

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

Channel Gradient (%)	Spacing Between Products (m)			
	6" Curlex Sediment Log	9" Curlex Sediment Log	12" Curlex Sediment Log	20" 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.  $\text{Curlex Sediment Log Spacing (ft)} * 0.3048 = \text{Curlex Sediment Log Spacing (m)}$

3. Minimum installed heights used for determining spacing values in table. Minimum installed heights of 6", 9", 12", and 20" 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.