



# Form it. Stack it. Change it. Move it.

Steel concrete moulds.



# The unique Betonblock system.

# WAY AHEAD OF THE COMPETITION!

There are ample opportunities to recycle.

Castable 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!

- · 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 positives for batching and recycling facilities.

### 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. 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 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 flexstones 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 75 countries worldwide.

So let us help to process any type of concrete you might have, whether it's new or reused! Start making blocks, pave your yard and turn that already paid for product into something else you can sell!



Solid steel moulds for a good **return on investment** after hundreds of guaranteed concrete pours"

# Production. Casting **concrete blocks**by yourself.

First, place the empty mold on a leveled surface, for example a steel plate. Apply mould oil (release agent) to the inside of the mould in order to release the mould 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 with the electric / pneumatic vibrating poker to ensure homogeneous compaction of the concrete. After the concrete has been leveled off, the mould is cleansed for longevity purposes of the concrete mould. The curing time depends on the concrete and the weather conditions.



## CASTING CONCRETE BLOCKS YOURSELF



Place the mould on a leveled and clean surface.



Apply a layer of oil into the mould this prevents sticking concrete.



3 Pour the concrete mixture.



Vibrate the concrete during the pouring process to remove air.



Level the fresh concrete using a large trowel.



Clean the excess concrete from your Betonblock mould.



When the concrete is cured, remove the pins and wedges.



Open the mould using the provided universal mould opener.



Your output is ready.

# Straight edge

Finish the concrete block efficiently and easily in one pass! Quick and easy to use.



## **Specifications**

Length: 100 cm Material: Aluminium Double-sided H-profile Incl. sealing caps



# 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 mould is removed and the block, that is casted on its side needs to be turned into the upright position. A concrete block clamp is used to lift the cured block onto a so called BT2500 2.0 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 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 to turn the slab in the upright position. The lifting beam can also be used to place concrete slabs.





### **CONCRETE BLOCK CLAMP**

ModelCL40Clamp opening20 - 40 cmLifting capacity2000 kgOwn weight± 150 kg



### **CONCRETE BLOCK CLAMP**

ModelCL60Clamp opening30 - 60 cmLifting capacity2500 kgOwn weight± 175 kg



### **CONCRETE BLOCK CLAMP**

ModelCL80Clamp opening40 - 80 cmLifting capacity3750 kgOwn weight± 200 kg



## **LIFTING CHAIN SINGLE**

ModelLC3Chain length100 cmLifting capacity4000 kgOwn weight5,5 kg



## **LIFTING BEAM**



## **LIFTING BEAM DOUBLE**

ModelCLA2Lifting capacity5000 kgOwn weight± 65 kg



## **LIFT- AND TURNMECHANISM**

Model LTM Lifting capacity 1750 kg Own weight ± 110 kg



## HYDRAULIC ROTATOR LIFT

 Model
 R1900

 Clamp opening
 110 - 190 cm

 Lifting capacity
 3000 kg

 Own weight
 ± 900 kg



## **BLOCK TURNER**

 Model
 BT2500 2.0

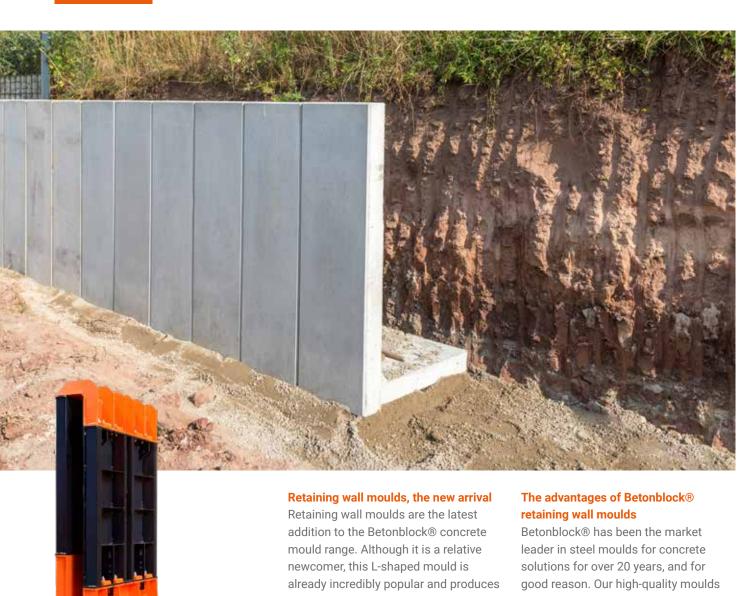
 Clamp opening
 110 - 190 cm

 Tipping load
 2800 kg

 Own weight
 ± 290 kg

## Retaining wall moulds

Your solution for separation.



a one-piece retaining wall.

