

# Product Technical Data Sheet

## Structural Steel Sections

### Equal Angles



Designation			Dimensions							Position of axes				Dimensions for detailing		
h	b	t	G	h = b	t	r <sub>1</sub>	r <sub>2</sub>	r <sub>3</sub>	A	z <sub>s</sub> =y <sub>s</sub>	v	u <sub>1</sub>	u <sub>2</sub>	Ø	e <sub>min</sub>	e <sub>max</sub>
mm	mm	mm	kg/m	mm	mm	mm	mm	mm	mm <sup>2</sup>	mm	mm	mm	mm		mm	mm
20	20	3	0.882	20	3	3.5	-	-	1.12	0.596	1.41	0.843	0.7	-	-	-
25	25	3	1.120	25	3	3.5	-	-	1.42	0.721	1.77	1.02	0.877	-	-	-
25	25	5	1.867													
30	30	3	1.360	30	3	5	-	-	1.74	0.835	2.12	1.18	1.05	-	-	-
30	30	4	1.780	30	4	5	-	-	2.27	0.878	2.12	1.24	1.06	-	-	-
30	30	5	2.967													
30	30	6	5.933													
40	40	3	1.815													
40	40	4	2.420	40	4	6	-	-	3.08	1.12	2.83	1.58	1.4	-	-	-
40	40	6	3.520	40	6	6	-	-	4.48	1.2	2.83	1.7	1.43	-	-	-
45	45	5	3.380	45	5	7	-	-	4.3	1.28	3.18	1.81	1.58	-	-	-
50	50	4	3.060	50	4	7	-	-	3.89	1.36	3.54	1.92	1.75	-	-	-
50	50	5	3.770	50	5	7	-	-	4.8	1.4	3.54	1.99	1.76	-	-	-
50	50	6	4.470	50	6	7	-	-	5.69	1.45	3.54	2.04	1.77	-	-	-
50	50	8	5.820	50	8	7	-	-	7.41	1.52	3.54	2.16	1.8	-	-	-
60	60	6	5.420	60	6	8	-	-	6.91	1.69	4.24	2.39	2.11	M 12	36	40.5
60	60	8	7.090	60	8	8	-	-	9.03	1.77	4.24	2.5	2.14	M 12	29	37
60	60	10	8.690	60	10	8	-	-	11.1	1.85	4.24	2.61	2.17	M12	31	37
70	70	6	6.380	70	6	9	-	-	8.13	1.93	4.95	2.73	2.46	M 16	31	41
70	70	8	8.370	70	8	10	-	-	10.7	2.01	4.95	2.84	2.47	M 16	34	41
80	80	6	7.340	80	6	10	-	-	9.35	2.17	5.66	3.07	2.81	M 16	32	51
80	80	8	9.630	80	8	10	-	-	12.3	2.26	5.66	3.19	2.83	M 16	34	51
80	80	10	11.900	80	10	10	-	-	15.1	2.34	5.66	3.3	2.85	M 16	36	51
80	80	12	14.280													
90	90	8	10.900	90	8	11	-	-	13.9	2.5	6.36	3.53	3.17	M 20	39	55
100	100	8	12.200	100	8	12	-	-	15.5	2.74	7.07	3.87	3.52	M 24	43	59
100	100	10	15.000	100	10	12	-	-	19.2	2.82	7.07	3.99	3.54	M 24	45	59
100	100	12	17.800	100	12	12	-	-	22.7	2.9	7.07	4.11	3.57	M 24	47	59
120	120	10	18.200	120	10	13	-	-	23.2	3.31	8.49	4.69	4.24	M 27	49	72
120	120	12	21.600	120	12	13	-	-	27.5	3.4	8.49	4.8	4.26	M 27	51	72
150	150	10	23.000	150	10	16	-	-	29.3	4.03	10.61	5.71	5.28	M 27	52	102
150	150	12	27.300	150	12	16	-	-	34.8	4.12	10.61	5.83	5.29	M 27	54	102
200	200	16	48.500	200	16	18	-	-	61.8	5.52	14.14	7.81	7.09	M 27	61	151
200	200	20	59.900	200	20	18	-	-	76.3	5.68	14.14	8.04	7.15	M 27	65	151

Other sections may be supplied on order.