

# ตารางพื้นที่หน้าตัด

บริษัท แอล.เอ.อินดัสทรี จำกัด

**L.A.INDUSTRY CO.,LTD.**

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AREA SECTION TABLE

Wire Size Ø (mm)	Area Section (cm <sup>2</sup> )	Area Section (cm <sup>2</sup> /m)							
		Space(mm)							
		50	75	100	125	150	200	250	300
3.0	0.071	1.41	0.94	0.71	0.57	0.47	0.35	0.28	0.24
3.1	0.076	1.51	1.01	0.76	0.60	0.50	0.38	0.30	0.25
3.2	0.080	1.61	1.07	0.80	0.64	0.54	0.40	0.32	0.27
3.3	0.086	1.71	1.14	0.86	0.68	0.57	0.43	0.34	0.29
3.4	0.091	1.82	1.21	0.91	0.73	0.61	0.45	0.36	0.30
3.5	0.096	1.93	1.28	0.96	0.77	0.64	0.48	0.39	0.32
3.6	0.102	2.04	1.36	1.02	0.81	0.68	0.51	0.41	0.34
3.7	0.108	2.15	1.43	1.08	0.86	0.72	0.54	0.43	0.36
3.8	0.113	2.27	1.51	1.13	0.91	0.76	0.57	0.45	0.38
3.9	0.120	2.39	1.59	1.20	0.96	0.80	0.60	0.48	0.40
4.0	0.126	2.51	1.68	1.26	1.01	0.84	0.63	0.50	0.42
4.1	0.132	2.64	1.76	1.32	1.06	0.88	0.66	0.53	0.44
4.2	0.139	2.77	1.85	1.39	1.11	0.92	0.69	0.55	0.46
4.3	0.145	2.91	1.94	1.45	1.16	0.97	0.73	0.58	0.48
4.4	0.152	3.04	2.03	1.52	1.22	1.01	0.76	0.61	0.51
4.5	0.159	3.18	2.12	1.59	1.27	1.06	0.80	0.64	0.53
4.6	0.166	3.33	2.22	1.66	1.33	1.11	0.83	0.67	0.55
4.7	0.174	3.47	2.31	1.74	1.39	1.16	0.87	0.69	0.58
4.8	0.181	3.62	2.41	1.81	1.45	1.21	0.91	0.72	0.60
4.9	0.189	3.77	2.52	1.89	1.51	1.26	0.94	0.75	0.63
5.0	0.196	3.93	2.62	1.96	1.57	1.31	0.98	0.79	0.65
5.1	0.204	4.09	2.72	2.04	1.63	1.36	1.02	0.82	0.68
5.2	0.212	4.25	2.83	2.12	1.70	1.42	1.06	0.85	0.71
5.3	0.221	4.41	2.94	2.21	1.77	1.47	1.10	0.88	0.74
5.4	0.229	4.58	3.05	2.29	1.83	1.53	1.15	0.92	0.76
5.5	0.238	4.75	3.17	2.38	1.90	1.58	1.19	0.95	0.79
5.6	0.246	4.93	3.29	2.46	1.97	1.64	1.23	0.99	0.82
5.7	0.255	5.11	3.40	2.55	2.04	1.70	1.28	1.02	0.85
5.8	0.264	5.29	3.52	2.64	2.11	1.76	1.32	1.06	0.88
5.9	0.274	5.47	3.65	2.74	2.19	1.82	1.37	1.09	0.91
6.0	0.283	5.66	3.77	2.83	2.26	1.89	1.41	1.13	0.94
6.1	0.292	5.85	3.90	2.92	2.34	1.95	1.46	1.17	0.97

