



AMALGAMATED CONCRETE

INDUSTRIAL PRODUCTS

RIB AND BLOCK / BLOCK AND BEAM

Benefits of the Rib and Block Slab System

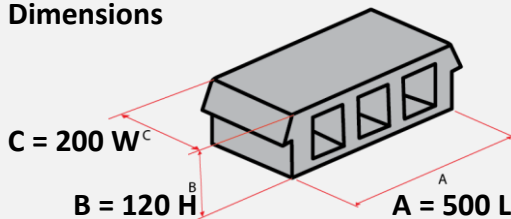
- ✚ This application is suitable in all types of buildings where suspended floors are required.
- ✚ Ideal for residential houses
- ✚ Rib and Block are quicker and less costly to build than traditional shuttered concrete.
- ✚ The best solution for complicated slabs with skylight openings and cantilevers.
- ✚ Simple and quick to install even with unskilled labor.
- ✚ Ideal composite action between lattice lintels and cast-in-situ concrete, optimizing strength / material requirement for cost saving.
- ✚ Rib and Block slabs are assembled by hand.
- ✚ No cranes or other machinery required whereas hollow core slabs are very heavy and require cranes to assemble.

SS 120



16.82 kg

Dimensions

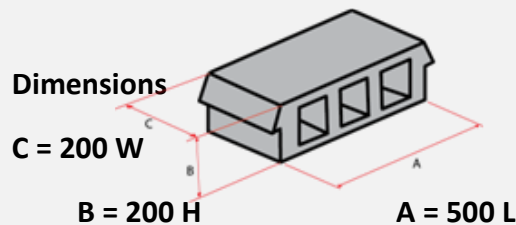


SS 200



22.29 kg

Dimensions

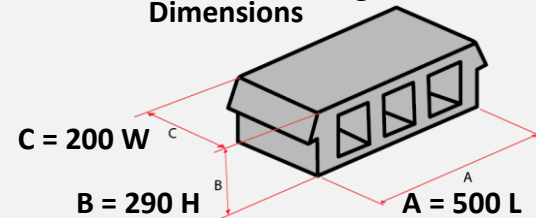


SS 290



37.43 kg

Dimensions



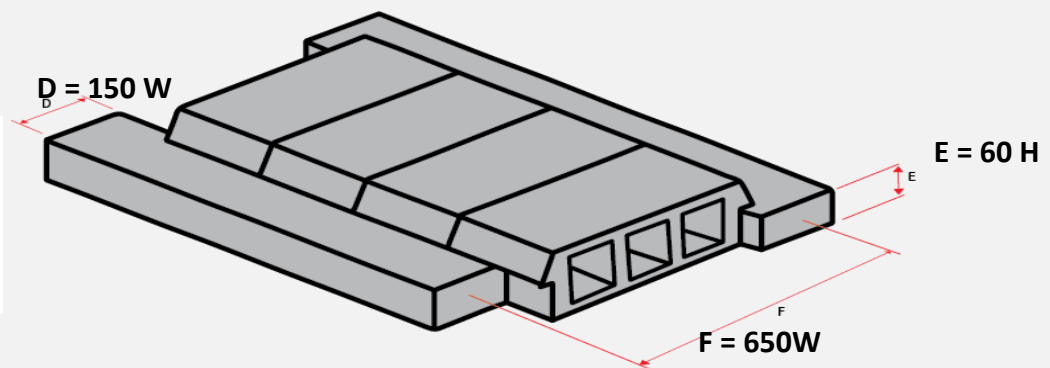
Rib & Block/ Suspended Floor in Use

BEAM



21 KG PER METER

REF 193 = 20 kg





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T-BEAM AND BLOCK

A T-beam slab system is a highly efficient load-bearing structural component shaped like a capital "T" that combines a top horizontal flange with a vertical web.

The Inverted T-Beams: is the load-bearing spine of the system. They are typically pre-stressed to withstand heavy compression and bending forces. T-Beams are used with Infill Blocks: These sit flush between the beams to act as void fillers. They can be made of dense structural concrete, or Expanded Polystyrene for enhanced thermal insulation.

