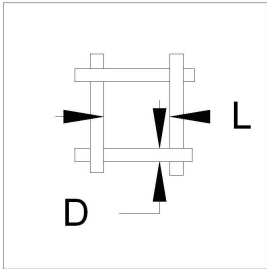


## METALLIC MESH

### plain weave square mesh


**Legend:**

**NrFr** = Number of meshes in 27,78 mm  
**L** = Mesh Opening in mm  
**D** = Wire Diameter in mm  
**S** = Open Area %  
**P** = Weight Kg / Sq.Mt.  
 \* = Theoretical weight for steel

**Material type**

AISI 304  
 AISI 304L  
 AISI 309  
 AISI 310  
 AISI 316  
 AISI 316L  
 brass  
 bronze  
 copper  
 galvanized  
 incoloy  
 inconel  
 monel  
 plain steel  
 titanium

NrFr = 4.50		Mesh = 4.11	
D	L	S	P *
0.8	5.37	75.8	1.38
0.9	5.27	73	1.75
1	5.17	70.2	2.16
1.1	5.07	67.5	2.61
1.2	4.97	64.9	3.11
1.3	4.87	62.3	3.65
1.4	4.77	59.8	4.23
1.5	4.67	57.3	4.86
1.6	4.57	54.9	5.53
1.8	4.37	50.2	6.99
2	4.17	45.7	8.64
2.2	3.97	41.4	10.45
NrFr = 5.00		Mesh = 4.57	
D	L	S	P *
0.7	4.86	76.4	1.17
0.8	4.76	73.3	1.53
0.9	4.66	70.2	1.94
1	4.56	67.2	2.40
1.1	4.46	64.3	2.90
1.2	4.36	61.5	3.45
1.3	4.26	58.7	4.05
1.4	4.16	56	4.70
1.5	4.06	53.3	5.40
1.6	3.96	50.7	6.14
1.8	3.76	45.7	7.77
2	3.56	41	9.60
NrFr = 6.00		Mesh = 5.49	
D	L	S	P *
0.6	4.03	75.8	1.03
0.7	3.93	72	1.41
0.8	3.83	68.4	1.84
0.9	3.73	64.9	2.33
1	3.63	61.5	2.88
1.1	3.53	58.1	3.48
1.2	3.43	54.9	4.14
1.3	3.33	51.7	4.86
1.4	3.23	48.7	5.64
1.5	3.13	45.7	6.48
1.6	3.03	42.8	7.37
1.8	2.83	37.4	9.33
2	2.63	32.3	11.52

NrFr = 7.00		Mesh = 6.40	
D	L	S	P *
0.55	3.42	74.2	1.01
0.6	3.37	72	1.21
0.7	3.27	67.8	1.64
0.8	3.17	63.7	2.15
0.9	3.07	59.8	2.72
1	2.97	56	3.36
1.1	2.87	52.2	4.06
1.2	2.77	48.7	4.83
1.3	2.67	45.2	5.67
1.4	2.57	41.9	6.58
1.5	2.47	38.7	7.56
1.6	2.37	35.6	8.60
1.8	2.17	29.9	10.88

NrFr = 8.00		Mesh = 7.31	
D	L	S	P *
0.5	2.97	73.3	0.96
0.55	2.92	70.8	1.16
0.6	2.87	68.4	1.38
0.7	2.77	63.7	1.88
0.8	2.67	59.2	2.45
0.9	2.57	54.9	3.11
1	2.47	50.7	3.84
1.1	2.37	46.7	4.64
1.2	2.27	42.8	5.53
1.3	2.17	39.1	6.49
1.4	2.07	35.6	7.52
1.5	1.97	32.3	8.64

NrFr = 9.00		Mesh = 8.23	
D	L	S	P *
0.45	2.64	73	0.87
0.5	2.59	70.2	1.08
0.55	2.54	67.5	1.30
0.6	2.49	64.9	1.55
0.7	2.39	59.8	2.11
0.8	2.29	54.9	2.76
0.9	2.19	50.2	3.49
1	2.09	45.7	4.32
1.1	1.99	41.4	5.22
1.2	1.89	37.4	6.22
1.3	1.79	33.5	7.30

NrFr = 10.00		Mesh = 9.14	
D	L	S	P *
0.4	2.38	73.3	0.76
0.45	2.33	70.2	0.97
0.5	2.28	67.2	1.20
0.55	2.23	64.3	1.45
0.6	2.18	61.5	1.72
0.7	2.08	56	2.35
0.8	1.98	50.7	3.07
0.9	1.88	45.7	3.88
1	1.78	41	4.80
1.1	1.68	36.5	5.80
1.2	1.58	32.3	6.91

