

Recommended Flexi Baffle Size and Spacing

Table 1 provides our recommended **Flexi Baffle** length depending upon the culvert diameter. These are guidelines. The actual installation can vary dependent upon the goals of the Aquatic Organism Passage goals of the project. Let us know how we can help with your project!

Table 1. Recommended Flexi Baffle Length vs. Culvert Diameter						
Culvert Diameter (in.)	Culvert Diameter (ft.)	Culvert Diameter (mm)	Baffle Length (ft.)	Baffle Length (mm)	Cut Spacing (in.)	Cut Spacing (mm)
12	1.0	305	1.0	305	3.0	76
18	1.5	457	1.5	457	3.0	76
24	2.0	610	2.0	610	3.0	76
36	3.0	914	3.0	914	4.0	102
48	4.0	1219	4.0	1219	4.0	102
60	5.0	1524	4.0	1219	6.0	152
66	5.5	1676	6.0	1829	6.0	152
72	6.0	1829	6.0	1829	6.0	152
78	6.5	1981	6.0	1829	6.0	152
84	7.0	2134	6.0	1829	6.0	152
96	8.0	2438	8.0	2438	6.0	152
108	9.0	2743	8.0	2438	6.0	152
120	10.0	3048	10.0	3048	6.0	152
144	12.0	3658	12.0	3658	6.0	152

Table 2 provides our recommended Flexi Baffle spacing to maintain a wetted channel through the length of the culvert. These are guidelines. The actual installation can vary dependent upon the goals of the Aquatic Organism Passage goals of the project. Let us know how we can help with your project!

Table 2. Recommended Flexi Baffle Spacing vs Culvert Gradient		
Culvert Gradient (% slope)	Baffle Spacing (ft.)	Baffle Spacing (m)
0.0 to 1.0	8.0	2.5
1.0+ to 2.0	5.0	1.5
2.0+ to 3.0	4.0	1.2
3.0+ to 4.0	3.5	1.0
4.0+	3.0	900mm