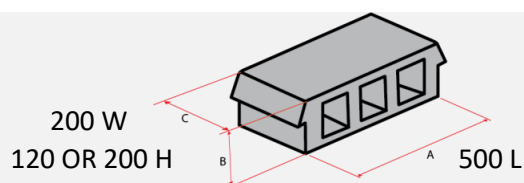
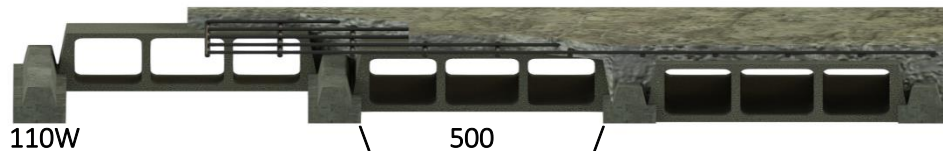
The horizontal flanges of the T-beams support the blocks, creating a rigid grid that is later topped with a thin layer of cast-in-place concrete and reinforcing mesh.

Benefits of the T-Beam and Block Slab System

By adding a reinforced "spine" to each beam they allow for:

- ✚ Longer spans with less support
- ✚ Minimal or no props required for slabs up to 4.2 meters
- ✚ Slabs exceeding 4.2m only a few props down the centre are required
- ✚ Greater load capacity with fewer materials
- ✚ Up to 30% savings on concrete
- ✚ Faster installation time even with unskilled labour
- ✚ Cost Effective Engineering
- ✚ Low Environmental Impact by reducing concrete consumption which lowers CO2 emissions and overall material waste.
- ✚ Enhanced Structural Integrity
- ✚ Suitable for Residential, Industrial and Commercial buildings.

T-Beam In use





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BLOCKS AND BRICKS

M100 BLOCK



Dimensions:	390 [L] x 90[W] x 190 [H]
Strength:	3.5Mpa /7mpa
Blocks per m ² :	12.5
Weight per block:	10.04 kg
Bricks per pallet:	150 = 1506 KG PER PALLET – 21 pallets per load

M140 BLOCK



Dimensions:	390 [L] x 140 [W] x 190 [H]
Strength:	3.5Mpa / 7Mpa
Blocks per m ² :	12.5
Weight per block:	13.41 kg
Bricks per pallet:	100 = 1272 KG PER PALLET – 22 pallets per load

M200 BLOCK



Dimensions:	390[L] x 190[W] x 190[H]
Strength:	3.5 Mpa /7Mpa
Blocks per m ² :	12.5
Weight per block:	16.48 kg
Bricks per pallet:	90 = 1483 KG PER PALLET – 21 pallets per load

COMMON BRICK



Dimensions:	210 [L] x 75 [W] x 100 [H]
Tensile Splitting Strength:	7 Mpa /14Mpa
Weight per brick:	3.34 kg
Bricks per m ² :	56
Bricks per pallet:	500 = 8.93 m ² = 1690 kg per pallet – 19 pallets per load

MAXI BRICK – SOLID - NFP AND NFX



Dimensions:	210 [L] x 90 [W] x 100 [H]
Strength:	7 Mpa /14Mpa
Weight per brick:	4.2 kg
Bricks per m ² :	35
Bricks per pallet	410 = 11.71 m ² = 1722 kg per pallet – 18 pallets per load

MAXI BRICK – HOLLOW - NFP AND NFX



Dimensions:	210 [L] x 90 [W] x 100 [H]
Strength:	7 Mpa /14Mpa
Weight per brick:	3.5kg
Bricks per m ² :	35
Bricks per pallet	410 = 11.71m ² = 1435 kg per pallet – 22 pallets per load

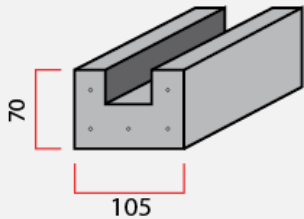


AMALGAMATED CONCRETE

LINTELS

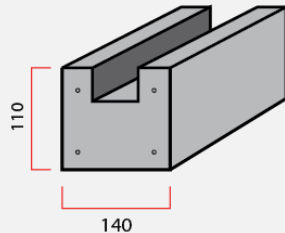
All lintels are available from 900mm to 6m in 300mm increments. Longer lengths are available on request.

