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C-Tech supplies steel moulds for the production of concrete lego blocks. Our moulds are made of high quality steel and available in various shape and sizes. The mould is best placed on a steel or plastic base, release agent applied, concrete poured in, ideally vibrated using a poker then left to cure for 24 hours. Once cured the catch pin is removed and the L shapes moved away and the remaining block turned over using a fork lift or equivalent lifting equipment, then moved using a scissor lift(ideally).

With this moulds, you make your own interlocking concrete blocks. Thanks to the suds on top, the blocks are easily stacked and placed, without the need of any fixing material. This way, constructions can be built easily and rapidly, allowing complete freedom to expand or modify the construction at any time. These concrete lego blocks can be used for industrial applications such as partition walls, retaining walls and storage bins.



Concret Block Mould

Basic type



160.80.80

The standard concrete block mold, the so called basis, is available in various sizes.

The quality of the concrete, along with the dimensions and the weight of the deposited concrete block are decisive for the use and the desired application. With heavier blocks could be built higher and they are very suitable for retaining walls in the recycling and agricultural sector, or for outer buildings. Smaller blocks are more suited for light applications, for example, garden fencing.

Order Number*	Block Length (mm)	Block Width (mm)	Block Height (mm)	Block Volume (m3)	Steel thickness (mm)	Net weight (kgs)
60.60.60	600	600	600	0.216	4	112
80.60.60	800	600	600	0.288	4	128
120.60.60	1200	600	600	0.432	4	156
150.30.60	1500	300	600	0.27	4	106
150.60.30	1500	600	300	0.27	4	159
150.60.60	1500	600	600	0.54	4	179
160.40.40	1600	400	400	0.256	4	121
160.40.80	1600	400	800	0.512	4	142
160.80.40	1600	800	400	0.512	4	233
160.80.80	1600	800	800	1.024	4	275
180.30.30	1800	300	300	0.162	4	107
180.30.60	1800	300	600	0.6	4	120
180.60.30	1800	600	300	0.324	4	182
180.60.60	1800	600	600	0.648	4	202
240.60.60	2400	600	600	0.864	4	250

BASIC TYPE



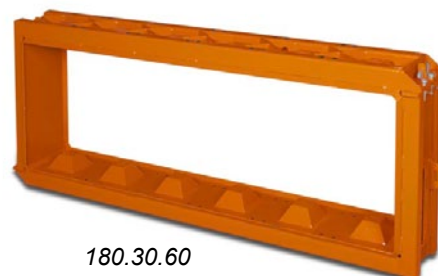
160.80.40



150.30.60



180.60.60



180.30.60

Concret Block Mould

Basic Angled 45

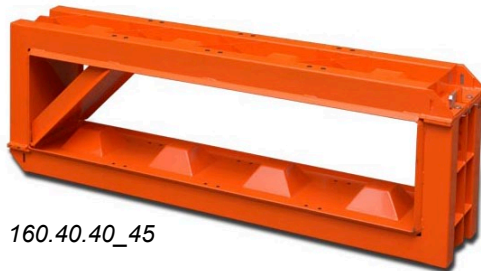


160.80.80-45

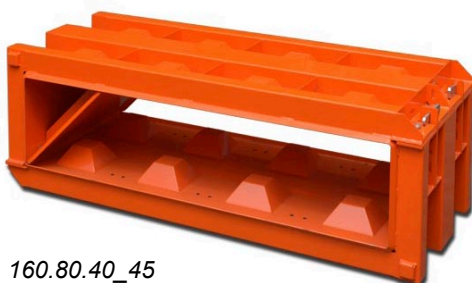
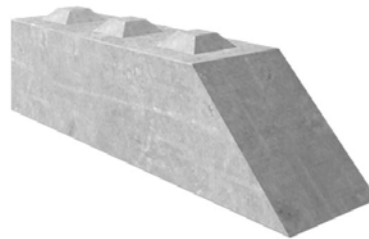
Using this (oblique) mould you can produce sloping concrete blocks, the sloped side makes them ideal for finishing walls neatly. In the construction of a storage box, it is often unnecessary to build the walls at the opening of the box as high as those at the rear. This is because materials are not stored against the front of the box and therefore the walls do not have to be as strong. It is possible to stack the wall blocks at the ends to form steps or to finish the wall using these sloping blocks. Use this mould to produce sloping blocks for a neat finish to your walls and storage boxes.

