



**BAINES
MASONRY**
Quality First

Concrete Masonry

made with **BETTA BLOCK™** technology



... **STRONGER, CLEANER & GREENER**

Australian Owned, Designed and Manufactured

member of



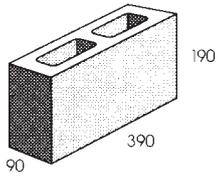
BAINES MASONRY
900 Wilton Road (P.O. Box 89) Appin NSW 2560
Tel: (02) 4631 1383 Fax: (02) 4631 1402
info@bainesmasonry.com.au
www@bainesmasonry.com.au

GREY BETTA BLOCK™

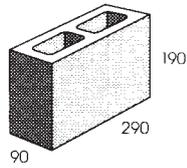
100 mm SERIES

90mm Thick Walls

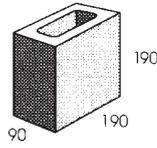
fcu10



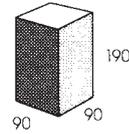
10.01
Hollow - full length



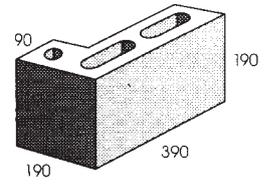
10.02
Hollow - three quarter



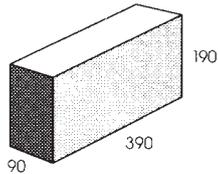
10.03
Hollow - half



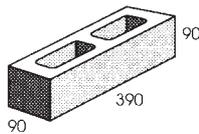
10.04
Solid - quarter



10.25
Hollow - corner return



10.31
Solid - full length

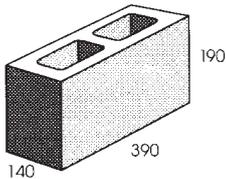


10.71
Hollow - half high

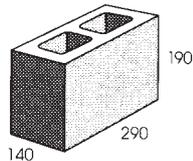
150 mm SERIES

140mm Thick Walls

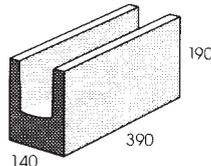
fcu15



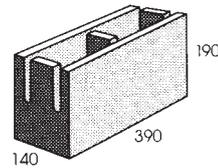
15.01
Hollow - full length



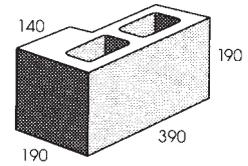
15.02
Hollow - three quarter



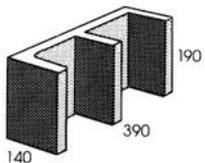
15.12
Lintel



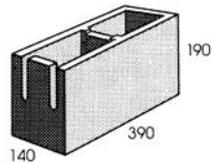
15.20
Knock-out bond beam



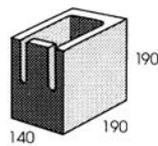
15.25
Hollow - corner return



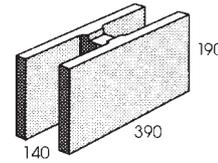
15.45
Clean-out stretcher



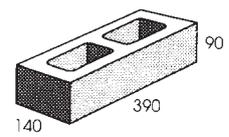
15.41
Closed end



15.43
Closed end - half



15.48
'H' block



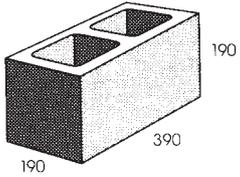
15.71
Hollow - half high

Concrete Masonry Units manufactured by Baines Masonry are manufactured to AS/NZS4455.1 Masonry Units and Segmental Pavers and tested to AS/NZS4456 Masonry Units and Segmental Pavers/: Method of Test.

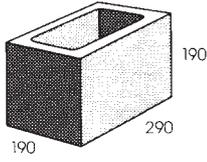
Betta Block™ is a trade mark of Baines Masonry.
Please see our full terms and conditions on our website www.bainesmasonry.com.au