NrFr = 11.00		Mesh = 10.06	
D	L	S	P *
0.36	2.17	73.5	0.68
0.4	2.13	70.8	0.84
0.45	2.08	67.5	1.06
0.5	2.03	64.3	1.32
0.55	1.98	61.2	1.59
0.6	1.93	58.1	1.90
0.7	1.83	52.2	2.58
0.8	1.73	46.7	3.37
0.9	1.63	41.4	4.27
1	1.53	36.5	5.28
1.1	1.43	31.9	6.38

NrFr = 12.00		Mesh = 10.97	
D	L	S	P *
0.32	2	74.3	0.59
0.36	1.96	71.3	0.74
0.4	1.92	68.4	0.92
0.45	1.87	64.9	1.16
0.5	1.82	61.5	1.44
0.55	1.77	58.1	1.74
0.6	1.72	54.9	2.07
0.7	1.62	48.7	2.82
0.8	1.52	42.8	3.68
0.9	1.42	37.4	4.66
1	1.32	32.3	5.76

NrFr = 13.00		Mesh = 11.89	
D	L	S	P *
0.32	1.19	72.3	0.63
0.36	1.78	69.1	0.80
0.4	1.74	66.1	0.99
0.45	1.69	62.3	1.26
0.5	1.64	58.7	1.56
0.55	1.59	55.1	1.88
0.6	1.54	51.7	2.24
0.7	1.44	45.2	3.05
0.8	1.34	39.1	3.99
0.9	1.24	33.5	5.05
1	1.14	28.3	6.24

NrFr = 14.00		Mesh = 12.80	
D	L	S	P *
0.28	1.7	73.8	0.52
0.32	1.66	70.8	0.68
0.36	1.62	67	0.87
0.4	1.58	63.7	1.07
0.45	1.53	59.8	1.36
0.5	1.48	56	1.68
0.55	1.43	52.2	2.03
0.6	1.38	48.7	2.41
0.7	1.28	41.9	3.29
0.8	1.18	35.6	4.30
0.9	1.08	29.9	5.44
1	0.98	24.6	6.72

NrFr = 15.00		Mesh = 13.71	
D	L	S	P *
0.28	1.57	72	0.56
0.32	1.53	68.4	0.73
0.36	1.49	64.9	0.93
0.4	1.45	61.5	1.15
0.45	1.4	57.3	1.45
0.5	1.35	53.3	1.80
0.55	1.3	49.4	2.17
0.6	1.25	45.7	2.59
0.7	1.15	38.7	3.52
0.8	1.05	32.3	4.60
0.9	0.95	26.4	5.83

NrFr = 16.00		Mesh = 14.63	
D	L	S	P *
0.24	1.5	74.3	0.44
0.28	1.46	70.3	0.60
0.32	1.42	66.5	0.78
0.36	1.38	62.8	0.99
0.4	1.34	59.2	1.22
0.45	1.29	54.9	1.55
0.5	1.24	50.7	1.92
0.55	1.19	46.7	2.32
0.6	1.14	42.8	2.76
0.7	1.04	35.6	3.76
0.8	0.94	29.1	4.91

NrFr = 18.00		Mesh = 16.46	
D	L	S	P *
0.22	1.32	73.5	0.41
0.24	1.3	71.3	0.49
0.28	1.26	67	0.67
0.32	1.22	62.8	0.88
0.36	1.18	58.8	1.12
0.4	1.14	54.9	1.38
0.45	1.09	50.2	1.75
0.5	1.04	45.7	2.16
0.55	0.99	41.4	2.61
0.6	0.94	37.4	3.11
0.7	0.84	29.9	4.23
0.8	0.74	23.2	5.53

NrFr = 20.00		Mesh = 18.29	
D	L	S	P *
0.2	1.19	73.3	0.38
0.22	1.17	70.8	0.46
0.24	1.15	68.4	0.55
0.28	1.11	63.7	0.75
0.32	1.07	59.2	0.98
0.36	1.03	54.9	1.24
0.4	0.99	50.7	1.53
0.45	0.94	45.7	1.94
0.5	0.89	41	2.40
0.55	0.84	36.5	2.90
0.6	0.79	32.3	3.45
0.7	0.69	24.6	4.70

NrFr = 22.50		Mesh = 20.57	
D	L	S	P *
0.2	1.04	70.2	0.43
0.22	1.02	67.5	0.52
0.24	1	64.9	0.62
0.28	0.96	59.8	0.84
0.32	0.92	54.9	1.10
0.36	0.88	50.2	1.40
0.4	0.84	45.7	1.72
0.45	0.79	40.4	2.18
0.5	0.74	35.4	2.70
0.55	0.69	30.8	3.26
0.6	0.64	26.4	3.88

NrFr = 25.00		Mesh = 22.86	
D	L	S	P *
0.18	0.93	70.2	0.38
0.2	0.91	67.2	0.48
0.22	0.89	64.3	0.58
0.24	0.87	61.5	0.69
0.28	0.83	56	0.94
0.32	0.79	50.7	1.22
0.36	0.75	45.7	1.55
0.4	0.71	41	1.92
0.45	0.66	35.4	2.43
0.5	0.61	30.3	3.00
0.55	0.56	25.5	3.63