The advantage of this sloped mould is that the volume of the concrete block to be produced is reduced. Filling this mould requires less concrete than producing a complete block. Another advantage of a sloping finished wall is that no material remains on the block, rain water simply runs down the sloping wall unhindered. The sloped mould is a good addition to your purchase.

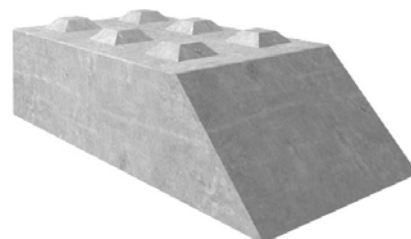
Order Number*	Block Length (mm)	Block Width (mm)	Block Height (mm)	Block Volume (m3)	Steel thickness (mm)	Net weight (kgs)
150.30.60-45	1500	300	600	0.222	4	118
150.60.60-45	1500	600	600	0.412	4	127
160.40.40-45	1600	400	400	0.192	4	135
160.40.80-45	1600	400	800	0.384	4	161
160.80.40-45	1600	800	400	0.384	4	251
160.80.80-45	1600	800	800	0.768	4	308
180.30.60-45	1800	300	600	0.277	4	132
180.60.60-45	1800	600	600	0.551	4	223
240.60.60-45	2400	600	600	0.768	4	271



160.40.40_45



160.80.40_45



BASIC ANGLED 45

Concret Block Mould

Basic Flat Head



160.80.80-00

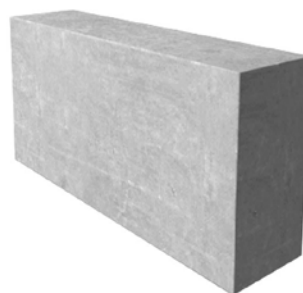
This mold has a flat top, whereby a smooth finish of the top of a higher or lower wall can be achieved, or for example a garden fence or a parking lot. Placing a metal fence on top of the blocks creates a pretty solid separation that is aesthetically and yet movable, if desired.

BASIC FLAT HEAD

Order Number*	Block Length (mm)	Block Width (mm)	Block Height (mm)	Block Volume (m3)	Steel thickness (mm)	Net weight (kgs)
120.60.60-00	1200	600	600	0.444	4	152
150.30.30-00	1500	300	300	0.138	4	92
150.30.60-00	1500	300	600	0.275	4	104
150.60.30-00	1500	600	300	0.276	4	154
150.60.60-00	1500	600	600	0.550	4	174
160.40.40-00	1600	400	400	0.256	4	120
160.40.80-00	1600	400	800	0.512	4	138
160.80.40-00	1600	800	400	0.512	4	225
160.80.80-00	1600	800	800	1.024	4	265
180.30.30-00	1800	300	300	0.165	4	103
180.30.60-00	1800	300	600	0.331	4	116
180.60.30-00	1800	600	300	0.331	4	176
180.60.60-00	1800	600	600	0.648	4	196
240.60.60-00	2400	600	600	0.885	4	242



160.40.80-00



Concret Block Mould

Basic Foot Block



160.80.80-W

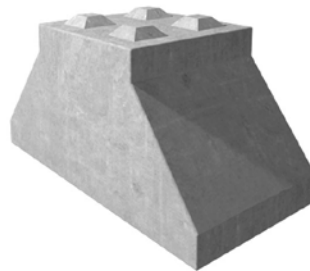
To create a firm support base for a (high) wall the wide base mold is available. When placed in a 45-degree angle at the bottom, the wall is not unnecessarily damaged by the loading platform when using a shovel..

Order Number*	Block Length (mm)	Block Width (mm)	Block Height (mm)	Block Volume (m3)	Steel thickness (mm)	Net weight (kgs)
120.60.60-W	1200	600	600	0.444	4	200
160.80.80-W	1600	800	800	0.768	4	305

BASIC FOOT BLOCK



120.60.60-W



Concret Block Mould

Basic Multi Angled



160.80.80-R

Thanks to the round shape of this mold the finished concrete block can be placed in any desired angle. Different angles are possible, when the outlines of the delineated plot are not perpendicular to each other.

