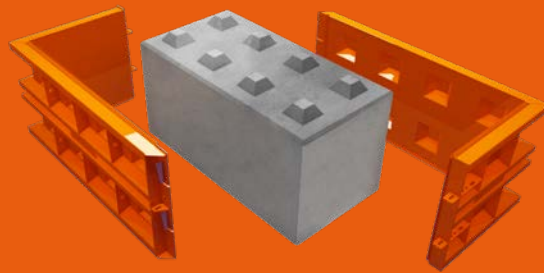




Concrete block molds.  
Form it. Stack it. Change it. Move it.



[betonblock.com](http://betonblock.com)





## THE UNIQUE BETONBLOCK® SYSTEM, WAY AHEAD OF THE COMPETITION!

- A sustainable formsystem
- High quality steel forms
- Extremely accurate thanks to the best production techniques
- The most stable stacking system
- Unique and extensive product range
- Production techniques ensure long-term durability
- Best price-performance ratio



# BETONBLOCK®

## NO CONCRETE TO WASTE

A vital question for concrete plants is what to do with returned concrete, stockpiles of both big pieces of hardened material and loose, crumbling, unconsolidated materials. As this is a potential resource, let's stop calling it waste, but excess concrete. Have you considered batching new concrete on leftover excess concrete? At BETONBLOCK® we have the solution for excess concrete materials, which turns these potential negatives into a real positive for batching and recycling facilities.

There are ample opportunities now to recycle. Plastic concrete can be put through a concrete reclaimer to make aggregate suitable for further concrete production. Hardened concrete can be crushed to make an excellent base material with a lot of great uses today. In both cases, you are recouping value for material that otherwise is a financial negative for you. If you have a mountain of old concrete at your site, consider the opportunities for recycling that material!

### What Makes The BETONBLOCK® System So Special?

By improving production techniques and using the best materials, concrete blocks produced with our forms fit so accurately that they create a repositionable stack system that is most stable without the use of mortar. Similar to the Lego®-system, the blocks firmly interlock to each other thanks to the studs on the top and recesses in the base of the blocks. This stability increases construction opportunities with limitless expandability, ideal for temporary and / or permanent building structures. More stability also provides more safety on the work site.

### Flexible Constructions With Ready-Mix Concrete

Many concrete companies focus mainly on producing concrete blocks from new concrete. You can cast small blocks up until the last drop of concrete left in the mixer! This leaves no leftover concrete and also saves crushing costs!

The demand for concrete blocks increases because just like Lego®, building with blocks is flexible, easy to customise at any time. It is fast, and time saves money!

The blocks lend itself perfectly for dividing/retaining walls etc. in, for example, the recycling or agricultural sector, but also for the construction of warehouses and outbuildings. Urethane form liners or flex-stones can create a more decorative pattern and make for more aesthetically pleasing structures.

### One Stop Shop

Since the first generation of steel forms 20 years ago, BETONBLOCK® has been the fastest-growing system in the market today. Our product range is unique and extensive, it also contains transport accessories and a range of products to facilitate efficiency and cost effectiveness at building sites. Sustainability and product innovation are paramount in the development of new and existing products, and ensure safety on site. It is not without reason that BETONBLOCK® is the proud leader in its field and delivers in over 60 countries worldwide.

So let us help to re-purpose your excess concrete! Start making blocks, pave your yard and turn that already paid for product into something else you can sell!





## PRODUCTION: CASTING CONCRETE BLOCKS YOURSELF

First, place the empty mold on a leveled surface, for example a steel plate. Apply mold oil (release agent) to the inside of the mold in order to release the mold from the block easier. The concrete must be poured gradually to ensure proper filling of the interlocks.

At the same time, you need to vibrate the concrete by use of an electric/pneumatic vibrating poker to ensure homogeneous compaction of the concrete. After the concrete has been leveled off, the mold is cleansed for longevity purposes and then the concrete is smoothed again using a concrete float. Curing time depends on the concrete and the conditions.



