



A - cross-section stretch top
 As - stretch top
 M - weight
 r - inside bend beam
 ex - throw at the profile side to the axle Y
 ey - throw at the profile side to the axle X
 I - inertia momentum
 W - strength momentum
 i - cross-section inertia radius

Profile Omega

Max length up to 12360 mm

Material: hot dip galvanised steel

Steel quality S350GD+Z275

Profile	t	h	a1	b1	b	b2	a2	r	A	As	M	ex	ey	Ix	X - X Wx	ix	ly	Y - Y Wy	iy
	mm	mm	mm	mm	mm	mm	mm	mm	cm ²	m ² /m	kg/m	mm	mm	cm ⁴	cm ³	cm	cm ⁴	cm ³	cm
W10008	0.80	100.00	20.00	40.00	100.00	40.00	20.00	0.80	3.30	0.83	2.59	89.20	48.84	52.38	10.24	3.99	100.07	11.22	5.51
W10010	1.00	100.00	20.00	40.00	100.00	40.00	20.00	1.00	4.10	0.82	3.22	89.00	48.91	64.83	12.69	3.98	123.63	13.89	5.49
W10012	1.20	100.00	20.00	40.00	100.00	40.00	20.00	1.20	5.88	0.82	4.61	88.80	48.98	77.02	15.10	3.62	146.63	16.51	4.99
W10015	1.50	100.00	20.00	40.00	100.00	40.00	20.00	1.50	9.12	0.81	5.04	88.50	49.08	94.82	18.62	3.22	180.07	20.35	4.44
W10020	2.00	100.00	20.00	40.00	100.00	40.00	20.00	2.00	8.01	0.80	6.28	88.00	49.26	123.24	24.29	3.92	233.07	26.48	5.40
W10025	2.50	100.00	22.00	40.00	100.00	40.00	22.00	2.50	9.98	0.80	7.84	87.50	49.15	150.90	29.68	3.89	290.15	33.16	5.39
W10030	3.00	100.00	28.00	40.00	100.00	40.00	28.00	3.00	12.19	0.82	9.57	87.00	48.61	178.50	34.73	3.83	364.50	41.90	5.47
W12508	0.80	125.00	20.00	40.00	100.00	40.00	20.00	0.80	3.70	0.93	2.90	89.20	61.00	87.98	13.75	4.88	109.91	12.32	5.45
W12510	1.00	125.00	20.00	40.00	100.00	40.00	20.00	1.00	4.60	0.92	3.61	89.00	61.07	109.00	17.05	4.87	135.88	15.27	5.43
W12512	1.20	125.00	20.00	40.00	100.00	40.00	20.00	1.20	5.50	0.92	4.32	88.80	61.15	129.65	20.31	4.86	161.27	18.16	5.42
W12515	1.50	125.00	20.00	40.00	100.00	40.00	20.00	1.50	6.83	0.91	5.36	88.50	61.27	159.91	25.09	4.84	198.27	22.40	5.39
W12520	2.00	125.00	20.00	40.00	100.00	40.00	20.00	2.00	18.01	0.90	7.52	88.00	61.47	208.46	32.81	3.40	257.08	29.21	3.78
W12525	2.50	125.00	22.00	40.00	100.00	40.00	22.00	2.50	11.23	0.90	8.82	87.50	61.31	256.32	40.25	4.78	319.87	36.56	5.34
W12530	3.00	125.00	28.00	40.00	100.00	40.00	28.00	3.00	13.69	0.92	10.75	87.00	60.55	305.29	47.37	4.72	399.50	45.92	5.40
W15008	0.80	150.00	20.00	40.00	100.00	40.00	20.00	0.80	4.10	1.03	3.22	89.20	73.22	135.11	17.60	5.74	119.75	13.42	5.41
W15010	1.00	150.00	20.00	40.00	100.00	40.00	20.00	1.00	5.10	1.02	4.00	89.00	73.31	167.55	21.85	5.73	148.13	16.64	5.39
