

Angle iron (L-shape) weight chart

Equal and unequal leg L-angles from the AISC Shapes Database v16.0, L2 to L12, with weight per foot.

Section	a (mm)	b (mm)	t (mm)	kg/m	lb/ft	A (cm ²)	I _x (cm ⁴)	Z _x (cm ³)
L2x2x1/8	50.8	50.8	3.18	2.40	1.65	3.17	7.87	2.11
L2-1/2x1-1/2x3/16	38.1	63.5	4.76	3.60	2.44	4.67	19.30	4.59
L2x2x3/16	50.8	50.8	4.76	3.60	2.44	4.66	11.30	3.08
L2-1/2x2x3/16	50.8	63.5	4.76	4.20	2.75	5.28	21.30	4.80
L3x2x3/16	50.8	76.2	4.76	4.60	3.07	5.92	35.30	6.78
L2-1/2x2-1/2x3/16	63.5	63.5	4.76	4.60	3.07	5.81	22.30	4.83
L2x2x1/4	50.8	50.8	6.35	4.70	3.19	6.09	14.40	4.00
L2-1/2x1-1/2x1/4	38.1	63.5	6.35	4.80	3.19	6.11	24.70	5.96
L3x2-1/2x3/16	63.5	76.2	4.76	5.10	3.39	6.45	37.40	6.93
L2-1/2x2x1/4	50.8	63.5	6.35	5.40	3.62	6.90	27.30	6.24
L3x3x3/16	76.2	76.2	4.76	5.50	3.71	7.03	39.50	7.10
L2x2x5/16	50.8	50.8	7.94	5.80	3.92	7.48	17.20	4.88
L3x2x1/4	50.8	76.2	6.35	6.10	4.10	7.74	45.40	8.87
L2-1/2x2-1/2x1/4	63.5	63.5	6.35	6.10	4.10	7.68	28.80	6.34
L3x2-1/2x1/4	63.5	76.2	6.35	6.70	4.50	8.52	48.30	9.09
L2-1/2x2x5/16	50.8	63.5	7.94	6.70	4.50	8.52	32.90	7.62
L2x2x3/8	50.8	50.8	9.53	7.00	4.70	8.84	19.80	5.70
L3-1/2x2-1/2x1/4	63.5	88.9	6.35	7.30	4.90	9.35	75.30	12.30
L3x3x1/4	76.2	76.2	6.35	7.30	4.90	9.29	51.20	9.32
L3x2x5/16	50.8	76.2	7.94	7.40	5.00	9.55	54.90	10.80
L2-1/2x2-1/2x5/16	63.5	63.5	7.94	7.40	5.00	9.42	34.80	7.77
L2-1/2x2x3/8	50.8	63.5	9.53	7.90	5.30	10.00	38.00	8.95
L3-1/2x3x1/4	76.2	88.9	6.35	8.00	5.40	10.20	79.90	12.70
L3x2-1/2x5/16	63.5	76.2	7.94	8.30	5.60	10.50	58.70	11.20
L4x3x1/4	76.2	102	6.35	8.60	5.80	10.90	114	16.20
L3-1/2x3-1/2x1/4	88.9	88.9	6.35	8.60	5.80	11.00	83.20	12.90
L2-1/2x2-1/2x3/8	63.5	63.5	9.53	8.70	5.90	11.20	40.50	9.14
L3x2x3/8	50.8	76.2	9.53	8.80	5.90	11.30	64.10	12.80
L3-1/2x2-1/2x5/16	63.5	88.9	7.94	9.00	6.10	11.50	91.60	15.20
L3x3x5/16	76.2	76.2	7.94	9.10	6.10	11.50	62.40	11.50
L4x3-1/2x1/4	88.9	102	6.35	9.20	6.20	11.70	120	16.60
L5x3x1/4	76.2	127	6.35	9.80	6.60	12.50	212	24.70