### RA-24L

The BETONBLOCK® Form Oil Sprayer is an extra robust version with a tank capacity of 24 liters. A full tank is pressurized one single time with a compressor, using 6 to 8 bar, which allows to spray the oil into multiple molds without having to manually pump, until the tank is empty. Price: € 475,-



1



Place mold on leveled surface

2



Applying oil into the mold

3



Pouring the concrete

4



Vibrating

5



Leveling

6



Cleaning

7



Removing pins and wedges

8



Opening the mold

9



Output ready





## CONCRETE BLOCK MOLDS LARGE STUDS

### 160.80.80

Model **160.80.80** (lxwxh)  
Size **160x80x80 cm**  
Volume **1.024 m<sup>3</sup>**  
Output **± 2400 kg**  
Price **€ 1.475,-**



### 160.80.40

Model **160.80.40** (lxwxh)  
Size **160x80x40 cm**  
Volume **0.512 m<sup>3</sup>**  
Output **± 1200 kg**  
Price **€ 1.150,-**



### 160.40.80

Model **160.40.80** (lxwxh)  
Size **160x40x80 cm**  
Volume **0.512 m<sup>3</sup>**  
Output **± 1200 kg**  
Price **€ 990,-**



### 160.40.40

Model **160.40.40** (lxwxh)  
Size **160x40x40 cm**  
Volume **0.256 m<sup>3</sup>**  
Output **± 600 kg**  
Price **€ 940,-**



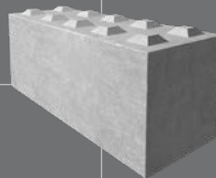
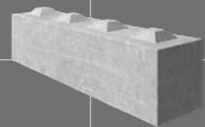
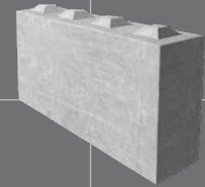
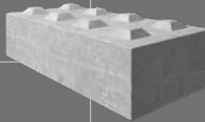
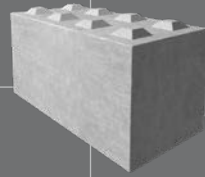
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Model **200.80.80** (lxwxh)  
Size **200x80x80 cm**  
Volume **1.280 m<sup>3</sup>**  
Output **± 3072 kg**  
Price **€ 1.825,-**

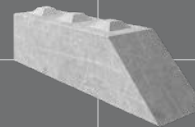
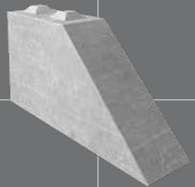
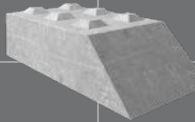
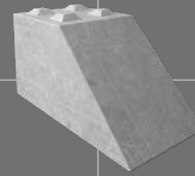


## OUTPUT

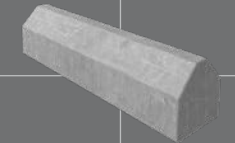
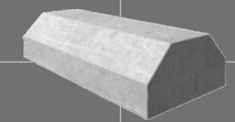
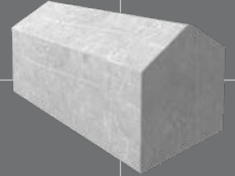
### BASIC



### BASIC-45



### BASIC-T\*



## CONCRETE SLAB MOLDS

### 200.200.16

Model **200.200.16** (lxwxh)  
Size **200x200x16 cm**  
Volume **0.640 m<sup>3</sup>**  
Output **± 1536 kg**  
Price **€ 895,-**

