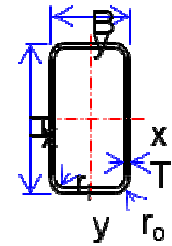


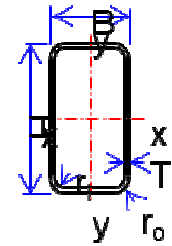
Hot finished Rectangular Hollow Sections to EN 10210-2

Designation		Thickness	Normal Corner		Mass Per metre	Area of Section	Second Moment of Area		Radius of Gyration		Elastic Modulus		Plastic Modulus			Torsional Constants		Section Surface Area	Nominal Length
H	B		External	Internal			Axis x-x	Axis y-y	Axis x-x	Axis y-y	Axis x-x	Axis y-y	Axis x-x	Axis y-y	Axis x-x	Axis y-y	J	Modulus	A <sub>s</sub>
mm	mm	mm	mm	mm	kg/m	cm <sup>2</sup>	cm <sup>4</sup>	cm <sup>4</sup>	cm	cm	cm <sup>3</sup>	cm <sup>3</sup>	cm <sup>3</sup>	cm <sup>3</sup>	cm <sup>4</sup>	cm <sup>3</sup>	m <sup>2</sup> /m	m	
50	25	2.5	3.75	2.5	2.69	3.43	10.4	3.39	1.74	0.994	4.16	2.71	5.33	3.22	8.42	4.61	0.144	371	
50	25	3	4.5	3	3.17	4.04	11.9	3.83	1.72	0.973	4.76	3.06	6.18	3.71	9.64	5.2	0.142	315	
50	30	2.5	3.75	2.5	2.89	3.68	11.8	5.22	1.79	1.19	4.73	3.48	5.92	4.11	11.7	5.73	0.154	346	
50	30	3	4.5	3	3.41	4.34	13.6	5.94	1.77	1.17	5.43	3.96	6.88	4.76	13.5	6.51	0.152	293	
50	30	3.2	4.8	3.2	3.61	4.6	14.2	6.2	1.76	1.16	5.68	4.13	7.25	5	14.2	6.8	0.152	277	
50	30	3.6	5.4	3.6	4.01	5.1	15.4	6.67	1.74	1.14	6.16	4.45	7.94	5.46	15.4	7.31	0.151	250	
50	30	4	6	4	4.39	5.59	16.5	7.08	1.72	1.13	6.6	4.72	8.59	5.88	16.6	7.77	0.15	228	
50	30	5	7.5	5	5.28	6.73	18.7	7.89	1.67	1.08	7.49	5.26	10	6.8	19	8.67	0.147	189	
60	40	2.5	3.75	2.5	3.68	4.68	22.8	12.1	2.21	1.6	7.61	6.03	9.32	7.02	25.1	9.73	0.194	272	
60	40	3	4.5	3	4.35	5.54	26.5	13.9	2.18	1.58	8.82	6.95	10.9	8.19	29.2	11.2	0.192	230	
60	40	3.2	4.8	3.2	4.62	5.88	27.8	14.6	2.18	1.57	9.27	7.29	11.5	8.64	30.8	11.7	0.192	217	
60	40	3.6	5.4	3.6	5.14	6.54	30.4	15.9	2.16	1.56	10.1	7.93	12.7	9.5	33.8	12.8	0.191	195	
60	40	4	6	4	5.64	7.19	32.8	17	2.14	1.54	10.9	8.52	13.8	10.3	36.7	13.7	0.19	177	
60	40	5	7.5	5	6.85	8.73	38.1	19.5	2.09	1.5	12.7	9.77	16.4	12.2	43	15.7	0.187	146	
60	40	6	9	6	7.99	10.2	42.3	21.4	2.04	1.45	14.1	10.7	18.6	13.7	48.2	17.3	0.185	125	
60	40	6.3	9.45	6.3	8.31	10.6	43.4	21.9	2.02	1.44	14.5	11	19.2	14.2	49.5	17.6	0.184	120	
80	40	3	4.5	3	5.29	6.74	54.2	18	2.84	1.63	13.6	9	17.1	10.4	43.8	15.3	0.232	189	
80	40	3.2	4.8	3.2	5.62	7.16	57.2	18.9	2.83	1.63	14.3	9.46	18	11	46.2	16.1	0.232	178	
80	40	3.6	5.4	3.6	6.27	7.98	62.8	20.6	2.81	1.61	15.7	10.3	20	12.1	50.8	17.5	0.231	160	