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Wire Size Ø (mm)	Area Section (cm <sup>2</sup> )	Area Section (cm <sup>2</sup> /m)							
		Space(mm)							
		50	75	100	125	150	200	250	300
6.2	0.302	6.04	4.03	3.02	2.42	2.01	1.51	1.21	1.01
6.3	0.312	6.24	4.16	3.12	2.49	2.08	1.56	1.25	1.04
6.4	0.322	6.44	4.29	3.22	2.57	2.15	1.61	1.29	1.07
6.5	0.332	6.64	4.43	3.32	2.66	2.21	1.66	1.33	1.11
6.6	0.342	6.85	4.56	3.42	2.74	2.28	1.71	1.37	1.14
6.7	0.353	7.05	4.70	3.53	2.82	2.35	1.76	1.41	1.18
6.8	0.363	7.27	4.84	3.63	2.91	2.42	1.82	1.45	1.21
6.9	0.374	7.48	4.99	3.74	2.99	2.49	1.87	1.50	1.25
7.0	0.385	7.70	5.13	3.85	3.08	2.57	1.92	1.54	1.28
7.1	0.396	7.92	5.28	3.96	3.17	2.64	1.98	1.58	1.32
7.2	0.407	8.15	5.43	4.07	3.26	2.72	2.04	1.63	1.36
7.3	0.419	8.37	5.58	4.19	3.35	2.79	2.09	1.67	1.40
7.4	0.430	8.61	5.74	4.30	3.44	2.87	2.15	1.72	1.43
7.5	0.442	8.84	5.89	4.42	3.54	2.95	2.21	1.77	1.47
7.6	0.454	9.08	6.05	4.54	3.63	3.03	2.27	1.82	1.51
7.7	0.466	9.32	6.21	4.66	3.73	3.11	2.33	1.86	1.55
7.8	0.478	9.56	6.37	4.78	3.82	3.19	2.39	1.91	1.59
7.9	0.490	9.81	6.54	4.90	3.92	3.27	2.45	1.96	1.63
8.0	0.503	10.06	6.70	5.03	4.02	3.35	2.51	2.01	1.68
8.1	0.516	10.31	6.87	5.16	4.12	3.44	2.58	2.06	1.72
8.2	0.528	10.57	7.04	5.28	4.23	3.52	2.64	2.11	1.76
8.3	0.541	10.83	7.22	5.41	4.33	3.61	2.71	2.17	1.80
8.4	0.554	11.09	7.39	5.54	4.44	3.70	2.77	2.22	1.85
8.5	0.568	11.35	7.57	5.68	4.54	3.78	2.84	2.27	1.89
8.6	0.581	11.62	7.75	5.81	4.65	3.87	2.91	2.32	1.94
8.7	0.595	11.89	7.93	5.95	4.76	3.96	2.97	2.38	1.98
8.8	0.608	12.17	8.11	6.08	4.87	4.06	3.04	2.43	2.03
8.9	0.622	12.45	8.30	6.22	4.98	4.15	3.11	2.49	2.07
9.0	0.636	12.73	8.49	6.36	5.09	4.24	3.18	2.55	2.12
9.1	0.651	13.01	8.68	6.51	5.21	4.34	3.25	2.60	2.17
9.2	0.665	13.30	8.87	6.65	5.32	4.43	3.33	2.66	2.22
9.3	0.680	13.59	9.06	6.80	5.44	4.53	3.40	2.72	2.27
9.4	0.694	13.89	9.26	6.94	5.55	4.63	3.47	2.78	2.31
9.5	0.709	14.18	9.45	7.09	5.67	4.73	3.55	2.84	2.36
9.6	0.724	14.48	9.65	7.24	5.79	4.83	3.62	2.90	2.41
9.7	0.739	14.79	9.86	7.39	5.91	4.93	3.70	2.96	2.46
9.8	0.755	15.09	10.06	7.55	6.04	5.03	3.77	3.02	2.52

AREA SECTION TABLE									
Wire Size $\varnothing$ (mm)	Area Section (cm <sup>2</sup> )	Area Section (cm <sup>2</sup> /m)							
		Space(mm)							
		50	75	100	125	150	200	250	300
9.9	0.770	15.40	10.27	7.70	6.16	5.13	3.85	3.08	2.57
10.0	0.786	15.71	10.48	7.86	6.29	5.24	3.93	3.14	2.62
10.1	0.802	16.03	10.69	8.02	6.41	5.34	4.01	3.21	2.67
10.2	0.817	16.35	10.90	8.17	6.54	5.45	4.09	3.27	2.72
10.3	0.834	16.67	11.11	8.34	6.67	5.56	4.17	3.33	2.78
10.4	0.850	17.00	11.33	8.50	6.80	5.67	4.25	3.40	2.83
10.5	0.866	17.33	11.55	8.66	6.93	5.77	4.33	3.46	2.89
10.6	0.883	17.66	11.77	8.83	7.06	5.89	4.41	3.53	2.94
10.7	0.900	17.99	11.99	9.00	7.20	6.00	4.50	3.60	3.00
10.8	0.916	18.33	12.22	9.16	7.33	6.11	4.58	3.67	3.05
10.9	0.934	18.67	12.45	9.34	7.47	6.22	4.67	3.73	3.11
11.0	0.951	19.01	12.68	9.51	7.61	6.34	4.75	3.80	3.17
11.1	0.968	19.36	12.91	9.68	7.74	6.45	4.84	3.87	3.23
11.2	0.986	19.71	13.14	9.86	7.88	6.57	4.93	3.94	3.29
11.3	1.003	20.07	13.38	10.03	8.03	6.69	5.02	4.01	3.34
11.4	1.021	20.42	13.61	10.21	8.17	6.81	5.11	4.08	3.40
11.5	1.039	20.78	13.85	10.39	8.31	6.93	5.20	4.16	3.46
11.6	1.057	21.15	14.10	10.57	8.46	7.05	5.29	4.23	3.52
11.7	1.076	21.51	14.34	10.76	8.60	7.17	5.38	4.30	3.59
11.8	1.094	21.88	14.59	10.94	8.75	7.29	5.47	4.38	3.65
11.9	1.113	22.25	14.84	11.13	8.90	7.42	5.56	4.45	3.71
12.0	1.131	22.63	15.09	11.31	9.05	7.54	5.66	4.53	3.77

### CALCULATING METHOD

$A_s$  (LA WIRE MESH) = 0.44 X  $A_s$  (ROUND BARS)

**\*\* EXAMPLE \*\***

IF ROUND BARS =  $\varnothing$  9.0 mm @ 20 cm ( $A_s = 3.18 \text{ cm}^2/\text{m}$ )

THEN L.A. WIRE MESH =  $\varnothing$  6.0 mm @ 20 cm ( $A_s = 1.41 \text{ cm}^2/\text{m}$ )