NrFr = 27.50		Mesh = 25.14	
D	L	S	P *
0.18	0.83	67.5	0.42
0.2	0.81	64.3	0.52
0.22	0.79	61.2	0.63
0.24	0.77	58.1	0.76
0.28	0.73	52.2	1.03
0.32	0.69	46.7	1.35
0.36	0.65	41.4	1.71
0.4	0.61	36.5	2.11
0.45	0.56	30.8	2.67
0.5	0.51	25.5	3.30

NrFr = 30.00		Mesh = 27.43	
D	L	S	P *
0.16	0.77	68.4	0.36
0.18	0.75	64.9	0.46
0.2	0.73	61.5	0.57
0.22	0.71	58.1	0.69
0.24	0.69	54.9	0.82
0.28	0.65	48.7	1.12
0.32	0.606	42.8	1.47
0.36	0.57	37.4	1.86
0.4	0.53	32.3	2.30
0.45	0.48	26.4	2.91

NrFr = 35.00		Mesh = 32.00	
D	L	S	P *
0.16	0.63	63.7	0.43
0.18	0.61	59.8	0.54
0.2	0.59	56	0.67
0.22	0.57	52.2	0.81
0.24	0.55	48.7	0.96
0.28	0.51	41.9	1.31
0.32	0.47	35.6	1.72
0.36	0.43	29.9	2.17
0.4	0.39	24.6	2.68

NrFr = 40.00		Mesh = 36.57	
D	L	S	P *
0.14	0.56	63.7	0.37
0.16	0.54	59.2	0.49
0.18	0.52	54.9	0.62
0.2	0.5	50.7	0.76
0.22	0.48	46.7	0.92
0.24	0.46	42.8	1.10
0.28	0.42	35.6	1.50
0.32	0.38	29.1	1.96
0.36	0.34	23.2	2.48

NrFr = 45.00		Mesh = 41.14	
D	L	S	P *
0.12	0.5	64.9	0.31
0.14	0.48	59.8	0.42
0.16	0.46	54.9	0.55
0.18	0.44	50.2	0.70
0.2	0.42	45.7	0.86
0.22	0.4	41.4	1.04
0.24	0.38	37.4	1.24
0.28	0.34	29.9	1.69
0.32	0.3	23.2	2.21

NrFr = 50.00		Mesh = 45.72	
D	L	S	P *
0.11	0.45	64.3	0.29
0.12	0.44	61.5	0.34
0.14	0.42	56	0.47
0.16	0.4	50.7	0.61
0.18	0.38	45.7	0.77
0.2	0.36	41	0.96
0.22	0.34	36.5	1.16
0.24	0.32	32.3	1.38
0.28	0.28	24.6	1.88

NrFr = 55.00		Mesh = 50.29	
D	L	S	P *
0.1	0.41	64.3	0.26
0.11	0.4	61.2	0.31
0.12	0.39	58.1	0.38
0.14	0.37	52.2	0.51
0.16	0.35	46.7	0.67
0.18	0.33	41.4	0.85

0.2	0.31	36.5	1.05
0.22	0.29	31.9	1.27
0.24	0.27	27.5	1.52

NrFr = 60.00		Mesh = 54.86	
D	L	S	P *
0.09	0.37	64.9	0.23
0.1	0.36	61.5	0.28
0.11	0.35	58.1	0.34
0.12	0.34	54.9	0.41
0.14	0.32	48.7	0.56
0.16	0.3	42.8	0.73
0.18	0.28	37.4	0.93
0.2	0.26	32.3	1.15
0.22	0.24	27.5	1.39

NrFr = 65.00		Mesh = 59.43	
D	L	S	P *
0.09	0.34	62.3	0.25
0.1	0.33	58.7	0.31
0.11	0.32	55.1	0.37
0.12	0.31	51.7	0.44
0.14	0.29	45.2	0.61
0.16	0.27	39.1	0.79
0.18	0.25	33.5	1.01
0.2	0.23	28.3	1.24

NrFr = 70.00		Mesh = 64.00	
D	L	S	P *
0.09	0.31	59.8	0.27
0.1	0.3	56	0.33
0.11	0.29	52.2	0.40
0.12	0.28	48.7	0.48
0.14	0.26	41.9	0.65
0.16	0.24	35.6	0.86
0.18	0.22	29.9	1.08
0.2	0.2	24.6	1.34

NrFr = 75.00		Mesh = 68.57	
D	L	S	P *
0.08	0.29	61.5	0.23
0.09	0.28	57.3	0.29
0.1	0.27	53.3	0.36
0.11	0.26	49.4	0.43
0.12	0.25	45.7	0.51
0.14	0.23	38.7	0.70
0.16	0.21	32.3	0.92
0.18	0.19	26.4	1.16

