

# Bike Space Converter

Semi Vertical / HD Spaces	Space needed (m)
350mm centres	
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

X Racks / HD Spaces	Space needed (m)
350mm centres	
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

Vertical Spaces	Space needed (m)
350mm centres High 1450mm / Low 1150mm	
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

Sheffield Stands	Space needed (m)
800mm centres	
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

Sheffield 45deg fishtail	Space needed (m)
800mm centres	
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

Double Tier Spaces	Space needed (m)
400mm centres	
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

3-Stand Toasts	Spaces	Space needed (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
9	54	21.60
4-Stand Toasts	Spaces	Space needed (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
9	72	28.80
5-stand Toasts	Spaces	Space needed (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

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

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

Allow for 350mm space required at either end. Then add 350mm per Vertical Rack.

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

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.

With the space you have, deduct 600mm for the 300mm space required at either end. Then divide that by 400mm centres.

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