### 200.150.16

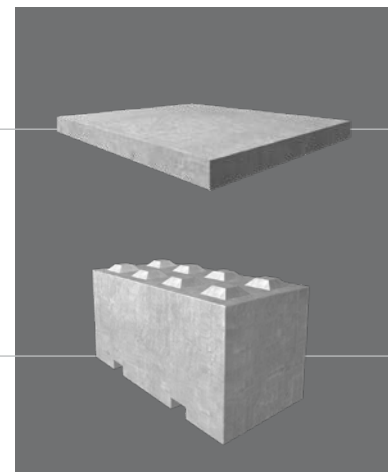
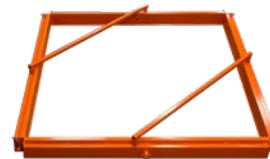
Model **200.150.16**  
Size **200x150x16 cm**  
Volume **0.480 m<sup>3</sup>**  
Output **± 1152 kg**  
Price **€ 775,-**

### 200.100.16

Model **200.100.16**  
Size **200x100x16 cm**  
Volume **0.320 m<sup>3</sup>**  
Output **± 768 kg**  
Price **€ 650,-**

### 200.300.20

Model **200.300.20**  
Size **200x300x20 cm**  
Volume **1.200 m<sup>3</sup>**  
Output **± 2880 kg**  
Price **€ 1.195,-**



\* Supplied with a separate partition as standard.

## ACCESSORIES

### FORKLIFTSLEEVES

Size **30 cm** Price **€ 30,-**  
Size **40 cm** Price **€ 40,-**  
Size **60 cm** Price **€ 60,-**  
Size **80 cm** Price **€ 80,-**





**BASIC-00**



**BASIC-S**



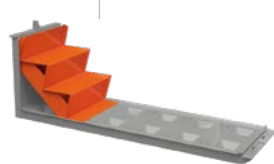
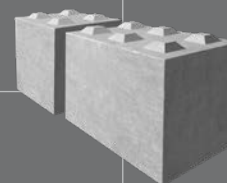
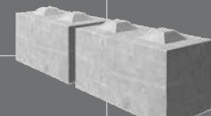
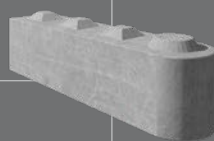
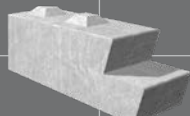
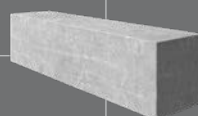
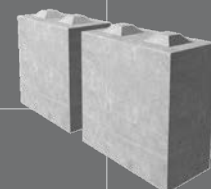
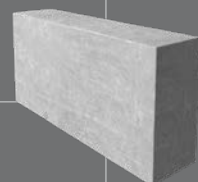
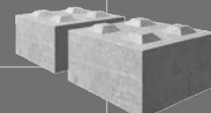
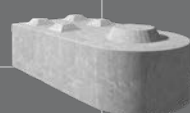
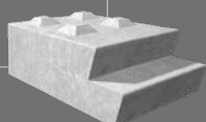
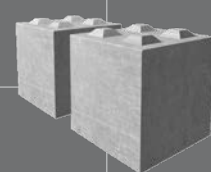
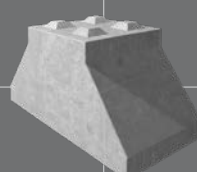
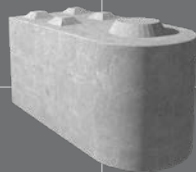
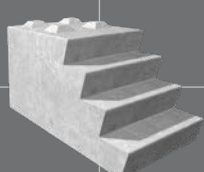
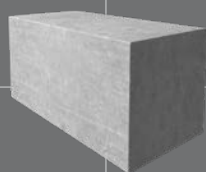
**BASIC-R**



**BASIC-W**



**DIVIDER**



**DIVIDER**

Model DV.80.80

Model DV.40.80

Model DV.40.40

Price € 100,-



# CONCRETE BLOCK MOLDS

## SMALL STUDS

### OUTPUT



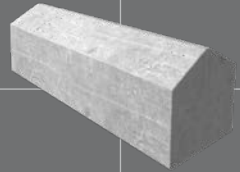
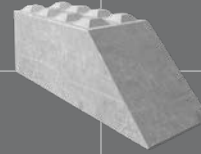
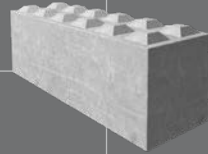
BASIC

