Wire Mesh Fence Variables - Mesh with Openings less than 6 in^2 per ASTM F2453

Wire Spacing (in)		Wire Diameter (in or ga)									
		0.099	0.12	0.128	0.135	0.148	0.155	0.162	0.185	0.192	0.225
Vertical	Horizontal	12.5 ga	11 ga	10.5 ga	10 ga	9 ga	8.5 ga	8 ga	6.5 ga	6 ga	4 ga
0.5	2	ε = 0.23 C_{fw} = 1.3 D_m = 0.8	ε = 0.28 C_{fw} = 1.3 D_m = 1.2	ε = 0.30 C_{fw} = 1.5 D_m = 1.3	ε = 0.31 C_{fw} = 1.5 D_m = 1.5	ε = 0.34 C_{fw} = 1.5 D_m = 1.8	ε = 0.36 C_{fw} = 1.5 D_m = 1.9	ε = 0.37 C_{fw} = 1.5 D_m = 2.1	ε = 0.42 C_{fw} = 1.5 D_m = 2.8	ε = 0.44 C_{fw} = 1.5 D_m = 3.0	ε = 0.51 C_{fw} = 1.5 D_m = 4.1
0.5	3	ε = 0.22 C_{fw} = 1.3 D_m = 0.7	ε = 0.27 C_{fw} = 1.3 D_m = 1.1	ε = 0.28 C_{fw} = 1.3 D_m = 1.2	ε = 0.30 C_{fw} = 1.5 D_m = 1.4	ε = 0.33 C_{fw} = 1.5 D_m = 1.6	ε = 0.34 C_{fw} = 1.5 D_m = 1.8	ε = 0.36 C_{fw} = 1.5 D_m = 2.0	ε = 0.40 C_{fw} = 1.5 D_m = 2.6	ε = 0.42 C_{fw} = 1.5 D_m = 2.8	ε = 0.49 C_{fw} = 1.5 D_m = 3.8
0.75	3	ε = 0.16 C_{fw} = 1.3 D_m = 0.5	ε = 0.19 C_{fw} = 1.3 D_m = 0.8	ε = 0.20 C_{fw} = 1.3 D_m = 0.9	ε = 0.21 C_{fw} = 1.3 D_m = 1.0	ε = 0.23 C_{fw} = 1.3 D_m = 1.2	ε = 0.24 C_{fw} = 1.3 D_m = 1.3	ε = 0.25 C_{fw} = 1.3 D_m = 1.4	ε = 0.29 C_{fw} = 1.3 D_m = 1.8	ε = 0.30 C_{fw} = 1.5 D_m = 2.0	ε = 0.35 C_{fw} = 1.5 D_m = 2.7
1	1	ε = 0.18 C_{fw} = 1.3 D_m = 0.6	ε = 0.22 C_{fw} = 1.3 D_m = 0.9	ε = 0.23 C_{fw} = 1.3 D_m = 1.1	ε = 0.25 C_{fw} = 1.3 D_m = 1.2	ε = 0.27 C_{fw} = 1.3 D_m = 1.4	ε = 0.28 C_{fw} = 1.3 D_m = 1.5	ε = 0.29 C_{fw} = 1.3 D_m = 1.7	ε = 0.33 C_{fw} = 1.5 D_m = 2.2	ε = 0.34 C_{fw} = 1.5 D_m = 2.4	ε = 0.39 C_{fw} = 1.5 D_m = 3.3
1.5	1.5	ε = 0.12 C_{fw} = 1.3 D_m = 0.4	ε = 0.15 C_{fw} = 1.3 D_m = 0.6	ε = 0.16 C_{fw} = 1.3 D_m = 0.7	ε = 0.17 C_{fw} = 1.3 D_m = 0.8	ε = 0.18 C_{fw} = 1.3 D_m = 0.9	ε = 0.19 C_{fw} = 1.3 D_m = 1.0	ε = 0.20 C_{fw} = 1.3 D_m = 1.1	ε = 0.23 C_{fw} = 1.3 D_m = 1.5	ε = 0.23 C_{fw} = 1.3 D_m = 1.6	ε = 0.27 C_{fw} = 1.3 D_m = 2.2
