

Woven Wire Mesh Tables

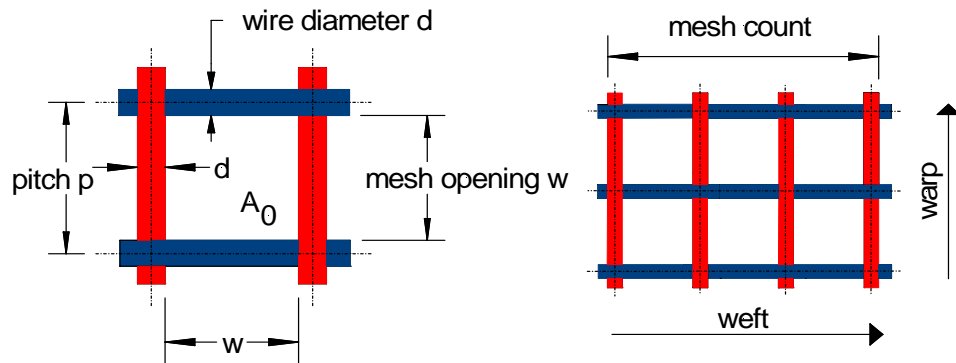


Release 5

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Wire Mesh Table¹



Mesh Count		Mesh Opening or Aperture w [mm]	Wire Diameter d [mm]	Open Screen Area A0 [%]	Weight Carbon Steel ² G [kg/m ²]
mesh [25.4 mm]	cm [10 mm]				
508	200	0.025	0.025	25	0.16
403	159	0.033	0.030	27	0.18
397	156	0.036	0.028	32	0.16
326	128	0.042	0.036	29	0.21
295	116	0.050	0.036	34	0.19
282	111	0.050	0.040	31	0.23
276	109	0.056	0.036	37	0.18
254	100	0.060	0.040	36	0.20
247	97	0.063	0.040	37	0.20
212	83	0.070	0.050	34	0.26
200	79	0.071	0.056	31	0.31
200	79	0.077	0.050	37	0.25
195	77	0.080	0.050	38	0.24
175	69	0.090	0.055	69	0.26
169	67	0.100	0.050	67	0.21
156	61	0.100	0.063	61	0.31
141	56	0.100	0.080	31	0.45
135	53	0.063	0.125	44	0.27
124	49	0.125	0.080	37	0.40
121	48	0.120	0.090	33	0.49
118	47	0.125	0.090	34	0.48
113	44	0.125	0.100	31	0.56
113	44	0.135	0.090	36	0.46
102	40	0.140	0.110	31	0.61
98	38	0.160	0.100	38	0.49
88	34	0.200	0.090	48	0.35
83	33	0.180	0.125	35	0.65
78	31	0.200	0.125	38	0.61
73	29	0.250	0.100	51	0.36
62	24	0.250	0.160	37	0.79
60	24	0.315	0.110	55	0.36
56	24	0.250	0.160	37	0.79
55	22	0.280	0.180	37	0.89
53	21	0.315	0.160	44	0.68
51	20	0.280	0.220	31	1.23

Mesh Count <i>mesh</i> — <i>cm</i> [25.4 mm] [10 mm]	Mesh Opening or Aperture w [mm]	Wire Diameter d [mm]	Open Screen Area A0 [%]	Weight Carbon Steel ² G [kg/m ²]
53	21	0.315	44	0.68
51	20	0.280	31	1.23
49	19	0.315	37	0.99
47	19	0.355	44	0.77
45	18	0.315	31	1.40
40	16	0.360	32	1.56
41	16	0.400	42	0.99
40	16	0.500	61	0.39
39	15	0.400	38	1.22
36	14	0.450	41	1.13
36	14	0.500	51	0.73
34	13	0.500	44	1.06
31	12	0.500	37	1.59
30	12	0.560	44	1.19
29	11	0.610	49	0.99
29	11	0.630	51	0.90
25	10	0.600	36	2.03
26	10	0.710	55	0.83
25	10	0.630	37	1.97
24	10	0.800	58	0.76
20	8	0.800	38	2.44
21	8	0.900	54	1.07
21	8	1.000	67	0.50
20	8	1.000	59	0.88
19	7	1.000	54	1.21
18	7	1.120	60	0.90
17	7	1.250	69	0.53
17	7	1.000	44	2.12
16	6	1.000	38	3.09
15	6	1.250	57	1.23
15	6	1.250	51	1.81
15	6	1.400	72	0.48
13	5	1.000	25	6.35
13	5	1.600	67	0.84
12	5	1.600	58	1.51
12	5	1.250	37	3.96
12	5	1.800	67	0.92
10	4	1.600	38	4.88
11	4	1.800	58	1.69
11	4	2.000	74	0.56
11	4	2.000	69	0.85
10	4	2.000	61	1.56
10	4	2.000	59	1.76
9	4	2.000	51	2.90
9	3	2.000	48	3.55
8	3	2.000	44	4.23
8	3	2.000	39	5.72
8	3	2.500	69	1.06

