



A - cross-section stretch top
 As - stretch top
 M - weight
 r - inside bend radius
 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 Sigma

Max length up to 12360 mm
 Material: hot dip galvanised steel
Steel quality S350GD+Z275

Profile	t	h	b	b1	a, a1	c	c1	r	A	As	M	ex	ey	Ix	X - X Wx	ix	Iy	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
S 15008	0.80	150.00	75.00	65.00	20.00	38.50	38.50	0.80	2.89	0.73	2.27	27.79	77.02	98.95	12.85	5.85	16.25	3.44	2.37
S 15010	1.00	150.00	75.00	65.00	20.00	38.50	38.50	1.00	3.63	0.72	2.85	27.73	76.84	123.09	16.02	5.82	20.13	4.26	2.36
S 15012	1.20	150.00	75.00	65.00	20.00	38.50	38.50	1.20	4.35	0.72	3.42	27.84	76.97	147.17	19.12	5.82	24.05	5.10	2.35
S 15015	1.50	150.00	75.00	65.00	20.00	38.50	38.50	1.50	5.40	0.72	4.24	27.79	76.84	181.59	23.63	5.80	29.32	6.21	2.33
S 15020	2.00	150.00	75.00	65.00	20.00	38.50	38.50	2.00	7.14	0.71	5.60	27.86	76.84	237.96	30.97	5.77	37.93	8.05	2.31
S 15025	2.50	150.00	75.00	65.00	22.00	38.50	38.50	2.50	8.96	0.71	7.04	28.38	76.85	295.37	38.44	5.74	47.68	10.23	2.31
S 15030	3.00	150.00	75.00	65.00	28.00	38.50	38.50	3.00	11.05	0.73	8.67	29.76	76.80	357.39	46.54	5.69	61.17	13.52	2.35
S 17508	0.80	175.00	75.00	65.00	20.00	51.00	51.00	0.80	3.10	0.78	2.43	26.01	89.70	139.78	15.58	6.72	17.66	3.60	2.39
S 17510	1.00	175.00	75.00	65.00	20.00	51.00	51.00	1.00	3.88	0.77	3.04	25.98	89.55	173.80	19.41	6.69	21.86	4.46	2.37
S 17512	1.20	175.00	75.00	65.00	20.00	51.00	51.00	1.20	4.65	0.77	3.65	26.08	89.68	207.88	23.18	6.69	26.13	5.34	2.37
S 17515	1.50	175.00	75.00	65.00	20.00	51.00	51.00	1.50	5.78	0.47	4.53	26.03	89.54	256.68	28.67	6.67	31.89	6.51	2.35
S 17520	2.00	175.00	75.00	65.00	20.00	51.00	51.00	2.00	7.64	0.76	5.99	26.10	89.55	336.76	37.61	6.64	41.30	8.45	2.33
S 17525	2.50	175.00	75.00	65.00	22.00	51.00	51.00	2.50	9.59	0.76	7.53	26.61	89.56	418.73	46.75	6.61	51.98	10.74	2.33
S 17530	3.00	175.00	75.00	65.00	28.00	51.00	51.00	3.00	11.80	0.78	9.26	27.96	89.50	508.51	56.82	6.57	66.79	14.20	2.38
S 20008	0.80	200.00	75.00	65.00	20.00	51.00	51.00	0.80	3.30	0.83	2.59	26.34	102.43	191.97	18.74	7.63	17.71	3.64	2.32
S 20010	1.00	200.00	75.00	65.00	20.00	51.00	51.00	1.00	4.13	0.82	3.24	26.31	102.23	238.92	23.37	7.61	21.93	4.50	2.31
S 20012	1.20	200.00	75.00	65.00	20.00	51.00	51.00	1.20	4.95	0.82	3.89	26.41	102.37	285.90	27.93	7.60	26.22	5.40	2.30