80	40	4	6	4	6.9	8.79	68.2	22.2	2.79	1.59	17.1	11.1	21.8	13.2	55.2	18.9	0.23	145	
80	40	5	7.5	5	8.42	10.7	80.3	25.7	2.74	1.55	20.1	12.9	26.1	15.7	65.1	21.9	0.227	119	
80	40	6	9	6	9.87	12.6	90.5	28.5	2.68	1.5	22.6	14.2	30	17.8	73.4	24.2	0.225	101	
80	40	6.3	9.45	6.3	10.3	13.1	93.3	29.2	2.67	1.49	23.3	14.6	31.1	18.4	75.6	24.8	0.224	97.2	
80	40	8	12	8	12.5	16	106	32.1	2.58	1.42	26.5	16.1	36.5	21.2	85.8	27.4	0.219	79.9	
76.2	50.8	3	4.5	3	5.62	7.16	56.7	30	2.81	2.05	14.9	11.8	18.2	13.7	62.1	19.1	0.246	178	
76.2	50.8	3.2	4.8	3.2	5.97	7.61	59.8	31.6	2.8	2.04	15.7	12.4	19.2	14.5	65.7	20.1	0.246	167	
76.2	50.8	3.6	5.4	3.6	6.66	8.49	65.8	34.6	2.78	2.02	17.3	13.6	21.3	16	72.5	22	0.245	150	
76.2	50.8	4	6	4	7.34	9.35	71.5	37.5	2.77	2	18.8	14.8	23.3	17.5	79.1	23.8	0.244	136	
76.2	50.8	5	7.5	5	8.97	11.4	84.4	43.9	2.72	1.96	22.2	17.3	28	20.9	94.2	27.8	0.241	111	
76.2	50.8	6	9	6	10.5	13.4	95.6	49.2	2.67	1.91	25.1	19.4	32.2	23.9	108	31.2	0.239	95	
76.2	50.8	6.3	9.45	6.3	11	14	98.6	50.6	2.66	1.9	25.9	19.9	33.4	24.8	111	32	0.238	91.1	
76.2	50.8	8	12	8	13.4	17.1	113	57	2.57	1.83	29.6	22.4	39.4	29	129	36.1	0.233	74.6	
90	50	3	4.5	3	6.24	7.94	84.4	33.5	3.26	2.05	18.8	13.4	23.2	15.3	76.5	22.4	0.272	160	
90	50	3.2	4.8	3.2	6.63	8.44	89.1	35.3	3.25	2.04	19.8	14.1	24.6	16.2	80.9	23.6	0.272	151	
90	50	3.6	5.4	3.6	7.4	9.42	98.3	38.7	3.23	2.03	21.8	15.5	27.2	18	89.4	25.9	0.271	135	
90	50	4	6	4	8.15	10.4	107	41.9	3.21	2.01	23.8	16.8	29.8	19.6	97.5	28	0.27	123	



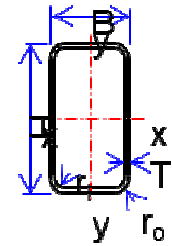
Hot finished Rectangular Hollow Sections to EN 10210-2

Designation		Thickness	Normal Corner		Mass Per metre	Area of Section	Second Moment of Area		Radius of Gyration		Elastic Modulus		Plastic Modulus			Torsional Constants		Section Surface Area	Nominal Length
H	B		External	Internal			Axis x-x	Axis y-y	Axis x-x	Axis y-y	Axis x-x	Axis y-y	Axis x-x	Axis y-y	Axis x-x	Axis y-y	Inertia		
mm	mm	T	r <sub>o</sub>	r <sub>i</sub>	M	A	I <sub>x</sub>	I <sub>y</sub>	r <sub>x</sub>	r <sub>y</sub>	Z <sub>x</sub>	Z <sub>y</sub>	S <sub>x</sub>	S <sub>y</sub>	J	C	A <sub>s</sub>	Tonne	
		mm	mm	mm	kg/m	cm <sup>2</sup>	cm <sup>4</sup>	cm <sup>4</sup>	cm	cm	cm <sup>3</sup>	cm <sup>3</sup>	cm <sup>3</sup>	cm <sup>3</sup>	cm <sup>4</sup>	cm <sup>3</sup>	m <sup>2</sup> /m	m	
