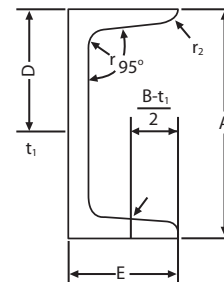




Channels

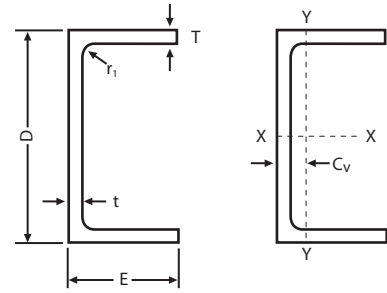


U-channels

(Metric units)

Section Size	Unit weight		Section Depth		Flange Width		Web Thickness		Flange Thickness		Corner Radius				Section Area	
A x B x t1	M		A		B		t ¹		t ²		r ¹		r ²		A	
mm (in)	kg/m	lb/ft	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	cm ²	in ²
75 x 40 x 5	6.9	4.65	75	2.95	40	1.57	5.0	0.20	7.0	0.28	8	0.31	4.0	0.16	8.82	1.37
100 x 50 x 5	9.4	6.29	100	3.94	50	1.97	5.0	0.20	7.5	0.30	8	0.31	4.0	0.16	11.92	1.85
125 x 65 x 6	13.4	9.00	125	4.92	65	2.56	6.0	0.24	8.0	0.31	8	0.31	4.0	0.16	17.11	2.65
150 x 75 x 6.5	18.6	12.50	150	5.91	75	2.95	6.5	0.26	10.0	0.39	10	0.39	5.0	0.20	23.71	3.67
150 x 75 x 9	24.0	16.13	150	5.91	75	2.95	9.0	0.35	12.5	0.49	15	0.59	7.5	0.30	30.49	4.73
180 x 75 x 7	21.4	14.38	180	7.09	75	2.95	7.0	0.28	10.5	0.41	11	0.43	5.5	0.22	27.20	4.22
180 x 90 x 7.5	27.1	18.21	180	7.09	90	3.54	7.5	0.30	12.5	0.49	13	0.51	6.5	0.26	34.57	5.36
200 x 80 x 7.5	24.6	16.53	200	7.87	80	3.15	7.5	0.30	11.0	0.43	12	0.47	6.0	0.24	31.33	4.86
200 x 90 x 8	30.3	20.36	200	7.87	90	3.54	8.0	0.31	13.5	0.53	14	0.55	7.0	0.28	38.65	5.99
230 x 80 x 8	28.4	19.08	230	9.06	80	3.15	8.0	0.31	12.0	0.47	13	0.51	6.5	0.26	36.12	5.60
230 x 90 x 8.5	33.1	22.24	230	9.06	90	3.54	8.5	0.33	13.5	0.53	15	0.59	7.5	0.30	42.14	6.53
250 x 80 x 8	30.2	20.29	250	9.84	80	3.15	8.0	0.31	12.5	0.49	14	0.55	7.0	0.28	38.51	5.97
250 x 90 x 9	34.6	23.25	250	9.84	90	3.54	9.0	0.35	13.0	0.51	14	0.55	7.0	0.28	44.07	6.83
250 x 90 x 11	40.2	27.01	250	9.84	90	3.54	11.0	0.43	14.5	0.57	17	0.67	8.5	0.33	51.17	7.93
280 x 100 x 9	38.8	26.07	280	11.02	100	3.94	9.0	0.35	13.0	0.51	14	0.55	7.0	0.28	49.37	7.65
280 x 100 x 11.5	48.2	32.39	280	11.02	100	3.94	11.5	0.45	16.0	0.63	18	0.71	9.0	0.35	61.37	9.51
300 x 90 x 9	38.1	25.60	300	11.81	90	3.54	9.0	0.35	12.0	0.47	14	0.55	7.0	0.28	48.57	7.53
300 x 90 x 10	43.8	29.43	300	11.81	90	3.54	10.0	0.39	15.5	0.61	19	0.75	9.5	0.37	55.74	8.64
380 x 100 x 10.5	54.5	36.62	380	14.96	100	3.94	10.5	0.41	16.0	0.63	18	0.71	9.0	0.35	69.38	10.75
380 x 100 x 13	62.0	41.66	380	14.96	100	3.94	13.0	0.51	16.5	0.65	18	0.71	9.0	0.35	78.96	12.24

Material Spec: EN10025 S275JR
EN10025 S355JR
JIS G3101 SS400



Parallel Flange Channels

Designation		Thickness		Root Radius	Depth Between Fillets	Area Of Section	Centre Of Gravity	Ratios For Local Buckling		Second Moment Of Area	
Size	Mass Per Metre	Web	Flange							Axis	Axis
D x B		t	T	r ¹	d	A	C _y	Flange	Web	x - x	x - y
	kg/m	mm	mm	mm	mm	cm ²	cm	B/T	d/t	cm ⁴	cm ⁴
100 x 50	10.2	5.0	8.5	9	65	13.0	1.7	5.9	13.0	208	32.3
125 x 65	14.8	5.5	9.5	12	82	18.8	2.3	6.8	14.9	483	80
150 x 75	17.9	5.5	10.0	12	106	22.8	2.6	7.5	19.3	861	131
150 x 90	23.9	6.5	12.0	12	102	30.4	3.3	7.5	15.7	1162	253
180 x 75	20.3	6.0	10.5	12	135	25.9	2.4	7.1	22.5	1370	146
180 x 90	26.1	6.5	12.5	12	131	33.2	3.2	7.2	20.2	1817	277
200 x 75	23.4	6.0	12.5	12	151	29.9	2.5	6.0	25.2	1963	170
200 x 90	29.7	7.0	14.0	12	148	37.9	3.1	6.4	21.1	2523	314
230 x 75	25.7	6.5	12.5	12	181	32.7	2.3	6.0	27.8	2748	181
230 x 90	32.2	7.5	14.0	12	178	41.0	2.9	6.4	23.7	3518	334
250 x 90	35.5	8.0	15.0	12	220	45.2	2.9	6.0	27.5	4510	364
260 x 75	27.6	7.0	12.0	12	212	35.1	2.1	6.3	30.3	3619	185
260 x 90	34.8	8.0	14.0	12	208	44.4	2.7	6.4	26.0	4728	353
300 x 90	41.4	9.0	15.5	12	245	52.7	2.6	5.8	27.2	7218	404
300 x 100	45.5	9.0	16.5	15	237	58.0	3.1	6.1	26.3	8229	568
380 x 100	54.0	9.5	17.5	15	315	68.7	2.8	5.7	33.2	15030	643
430 x 100	64.4	11.0	19.0	15	362	82.1	2.6	5.3	32.9	21940	722

Material Spec: EN10025 S275JR
EN10025 S355JR