2	0.5	ε = 0.23 C_{fw} = 1.3 D_m = 0.8	ε = 0.28 C_{fw} = 1.3 D_m = 1.2	ε = 0.30 C_{fw} = 1.5 D_m = 1.3	ε = 0.31 C_{fw} = 1.5 D_m = 1.5	ε = 0.34 C_{fw} = 1.5 D_m = 1.8	ε = 0.36 C_{fw} = 1.5 D_m = 1.9	ε = 0.37 C_{fw} = 1.5 D_m = 2.1	ε = 0.42 C_{fw} = 1.5 D_m = 2.8	ε = 0.44 C_{fw} = 1.5 D_m = 3.0	ε = 0.51 C_{fw} = 1.5 D_m = 4.1
2	1	ε = 0.14 C_{fw} = 1.3 D_m = 0.5	ε = 0.17 C_{fw} = 1.3 D_m = 0.7	ε = 0.18 C_{fw} = 1.3 D_m = 0.8	ε = 0.19 C_{fw} = 1.3 D_m = 0.9	ε = 0.21 C_{fw} = 1.3 D_m = 1.1	ε = 0.22 C_{fw} = 1.3 D_m = 1.2	ε = 0.22 C_{fw} = 1.3 D_m = 1.3	ε = 0.26 C_{fw} = 1.3 D_m = 1.7	ε = 0.26 C_{fw} = 1.3 D_m = 1.8	ε = 0.31 C_{fw} = 1.5 D_m = 2.4
2	2	ε = 0.09 C_{fw} = 1.2 D_m = 0.3	ε = 0.11 C_{fw} = 1.3 D_m = 0.5	ε = 0.12 C_{fw} = 1.3 D_m = 0.5	ε = 0.13 C_{fw} = 1.3 D_m = 0.6	ε = 0.14 C_{fw} = 1.3 D_m = 0.7	ε = 0.14 C_{fw} = 1.3 D_m = 0.8	ε = 0.15 C_{fw} = 1.3 D_m = 0.8	ε = 0.17 C_{fw} = 1.3 D_m = 1.1	ε = 0.18 C_{fw} = 1.3 D_m = 1.2	ε = 0.21 C_{fw} = 1.3 D_m = 1.6
2.4	2.4	ε = 0.08 C_{fw} = 1.2 D_m = 0.3	ε = 0.09 C_{fw} = 1.2 D_m = 0.4	ε = 0.10 C_{fw} = 1.3 D_m = 0.4	ε = 0.10 C_{fw} = 1.3 D_m = 0.5	ε = 0.11 C_{fw} = 1.3 D_m = 0.6	ε = 0.12 C_{fw} = 1.3 D_m = 0.6	ε = 0.13 C_{fw} = 1.3 D_m = 0.7	ε = 0.14 C_{fw} = 1.3 D_m = 0.9	ε = 0.15 C_{fw} = 1.3 D_m = 1.0	ε = 0.17 C_{fw} = 1.3 D_m = 1.4
3	1	ε = 0.12 C_{fw} = 1.3 D_m = 0.4	ε = 0.15 C_{fw} = 1.3 D_m = 0.6	ε = 0.16 C_{fw} = 1.3 D_m = 0.7	ε = 0.17 C_{fw} = 1.3 D_m = 0.8	ε = 0.19 C_{fw} = 1.3 D_m = 0.9	ε = 0.19 C_{fw} = 1.3 D_m = 1.0	ε = 0.20 C_{fw} = 1.3 D_m = 1.1	ε = 0.23 C_{fw} = 1.3 D_m = 1.5	ε = 0.24 C_{fw} = 1.3 D_m = 1.6	ε = 0.28 C_{fw} = 1.3 D_m = 2.2

ε = solidity ratio

C_{fw} = wind force coefficient

D_m = estimated weight - check with supplier for actual weight

Ice Loading Variables not yet available.

Assume flat plate icing, or estimate from chain link tables.