90	50	5	7.5	5	9.99	12.7	127	49.2	3.16	1.97	28.3	19.7	36	23.5	116	32.9	0.267	100	
90	50	6	9	6	11.8	15	145	55.4	3.11	1.92	32.2	22.1	41.6	27	133	37	0.265	85.1	
90	50	6.3	9.45	6.3	12.3	15.6	150	57	3.1	1.91	33.3	22.8	43.2	28	138	38.1	0.264	81.5	
90	50	8	12	8	15	19.2	174	64.6	3.01	1.84	38.6	25.8	51.4	32.9	160	43.2	0.259	66.5	
100	50	3	4.5	3	6.71	8.54	110	36.8	3.58	2.08	21.9	14.7	27.3	16.8	88.4	25	0.292	149	
100	50	3.2	4.8	3.2	7.13	9.08	116	38.8	3.57	2.07	23.2	15.5	28.9	17.7	93.4	26.4	0.292	140	
100	50	3.6	5.4	3.6	7.96	10.1	128	42.6	3.55	2.05	25.6	17	32.1	19.6	103	29	0.291	126	
100	50	4	6	4	8.78	11.2	140	46.2	3.53	2.03	27.9	18.5	35.2	21.5	113	31.4	0.29	114	
100	50	5	7.5	5	10.8	13.7	167	54.3	3.48	1.99	33.3	21.7	42.6	25.8	135	36.9	0.287	92.8	
100	50	6	9	6	12.7	16.2	190	61.2	3.43	1.95	38.1	24.5	49.4	29.7	154	41.6	0.285	78.8	
100	50	6.3	9.45	6.3	13.3	16.9	197	63	3.42	1.93	39.4	25.2	51.3	30.8	160	42.9	0.284	75.4	
100	50	8	12	8	16.3	20.8	230	71.7	3.33	1.86	46	28.7	61.4	36.3	186	48.9	0.279	61.4	
100	60	3	4.5	3	7.18	9.14	124	55.7	3.68	2.47	24.7	18.6	30.2	21.2	121	30.7	0.312	139	
100	60	3.2	4.8	3.2	7.63	9.72	131	58.8	3.67	2.46	26.2	19.6	32	22.4	129	32.4	0.312	131	
100	60	3.6	5.4	3.6	8.53	10.9	145	64.8	3.65	2.44	28.9	21.6	35.6	24.9	142	35.6	0.311	117	
100	60	4	6	4	9.41	12	158	70.5	3.63	2.43	31.6	23.5	39.1	27.3	156	38.7	0.31	106	
100	60	5	7.5	5	11.6	14.7	189	83.6	3.58	2.38	37.8	27.9	47.4	32.9	188	45.9	0.307	86.5	
100	60	6	9	6	13.6	17.4	217	95	3.53	2.34	43.4	31.7	55.1	38.1	216	52.1	0.305	73.3	
100	60	6.3	9.45	6.3	14.2	18.1	225	98.1	3.52	2.33	45	32.7	57.3	39.5	224	53.8	0.304	70.2	
100	60	8	12	8	17.5	22.4	264	113	3.44	2.25	52.8	37.8	68.7	47.1	265	62.2	0.299	57	
120	60	3.6	5.4	3.6	9.66	12.3	227	76.3	4.3	2.49	37.9	25.4	47.2	28.9	183	43.3	0.351	104	
120	60	4	6	4	10.7	13.6	249	83.1	4.28	2.47	41.5	27.7	51.9	31.7	201	47.1	0.35	93.7	
120	60	5	7.5	5	13.1	16.7	299	98.8	4.23	2.43	49.9	32.9	63.1	38.4	242	56	0.347	76.1	
120	60	6	9	6	15.5	19.8	345	113	4.18	2.39	57.5	37.5	73.6	44.5	279	63.8	0.345	64.4	
120	60	6.3	9.45	6.3	16.2	20.7	358	116	4.16	2.37	59.7	38.8	76.7	46.3	290	65.9	0.344	61.6	
120	60	8	12	8	20.1	25.6	425	135	4.08	2.3	70.8	45	92.7	55.4	344	76.6	0.339	49.9	
120	60	10	12	8	24.6	31.3	503	155	4.01	2.23	83.8	51.7	112	65.6	397	86.8	0.339	40.7	
