

Recommended Spacing Between Curlex® Sediment Log® in Channelized Flow Applications

Channel Gradient (%)	Spacing Between Products (m)			
	6 in Curlex Sediment Log	9 in Curlex Sediment Log	12 in Curlex Sediment Log	20 in Curlex Sediment Log
0.5	27.94	41.66	55.88	76.20
1	13.97	20.83	27.94	38.10
1.5	9.31	13.89	18.63	25.40
2	6.99	10.41	13.97	19.05
2.5	5.59	8.33	11.18	15.24
3	4.66	6.94	9.31	12.70
3.5	3.99	5.95	7.98	10.89
4	3.49	5.21	6.99	9.53
4.5	3.10	4.63	6.21	8.47
5	2.79	4.17	5.59	7.62
5.5	2.54	3.79	5.08	6.93
6	2.33	3.47	4.66	6.35
6.5	2.15	3.20	4.30	5.86
7	2.00	2.98	3.99	5.44
7.5	1.86	2.78	3.73	5.08
8	1.75	2.60	3.49	4.76
8.5	1.64	2.45	3.29	4.48
9	1.55	2.31	3.10	4.23
9.5	1.47	2.19	2.94	4.01
10	1.40	2.08	2.79	3.81
11	1.27	1.89	2.54	3.46
12	1.16	1.74	2.33	3.18
13	1.07	1.60	2.15	2.93
14	1.00	1.49	2.00	2.72
15	0.93	1.39	1.86	2.54
16	0.87	1.30	1.75	2.38
17	0.82	1.23	1.64	2.24
18	0.78	1.16	1.55	2.12
19	0.74	1.10	1.47	2.01
20	0.70	1.04	1.40	1.91
25	0.56	0.83	1.12	1.52
30	0.47	0.69	0.93	1.27
35	0.40	0.60	0.80	1.09
40	0.35	0.52	0.70	0.95
45	0.31	0.46	0.62	0.85
50	0.28	0.42	0.56	0.76

Notes:

1. Spacing of Curlex Sediment Logs is calculated by:

$$[\text{Distance between channel bottom and top of installed Curlex Sediment Log (ft)} / \text{Channel gradient (\%)}] * 100 = \text{Curlex Sediment Log Spacing (ft)}$$

2. Curlex Sediment Log Spacing (ft) * 0.3048 = Curlex Sediment Log Spacing (m)

3. Minimum installed heights used for determining spacing values in table. Minimum installed heights of 6 in, 9 in, 12 in, and 20 in Curlex Sediment Logs are 14.0 cm (5.5 in), 20.8 cm (8.2 in), 27.9 cm (11.0 in), and 38.1 cm (15.0 in), respectively.