These L-shaped elements are used all over the world because concrete walls can withstand all weather conditions, such as snow, ice and rain, but also cope with extreme heat. Because of their special shape and durability, retaining walls are highly versatile.

are built to last and will continue to deliver for at least ten years, even if they are used to cast retaining walls day in, day out. In average conditions, concrete takes about 24 hours to cure, so all you need is one mould to produce a new retaining wall every day. For faster production time and larger projects, we recommend buying multiple moulds.

## What sizes do Betonblock® retaining wall moulds come in?

Betonblock® retaining walls are available in various sizes and designs. The basic retaining wall mould is 100x100x100 cm, which can be modified with the retaining wall extension set to create a retaining wall mould measuring 100x100x200 cm. The extension set is also sold separately, so you can always extend your 1 meter retaining wall mould to a 2 meter version at a later date.

Ask our staff about the possibilities.



## LM2000 specifications

Dimensions: 100x100x200 cm Material: Steel

Form: L-shaped Volume: 0.39 m3 Output weight: 940 kg



## Retaining wall clamp

The Betonblock® mechanical retaining-wall clamps are ideally suited for placing and transporting L-shaped retaining walls. The main benefit of the mechanical retaining-wall clamp is that it clamps itself using the weight of the retaining wall. This eliminates the need for a hydraulic connection.

### **CL3T specifications**

Clamping range: 70-110 / 110-150 Max. clamping depth: 300 mm

Width: 200 mm

Max. lifting capacity: 3,100 kg

Device weight: 35 kg



# Paving the **Dutch way**

With concrete slab moulds.

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.













## 200.200.16

Model 200,200,16 200.200.16cm Volume 0.64 m<sup>3</sup>

Output ± 1536 kg

## 200.200.14

200.200.14 200.200.14 cm  $0.56 \, \text{m}^3$ ± 1344 kg

#### 200.150.16

200.150.16 200.150.16 cm 0.48 m<sup>3</sup> ± 1152 kg

## 200.100.16

200.100.16 200.100.16 cm 0.32 m<sup>3</sup> ± 768 kg

#### 300.200.20

300.200.20 300.200.20 cm 1.20 m<sup>3</sup> ± 2880 kg



## Concrete slab moulds.

Concrete slabs have been the most commonly used solution for temporary or permanent paving for years. Concrete slabs are a great way to quickly and efficiently cover large areas.

betonblock.com



## Vacuum slab lifter

## Place and move slabs efficiently.

### Laying concrete slabs has never been easier!

Thanks to the Betonblock® vacuum slab lifter, concrete slabs are efficiently, safely and easily transported and placed at the desired location. Due to the powerful suction capacity, a concrete slab that is not completely level is no problem, so the slabs do not have to be 100% clean either.

The vacuum lifter is mobile thanks to the Hatz diesel engine and can be operated manually via the 2-button secure remote control.

The slab lifter can be attached to a forklift using a Betonblock lifting beam

(CLA) (supplied without lifting beam).

## **VL17 Specifications**

Dimensions of suction cup: 800x900 mm Maximum lifting capacity: 1,700 kg Mobile thanks to the Hatz diesel engine Secure remote control Including lifting eye







#### 200.54.90-JB\*

The Betonblock® barrier is a modular concrete barrier employed to separate lanes of traffic. The bariers 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.



## 200.54.90-JBCON\*

Profiles placed in the mould during construction create blocks that can be coupled to a free rotation angle of 22.5 degrees.





### 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.

## **JBF - EASY BARRIER FILLER**

Filling the barrier is a lot easier with this handy funnel shaped filling aid.

<sup>\*</sup> The partition is also available separately.

DV200.54 Divider barrier + floorplate (4) + FLS (2).