120	80	3.6	5.4	3.6	10.8	13.7	276	147	4.48	3.27	46	36.7	55.6	42	301	59.5	0.391	92.7	
120	80	4	6	4	11.9	15.2	303	161	4.46	3.25	50.4	40.2	61.2	46.1	330	65	0.39	83.9	
120	80	5	7.5	5	14.7	18.7	365	193	4.42	3.21	60.9	48.2	74.6	56.1	401	77.9	0.387	68	
120	80	6	9	6	17.4	22.2	423	222	4.37	3.17	70.6	55.6	87.3	65.5	468	89.6	0.385	57.5	
120	80	6.3	9.45	6.3	18.2	23.2	440	230	4.36	3.15	73.3	57.6	91	68.2	487	92.9	0.384	54.9	
120	80	8	12	8	22.6	28.8	525	273	4.27	3.08	87.5	68.1	111	82.6	587	110	0.379	44.3	
120	80	10	15	10	27.4	34.9	609	313	4.18	2.99	102	78.1	131	97.3	688	126	0.374	36.5	
140	80	4	6	4	13.2	16.8	441	184	5.12	3.31	62.9	46	77.1	52.2	411	76.5	0.43	75.9	
140	80	5	7.5	5	16.3	20.7	534	221	5.08	3.27	76.3	55.3	94.3	63.6	499	91.9	0.427	61.4	



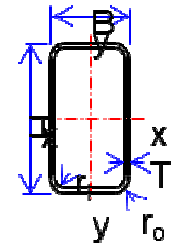
Hot finished Rectangular Hollow Sections to EN 10210-2

Designation		Thickness	Normal Corner		Mass Per metre	Area of Section	Second Moment of Area		Radius of Gyration		Elastic Modulus		Plastic Modulus			Torsional Constants		Section Surface Area	Nominal Length
H	B		External	Internal			of Area	Axis x-x	Axis y-y	Axis x-x	Axis y-y	Modulus	Axis y-y	Modulus	Axis x-x	Axis y-y	Inertia		
mm	mm	mm	r <sub>o</sub>	r <sub>i</sub>	M	A	I <sub>x</sub>	I <sub>y</sub>	r <sub>x</sub>	r <sub>y</sub>	Z <sub>x</sub>	Z <sub>y</sub>	S <sub>x</sub>	S <sub>y</sub>	J	C	A <sub>s</sub>	Tonne	
			mm	mm	kg/m	cm <sup>2</sup>	cm <sup>4</sup>	cm <sup>4</sup>	cm	cm	cm <sup>3</sup>	cm <sup>3</sup>	cm <sup>3</sup>	cm <sup>3</sup>	cm <sup>4</sup>	cm <sup>3</sup>	m <sup>2</sup> /m	m	
140	80	6	9	6	19.3	24.6	621	255	5.03	3.22	88.7	63.8	111	74.4	583	106	0.425	51.8	
140	80	6.3	9.45	6.3	20.2	25.7	646	265	5.01	3.21	92.3	66.2	115	77.5	607	110	0.424	49.6	
140	80	8	12	8	25.1	32	776	314	4.93	3.14	111	78.5	141	94.1	733	130	0.419	39.9	
140	80	10	15	10	30.6	38.9	908	362	4.83	3.05	130	90.5	168	111	862	150	0.414	32.7	
150	100	4	6	4	15.1	19.2	607	324	5.63	4.11	81	64.8	97.4	73.6	660	105	0.49	66.4	
150	100	5	7.5	5	18.6	23.7	739	392	5.58	4.07	98.5	78.5	119	90.1	807	127	0.487	53.7	
150	100	6	9	6	22.1	28.2	862	456	5.53	4.02	115	91.2	141	106	946	147	0.485	45.2	
150	100	6.3	9.45	6.3	23.1	29.5	898	474	5.52	4.01	120	94.8	147	110	986	153	0.484	43.2	
150	100	8	12	8	28.9	36.8	1087	569	5.44	3.94	145	114	180	135	1203	183	0.479	34.7	