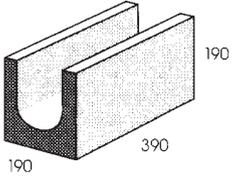
200 mm SERIES



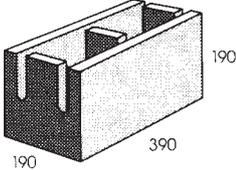
20.01
Hollow - full length



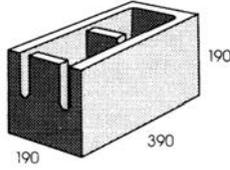
20.02
Hollow - three quarter



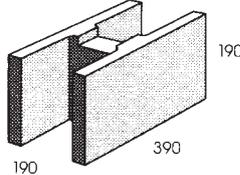
20.12
Lintel



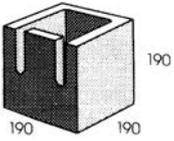
20.20
Knock-out bond beam



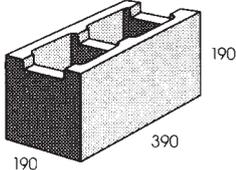
20.41
Closed end



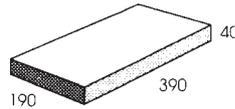
20.48
'H' block



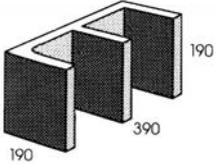
20.43
Closed end - half



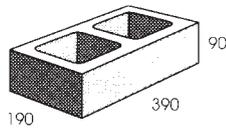
20.42
Channel



50.31
200mm capping tile

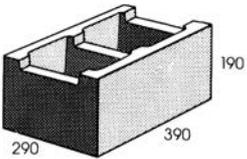


20.45
Clean-out stretcher

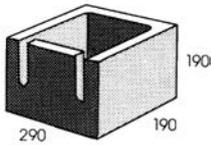


20.71
Half high

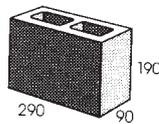
300 mm SERIES



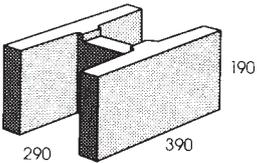
30.42
Top groove



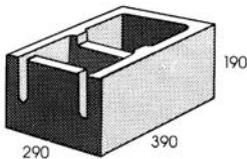
20.02/30.43
Hollow - half/
Closed end - half



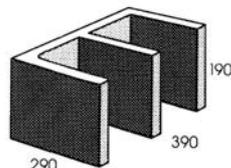
30.04
(10.02)
Hollow - quarter



30.48
'H' block



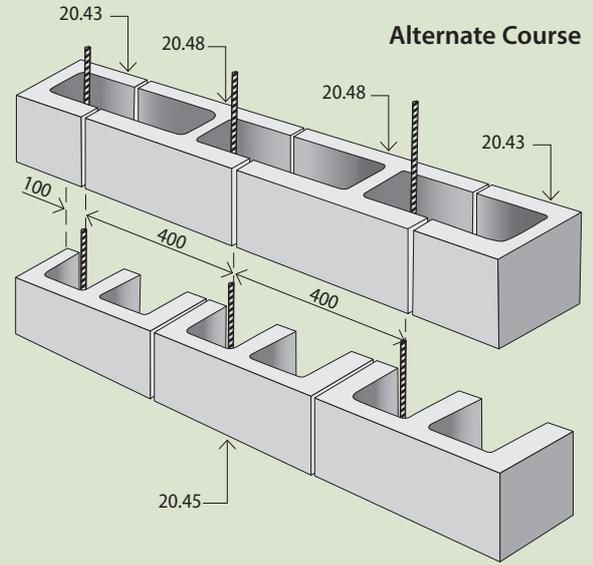
30.41
Closed end



30.45
Clean-out stretcher

190mm Thick Walls

fcu15



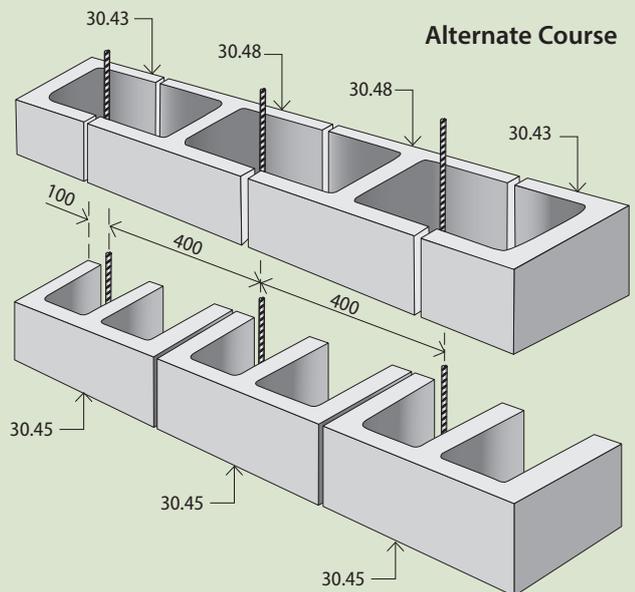
200 clean out course and starter bar set out