DV200.54 JBCON Divider barrier + floorplate (4) + FLS (2).

# **Tetrapod moulds**

Coastal engineering.



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.



## PLACING **ANCHORS** IN 6 STEPS



Place the magnets in the center of the concrete mould.



Place the rubber around the anchor, place the anchor in the magnet.



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



When the mould is opened, the magnet remains in the mould.

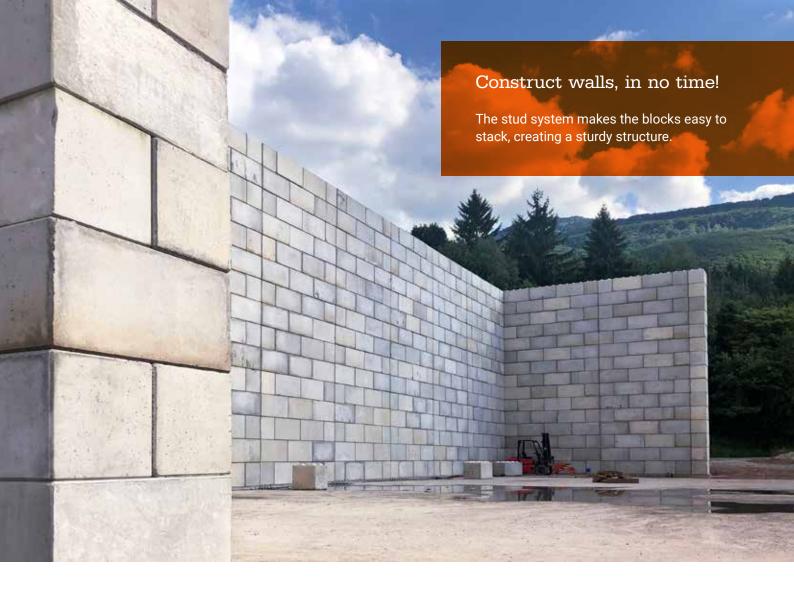


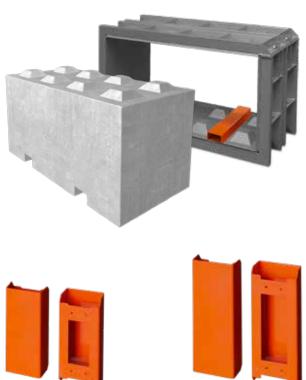
Remove the rubber from the anchor, only the top is now visible.



Attach the hooks to the anchors and the block is ready to be lifted.







FLS40

40 cm

FLS30

30 cm

## Forklift sleeves

Forklift recess profiles are used in, for example, blocks that are used in road blocks, or for the disposal of water.





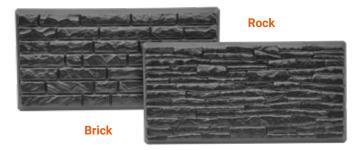


FLS80 80 cm

# Create your desired look!

## With form-liners.

The Betonblock form-liner, designed to elevate the aesthetic aspects of your concrete blocks and projects, it creates a phenomenal appearance and therefore higher added value to your blocks.



Made with high quality ABS plastic these liners can be used multiple times, Place the liner in your steel betonblock mould before casting and give your concrete block the desired look.





## **Specifications**

Available in various sizes and designs: 180x60cm, 160x80cm, 120x60cm, 60x60cm & 80x80cm. Weighing: 1.6kg - 5.5kg.





Discover more patterns & sizes on **betonblock.com**Explore our wide range of form-liners designed to take your concrrete blocks to the next level.



## Reliable

## Durable and precise.

## Concrete block walls have never been easier!

Betonblock moulds have a strong reputation for being high-quality, our moulds are considered top-tier in the concrete block industry because we prioritize durability, precision, and ease of use while supporting both standard and customizable block production.

Made from structural steel and designed with precision, each mould consistently produces uniform, high-quality blocks, even after hundreds of uses. This longevity not only maximizes return on investment but also ensures reliable block quality over time, making Betonblock moulds a top choice for construction and landscaping projects.