Section	a (mm)	b (mm)	t (mm)	kg/m	lb/ft	A (cm ²)	Ix (cm ⁴)	Zx (cm ³)
L4x4x1/4	102	102	6.35	9.80	6.60	12.50	125	16.90
L3-1/2x3x5/16	76.2	88.9	7.94	9.80	6.60	12.60	97.00	15.60
L3x2-1/2x3/8	63.5	76.2	9.53	9.80	6.60	12.50	68.70	13.20
L5x3-1/2x1/4	88.9	127	6.35	10.40	7.00	13.40	223	25.40
L4x3x5/16	76.2	102	7.94	10.70	7.20	13.50	140	20.00
L3-1/2x3-1/2x5/16	88.9	88.9	7.94	10.70	7.20	13.50	102	15.90
L3-1/2x2-1/2x3/8	63.5	88.9	9.53	10.70	7.20	13.70	107	17.90
L3x3x3/8	76.2	76.2	9.53	10.70	7.20	13.60	72.80	13.50
L3x2-1/2x7/16	63.5	76.2	11.1	11.30	7.60	14.30	77.80	15.10
L4x3-1/2x5/16	88.9	102	7.94	11.40	7.70	14.50	147	20.50
L2-1/2x2-1/2x1/2	63.5	63.5	12.7	11.40	7.70	14.60	50.80	11.70
L3x2x1/2	50.8	76.2	12.7	11.50	7.70	14.60	79.90	16.40
L3-1/2x3x3/8	76.2	88.9	9.53	11.70	7.90	15.00	114	18.40
L5x3x5/16	76.2	127	7.94	12.10	8.20	15.50	260	30.60
L4x4x5/16	102	102	7.94	12.20	8.20	15.50	153	20.80
L3x3x7/16	76.2	76.2	11.1	12.40	8.30	15.70	82.40	15.50
L4x3x3/8	76.2	102	9.53	12.60	8.50	16.10	164	23.60
L3-1/2x3-1/2x3/8	88.9	88.9	9.53	12.60	8.50	16.10	119	18.80
L3x2-1/2x1/2	63.5	76.2	12.7	12.60	8.50	16.10	86.20	16.90
L5x3-1/2x5/16	88.9	127	7.94	12.90	8.70	16.50	274	31.50
L4x3-1/2x3/8	88.9	102	9.53	13.50	9.10	17.30	173	24.30
L3-1/2x3x7/16	76.2	88.9	11.1	13.50	9.10	17.20	129	21.10
L3-1/2x2-1/2x1/2	63.5	88.9	12.7	13.90	9.40	17.90	135	23.10
L3x3x1/2	76.2	76.2	12.7	14.00	9.40	17.80	91.60	17.40
L6x3-1/2x5/16	88.9	152	7.94	14.50	9.80	18.60	454	44.60
L5x3x3/8	76.2	127	9.53	14.50	9.80	18.50	306	36.40
L4x4x3/8	102	102	9.53	14.60	9.80	18.50	180	24.60
L3-1/2x3-1/2x7/16	88.9	88.9	11.1	14.60	9.80	18.60	135	21.60
L3-1/2x3x1/2	76.2	88.9	12.7	15.10	10.20	19.50	144	23.80
L6x4x5/16	102	152	7.94	15.30	10.30	19.50	475	45.40
L5x5x5/16	127	127	7.94	15.30	10.30	19.80	310	33.40
L5x3-1/2x3/8	88.9	127	9.53	15.40	10.40	19.70	323	37.40
L4x3x1/2	76.2	102	12.7	16.40	11.10	21.00	209	30.60
L3-1/2x3-1/2x1/2	88.9	88.9	12.7	16.50	11.10	21.00	151	24.30
L5x3x7/16	76.2	127	11.1	16.70	11.30	21.40	350	42.00

Section	a (mm)	b (mm)	t (mm)	kg/m	lb/ft	A (cm ²)	I _x (cm ⁴)	Z _x (cm ³)
L4x4x7/16	102	102	11.1	16.80	11.30	21.30	205	28.30
L6x3-1/2x3/8	88.9	152	9.53	17.30	11.70	22.20	537	52.90
L4x3-1/2x1/2	88.9	102	12.7	17.60	11.90	22.60	221	31.50
L6x4x3/8	102	152	9.53	18.20	12.30	23.30	558	54.10
L5x5x3/8	127	127	9.53	18.30	12.30	23.50	365	39.50
L6x6x5/16	152	152	7.94	18.50	12.40	23.70	541	48.30
L5x3x1/2	76.2	127	12.7	19.00	12.80	24.20	393	47.40
L4x4x1/2	102	102	12.7	19.00	12.80	24.20	230	32.10
L7x4x3/8	102	178	9.53	20.20	13.60	25.80	853	72.40
L5x3-1/2x1/2	88.9	127	12.7	20.20	13.60	25.80	416	48.70
L4x3x5/8	76.2	102	15.9	20.20	13.60	25.70	250	37.40
L6x4x7/16	102	152	11.1	21.20	14.30	27.00	641	62.40
L5x5x7/16	127	127	11.1	21.30	14.30	27.20	416	45.60
L6x6x3/8	152	152	9.53	22.20	14.90	28.30	641	57.50
L6x3-1/2x1/2	88.9	152	12.7	22.70	15.30	29.00	691	69.30
L7x4x7/16	102	178	11.1	23.40	15.70	29.90	982	83.70
L4x4x5/8	102	102	15.9	23.40	15.70	29.70	276	39.00
L6x4x1/2	102	152	12.7	24.00	16.20	30.60	720	70.60
L5x5x1/2	127	127	12.7	24.10	16.20	30.90	470	51.60
L5x3-1/2x5/8	88.9	127	15.9	24.90	16.80	31.80	499	59.50
L8x4x7/16	102	203	11.1	25.60	17.20	33.00	1,420	108
L6x6x7/16	152	152	11.1	25.60	17.20	32.80	733	66.50
L7x4x1/2	102	178	12.7	26.50	17.90	33.90	1,110	94.90
L6x4x9/16	102	152	14.3	26.90	18.10	34.30	799	78.80
L4x4x3/4	102	102	19.1	27.50	18.50	35.10	317	45.70
L8x4x1/2	102	203	12.7	29.00	19.60	37.40	1,610	123
L6x6x1/2	152	152	12.7	29.20	19.60	37.20	828	75.20
L5x3-1/2x3/4	88.9	127	19.1	29.30	19.80	37.70	579	69.80
L6x4x5/8	102	152	15.9	29.60	20.00	37.80	874	86.70
L5x5x5/8	127	127	15.9	29.80	20.00	38.10	566	63.10
L8x6x7/16	152	203	11.1	29.90	20.20	38.60	1,640	116
L8x4x9/16	102	203	14.3	32.40	21.90	41.90	1,790	137
L6x6x9/16	152	152	14.3	32.60	21.90	41.60	916	83.90
L7x4x5/8	102	178	15.9	32.70	22.10	41.90	1,350	117
L8x6x1/2	152	203	12.7	34.10	23.00	43.90	1,850	131