Mesh Count <i>mesh</i> — <i>cm</i> [25.4 mm] [10 mm]		Mesh Opening or Aperture w [mm]	Wire Diameter d [mm]	Open Screen Area A0 [%]	Weight Carbon Steel ² G [kg/m ²]
8	3	2.500	0.710	61	1.99
7	3	2.500	1.000	51	3.63
7	3	3.150	0.560	72	1.07
7	3	2.500	1.000	51	3.63
7	3	3.150	0.560	72	1.07
6	3	3.150	0.800	64	2.06
6	2	3.150	1.200	52	4.20
5	2	4.000	0.700	72	1.32
5	2	4.000	1.000	64	2.54
5	2	4.000	1.400	55	4.61
5	2	4.000	1.600	51	5.81
4	2	5.000	0.700	77	1.09
4	2	5.000	0.900	72	1.74
4	2	5.000	1.200	65	2.95
4	2	5.000	1.600	57	4.93
4	1	5.000	2.000	51	7.26
3	1	6.300	1.000	74	1.74
3	1	6.300	2.000	58	6.12
3	1	7.000	2.000	60	5.64
3	1	8.000	1.000	79	1.41
3	1	8.000	1.200	76	1.99
3	1	8.000	1.600	69	3.39
3	1	8.000	2.000	64	5.08
2	1	10.000	1.000	83	1.15
2	1	10.000	1.400	77	2.18
2	1	10.000	1.600	74	2.80
2	1	10.000	1.800	72	3.49
2	1	10.000	2.000	69	4.23
2	1	10.000	2.500	64	6.35
2	1	10.000	3.000	59	8.79
2	1	12.500	2.000	74	3.50
2	1	12.500	2.800	67	6.51
1	1	15.000	2.000	78	2.99
1	1	16.000	2.500	75	4.29
1	0	20.000	2.000	83	2.31
1	0	20.000	3.000	76	4.97

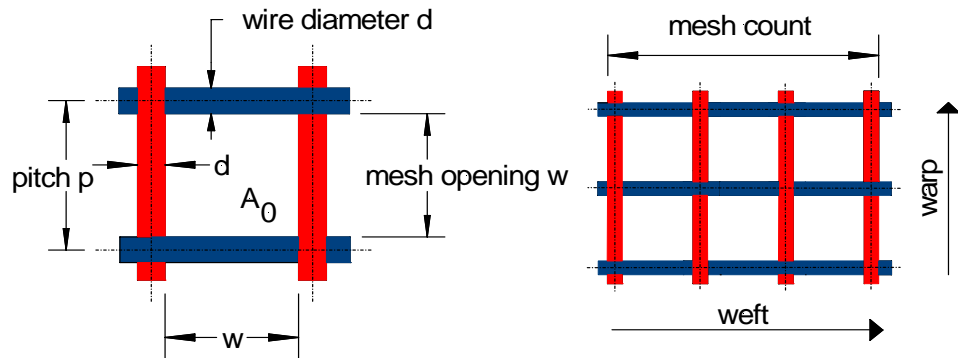
- 1) Common applied square wire mesh types; the information contained in this list is for information purposes only.
- 2) Remarks: Weight is valid only for carbon steel as per DIN 4189 (will be replaced by the standard ISO 4783-3) . Conversion factors for materials other than steel (index 100): stainless steel (101) copper (114), Monel™ metal (112.5), brass (110), phosphor bronze (112.5), nickel (112.5).