Order Number*	Block Length (mm)	Block Width (mm)	Block Height (mm)	Block Volume (m3)	Steel thickness (mm)	Net weight (kgs)
150.60.60-R	1500	600	600	0.439	4	198
160.40.40-R	1600	400	400	0.256	4	132
160.80.40-R	1600	800	400	0.427	4	243
160.80.80-R	1600	800	800	0.9	4	298
180.60.60-R	1800	600	600	0.661	4	221



150.60.60-R



180.60.60-R



BASIC MULTI ANGLED

Concret Block Mould

Basic Roof



160.80.80-T

On a roof model finish no mess remains lying, there can not be walked on and it looks nice. A standard divider is included.

In addition to a nicer finish to your walls, the roof model also has a practical function; used with storage boxes it creates a tapered ridge on internal walls, ensuring that raw and other materials slide neatly into the storage box without becoming mixed. Furthermore no sand remains on the upper blocks.

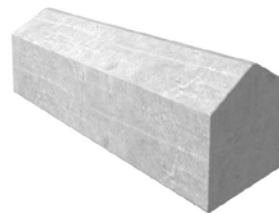
Order Number*	Block Length (mm)	Block Width (mm)	Block Height (mm)	Block Volume (m3)	Steel thickness (mm)	Net weight (kgs)
150.60.60-T	1500	600	600	0.367	4	192
160.40.40-T	1600	400	400	0.192	4	138
160.80.40-T	1600	800	400	0.446	4	234
160.80.80-T	1600	800	800	0.768	4	269
180.60.60-T	1800	600	600	0.496	4	217



160.40.40-T



180.60.60-T



Concret Block Mould

Basic Stairs



160.80.80-S

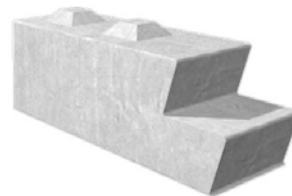
This concrete block mould includes a separate staircase model divider, that very quick and easy creates sturdy steps of 20 centimeters high which, depending on the desired height can be extended. For safety reasons, it may be necessary to mount a banister.

Order Number*	Block Length (mm)	Block Width (mm)	Block Height (mm)	Block Volume (m3)	Steel thickness (mm)	Net weight (kgs)
150.60.60-S	1500	600	600	0.439	4	210
160.40.40-S	1600	400	400	0.170	4	135
160.80.40-S	1600	800	400	0.384	4	258
160.80.80-S	1600	800	800	0.798	4	333
180.60.60-S	1800	600	600	0.550	4	235

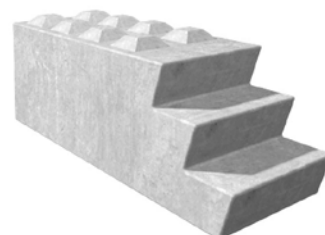
BASIC STAIRS



160.40.40-S



180.60.60-S



Concret Block Mould

Divider

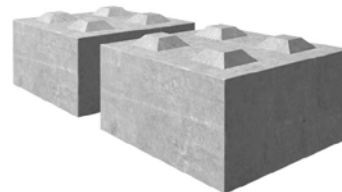
With the aid of the divider, you can produce several, smaller variations of concrete blocks in one single cast. The divider is simple to use and does not have to be fastened to the mould. There are no special pins, screws, bolts or other fasteners required for this. When the concrete is sufficiently cured and the block has been demoulded, the divider can easily be removed. Your mould is once again ready for use in a new cast for either whole, half, quarter or even three-quarter blocks.