290mm Thick Wall Pictured

290mm Thick Walls

fcu15



300 clean out course and starter bar set out

Number of Courses	Wall Height
1	0.2 m
2	0.4 m
3	0.6 m
4	0.8 m
5	1.0 m
6	1.2 m
7	1.4 m
8	1.6 m
9	1.8 m
10	2.0 m
11	2.2 m
12	2.4 m
13	2.6 m
14	2.8 m
15	3.0 m
16	3.2 m
17	3.4 m
18	3.6 m
19	3.8 m
20	4.0 m
21	4.2 m
22	4.4 m
23	4.6 m
24	4.8 m
25	5.0 m
26	5.2 m
27	5.4 m
28	5.6 m
29	5.8 m
30	6.0 m
31	6.2 m
32	6.4 m
33	6.6 m
34	6.8 m
35	7.0 m
36	7.2 m

No.of Horizontal Blocks	Wall Lengths
1	0.4 m
1½	0.6 m
2	0.8 m
2½	1.0 m
3	1.2 m
3½	1.4 m
4	1.6 m
4½	1.8 m
5	2.0 m
5½	2.2 m
6	2.4 m
6½	2.6 m
7	2.8 m
7½	3.0 m
8	3.2 m
8½	3.4 m
9	3.6 m
9½	3.8 m
10	4.0 m
11	4.4 m
12	4.8 m
13	5.2 m
14	5.6 m
15	6.0 m
16	6.4 m
17	6.8 m
18	7.2 m
19	7.6 m
20	8.0 m
25	10.0 m
30	12.0 m
35	14.0 m
40	16.0 m
45	18.0 m
50	20.0 m

LENGTHS ARE NOMINAL FOR ACTUAL OPENING SIZES - ADD 10MM FOR ACTUAL PIER SIZE - DEDUCT 10MM



BAINES MASONRY
Quality First

HOW TO GET THE BEST RESULTS FROM BAINES MASONRY'S BLOCKS

DO NOT WET BLOCKS

Baines Masonry's blocks should be dry when laid in the wall to minimise subsequent shrinkage.

CLEANING CONCRETE MASONRY

Keep mortar off the face of the blocks. Clean off droppings as work progresses and before mortar sets.

Cleaning down with acid should be avoided whenever possible.

A guide to cleaning concrete masonry is available at Baines Masonry or full technical details are available from the Concrete Masonry Association web site - www.cmaa.com.au

COLOUR

Care should be taken to order enough product to complete the project at the same time to avoid the possibility of batch variations.

CONTROL OF SHRINKAGE CRACKING

Concrete Masonry's blocks behave differently to clay brick in regard to moisture movement and temperature changes. Assuming sound foundations are provided, cracks in walls can be avoided by the correct use of control joints, bond beams and/or joint reinforcement.

Rules for the use of these elements are contained in **Australian Standard 3700-2011**

USEFUL ESTIMATING DATA

Blocks with 390x190mm face = 12.5 units per square metre and 2.5 units per lineal metre.

To fill 200mm bond beams allow 0.013m³ of concrete per lineal metre of beam.

To core fill 150mm 'H' blocks allow 0.65m³ of concrete per 100 blocks.

To core fill 200mm blocks allow 0.8m³ of concrete per 100 blocks.

To core fill 200mm 'H' blocks allow 0.84m³ of concrete per 100 blocks.

To core fill 300mm blocks allow 1.1m³ of concrete per 100 blocks.

To core fill 300mm 'H' blocks allow 1.32m³ of concrete per 100 blocks.

Mortar Classification

AS3700 CLASS	CEMENT	LIME	SAND	TYPICAL APPLICATIONS
M4	1	0 TO 0.25	3	High durability - use when in contact with earth, in retaining walls, below DPC'2, in fences adjacent to the sea, in capping courses to fences and parapets.
M4	1 +1	0.5 WATER THICKENER	4.5 4	Structural Blockwork and severe exposure - fences - external walls adjacent to seafront
M3	1 1+	1 WATER THICKENER	6 5	General Purpose with moderate exposure

Mortar Classification. AS 3700-2011 Table 10.1

WATER THICKNER referred to in this table is methyl cellulose.