150	100	10	15	10	35.3	44.9	1282	665	5.34	3.85	171	133	216	161	1432	214	0.474	28.4	
150	100	12	18	12	41.4	52.7	1450	745	5.25	3.76	193	149	249	185	1633	240	0.469	24.2	
150	100	12.5	18.75	12.5	42.8	54.6	1488	763	5.22	3.74	198	153	256	190	1679	246	0.468	23.3	
160	80	4	6	4	14.4	18.4	612	207	5.77	3.35	76.5	51.7	94.7	58.3	493	88.1	0.47	69.3	
160	80	5	7.5	5	17.8	22.7	744	249	5.72	3.31	93	62.3	116	71.1	600	106	0.467	56	
160	80	6	9	6	21.2	27	868	288	5.67	3.27	108	72	136	83.3	701	122	0.465	47.2	
160	80	6.3	9.45	6.3	22.2	28.2	903	299	5.66	3.26	113	74.8	142	86.8	730	127	0.464	45.1	
160	80	8	12	8	27.6	35.2	1091	356	5.57	3.18	136	89	175	106	883	151	0.459	36.2	
160	80	10	15	10	33.7	42.9	1284	411	5.47	3.1	161	103	209	125	1041	175	0.454	29.7	
160	80	12	18	12	39.5	50.3	1449	455	5.37	3.01	181	114	240	142	1175	194	0.449	25.3	
160	80	12.5	18.75	12.5	40.9	52.1	1485	465	5.34	2.99	186	116	247	146	1204	198	0.448	24.5	
180	100	4	6	4	16.9	21.6	945	379	6.61	4.19	105	75.9	128	85.2	852	127	0.55	59	
180	100	5	7.5	5	21	26.7	1153	460	6.57	4.15	128	92	157	104	1042	154	0.547	47.7	
180	100	6	9	6	24.9	31.8	1350	536	6.52	4.11	150	107	186	123	1224	179	0.545	40.1	
180	100	6.3	9.45	6.3	26.1	33.3	1407	557	6.5	4.09	156	111	194	128	1277	186	0.544	38.3	
180	100	8	12	8	32.6	41.6	1713	671	6.42	4.02	190	134	239	157	1560	224	0.539	30.7	
180	100	10	15	10	40	50.9	2036	787	6.32	3.93	226	157	288	188	1862	263	0.534	25	
180	100	12	18	12	47	59.9	2320	886	6.22	3.85	258	177	333	216	2130	296	0.529	21.3	
180	100	12.5	18.75	12.5	48.7	62.1	2385	908	6.2	3.82	265	182	344	223	2191	303	0.528	20.5	
200	100	4	7.5	5	18.1	23.1	1213	414	7.25	4.23	121	82.8	149	92.4	986	142	0.587	55.2	
200	100	5	7.5	5	22.6	28.7	1495	505	7.21	4.19	149	101	185	114	1204	172	0.587	44.3	
200	100	6	9	6	26.8	34.2	1754	589	7.16	4.15	175	118	218	134	1414	200	0.585	37.3	
200	100	6.3	9.45	6.3	28.1	35.8	1829	613	7.15	4.14	183	123	228	140	1475	208	0.584	35.6	
200	100	8	12	8	35.1	44.8	2234	739	7.06	4.06	223	148	282	172	1804	251	0.579	28.5	
200	100	10	15	10	43.1	54.9	2664	869	6.96	3.98	266	174	341	206	2156	295	0.574	23.2	
200	100	12	18	12	50.8	64.7	3047	979	6.86	3.89	305	196	395	237	2469	333	0.569	19.7	
200	100	12.5	18.75	12.5	52.7	67.1	3136	1004	6.84	3.87	314	201	408	245	2541	341	0.568	19	