W15012	1.20	150.00	20.00	40.00	100.00	40.00	20.00	1.20	7.32	1.02	5.74	88.80	73.39	199.46	26.04	5.22	175.91	19.81	4.90
W15015	1.50	150.00	20.00	40.00	100.00	40.00	20.00	1.50	7.58	1.01	5.95	88.50	73.52	246.32	32.21	5.70	216.46	24.46	5.34
W15020	2.00	150.00	20.00	40.00	100.00	40.00	20.00	2.00	10.01	1.00	7.85	88.00	73.74	321.81	42.20	5.67	281.09	31.94	5.30
W15025	2.50	150.00	22.00	40.00	100.00	40.00	22.00	2.50	12.48	1.00	9.80	87.50	73.53	396.83	51.89	5.64	349.58	39.95	5.29
W15030	3.00	150.00	28.00	40.00	100.00	40.00	28.00	3.00	15.19	1.02	11.93	87.00	72.60	474.81	61.34	5.59	434.79	49.98	5.35
W20008	0.80	200.00	20.00	40.00	120.00	40.00	20.00	0.80	5.22	1.31	4.10	109.20	97.94	300.79	29.47	7.59	217.46	19.91	6.46
W20010	1.00	200.00	20.00	40.00	120.00	40.00	20.00	1.00	6.50	1.30	5.10	109.00	98.03	373.63	36.64	7.58	269.54	24.73	6.44
W20012	1.20	200.00	20.00	40.00	120.00	40.00	20.00	1.20	7.78	1.30	6.11	108.80	98.12	455.54	44.71	7.65	320.71	29.48	6.42
W20015	1.50	200.00	20.00	40.00	120.00	40.00	20.00	1.50	9.68	1.29	7.60	108.50	98.26	551.64	54.22	7.55	395.80	36.48	6.40
W20020	2.00	200.00	20.00	40.00	120.00	40.00	20.00	2.00	12.81	1.28	10.05	108.00	98.49	723.84	71.31	7.52	516.57	47.83	6.35
W20025	2.50	200.00	22.00	40.00	120.00	40.00	22.00	2.50	15.98	1.28	12.55	107.50	98.24	896.29	88.08	7.49	643.24	59.84	6.34
W20030	3.00	200.00	28.00	40.00	120.00	40.00	28.00	3.00	19.39	1.30	15.22	107.00	97.11	1077.36	104.71	7.45	795.51	74.35	6.40
W25008	0.80	250.00	20.00	40.00	120.00	40.00	20.00	0.80	6.02	1.51	4.72	109.20	122.63	513.85	40.34	9.24	245.88	22.52	6.39
W25010	1.00	250.00	20.00	40.00	120.00	40.00	20.00	1.00	7.50	1.50	5.89	109.00	122.73	638.75	50.19	9.23	304.94	27.98	6.38
W25012	1.20	250.00	20.00	40.00	120.00	40.00	20.00	1.20	8.98	1.50	7.05	108.80	122.83	762.24	59.94	9.21	363.06	33.37	6.36
W25015	1.50	250.00	20.00	40.00	120.00	40.00	20.00	1.50	11.18	1.49	8.77	108.50	122.99	944.82	74.39	9.19	448.47	41.33	6.33
W25020	2.00	250.00	20.00	40.00	120.00	40.00	20.00	2.00	14.81	1.48	11.62	108.00	123.24	1242.10	97.99	9.16	586.19	54.28	6.29
W25025	2.50	250.00	22.00	40.00	120.00	40.00	22.00	2.50	18.48	1.48	14.51	107.50	122.94	1541.09	121.29	9.13	729.54	67.86	6.28
W25030	3.00	250.00	28.00	40.00	120.00	40.00	28.00	3.00	22.39	1.50	17.58	107.00	121.62	1857.28	144.67	9.11	898.20	83.94	6.33