S 20015	1.50	200.00	75.00	65.00	20.00	51.00	51.00	1.50	6.15	0.82	4.83	26.38	102.22	353.29	34.56	7.58	32.00	6.58	2.28
S 20020	2.00	200.00	75.00	65.00	20.00	51.00	51.00	2.00	8.14	0.81	6.39	26.46	102.22	464.05	45.40	7.55	41.47	8.54	2.26
S 20025	2.50	200.00	75.00	65.00	22.00	51.00	51.00	2.50	10.21	0.81	8.02	26.96	102.25	577.94	56.52	7.52	52.22	10.87	2.26
S 20030	3.00	200.00	75.00	65.00	28.00	51.00	51.00	3.00	12.56	0.83	9.86	28.24	102.20	703.60	68.85	7.48	66.94	14.32	2.31
S 22508	0.80	225.00	80.00	70.00	25.00	51.00	51.00	0.80	3.67	0.92	2.88	29.49	115.01	271.25	23.58	8.59	22.59	4.47	2.48
S 22510	1.00	225.00	80.00	70.00	25.00	51.00	51.00	1.00	4.60	0.92	3.61	29.46	114.76	337.95	29.45	8.57	28.00	5.54	2.47
S 22512	1.20	225.00	80.00	70.00	25.00	51.00	51.00	1.20	5.52	0.92	4.33	29.56	114.91	404.57	35.21	8.56	33.46	6.63	2.46
S 22515	1.50	225.00	80.00	70.00	25.00	51.00	51.00	3.00	6.86	0.91	5.38	29.54	114.75	500.56	43.62	8.54	40.95	8.11	2.44
S 22520	2.00	225.00	80.00	70.00	25.00	51.00	51.00	2.00	9.08	0.91	7.13	29.63	114.75	658.48	57.38	8.52	53.18	10.56	2.42
S 22525	2.50	225.00	80.00	70.00	25.00	51.00	51.00	2.50	11.29	0.90	8.87	29.71	114.81	812.79	70.79	8.48	64.78	12.88	2.40
S 22530	3.00	225.00	80.00	70.00	28.00	51.00	51.00	3.00	13.68	0.91	10.74	30.38	114.80	975.93	85.01	8.44	79.13	15.95	2.40
S 25008	0.80	250.00	80.00	70.00	25.00	63.50	63.50	0.80	3.87	0.97	3.04	27.98	127.60	344.72	27.02	9.43	24.20	4.65	2.50
S 25010	1.00	250.00	80.00	70.00	25.00	63.50	63.50	1.00	4.85	0.97	3.81	27.97	127.39	429.29	33.70	9.41	29.99	5.76	2.49
S 25012	1.20	250.00	80.00	70.00	25.00	63.50	63.50	1.20	5.82	0.97	4.57	28.06	127.54	514.02	40.30	9.40	35.86	6.90	2.48
S 25015	1.50	250.00	80.00	70.00	25.00	63.50	63.50	1.50	7.23	0.96	5.68	28.04	127.38	636.23	49.95	9.38	43.90	8.45	2.46
S 25020	2.00	250.00	80.00	70.00	25.00	63.50	63.50	2.00	9.58	0.96	7.52	28.13	127.38	837.50	65.75	9.35	57.08	11.00	2.44
S 25025	2.50	250.00	80.00	70.00	25.00	63.50	63.50	2.50	11.92	0.95	9.36	28.21	127.43	1034.22	81.16	9.31	69.59	13.44	2.42
S 25030	3.00	250.00	80.00	70.00	28.00	63.50	63.50	3.00	14.44	0.96	11.33	28.88	127.42	1243.00	97.55	9.28	85.08	16.64	2.43
S 27508	0.80	275.00	80.00	70.00	25.00	63.50	63.50	0.80	4.07	1.02	3.20	28.25	140.27	433.79	30.93	10.32	24.26	4.69	2.44
S 27510	1.00	275.00	80.00	70.00	25.00	63.50	63.50	1.00	5.10	1.02	4.00	28.24	140.03	540.51	38.60	10.30	30.06	5.81	2.43