BRICK LINTELS



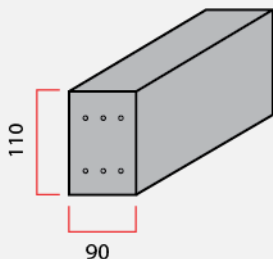
Dimensions:	105mm [W] x 70mm [H]
Tensile Splitting Strength:	40 Mpa
Weight per meter:	15 KG / M
Meter per 13 ton:	933 m
WIRE:	3 < 4 wire 3.3 > 5 wire

BLOCK LINTELS



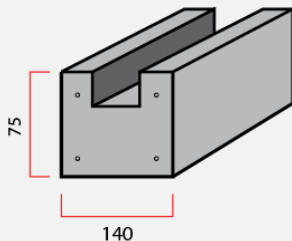
Dimensions:	140[W] x 110[H]
Tensile Splitting Strength:	40 Mpa
Weight per meter:	25 KG / M
Meter per 13 ton:	560 m
WIRE:	3 < 5 wire 3.3 > 7 wire

MAXI LINTELS



Dimensions:	90mm [W] x 110mm [H]
Tensile Splitting Strength:	40 Mpa
Weight per meter:	20 kg /m
Meter per 13 ton:	700 m
WIRE:	3 < 4 wire 3.3 > 5 wire

S BLOCK LINTELS



Dimensions:	140mm [W] x 75mm [H]
Tensile Splitting Strength:	40 Mpa
Weight per meter:	17 kg /m
Meter per 13 ton:	823 m



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KERBS

FIG 6



Dimensions: 1000[L] x 230[H] x 125/75[W]
 Strength: 25 Mpa
 Weight: 54kg
 Kerbs per pallet: 25

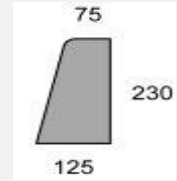
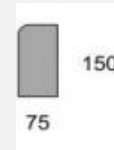


Fig 12



Dimensions: 1000[L] x 75[W] x 150[H]
 Tensile Splitting Strength: 25 Mpa
 Weight per brick: 27.4 kg
 Kerbs per pallet: 50



GARDEN KERBS

NEW



Dimensions: 750[L] x 75[W] x 100[H]
 Tensile Splitting Strength: 25 Mpa
 Weight per kerb: 12kg
 Kerbs per pallet: 100



AMALGAMATED CONCRETE

INTERLOCKING PAVERS

Interlocking Pavers are ideally shaped to distribute concentrated heavy loads so that the underground material is no as distressed as when a rigid surface had been used.

Commercial Interlocking Pavers provide durable surfaces that can be used in a variety of ways to enhance the appearance and functionality of any landscape.

AVAILABLE COLOURS:

Colors may vary from picture due to picture display properties.

Grey

Charcoal

Burgundy / plum

Brown

Sandstone / Tan



80mm Interlocking Paver Bricks

DESCRIPTION



Dimensions:	200 [L] x 100 [W] x 80mm [H]
Strength:	30Mpa / 40Mpa
Weight per brick:	3.18kg
Bricks per m ² :	49 or 5 per running meter
Bricks per pallet:	400 = 8.16m ² = 1272 KG PER PALLET – 25 pallets per load

60mm Interlocking Paver Bricks

DESCRIPTION



Dimensions:	200m [L] x 100 [W] x 60mm [H]
Strength:	20Mpa / 30Mpa
Weight per brick:	2.4 kg
Bricks per m ² :	49 or 5 per running meter
Bricks per pallet:	600 = 12.24 m ² = 1440 KG PER PALLET – 22 pallets per load



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COBBLE PAVERS

COLOURS: CHARCOAL, TERRACOTTA, NATURAL, SANDSTONE



Dimensions: 110 x 110 x 50
Weight: 1.4 kg
Per Pallet: 810 = 10m² = 1134 ton



Dimensions: 160 x 160 x 50
Weight: 2.8 kg
Per Pallet: 390 = 10m² = 1092 ton

FLAGSTONE PAVERS

AVAILABLE SIZES:

P10 - 200 X 200 = 3.45KG
P 9 - 400 X 200 = 6.65KG
P13 - 400 X 400 = 14.5KG
P 7 - 450 X 450 = 17.95KG
P26 - 500 X 500 = 21KG