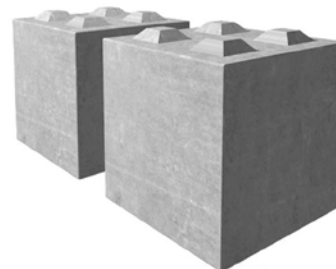
Order Number*	Length (mm)	Width (mm)	Thickness (mm)	Net weight (kgs)
30.30	300	300	4	3.6
30.60	300	600	4	7
40.40	400	400	4	6.1
40.80	400	800	4	12
60.60	600	600	4	13
80.80	800	800	4	22.5



160.80.40 with divider



160.80.80 with divider



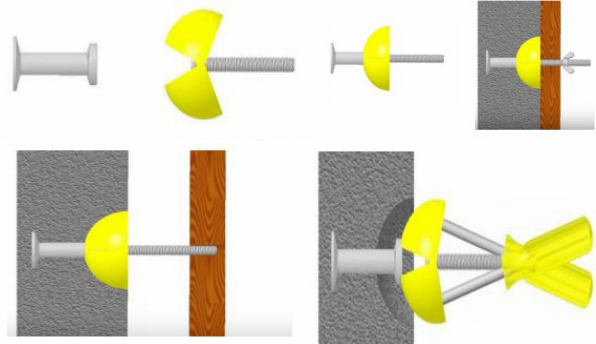
DIVIDER

Concret Block Mould

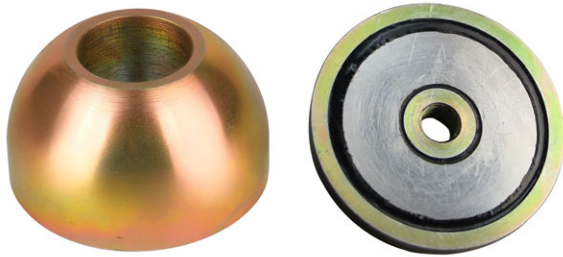
Lift Equipment



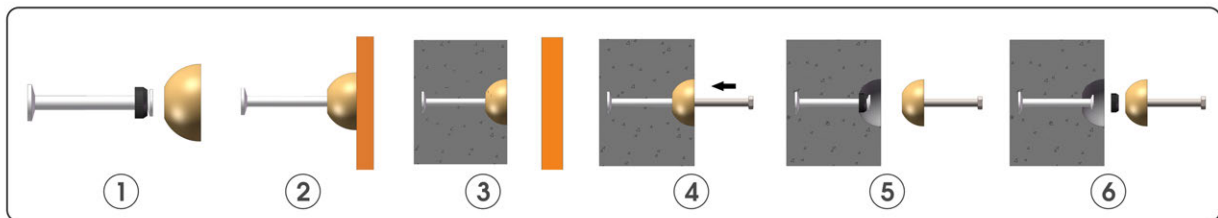
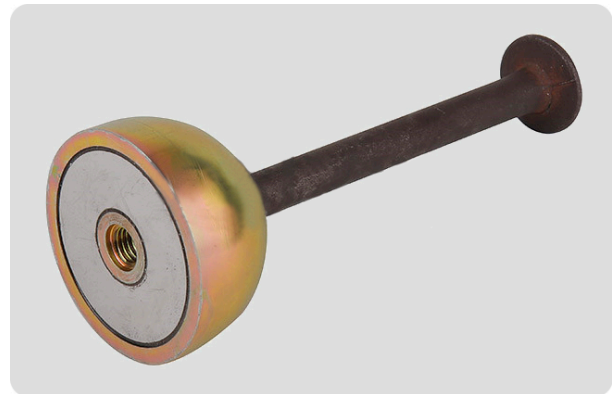
Bb003 (2.5/5.0T). Fastening for spherical-anchor. Needs to be fixed in the mold during casting. Remains behind in the mold after demoulding. To be used infinitely.



Model	load rate(ton)					
Bb003	1.3	2.5	5.0	10	20	32



Magnet 2.5T. Magnetic fastening for spherical-anchor. Needs to be fixed in the mold during casting. Remains behind in the mold after demoulding. To be used infinitely.



Bbha025 (2.5T)

Bbha050 (5.0T)

To lift and move blocks with the universal lifting eye.