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Wire Mesh Table³



Mesh Opening or Aperture w [mm]	Mesh Opening or Aperture w [micron]	Wire Diameter d [mm]	Open Screen Area A ₀ [%]	Weight Carbon Steel G [kg/m ²]	Mesh Count	
					cm exact value [10 mm]	mesh rounded off [25.4 mm]
0.02	20	0.02	25	0.13	250	635
0.025	25	0.022	28	0.13	213	540
	25	0.025	25	0.16	200	500
0.082	28	0.022	31	0.12	200	500
	28	0.022	28	0.15	189	480
0.032	32	0.022	32	0.14	175	450
	32	0.025	28	0.17	167	425
0.036	36	0.028	32	0.16	156	400
	36	0.03	30	0.17	152	380
0.04	40	0.03	33	0.16	143	360
	40	0.032	31	0.18	139	350
0.045	45	0.032	34	0.17	130	325
	45	0.036	31	0.20	123	310
0.05	50	0.03	39	0.14	125	325
	50	0.036	34	0.19	116	300
	50	0.04	31	0.23	111	280
0.056	56	0.032	41	0.15	114	190
	56	0.04	34	0.21	104	270
	56	0.045	31	0.26	99	250
0.063	63	0.036	41	0.17	101	260
	63	0.04	37	0.20	97	250
	63	0.045	34	0.24	93	250
	63	0.05	31	0.28	88	220
0.071	71	0.04	41	0.18	90	230
	71	0.045	38	0.22	86	220
	71	0.05	34	0.26	83	210
	71	0.056	31	0.31	79	200
0.08	80	0.04	44	0.17	83	210
	80	0.05	38	0.24	77	200

Mesh Opening or Aperture		Wire Diameter	Open Screen Area	Weight Carbon Steel	Mesh Count	
w [mm]	w [micron]	d [mm]	A0 [%]	G [kg/m ²]	cm exact value [10 mm]	mesh rounded off [25.4 mm]
0.08	80	0.056	35	0.29	74	190
	80	0.063	31	0.35	70	180
0.09	90	0.045	44	0.19	74	190
	90	0.056	38	0.27	68	180
	90	0.063	35	0.33	65	170
	90	0.071	31	0.40	62	160
0.1	100	0.05	44	0.21	67	170
	100	0.063	38	0.31	61	160
	100	0.071	34	0.37	58	150
	100	0.08	31	0.45	56	140
0.112	112	0.05	48	0.20	62	160
	112	0.071	38	0.35	55	140
	112	0.08	34	0.42	52	130
	112	0.09	31	0.51	50	125
0.125	125	0.056	48	0.22	55	140
	125	0.08	37	0.40	49	130
	125	0.09	34	0.48	47	120
	125	0.1	31	0.56	44	115
0.14	140	0.063	48	0.25	49	120
	140	0.09	37	0.45	43	110
	140	0.1	34	0.53	42	105
	140	0.112	31	0.63	40	100
0.16	160	0.071	48	0.28	43	110
	160	0.1	38	0.49	38	100
	160	0.112	35	0.59	37	95
	160	0.125	32	0.70	35	90
0.18	180	0.08	48	0.31	38	100
	180	0.112	38	0.55	34	90
	180	0.125	35	0.65	33	85
	180	0.14	32	0.78	31	80
0.2	200	0.09	48	0.36	34	90
	200	0.125	38	0.61	31	80
	200	0.14	35	0.73	29	75
	200	0.16	31	0.90	28	70
0.224	224	0.1	48	0.39	31	80
	224	0.125	41	0.57	29	75
	224	0.16	34	0.85	26	70
	224	0.18	31	1.02	25	65
0.25	250	0.1	51	0.36	29	70
	250	0.14	41	0.64	26	65
	250	0.16	37	0.79	24	60
	250	0.18	34	0.96	23	60
	250	0.2	31	1.13	22	55
0.28	280	0.112	51	0.41	26	65
	280	0.16	41	0.74	23	60
	280	0.18	37	0.90	22	55
	280	0.22	31	1.23	20	50