## CONCRETE BLOCK MOULDS

### LARGE STUDS

## **OUTPUT**

BASIC







BASIC-45 BASIC-T

### 160.80.80

Model 160.80.80 (lxwxh)
Size 160x80x80 cm
Volume 1.024 m³
Output ± 2400 kg

## 160.80.40

 Model
 160.80.40 (lxwxh)

 Size
 160x80x40 cm

 Volume
 0.512 m³

 Output
 ± 1200 kg

## 160.40.80

 $\begin{array}{ll} \mbox{Model} & \mbox{160.40.80 (lxwxh)} \\ \mbox{Size} & \mbox{160x40x80 cm} \\ \mbox{Volume} & \mbox{0.512 m}^{3} \\ \mbox{Output} & \pm 1200 \mbox{ kg} \end{array}$ 

## 160.40.40

Model 160.40.40 (lxwxh)
Size 160x40x40 cm
Volume 0.256 m³
Output ± 600 kg

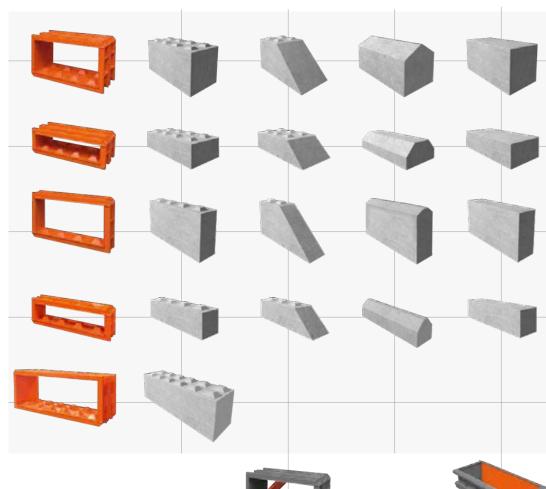
### 240.80.80

 Model
 240.80.80 (lxwxh)

 Size
 240x80x80 cm

 Volume
 1.536 m³

 Output
 ± 3686 kg



#### 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 moulds without
having to manually pump, until
the tank is empty.

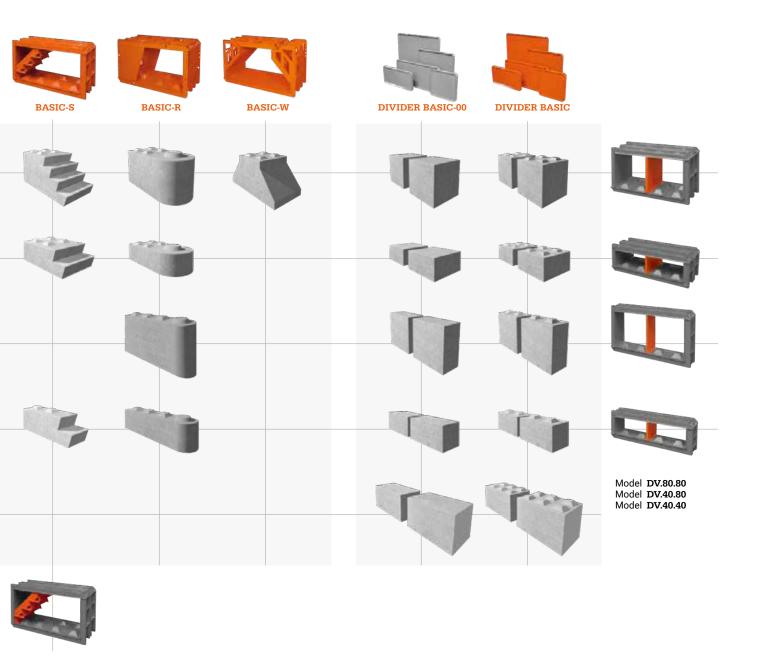


### **BBOIL - 20L Release agent**

Concrete release agent ensures that there is no adhesion between the hardened concrete and the formwork.

- · Prevents rust formation on moulds
- · Contains a corrosion inhibitor
- · Good resistance to rain
- · Leave the concrete mold perfectly clean
- · Contents 20 liters







The Betonblock concrete vibrator is a manageable, light weight poker (approximately 6 kg.) for compacting all kinds of concrete. The drive unit (230V/115V – 1 phase) drives the flexible shaft at a speed of only 4.000 rpm. Thanks to its pendulum system, the poker realises 12.000 vibrations per minute and this together with a high amplitude ensures an excellent compaction of any type of concrete.