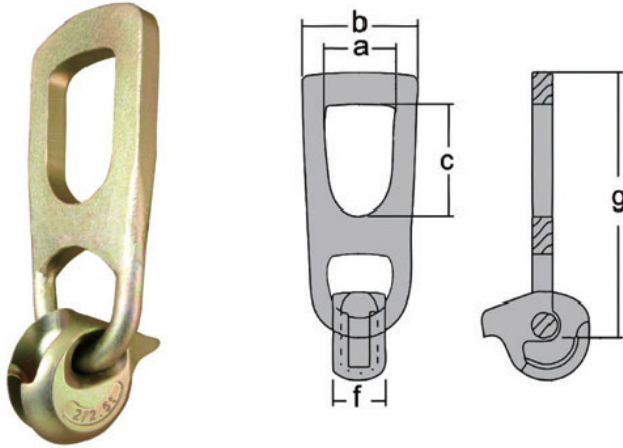


Rubber grommet ring. To fix spherical-anchor in the magnet. Reusable

Concret Block Mould

Lift Equipment

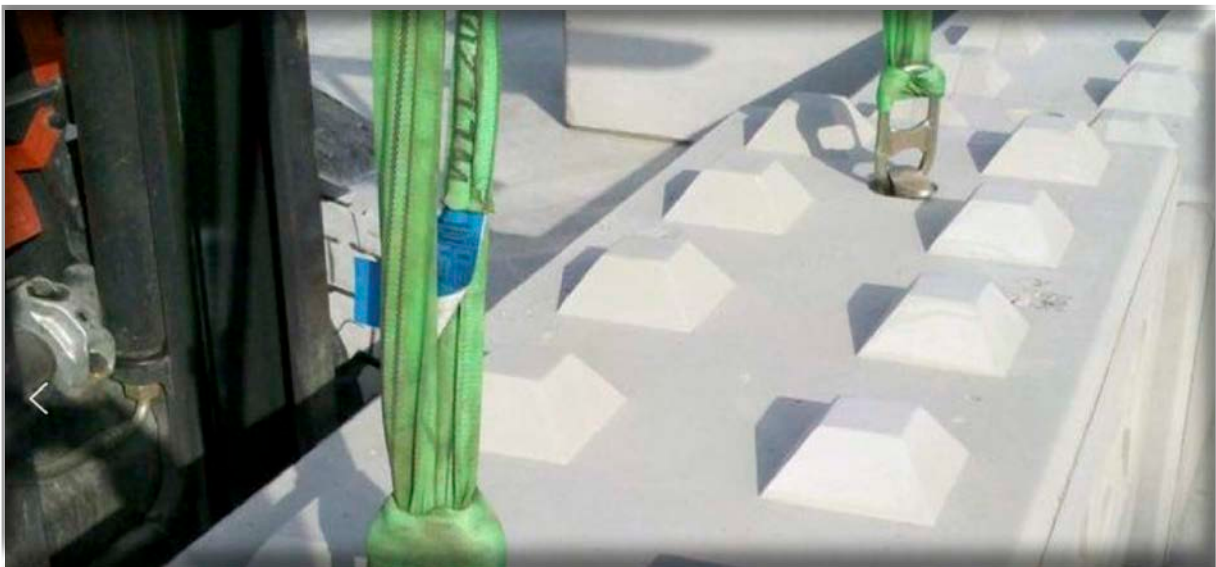
How to use lift anchor and rubber spherical ball.



Universal lifting eye

To hoist concrete blocks (spherical a anchor)

Size (ton)	Dimensions(mm)				weight (kg)
	a	b	c	g	
Bb1sle02 (2.5T)	52	88	83	195	1.5
Bb1sle05 (5.0T)	61	118	86	230	3.5



LIFT EQUIPMENT

Lifting and Hoisting Equipment



Lifting and hoisting equipment

TP-CD series is a concrete block clamp engineered by Tianpeng company. It is suitable for transporting concrete block through a forklift or crane.

The clamp ensures the safe gripping of packs to the indicated opening width, without requiring adjustments of the gripping width.

The unit is a bright model that leaves no marks on concrete block work. It can be released from "full" to "empty" by handle.

Main features

- Suitable for handling all type of concrete products.
- Fitted with an automatic open/close device
- Lined with hard rubber pads to minimise load damages.
- Strong tubular frame.
- Safety net available as an option.

Specification

Type	Span(mm)	Internal Height (mm)	Jaw Length (mm)	SWL (kg)	Unit Weight (kg)
TP-CD1560	400-650	300	800	1500	140
TP-CD1680	400-850	300	1000	2500	200