Mesh Opening or Aperture		Wire Diameter d [mm]	Open Screen Area A0 [%]	Weight Carbon Steel G [kg/m ²]	Mesh Count	
w [mm]	w [micron]				cm exact value [10 mm]	mesh rounded off [25.4 mm]
0.315	315	0.112	54	0.37	23.0	60
	315	0.16	44	0.69	21.0	55
0.315	315	0.2	37	0.99	19.4	50
	315	0.25	31	1.40	17.7	45
0.355	355	0.125	55	0.41	21	55
	355	0.18	44	0.77	18.7	50
	355	0.22	38	1.07	17.4	45
	355	0.25	34	1.31	16.5	45
	355	0.28	31	1.57	15.7	40
0.4	400	0.125	58	0.38	19.0	50
	400	0.18	48	0.71	17.2	45
	400	0.22	42	0.99	16.1	40
	400	0.25	38	1.22	15.4	40
	400	0.28	35	1.46	14.7	40
0.45	450	0.14	58	0.42	16.9	44
	450	0.2	48	0.78	15.4	40
	450	0.25	41	1.13	14.3	36
	450	0.32	34	1.69	13.0	32
0.5	500	0.14	61	0.39	15.6	40
	500	0.2	51	0.73	14.3	36
	500	0.25	44	1.06	13.3	35
	500	0.32	37	1.59	12.2	35
0.56	560	0.16	61	0.45	13.9	36
	560	0.22	52	0.79	12.8	32
	560	0.28	44	1.19	11.9	30
	560	0.36	37	1.79	10.9	28
0.63	630	0.16	64	0.41	12.7	32
	630	0.22	55	0.72	11.8	30
	630	0.28	48	1.09	11.0	28
	630	0.40	37	1.97	9.7	25
0.71	710	0.18	64	0.46	11.2	28
	710	0.25	55	0.83	10.4	26
	710	0.32	48	1.26	9.7	25
	710	0.45	37	2.22	8.6	25
0.8	800	0.20	64	0.51	10.0	25
	800	0.25	58	0.76	9.5	24
	800	0.32	51	1.16	8.9	24
	800	0.45	41	2.06	8	20
	800	0.50	38	2.44	7.7	20
0.9	900	0.20	67	0.46	9.1	23
	900	0.25	61	0.69	8.7	22
	900	0.32	54	1.07	8.2	21
	900	0.45	44	1.91	7.4	19
1	1000	0.22	67	0.58	8.20	21
	1000	0.28	61	0.78	7.80	20
	1000	0.36	54	1.21	7.40	19
	1000	0.50	44	2.12	6.70	18
	1000	0.56	41	2.55	6.40	18

Mesh Opening or Aperture		Wire Diameter	Open Screen Area	Weight Carbon Steel	Mesh Count	
w [mm]	w [micron]	d [mm]	A0 [%]	G [kg/m ²]	cm exact value [10 mm]	mesh rounded off [25.4 mm]
1.12	1120	0.25	67	0.58	7.30	19
	1120	0.32	61	0.90	6.90	18
	1120	0.40	54	1.34	6.60	17
	1120	0.56	44	2.37	6.00	15
1.25	1250	0.25	69	0.53	6.70	17
	1250	0.32	63	0.83	6.40	16
	1250	0.40	57	1.23	6.10	15
1.25	1250	0.56	48	2.20	5.50	14
	1250	0.63	44	2.68	5.30	14
1.4	1400	0.25	72	0.48	6.10	16
	1400	0.32	66	0.76	6.80	15
	1400	0.45	57	1.39	5.40	14
	1400	0.63	48	2.48	4.93	14
	1400	0.71	44	3.03	4.74	14
1.6	1600	0.28	72	0.53	5.30	14
	1600	0.36	67	0.84	5.10	13
	1600	0.50	58	1.51	4.76	12
	1600	0.71	48	2.77	4.33	11
	1600	0.80	44	3.39	4.17	11
1.8	1800	0.32	72	0.61	4.72	12
	1800	0.40	67	0.92	4.55	12
	1800	0.56	58	1.69	4.24	11
	1800	0.80	48	3.13	3.85	10
2	2000	0.32	74	0.56	4.31	11
	2000	0.40	69	0.85	4.17	11
	2000	0.56	61	1.56	3.91	10
	2000	0.90	48	3.55	3.45	10
2.24	2240	0.36	74	0.63	3.85	10
	2240	0.45	69	0.96	3.72	9
	2240	0.63	61	1.76	3.48	9
	2240	0.90	51	3.28	3.18	8
2.5	2500	0.40	74	0.70	3.45	9
	2500	0.50	69	1.06	3.33	8
	2500	0.71	61	1.99	3.12	8
	2500	1.00	51	3.63	2.86	7
2.8	2800	0.40	77	0.64	3.13	8
	2800	0.45	74	0.79	3.08	8
	2800	0.56	69	1.19	2.98	8
	2800	0.80	61	2.26	2.76	7
	2800	1.12	51	4.06	2.55	7
3.15	3150	0.45	77	0.71	2.78	7
	3150	0.56	72	1.07	2.70	7
	3150	0.80	64	2.06	2.53	6
	3150	1.12	54	3.73	2.34	6
	3150	1.25	51	4.51	2.27	6
3.55	3550	0.50	77	0.78	2.47	6
	3550	0.63	72	1.21	2.39	6
	3550	0.90	64	2.31	2.25	6
	3550	1.25	55	4.13	2.08	5