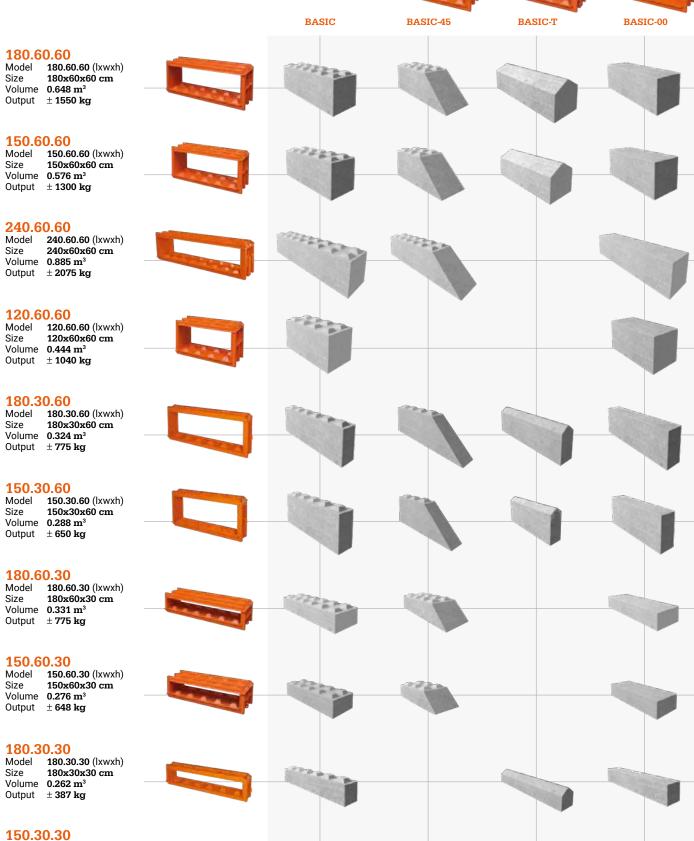
## **CASTING TABLE**

The pouring of a concrete block or barrier should always take place on a flat surface, for example a steel plate. Our casting table is ideal for concrete blocks and barriers, thanks to the adjustable feet with which a smooth product can always be poured regardless of the condition of the surface.