COLOURS: CHARCOAL, TERRACOTTA, NATURAL



LARGE PAVERS



P30
SIZE 1000 X 1000 X 45
WEIGHT: 98 KG



P29
SIZE 1000L X500W X42H
WEIGHT: 51KG



P31 ROUND PAVER
SIZE 600MM
WEIGHT: 28KG

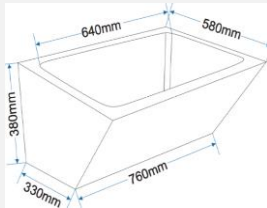
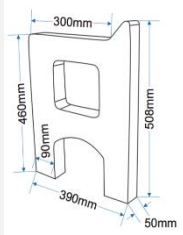




AMALGAMATED CONCRETE

Miscellaneous

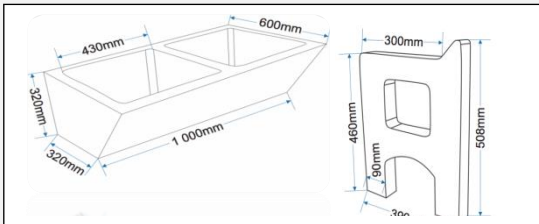
SINGLE WASH TROUGH



Dimensions: 760[L] x 320[W] x 360+460 [H]
Weight: 162kg



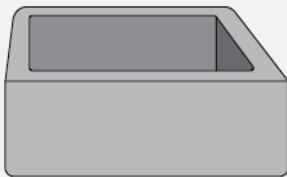
DOUBLE WASH TROUGH



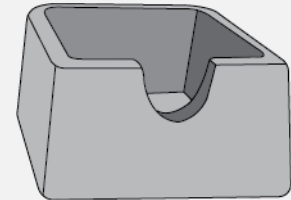
Dimensions: 1000[L] x 600 [W] x 320 + 460 [H]
Weight: 184kg



GULLEYS



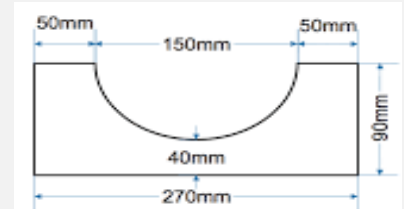
Dimensions: 350[L] x 350[W] x 120[H]
Strength: 20 Mpa
Weight: 17 kg
Per pallet: 40



SURFACE WATER CHANNEL



Dimensions: 1000[L] x 270[W] x 90[H]
Weight : 63.6 kg



STOP END WATER CHANNEL



Dimensions: 620 [L] x 285[W] x 90/100 [H]
Weight: 50 kg



AMALGAMATED CONCRETE

Grass Blocks

Grass blocks are the new generation driveway and parking lot alternative. This eco-friendly green product is designed to give maximum load bearing below and allow maximum grass coverage on the surface.

Amalgamated Concrete produce heavy duty grass blocks, extremely robust and able to withstand trucks yet giving a natural look for your driveway or parking lot, which can be mowed.

Installation is easy as there are 4 blocks per m², making them cost effective to lay.

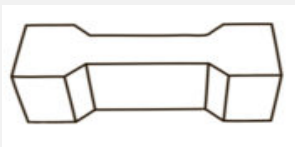
Grass Blocks



Dimensions: 600[L] x 400[W] x 100[H]
Weight: 33 kg
Blocks per m²: 4
Per Pallet: 40 = 1320kg



Dog Bone



Dimensions: 310[L] x 95[W] x 60[H]
Weight: 22kg



RETAINER BLOCK



Dimensions: 300[L] x 400[W] x 220 / 200 [H]
Weight: 30.75 kg - 32 blocks per pallet
Blocks per m²: Approximately 7 blocks per m²
Approximately 2.2 per running meter



Dimensions: 300[L] x 190[W] x 5MM THICK
Weight: 5.5KG

STEPS



Dimensions: 1000[L] x 350[W] x 180[H]
Strength: 40 Mpa
Weight: 56kg



AMALGAMATED CONCRETE

COVER BLOCKS

A cover block is basically a spacer that is used to lift the rebar matrix off the ground so that concrete may flow underneath the rebar.