S 27512	1.20	275.00	80.00	70.00	25.00	63.50	63.50	1.20	6.12	1.02	4.80	28.34	140.18	647.34	46.18	10.28	35.94	6.96	2.42
S 27515	1.50	275.00	80.00	70.00	25.00	63.50	63.50	1.50	7.61	1.01	5.97	28.32	140.01	801.60	57.25	10.27	44.02	8.52	2.41
S 27520	2.00	275.00	80.00	70.00	25.00	63.50	63.50	2.00	10.08	1.01	7.91	28.42	140.00	1055.84	75.42	10.24	57.24	11.10	2.38
S 27525	2.50	275.00	80.00	70.00	25.00	63.50	63.50	2.50	12.54	1.00	9.85	28.52	140.06	1304.87	93.17	10.20	69.81	13.56	2.36
S 27530	3.00	275.00	80.00	70.00	28.00	63.50	63.50	3.00	15.20	1.01	11.93	29.16	140.07	1569.70	112.07	10.16	85.31	16.78	2.37
S 30008	0.80	300.00	80.00	70.00	25.00	63.50	63.50	0.80	4.27	1.07	3.35	28.49	152.92	535.58	35.02	11.20	24.31	4.72	2.38

S 30010	1.00	300.00	80.00	70.00	25.00	63.50	63.50	1.00	5.35	1.07	4.20	28.48	152.64	667.67	43.74	11.17	30.13	5.85	2.37
S 30012	1.20	300.00	80.00	70.00	25.00	63.50	63.50	1.20	6.42	1.07	5.04	28.58	152.80	799.78	52.34	11.16	36.02	7.01	2.37
S 30015	1.50	300.00	80.00	70.00	25.00	63.50	63.50	1.50	7.98	1.06	6.27	28.58	152.62	990.75	64.92	11.14	44.12	8.58	2.35
S 30020	2.00	300.00	80.00	70.00	25.00	63.50	63.50	2.00	10.58	1.06	8.30	28.69	152.62	1305.68	85.55	11.11	57.39	11.19	2.33
S 30025	2.50	300.00	80.00	70.00	25.00	63.50	63.50	2.50	13.17	1.05	10.34	28.79	152.69	1614.73	105.75	11.07	70.01	13.67	2.31
S 30030	3.00	300.00	80.00	70.00	28.00	63.50	63.50	3.00	15.96	1.06	12.53	29.42	152.72	1943.88	127.28	11.04	85.52	16.91	2.31
S 32508	0.80	325.00	80.00	70.00	25.00	63.50	63.50	0.80	4.47	1.12	3.51	28.71	165.55	650.72	39.31	12.06	24.35	4.75	2.33
S 32510	1.00	325.00	80.00	70.00	25.00	63.50	63.50	1.00	5.60	1.12	4.40	28.71	165.25	811.54	49.11	12.04	30.19	5.89	2.32
S 32512	1.20	325.00	80.00	70.00	25.00	63.50	63.50	1.20	6.72	1.12	5.28	28.81	165.41	972.29	58.78	12.03	36.10	7.05	2.32
S 32515	1.50	325.00	80.00	70.00	25.00	63.50	63.50	1.50	8.36	1.11	6.56	28.81	165.23	1204.83	72.92	12.01	44.22	8.64	2.30
S 32520	2.00	325.00	80.00	70.00	25.00	63.50	63.50	2.00	11.08	1.11	8.70	28.93	165.22	1588.57	96.15	11.97	57.53	11.26	2.28
S 32525	2.50	325.00	80.00	70.00	25.00	63.50	63.50	2.50	13.80	1.10	10.83	29.04	165.30	1965.73	118.92	11.94	70.19	13.77	2.26
S 32530	3.00	325.00	80.00	70.00	28.00	63.50	63.50	3.00	16.72	1.11	13.13	29.65	165.35	2367.93	143.21	11.90	85.72	17.02	2.26
S 35008	0.80	350.00	80.00	70.00	25.00	63.50	63.50	0.80	4.67	1.17	3.67	28.91	178.18	779.84	43.77	12.92	24.39	4.77	2.28
