
<b>C7101</b>	SLUMP CONE	ASTM C-31, C-143, C-172, C-192, C-232 / AASHTO T-23, T-119, T-126, T-141, T-158
<b>C7104</b>	SLUMP CONE PLASTIC	

ACCESSORIES	DESCRIPTION
<b>C7116</b>	SLUMP CONE BASE
<b>C7112</b>	TAMPING ROD, 5/8" GRADUATED STEEL PLATED
<b>C9708</b>	TAMPING ROD, 5/8" STEEL PLATED
<b>C9707</b>	TAMPING ROD, 3/8" X 12" (VA SPECS)
<b>C7102</b>	FUNNEL 4"
<b>C7103</b>	FUNNEL 6"
<b>L1301</b>	PAN, 24' X 24" X 3"
<b>L3415</b>	SCOOP, 5" X 8-1/4"
<b>L6381</b>	POINTING TROWEL
<b>L8131</b>	BRUSH, BRASS BRISTLE 10"

## K SLUMP TESTER

The **C7121** K-slump tester is used for in place measurements of forms and test molds. The tester indicates the correlation between the forms and test molds to the slump test. The probe determines the workability of concrete and degree of compaction after being placed in the forms. The tester is also furnished with a correlation chart and instructions.



MODELS	DESCRIPTION
<b>C7121</b>	K SLUMP TESTER

## DUNAGAN TEST SET

The **C7751** Dunagan test set is used for field tests to determine the specific gravity of fine and coarse aggregate, free moisture, silt and constituents of fresh concrete. Heating or drying of materials is not necessary. Test set includes a balance, weights, sieves, buckets, pans, container for washing and carrying, and instruction booklet Manual of Control Tests for Portland Cement Concrete.



MODELS	DESCRIPTION	STANDARDS
<b>C7751</b>	DUNAGAN TEST SET	ASTM C-127, C-128 / AASHTO T-84, T-85