BASIC-45

BASIC-T

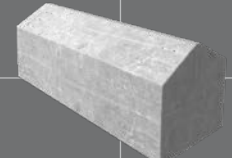
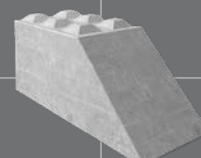
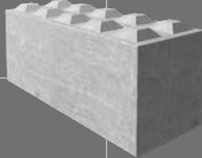
#### 180.60.60

Model 180.60.60 (lxwxh)  
 Size 180x60x60 cm  
 Volume 0.648 m<sup>3</sup>  
 Output ± 1550 kg  
 Price € 1.275,-



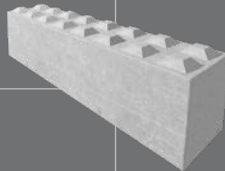
#### 150.60.60

Model 150.60.60 (lxwxh)  
 Size 150x60x60 cm  
 Volume 0.576 m<sup>3</sup>  
 Output ± 1300 kg  
 Price € 1.125,-



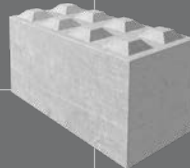
#### 240.60.60

Model 240.60.60 (lxwxh)  
 Size 240x60x60 cm  
 Volume 0.885 m<sup>3</sup>  
 Output ± 2075 kg  
 Price € 1.725,-



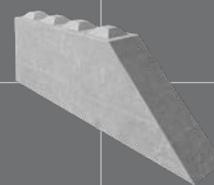
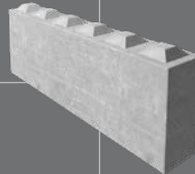
#### 120.60.60

Model 120.60.60 (lxwxh)  
 Size 120x60x60 cm  
 Volume 0.444 m<sup>3</sup>  
 Output ± 1040 kg  
 Price € 900,-



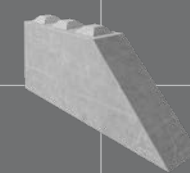
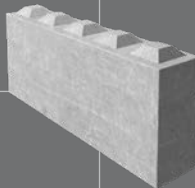
#### 180.30.60

Model 180.30.60 (lxwxh)  
 Size 180x30x60 cm  
 Volume 0.324 m<sup>3</sup>  
 Output ± 775 kg  
 Price € 925,-



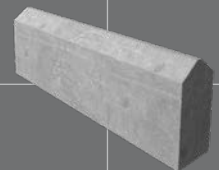
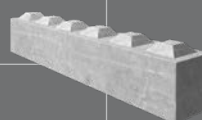
#### 150.30.60

Model 150.30.60 (lxwxh)  
 Size 150x30x60 cm  
 Volume 0.288 m<sup>3</sup>  
 Output ± 650 kg  
 Price € 800,-



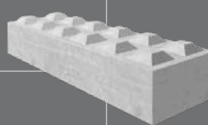
#### 180.30.30

Model 180.30.30 (lxwxh)  
 Size 180x30x30 cm  
 Volume 0.262 m<sup>3</sup>  
 Output ± 387 kg  
 Price € 795,-



#### 180.60.30

Model 180.60.30 (lxwxh)  
 Size 180x60x30 cm  
 Volume 0.331 m<sup>3</sup>  
 Output ± 775 kg  
 Price € 1.175,-