SIZES AVAILABLE: 75mm, 50mm, 40mm, 30mm

Cover Blocks are used:

1. To maintain a specified spacing between the rebar and the shuttering.
2. To prevent the steel reinforcement bars from environmental effects to protect their corrosion.
3. To furnish thermal insulation, which prevents the reinforcement bars from fire.
4. To provide reinforcing bars sufficient embedding to enable them to be stressed without slipping.

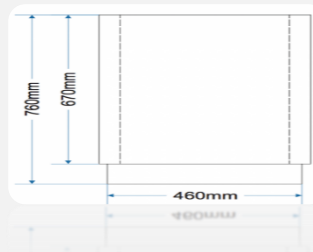
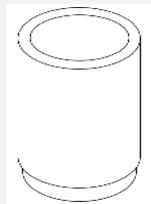
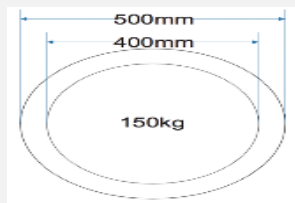
Size of Cover Blocks for Structural Members

Listed below is the size of cover blocks for different structural members which are normally used in construction.



- Size of Cover Blocks for Beam = Minimum 20 mm
- Size of Cover Blocks for Column = Minimum 40 mm
- Size of Cover Blocks for Footing = Minimum 50 mm
- Size of Cover Blocks for Shear Wall = Minimum 30 mm
- Size of Cover Blocks for Retaining Wall = Minimum 20 mm
- Size of Cover Blocks for Staircase = Minimum 15 mm

DUSTBIN



Dimensions:

480[W] 750[H]

Weight:

142 kg

UMBRELLA BASE

30 KG



45 KG

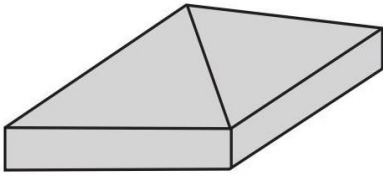




AMALGAMATED CONCRETE

CAPPINGS

PYRAMID



Standard Sizes available

Dimensions: 450 x 450

Weight: 55 kg

Dimensions: 580 x 580

CONE

Standard Sizes available

Large: 450 x 450

Weight: 84.45 kg

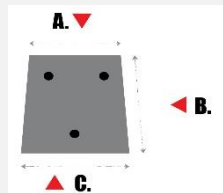


Medium: 400 x 400

Weight: 53.9 kg

PALISADE FENCING

PALE 37 kg



LENGTH: 2400MM

A = FRONT: 80MM

B = WIDTH: 75MM

C = REAR: 95MM

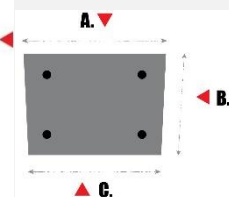
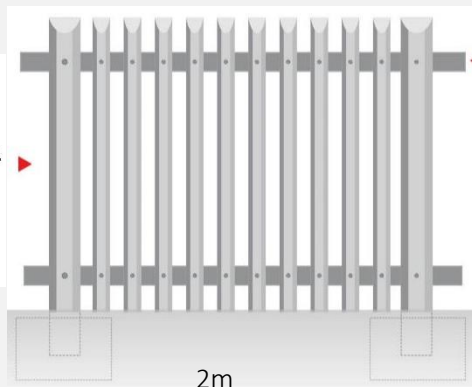
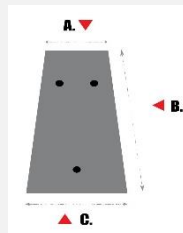
POLE 174 kg

LENGTH: 3000MM

A = FRONT: 80MM

B = WIDTH: 225MM

C = REAR: 130MM



RAIL / CROSS BAR = 53 kg

LENGTH: 2000MM

A = FRONT: 155MM

B = WIDTH: 85MM

C = REAR: 150MM

2M FENCE = 9 X PALES + 2 X CROSS BARS + 2 X POLES



AMALGAMATED CONCRETE

COLUMNS

We supply the following columns:

Hollow Column with Cap and Base	2.1 m x 220 DIA
Round Column with Cap and Base	2.1 m x 220 DIA
Venetian Column	2.1 m x 220 DIA
Scroll Column	2.4 m x 220 DIA
Twisted Column	2.1 m x 220 DIA
Twisted Column Large	