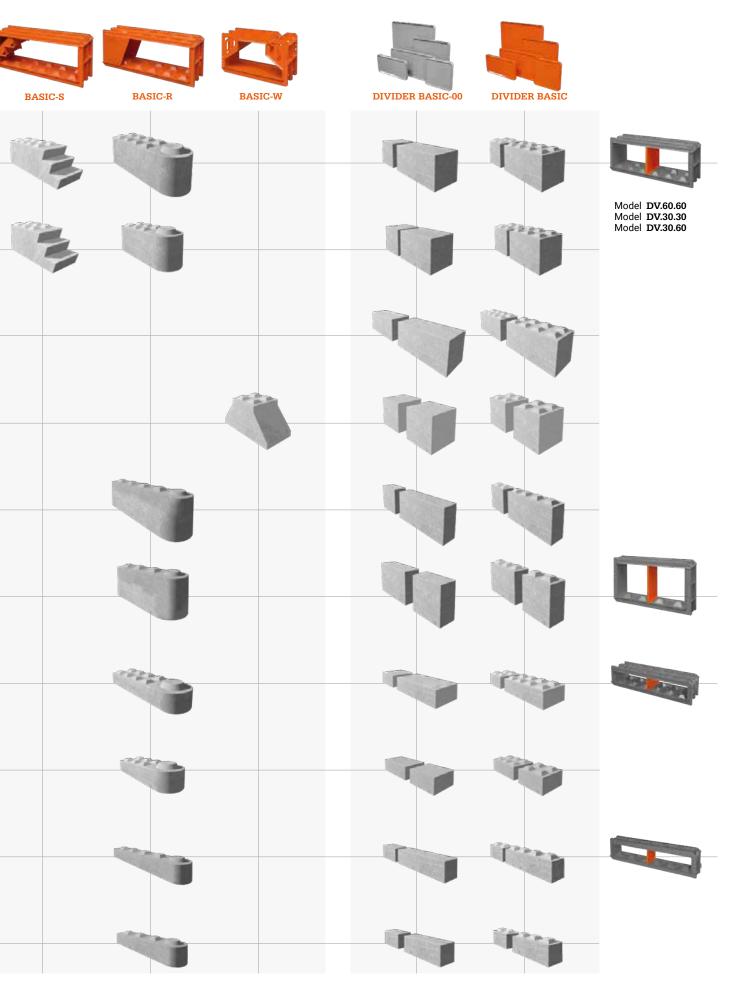
## CONCRETE BLOCK MOULDS SMALL STUDS

## OUTPUT





Model 150.30.30 (lxwxh)
Size 150x30x30 cm
Volume 0.138 m³
Output ± 323 kg





## 40.20.20

## Unique flexibility.

Our 40x20x20 cm concrete block mould is designed for projects requiring small constructions. The indentations on the bottom and the protrusions on the top allow you to stack the blocks securely.

The 40x20x20 cm concrete block mould is available with a 20x20 cm divider, allowing you to easily create multiple small concrete blocks. This enables you to complete your wall with a half concrete block.



## **Specifications**

Size: 40x20x20 cm Volume: 0.016 m³ Weight: 15.5 kg Output: 36 kg

Thanks to its small size and low weight, both the mould and concrete block can be easily moved with light material or simply by hand.







# Versatile solutions

For every industry.

The right concrete mould or equipment for every industry. Betonblock® moulds are used by concrete plants and scrap processors, who use the moulds for sand and gravel, while agricultural businesses use the moulds to build trench silos.

On top of our moulds, Betonblock® also has a wide range of lifting, handling, transport equipment, accessories and more, all so you can start casting concrete immediately.

Concrete blocks take around 24 to 48 hours to cure. We sell a rotator to help rotate the blocks and carry a wide range of lifting and handling gear, including concrete block clamps, forklift attachments and anchors.

Want to make multiple small blocks in one go in a single mould? Look no further, we sell several types of dividers, including stepped models and cover plates for studless concrete blocks. If you do not have a level surface to cast your concrete blocks on, a casting table with adjustable legs may be a perfect solution.



Concrete blocks are also frequently used by government agencies for safety and security purposes, with potential applications including fencing for buildings and land, road barriers, protection for pedestrians, and coastline defenses.

Make your life easier and spray the moulds with oil beforehand for easier separation. And when the work is done, all the moulds, blocks and any other object can be easily cleaned with the Betonblock® portable pressure washer.



## $\label{eq:Betonblock} \textbf{B} \text{ is all about getting its customers high-quality products quickly and efficiently.}$

Products are delivered from stock and often shipped on the same day. Transparency is paramount, all prices are listed on our website and our team is happy to help you choose the most suitable product and matching accessories.

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 competitive shipping rates.



## Innovative system, satisfied customers.

Since we introduced our first generation of steel moulds 20 years ago, our innovative, easy-to-use design has made major waves.

In fact, the Betonblock® system is the fastest-growing system in today's market. It can be said Betonblock® is the market leader in this field for a reason, with more than 7,500 customers in 75 countries worldwide.

Our customers appreciate our high-quality products and fast delivery from our large stock. Powered by years of close cooperation with contractors and experience with concrete products, we can respond quickly to customers needs and wishes.



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.