NrFr = 80.00		Mesh = 73.15	
D	L	S	P *
0.08	0.27	59.2	0.24
0.09	0.26	54.9	0.31
0.1	0.25	50.7	0.38
0.11	0.24	46.7	0.46
0.12	0.23	42.8	0.55
0.14	0.21	36.5	0.75
0.16	0.19	29.1	0.98
0.18	0.17	23.2	1.24

NrFr = 90.00		Mesh = 82.29	
D	L	S	P *
0.08	0.23	54.9	0.27
0.09	0.22	50.2	0.35
0.1	0.21	45.7	0.43
0.11	0.2	41.4	0.52
0.12	0.19	37.4	0.62
0.14	0.17	29.9	0.84
0.16	0.15	23.2	1.10

NrFr = 100.00		Mesh = 91.43	
D	L	S	P *
0.07	0.21	56	0.23
0.08	0.2	50.7	0.30
0.09	0.19	45.7	0.38
0.1	0.18	41	0.48
0.11	0.17	36.5	0.58
0.12	0.16	32.3	0.69
0.14	0.14	24.6	0.94

NrFr = 110.00		Mesh = 100.58	
D	L	S	P *
0.07	0.18	52.2	0.25
0.08	0.17	46.7	0.33
0.09	0.16	41.4	0.42
0.1	0.15	36.5	0.52
0.11	0.14	31.9	0.63
0.12	0.13	27.5	0.76

NrFr = 120.00		Mesh = 109.72	
D	L	S	P *
0.06	0.17	54.9	0.20
0.07	0.16	48.7	0.28
0.08	0.15	42.8	0.36
0.09	0.14	37.4	0.46
0.1	0.13	32.3	0.57
0.11	0.12	27.5	0.69

NrFr = 130.00		Mesh = 118.86	
D	L	S	P *
0.06	0.15	51.7	0.22
0.07	0.14	45.2	0.30
0.08	0.13	39.1	0.39
0.09	0.12	33.5	0.50
0.1	0.11	28.3	0.62

NrFr = 140.00		Mesh = 128.01	
D	L	S	P *
0.05	0.15	56	0.16
0.06	0.14	48.7	0.24
0.07	0.13	41.9	0.32
0.08	0.12	35.6	0.43
0.09	0.11	29.9	0.54

NrFr = 150.00		Mesh = 137.15	
D	L	S	P *
0.05	0.14	53.3	0.18
0.06	0.13	45.7	0.25

0.07	0.12	38.7	0.35
0.08	0.11	32.3	0.46
0.09	0.1	26.4	0.58

NrFr = 160.00		Mesh = 146.29	
D	L	S	P *
0.05	0.12	50.7	0.19
0.06	0.11	42.8	0.27
0.07	0.1	36.5	0.37
0.08	0.09	29.1	0.49

NrFr = 180.00		Mesh = 164.58	
D	L	S	P *
0.05	0.1	45.7	0.21
0.06	0.09	37.4	0.31
0.07	0.08	29.9	0.42

NrFr = 200.00		Mesh = 182.87	
D	L	S	P *
0.05	0.09	41	0.24
0.06	0.08	32.3	0.34
0.07	0.07	24.6	0.47

NrFr = 220.00		Mesh = 201.12	
D	L	S	P *
0.04	0.09	46.7	0.16
0.05	0.08	36.5	0.26
0.06	0.07	27.5	0.38

NrFr = 250.00		Mesh = 228.58	
D	L	S	P *
0.04	0.07	41	0.19
0.045	0.07	35.4	0.24
0.05	0.06	30.3	0.30

NrFr = 280.00		Mesh = 256.01	
D	L	S	P *
0.04	0.06	35.6	0.21
0.045	0.05	29.9	0.27

NrFr = 300.00		Mesh = 274.30	
D	L	S	P *
0.035	0.06	38.7	0.17
0.04	0.05	32.8	0.23

NrFr = 350.00		Mesh = 320.01	
D	L	S	P *
0.03	0.05	38.7	0.15
0.035	0.04	31.3	0.20

NrFr = 400.00		Mesh = 365.73	
D	L	S	P *
0.025	0.04	41	0.12
0.03	0.04	32.3	0.17

NrFr = 450.00		Mesh = 411.45	
D	L	S	P *
0.03	0.03	26.4	0.19

NrFr = 500.00		Mesh = 457.16	
D	L	S	P *
0.028	0.03	24.6	0.18

NrFr = 550.00		Mesh = 500.00	
D	L	S	P *
0.025	0.03	25.5	0.16

Title	Date	Issue	Page
Metallic mesh, possible to manufacture	14.03.2001	1	10(10)

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