S 35010	1.00	350.00	80.00	70.00	25.00	63.50	63.50	1.00	5.85	1.17	4.59	28.91	177.85	972.90	54.70	12.90	30.24	5.92	2.27
S 35012	1.20	350.00	80.00	70.00	25.00	63.50	63.50	1.20	7.02	1.17	5.51	29.01	178.02	1165.81	65.49	12.88	36.16	7.09	2.27
S 35015	1.50	350.00	80.00	70.00	25.00	63.50	63.50	1.50	8.73	1.16	6.85	29.02	177.82	1445.03	81.26	12.87	44.31	8.69	2.25
S 35020	2.00	350.00	80.00	70.00	25.00	63.50	63.50	2.00	11.58	1.16	9.09	29.15	177.81	1906.09	107.20	12.83	57.65	11.34	2.23
S 35025	2.50	350.00	80.00	70.00	25.00	63.50	63.50	2.50	14.42	1.15	11.32	29.26	177.90	2359.85	132.65	12.79	70.36	13.87	2.21
S 35030	3.00	350.00	80.00	70.00	28.00	63.50	63.50	3.00	17.49	1.16	13.73	29.86	177.98	2844.22	159.81	12.75	85.89	17.13	2.22
S 37508	0.80	375.00	80.00	70.00	25.00	63.50	63.50	0.80	4.87	1.22	3.83	29.10	190.80	923.57	48.40	13.77	24.43	4.80	2.24
S 37510	1.00	375.00	80.00	70.00	25.00	63.50	63.50	1.00	6.10	1.22	4.79	29.10	190.44	1152.55	60.52	13.75	30.29	5.95	2.23
S 37512	1.20	375.00	80.00	70.00	25.00	63.50	63.50	1.20	7.32	1.22	5.75	29.20	190.61	1381.28	72.47	13.73	36.22	7.13	2.22
S 37515	1.50	375.00	80.00	70.00	25.00	63.50	63.50	1.50	9.11	1.21	7.15	29.21	190.41	1712.51	89.94	13.71	44.39	8.74	2.21
S 37520	2.00	375.00	80.00	70.00	25.00	63.50	63.50	2.00	12.08	1.21	9.48	29.35	190.40	2259.79	118.69	13.68	57.77	11.41	2.19
S 37525	2.50	375.00	80.00	70.00	25.00	63.50	63.50	2.50	15.05	1.20	11.81	29.47	190.50	2799.03	146.93	13.64	70.51	13.95	2.16
S 37530	3.00	375.00	80.00	70.00	28.00	63.50	63.50	3.00	18.25	1.21	14.33	30.05	190.61	3375.15	177.07	13.60	86.05	17.23	2.17
S 40008	0.80	400.00	80.00	70.00	25.00	63.50	63.50	0.80	5.07	1.27	3.98	29.26	203.40	1082.52	53.22	14.61	24.47	4.82	2.20
S 40010	1.00	400.00	80.00	70.00	25.00	63.50	63.50	1.00	6.35	1.27	4.98	29.27	203.02	1351.25	66.56	14.59	30.34	5.98	2.19
S 40012	1.20	400.00	80.00	70.00	25.00	63.50	63.50	1.20	7.63	1.27	5.99	29.38	203.20	1619.64	79.71	14.57	36.28	7.17	2.18
S 40015	1.50	400.00	80.00	70.00	25.00	63.50	63.50	1.50	9.48	1.26	7.44	29.39	202.99	2008.44	98.94	14.56	44.46	8.79	2.17
S 40020	2.00	400.00	80.00	70.00	25.00	63.50	63.50	2.00	12.58	1.26	9.88	29.53	202.98	2651.25	130.62	14.52	57.88	11.47	2.14
S 40025	2.50	400.00	80.00	70.00	25.00	63.50	63.50	2.50	15.67	1.25	12.30	29.66	203.09	3285.35	161.77	14.48	70.65	14.04	2.12
S 40030	3.00	400.00	80.00	70.00	28.00	63.50	63.50	3.00	19.01	1.26	14.93	30.23	203.23	3963.09	195.01	14.44	86.20	17.32	2.13