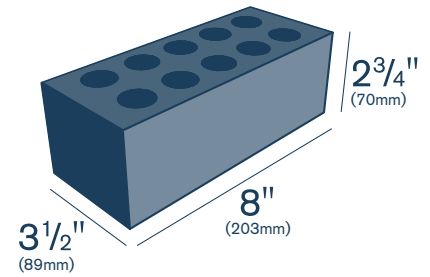


## Engineer

8" length X 2 3/4" height X 3 1/2" bed depth  
 203mm length X 70mm height X 89mm bed depth



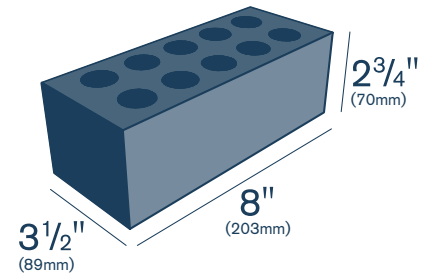
### vertical coursing 3/8" mortar joint (always one brick + one joint in the table below)

### horizontal coursing 3/8" mortar joint

No. of courses / units	2 1/4" high	2 3/4" high	57mm high	8" long	7 5/8" long	194mm long
1	0' - 2 2/3"	0' - 3 1/5"	67	0' - 8 3/8"	0' - 8"	204
2	0' - 5 1/2"	0' - 6 2/5"	133	1' - 4 3/4"	1' - 4"	408
3	0' - 8"	0' - 9 3/5"	200	2' - 1 1/8"	2' - 0"	612
4	0' - 10 2/3"	1' - 0 4/5"	267	9 1/2"	2' - 8"	816
5	1' - 1 1/3"	1' - 4"	333	3' - 5 7/8"	3' - 4"	1020
6	1' - 4"	1' - 7 1/15"	400	4' - 2 1/4"	4' - 0"	1224
7	1' - 6 2/3"	1' - 10 2/5"	467	4' - 10 5/8"	4' - 8"	1428
8	1' - 9 1/3"	2' - 1 3/5"	533	5' - 7"	5' - 4"	1632
9	2' - 0"	2' - 4 4/5"	600	6' - 3 3/8"	6' - 0"	1836
10	2' - 2 2/3"	2' - 8"	667	6' - 11 3/4"	6' - 8"	2040
11	2' - 5 1/3"	2' - 11 1/5"	733	7' - 8 1/8"	7' - 4"	2244
12	2' - 8"	3' - 2 2/5"	800	8' - 4 1/2"	8' - 0"	2448
13	2' - 10 2/3"	3' - 5 3/5"	867	9' - 0 7/8"	8' - 8"	2652
14	3' - 1 1/3"	3' - 8 4/5"	933	9' - 9 1/4"	9' - 4"	2856
15	3' - 4"	4' - 0"	1000	10' - 5 5/8"	10' - 0"	3060
16	3' - 6 2/3"	4' - 3 1/5"	1067	11' - 2"	10' - 8"	3264
17	3' - 9 1/3"	4' - 6 2/5"	1133	11' - 10 3/8"	11' - 4"	3468
18	4' - 0"	4' - 9 3/5"	1200	12' - 6 3/4"	12' - 0"	3672
19	4' - 2 2/3"	5' - 0 4/5"	1267	13' - 3 1/8"	12' - 8"	3876
20	4' - 5 1/3"	5' - 4"	1333	13' - 11 1/2"	13' - 4"	4080
25	5' - 6 2/3"	6' - 8"	1667	17' - 5 3/8"	16' - 8"	5100
50	11' - 1 1/3"	13' - 4"	3333	34' - 10 3/4"	33' - 4"	10200
100	22' - 2 2/3"	26' - 8"	6667	69' - 9 1/2"	66' - 8"	20400

## Engineer

8" length X 2 3/4" height X 3 1/2" bed depth  
 203mm length X 70mm height X 89mm bed depth



### vertical coursing 1/2" mortar joint (always one brick + one joint in the table below)

### horizontal coursing 1/2" mortar joint

No. of courses	2 1/4" high	2 3/4" high	No. of units	7 5/8" long	8" long
1	0' - 2 3/4"	0' - 3 1/4"	1	0-8 1/8"	0-8 1/2"
2	0' - 5 1/2"	0' - 6 1/2"	2	1' - 4 1/4"	1' - 5"
3	0' - 8 1/4"	0' - 9 3/4"	3	2' - 0 3/8"	2' - 1 1/2"
4	0 - 11"	1' - 1"	4	2' - 8 1/2"	2' - 10"
5	1' - 1 3/4"	1' - 4 1/4"	5	3' - 4 5/8"	3' - 6 1/2"
6	1' - 4 1/2"	1' - 7 1/2"	6	4' - 0 3/4"	4' - 3"
7	1' - 7 1/4"	1' - 10 3/4"	7	4' - 8 7/8"	4' - 11 1/2"
8	1' - 10"	2' - 2"	8	5' - 5"	5 - 8"
9	2' - 0 3/4"	2' - 5 1/4"	9	6' - 1 1/8"	6' - 4 1/2"
10	2' - 3 1/2"	2' - 8 1/2"	10	6' - 9 1/4"	7' - 1"
11	2' - 6 1/4"	2' - 11 3/4"	11	7' - 5 3/8"	7' - 9 1/2"
12	2' - 9"	3' - 3"	12	8' - 1 1/2"	8' - 6"
13	2' - 11 3/4"	3' - 6 1/4"	13	8' - 9 5/8"	9' - 2 1/2"
14	3' - 2 1/2"	3' - 9 1/2"	14	9' - 5 3/4"	9' - 11"
15	3' - 5 1/2"	4' - 0 3/4"	15	10' - 1 7/8"	10' - 7 1/2"
16	3' - 8"	4' - 4"	16	10' - 10"	11' - 4"
17	3' - 10 3/4"	4' - 7 1/4"	17	11' - 6 1/8"	12' - 0 1/2"
18	4' - 1 1/2"	4' - 10 1/2"	18	12' - 2 1/4"	12' - 9"
19	4' - 4 1/4"	5' - 1 3/4"	19	12' - 10 3/8"	13' - 5 1/2"
20	4' - 7"	5' - 5"	20	13' - 6 1/2"	14' - 2"
25	5' - 8 3/4"	6' - 9 1/4"	25	16' - 11 1/8"	17' - 8 1/2"
50	11' - 5 1/2"	13' - 6 1/2"	50	33' - 10 1/4"	35' - 5"
100	22' - 11"	27' - 1"	100	67' - 8 1/2"	70' - 10"