**BASIC-00**



**BASIC-S**



**BASIC-R**

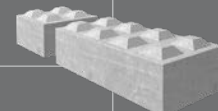
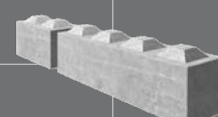
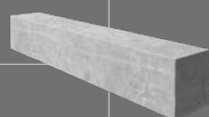
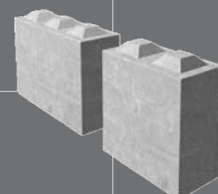
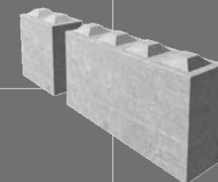
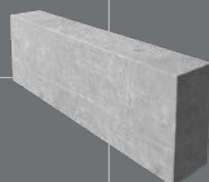
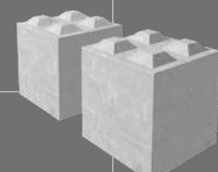
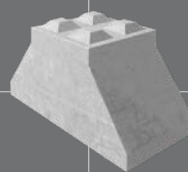
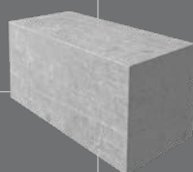
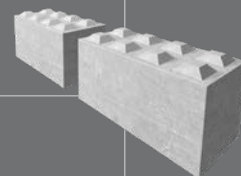
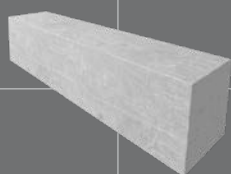
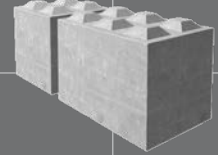
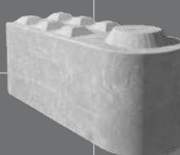
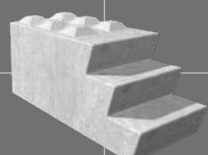
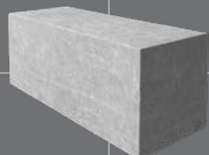
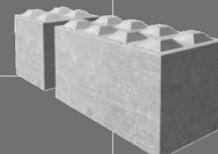
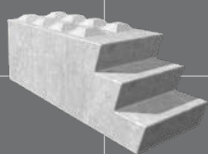
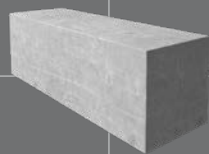


**BASIC-W**



**DIVIDER**

Model DV.60.60  
Model DV.30.30  
Model DV.30.60  
Price € 100,-



## TRANSPORT & ACCESSORIES

To simplify transport and moving of the finished products, matching transport accessories for the concrete blocks and concrete slabs have been developed.

When the block is cured, the mold is removed and the block, that is casted on its side, needs to be turned into the right position. A **concrete block clamp** is used to lift the cured block onto a so called **BT2500 Block-turner**. The engine driver then uses the remote control and the block-turner tilts the block. Alternatively, the block can also be tilted using a forklift truck and 2 tyres. Once they are in the upright position, the blocks are lifted with the concrete block clamp to put them in the right place. The concrete block clamp is connected to a forklift truck by either the **CLA Lifting beam**

or a lifting chain. The benefit of a lifting beam is to stabilize the block and prevent it from starting to swing.

The **R1900 Rotator** has been developed as an additional tool for the forklift truck to grip and rotate the concrete blocks to set them aside for storage and further curing. Because of the hydraulic rotation the concrete blocks can be easily maneuvered into the correct position, but the Rotator cannot be used to build a wall. It is merely a device to turn the blocks.

For the concrete slabs the **LTM Lift- and turn mechanism** is available that must be attached to the forklift truck to turn the slab in the upright position. The lifting beam can also be used to place concrete slabs.