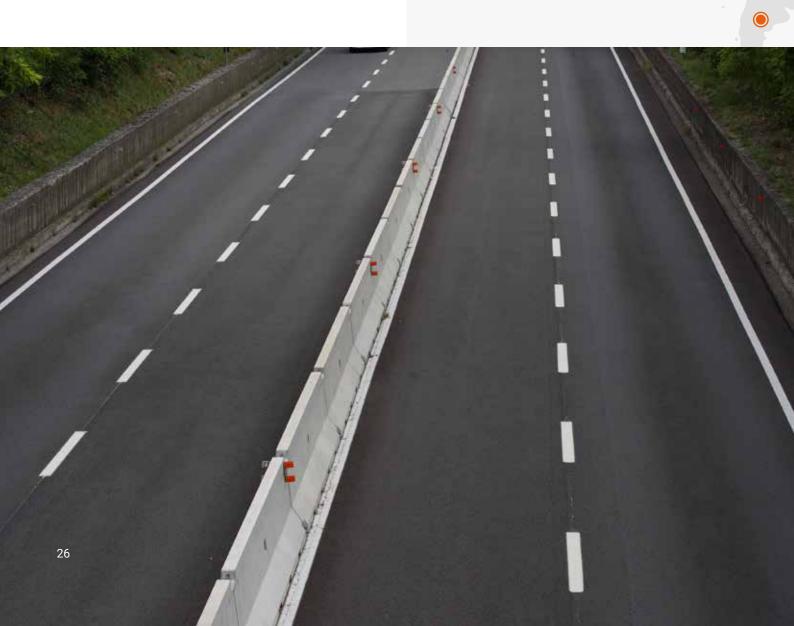
## **Over 7500 customers**

## Safety

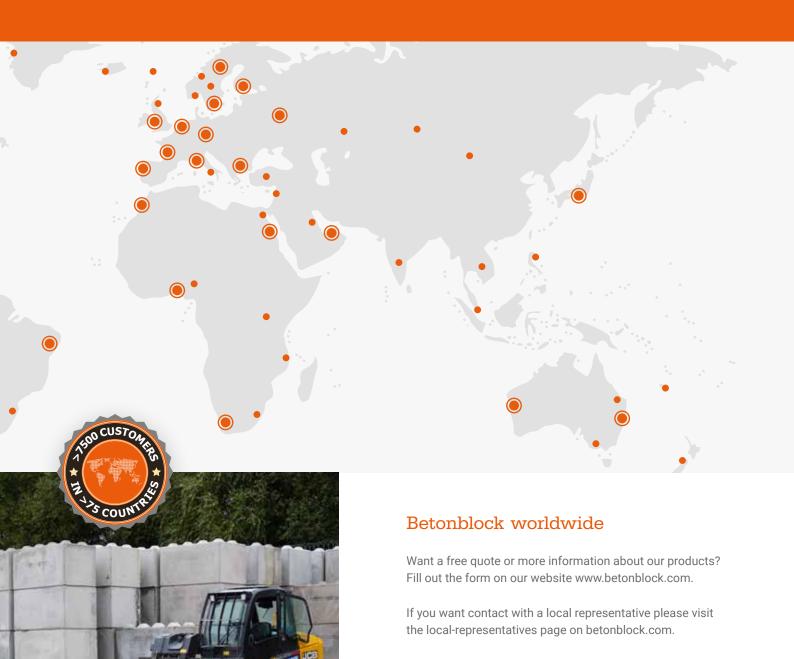
Concrete blocks are the most simple and effective method to fence off an area. Many cities and governments are using blocks as a border between traffic and pedestrian zones to offer citizens a feeling of safety when walking besides a busy road. With a weight of 2400 kg per block they dissipate a prominent No Go zone. Besides that it is fastest way to create and alter a demarcation in a very short period of time.

## >7500 Customers

With customers spanning across more than 75 countries, Betonblock's innovative concrete block solutions have found widespread appeal in various projects.



## In more than 75 countries.



## Betonblock®

Harlingerstraat 26 1704 DP Heerhugowaard The Netherlands T +31 (0)72 503 93 40 info@betonblock.com www.betonblock.com





# High-pressure cleaner

Complete set, start cleaning.

### **High-pressure cleaner specifications**

Working pressure: 230 bar Maximum pressure: 270 bar Water yield: 960 l/h Water tank: 1,000 l Fuel: gasoline Incl. dirt blaster and water filter

### **High-pressure cleaner**

The mobile Betonblock® high-pressure cleaner is ideal for cleaning concrete blocks and related products.

The high-pressure cleaner is independent of power or water connections and can be used anytime and anywhere thanks to its gasoline engine. Fill the water tank with 1,000 liters of water and transport the Betonblock® pressure washer on a trailer to the desired location on the construction site or concrete plant. You can start cleaning right away!





Betonblock®
Harlingerstraat 26
1704 DP Heerhugowaard
The Netherlands

T +31 (0)72 503 93 40 info@betonblock.com www.betonblock.com



## Local representatives

To find your local representative please scan the QR-code and find one near you on our local representative web page.

No dealer near you? please contact info@betonblock.com