Section	a (mm)	b (mm)	t (mm)	kg/m	lb/ft	A (cm ²)	Ix (cm ⁴)	Zx (cm ³)
L6x4x3/4	102	152	19.1	35.00	23.60	44.80	1,020	102
L5x5x3/4	127	127	19.1	35.10	23.60	45.00	653	74.10
L8x4x5/8	102	203	15.9	36.00	24.20	46.20	1,960	151
L6x6x5/8	152	152	15.9	36.00	24.20	46.00	1,000	92.40
L8x6x9/16	152	203	14.3	38.10	25.70	49.10	2,060	147
L7x4x3/4	102	178	19.1	38.80	26.20	49.90	1,570	137
L8x8x1/2	203	203	12.7	39.30	26.40	50.60	2,030	137
L6x4x7/8	102	152	22.2	40.30	27.20	51.60	1,150	117
L5x5x7/8	127	127	22.2	40.50	27.20	51.60	741	84.60
L8x6x5/8	152	203	15.9	42.20	28.50	54.30	2,260	162
L8x4x3/4	102	203	19.1	42.50	28.70	54.80	2,290	179
L6x6x3/4	152	152	19.1	42.70	28.70	54.60	1,170	109
L8x8x9/16	203	203	14.3	44.00	29.60	56.60	2,260	153
L8x8x5/8	203	203	15.9	48.70	32.70	62.50	2,480	169
L8x4x7/8	102	203	22.2	49.30	33.10	63.20	2,610	205
L6x6x7/8	152	152	22.2	49.30	33.10	62.90	1,330	125
L8x6x3/4	152	203	19.1	50.10	33.80	64.50	2,640	192
L8x4x1	102	203	25.4	55.40	37.40	71.60	2,900	229
L6x6x1	152	152	25.4	55.70	37.40	71.00	1,470	140
L8x8x3/4	203	203	19.1	57.90	38.90	74.20	2,910	200
L8x6x7/8	152	203	22.2	57.90	39.10	74.20	3,010	220
L8x6x1	152	203	25.4	65.50	44.20	84.50	3,370	247
L8x8x7/8	203	203	22.2	67.00	45.00	85.80	3,320	229
L10x10x3/4	254	254	19.1	73.10	49.10	93.60	5,790	315
L8x8x1	203	203	25.4	75.90	51.00	97.40	3,710	259
L10x10x7/8	254	254	22.2	84.70	56.90	108.00	6,580	359
L8x8x1-1/8	203	203	28.6	84.70	56.90	108.00	4,080	287
L10x10x1	254	254	25.4	96.30	64.70	123.00	7,370	406
L10x10x1-1/8	254	254	28.7	108.00	72.30	137.00	8,160	452
L12x12x1	305	305	25.4	116.00	77.80	148.00	13,100	598
L10x10x1-1/4	254	254	31.8	119.00	79.90	151.00	8,870	495
L12x12x1-1/8	305	305	28.7	130.00	87.20	166.00	14,600	667
L10x10x1-3/8	254	254	35.1	130.00	87.10	165.00	9,610	541
L12x12x1-1/4	305	305	31.8	143.00	96.40	183.00	15,900	731
L12x12x1-3/8	305	305	35.1	156.00	105.00	201.00	17,200	797

Source: AISC Shapes Database v16.0. Nominal values for estimating; verify with the producer. steelweight-calculator.com