## TRANSPORT ACCESSORIES



### CONCRETE BLOCK CLAMP

Model	CL40/CL60/CL80
Clamp opening	20-40/30-60/40-80 cm
Lifting capacity	2000/2500/3750 kg
Own weight	± 150/175/200 kg
Price	€ 1.450,-/€ 1.650,-/€ 1.850,-



### LIFTING BEAM

Model	CLA
Lifting capacity	5000 kg
Own weight	± 42 kg
Price	€ 350,-



### LIFTING BEAM

Model	CLA2
Lifting capacity	5000 kg
Own weight	± 65 kg
Price	€ 450,-



### LIFT- AND TURNMECHANISM

Model	LTM
Lifting capacity	1750 kg
Own weight	± 110 kg
Price	€ 550,-



### BLOCK TURNER STAND-ALONE

Model	BT2500
Tipping load	3000 kg
Own weight	± 290 kg
Price	€ 3.850,-



### HYDRAULIC ROTATOR LIFT

Model	R1900
Clamp opening	110-190 cm
Lifting capacity	3000 kg
Own weight	± 450 kg
Price	€ 6.100,-



1



Place the magnet (BBMAG01) in the middle center of the mold

2



Place the rubber (BBGRO02) around the anchor (BBHA025)

3



Place the anchor with the rubber in the magnet

4



The anchor is cast in its entirety, be careful when vibrating the concrete

5



When the mold is opened, the magnet remains in the mold

6



Remove the rubber from the anchor

7



Only the top of the anchor is now visible

8



Attach the hooks to the anchors and the load is ready to be lifted

BBHA025-170



€ 0,90

BBGRO02



€ 1,05

BBMAG02



€ 54,-

BBLSL02



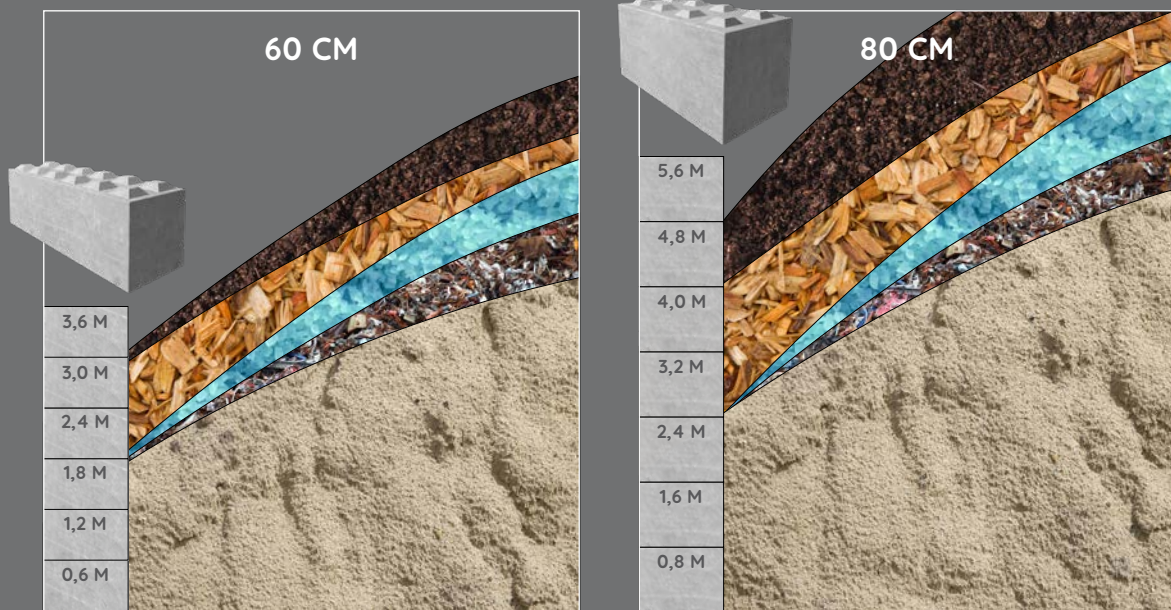
€ 40,-





## SAMPLE SIZE TABLES

(ON UNILATERAL COMPRESSIVE LOAD)



	SAND	WASTE	SALT	WOOD	SOIL
Density (kg/m <sup>3</sup> )	1500	1500	1200	645	500
Inner compression angle	30°	35°	40°	35°	45°

Note: This sample calculation is indicative only





## INNOVATION

BETONBLOCK® identifies with its customers. That is why we continuously work on improvement of design and workability, to better respond to the customer's needs and to keep offering the best quality for the best price.

