

# Bike Space Converter

## Semi-Vertical

Number of spaces	Distance required (m)
1	0.60
2	0.95
3	1.30
4	1.65
5	2.00
6	2.35
7	2.70
8	3.05
9	3.40
10	3.75
11	4.10
12	4.45
13	4.80
14	5.15
15	5.50
16	5.85
17	6.20
18	6.55
19	6.90
20	7.25
21	7.60
22	7.95
23	8.30
24	8.65
25	9.00
26	9.35
27	9.70
28	10.05
29	10.40
30	10.75

With the space you have, deduct 600mm for the 300mm space required at either end. Then divide that by 350mm centres. Plus 1.

$$(SPACE - 600) / 350 + 1$$

## X Type

Number of spaces	Distance required (m)
1	0.60
2	0.80
3	1.00
4	1.20
5	1.40
6	1.60
7	1.80
8	2.00
9	2.20
10	2.40
11	2.60
12	2.80
13	3.00
14	3.20
15	3.40
16	3.60
17	3.80
18	4.00
19	4.20
20	4.40
21	4.60
22	4.80
23	5.00
24	5.20
25	5.40
26	5.60
27	5.80
28	6.00
29	6.20
30	6.40

With the space you have, deduct 600mm for the 300mm space required at either end. Then divide that by 200mm centres. Plus 1.

$$(SPACE - 600) / 200 + 1$$

## Vertical

Number of spaces	Distance required (m)
1	0.70
2	1.05
3	1.40
4	1.75
5	2.10
6	2.45
7	2.80
8	3.15
9	3.50
10	3.85
11	4.20
12	4.55
13	4.90
14	5.25
15	5.60
16	5.95
17	6.30
18	6.65
19	7.00
20	7.35
21	7.70
22	8.05
23	8.40
24	8.75
25	9.10
26	9.45
27	9.80
28	10.15
29	10.50
30	10.85

With the space you have, deduct 700mm for the 350mm space required at either end. Then divide that by 350mm centres. Plus 1.

$$(SPACE - 700) / 350 + 1$$

## Sheffield Stands

Number of stands	Distance required (m)
1	0.80
2	1.60
3	2.40
4	3.20
5	4.00
6	4.80
7	5.60
8	6.40
9	7.20
10	8.00
11	8.80
12	9.60
13	10.40
14	11.20
15	12.00
16	12.80
17	13.60
18	14.40
19	15.20
20	16.00
21	16.80
22	17.60
23	18.40
24	19.20
25	20.00
26	20.80
27	21.60
28	22.40
29	23.20
30	24.00

With the space you have, deduct 800mm for the 400mm space required at either end. Then divide that by 800mm centres. Plus 1.

$$(SPACE - 800) / 800 + 1$$

## Sheffield Stands 45deg. fishtail

Number of stands	Distance required (m)
1	1.65
2	2.78
3	3.91
4	5.04
5	6.17
6	7.30
7	8.43
8	9.56
9	10.69
10	11.82
11	12.95
12	14.08
13	15.21
14	16.34
15	17.47
16	18.60
17	19.73
18	20.86
19	21.99
20	23.12
21	24.25
22	25.38
23	26.51
24	27.64
25	28.77
26	29.90
27	31.03
28	32.16
29	33.29
30	34.42

Allows 800mm space for bikes between stands. 1.65m is one stand including space for 2 bikes, plus 1.13m extra length for each extra sheffield stand added.

## Two Tier

Number of spaces	Distance required (m)
2	0.60
4	1.00
6	1.40
8	1.80
10	2.20
12	2.60
14	3.00
16	3.40
18	3.80
20	4.20
22	4.60
24	5.00
26	5.40
28	5.80
30	6.20
32	6.60
34	7.00
36	7.40
38	7.80
40	8.20
42	8.60
44	9.00
46	9.40
48	9.80
50	10.20
52	10.60
54	11.00
56	11.40
58	11.80
60	12.20

With the space you have, deduct 600mm for the 300mm space required at either end. Then divide that by 400mm centres. Plus 1. Multiply by 2.  
 $(SPACE - 600) / 400 + 1 * 2$

## Toast Racks

3 Stands	Number of spaces	Distance required (m)
1	6	2.40
2	12	4.80
3	18	7.20
4	24	9.60
5	30	12.00
6	36	14.40
7	42	16.80
8	48	19.20

  

4 Stands	Number of spaces	Distance required (m)
1	8	3.20
2	16	6.40
3	24	9.60
4	32	12.80
5	40	16.00
6	48	19.20
7	56	22.40
8	64	25.60

  

5 Stands	Number of spaces	Distance required (m)
1	10	4.00
2	20	8.00
3	30	12.00
4	40	16.00
5	50	20.00
6	60	24.00
7	70	28.00
8	80	32.00

Allow for the 400mm space required at either end. Then add 800mm per stand.