Mesh Opening or Aperture		Wire Diameter d [mm]	Open Screen Area A0 [%]	Weight Carbon Steel G [kg/m ²]	Mesh Count	
w [mm]	w [micron]				cm exact value [10 mm]	mesh rounded off [25.4 mm]
4	4000	0.50	79	0.71	2.22	6
	4000	0.56	77	0.87	2.19	6
	4000	0.71	72	1.36	2.12	5
	4000	1.00	64	2.54	2.00	5
	4000	1.40	55	4.61	1.85	5
4.5	4500	0.63	77	0.98	1.95	5
	4500	0.80	72	1.53	1.89	5
	4500	1.12	64	2.84	1.78	5
	4500	1.80	54	5.35	1.64	4
5	5000	0.56	81	0.72	1.80	
	5000	0.71	77	1.12	1.75	
	5000	0.90	72	1.74	1.70	
	5000	1.25	64	3.18	1.60	
	5000	1.60	57	4.93	1.52	
	5000	1.80	55	6.05	1.47	
5.6	5600	0.71	79	1.01	1.58	
	5600	0.90	74	1.58	1.54	
	5600	1.25	67	2.90	1.46	
	5600	1.60	61	4.52	1.39	
	5600	1.80	57	5.56	1.35	
6.3	6300	0.63	83	0.73	1.44	
	6300	0.80	79	1.15	1.41	
	6300	1.00	75	1.74	1.37	
	6300	1.40	67	3.23	1.30	
	6300	1.80	61	5.08	1.23	
	6300	2.00	58	6.12	1.20	
7.1	7100	0.90	79	1.29	1.25	
	7100	1.12	75	1.94	1.22	
	7100	1.40	70	2.93	1.18	
	7100	2.00	61	5.58	1.10	
8	8000	0.80	83	0.92	1.14	
	8000	1.00	79	1.41	1.11	
	8000	1.25	75	2.15	1.08	
	8000	1.60	69	3.39	1.04	
	8000	2.00	64	5.08	1.00	
	8000	2.20	62	6.03	0.98	
9	9000	1.00	81	1.27	1.00	
	9000	1.25	77	1.94	0.98	
	9000	1.60	72	3.07	0.94	
	9000	2.20	65	5.49	0.89	
10	10000	0.90	84	0.94	0.92	
	10000	1.12	81	1.43	0.90	
	10000	1.40	77	2.18	0.88	
	10000	1.80	72	3.49	0.85	
	10000	2.50	64	6.35	0.80	
11.2	11200	1.12	83	1.29	0.81	
	11200	1.40	79	1.98	0.79	
	11200	1.80	74	3.17	0.77	
	11200	2.50	67	5.79	0.73	

Mesh Opening or Aperture		Wire Diameter	Open Screen Area	Weight Carbon Steel	Mesh Count	
w [mm]	w [micron]	d [mm]	A0 [%]	G [kg/m ²]	cm <i>exact value</i> [10 mm]	mesh <i>rounded off</i> [25.4 mm]
12.5	12500	1.00	86	0.94	0.74	
	12500	1.25	83	1.44	0.73	
	12500	1.60	79	2.31	0.71	
	12500	2.00	74	3.50	0.69	
	12500	2.80	67	6.51	0.65	
14	14000	1.40	83	1.62	0.65	
	14000	1.80	79	2.60	0.63	
	14000	2.20	75	3.79	0.62	
	14000	3.20	66	7.56	0.58	
16	16000	1.25	86	1.15	0.58	
	16000	1.40	85	1.43	0.57	
	16000	1.80	81	2.31	0.56	
	16000	2.20	77	3.38	0.55	
	16000	3.20	69	6.77	0.52	

- 3) Overview as per DIN 4189 (will be replaced by the standard DIN ISO 4783-3); the information contained in this document is for information purposes only.
- 4) Remarks: Weight is valid only for carbon steel as per DIN 4189. Conversion factors for materials other than steel (index 100): stainless steel (101), copper (114), Monel™ metal (112.5), brass (110) phosphor bronze (112.5), nickel (112.5).

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