Our product range extends regularly in order to better facilitate working processes at the production site, or to offer new construction possibilities. For example, standard size molds can now produce multiple size or different shaped blocks thanks to the diversity in moveable dividers. This reduces the necessity to buy several molds and it saves purchasing costs for the customer.



### 200.54.90-JB\*

The BETONBLOCK® barrier is a modular concrete barrier employed to separate lanes of traffic. The blocks interlock to each other and are designed to minimize vehicle damage in cases of incidental contact. Barriers are also used to reroute traffic and protect pedestrians. Price: € 1.650,-



### 200.54.90-JBCON\*

Profiles placed in the mold during construction create blocks that can be coupled to a free rotation angle of 22.5 degrees. Price: € 1.700,-



### 200.54.90-CP

This set of steel profiles for the 200.54.90-JBCON is placed in the mold before casting the concrete so that the barrier blocks can be connected to each other afterwards. Price: € 37,-



### JBF - EASY BARRIER FILLER

Filling the barrier is a lot easier with this handy funnel shaped filling aid. Price: € 75,-

\* The partition is now also available separately.  
Price: € 125,-

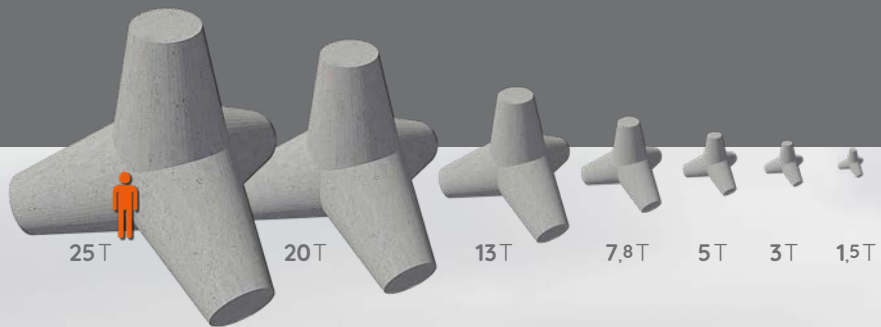




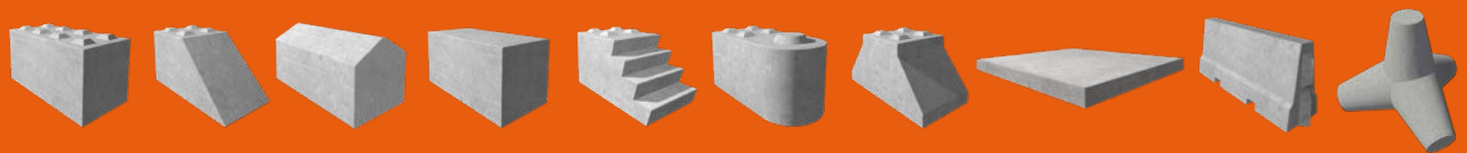
## BETONBLOCK® TETRAPOD

In coastal engineering, a tetrapod is a concrete structure used as armour unit on breakwaters. A tetrapod's shape is designed to dissipate the force of incoming waves by allowing water to flow around rather than against it, and to reduce displacement by allowing a random distribution of tetrapods to interlock.

Earlier barrier material used in breakwaters, such as boulders and conventional concrete blocks, tended to become dislodged over time by the force of the ocean constantly crashing against them. Tetrapods and similar structures are often numbered so any displacement that occurs can be monitored. Price: from € 2.325,-







## ESPECIALLY FOR BETONBLOCK® CUSTOMERS

BETONBLOCKPLAZA is a platform for companies that are looking for flexible building solutions. BETONBLOCK® customers who supply concrete blocks and concrete slabs can register their business on this site free of charge. If desired can also, at low cost, be chosen for an advertising banner.

Companies that do not produce concrete blocks or – plates can easily find suppliers of these products through BETONBLOCKPLAZA. By entering a search code the nearest supplier can be found, thus reducing transport costs.



BETONBLOCKPLAZA.COM





## PAVING THE DUTCH WAY

Since more than 50 years, concrete slabs are commonly used as paving on industrial premises in The Netherlands because slabs do not sink in (on a good surface and when well positioned). The benefit is that the industrial slabs are laid quicker than paving stones, and are very easy to remove. Concrete slabs are ideal for temporary and / or permanent paving. This unique system is used for parking spaces, in the transshipment, recycling and agricultural industry, the infrastructure and (road) construction sector.

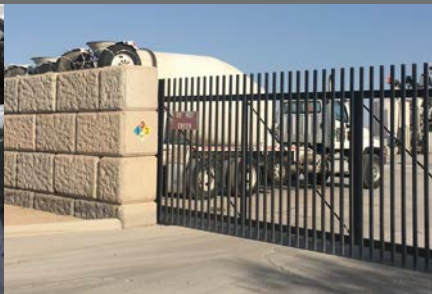




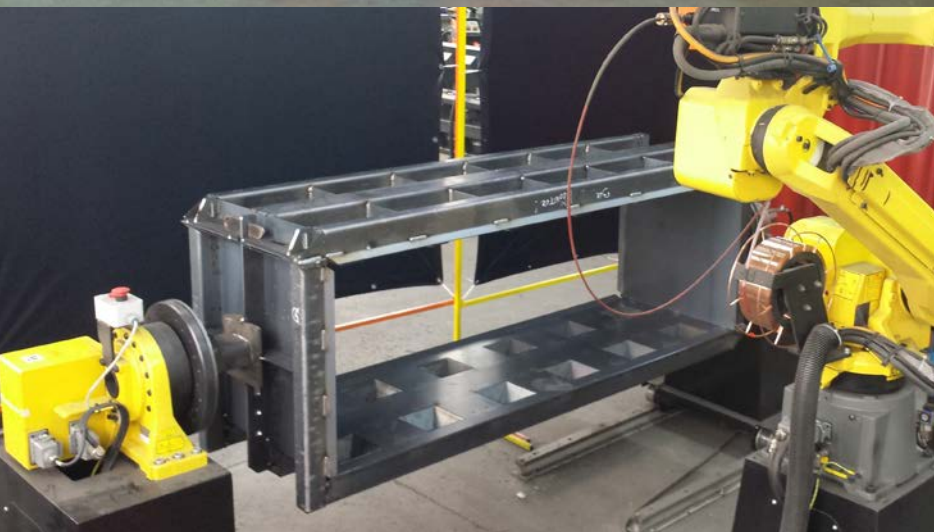


## SAFETY

Beton blocks are the most simple and effective method to fence off an area. Many cities and governments are using blocks as a border between traffic and pedestrian zones to offer citizens a feeling of safety when walking besides a busy road. With a weight of 2500 kg per block they dissipate a prominent No Go zone. Besides that it is fastest way to create and alter a demarcation in a very short period of time.







## MANUFACTURING AND WAREHOUSE

BETONBLOCK® is proud of the quality of its products and services. On a weekly basis, new stock arrives from our manufacturing plant. We keep sufficient stock to be able to quickly respond the same day, as buyers expect their orders shipped immediately after payment. We ship daily at very competitive shipping rates.

BETONBLOCK® acknowledges the significance of durability. Thanks to the special attention to the finishing of the products, and the better production processes, our products need less maintenance and are less subject to wear. At our production site, the choice for Trumpf laser-, punching- and bending machines was evident. They make for the most accurate production process to ensure we meet high quality standards.





ENGINEERED FOR HIGH PRECISION BLOCKS