Hot finished Rectangular Hollow Sections to EN 10210-2

Designation		Thickness	Normal Corner		Mass Per metre	Area of Section	Second Moment of Area		Radius of Gyration		Elastic Modulus		Plastic Modulus			Torsional Constants		Section Surface Area	Nominal Length
H	B		External	Internal			of Area	Axis x-x	Axis y-y	Axis x-x	Axis y-y	Modulus	Modulus	Modulus	Inertia	Modulus			
mm	mm	T	r <sub>o</sub>	r <sub>i</sub>	M	A	I <sub>x</sub>	I <sub>y</sub>	r <sub>x</sub>	r <sub>y</sub>	Z <sub>x</sub>	Z <sub>y</sub>	S <sub>x</sub>	S <sub>y</sub>	J	C	A <sub>s</sub>	Tonne	
		mm	mm	mm	kg/m	cm <sup>2</sup>	cm <sup>4</sup>	cm <sup>4</sup>	cm	cm	cm <sup>3</sup>	cm <sup>3</sup>	cm <sup>3</sup>	cm <sup>3</sup>	cm <sup>4</sup>	cm <sup>3</sup>	m <sup>2</sup> /m	m	
200	100	16	24	16	65.2	83	3678	1147	6.66	3.72	368	229	491	290	2982	391	0.559	15.3	
200	120	6	9.45	6.3	28.7	36.5	1976	890	7.35	4.94	198	148	241	169	1943	245	0.624	34.9	
200	120	6.3	12	8	29.9	38	2039	919	7.32	4.92	204	153	250	175	2034	255	0.619	33.5	
200	120	8	15	10	37.3	47.6	2490	1114	7.23	4.84	249	186	309	216	2501	309	0.614	26.8	
200	120	10	18	12	45.9	58.5	2978	1320	7.14	4.75	298	220	374	260	3006	366	0.609	21.8	
200	120	12	18.75	12.5	54.5	69.4	3459	1515	7.06	4.67	346	253	439	304	3462	417	0.608	18.4	
200	120	12.5	24	16	55.7	71	3468	1524	6.99	4.63	347	254	444	308	3568	426	0.599	17.9	
250	150	5	7.5	5	30.4	37	3360	1527	9.31	6.28	269	204	324	228	3278	337	0.787	32.9	
250	150	6	9	6	36.2	46.2	3965	1796	9.27	6.24	317	239	385	270	3877	396	0.785	27.6	
250	150	6.3	9.45	6.3	38	48.4	4143	1874	9.25	6.22	331	250	402	283	4054	413	0.784	26.3	
250	150	8	12	8	47.7	60.8	5111	2298	9.17	6.15	409	306	501	350	5021	506	0.779	21	
250	150	10	15	10	58.8	74.9	6174	2755	9.08	6.06	494	367	611	426	6090	605	0.774	17	
250	150	12	18	12	69.6	88.7	7154	3168	8.98	5.98	572	422	715	497	7088	695	0.769	14.4	
250	150	12.5	18.75	12.5	72.3	92.1	7387	3265	8.96	5.96	591	435	740	514	7326	717	0.768	13.8	
250	150	16	24	16	90.3	115	8879	3873	8.79	5.8	710	516	906	625	8868	849	0.759	11.1	
260	180	6	9	6	40	51	4942	2804	9.85	7.42	380	312	454	353	5554	502	0.865	25	
260	180	6.3	9.45	6.3	41.9	53.4	5166	2929	9.83	7.4	397	325	475	369	5810	524	0.864	23.8	
260	180	8	12	8	52.7	67.2	6390	3608	9.75	7.33	492	401	592	459	7221	644	0.859	19	
260	180	10	15	10	65.1	82.9	7741	4351	9.66	7.24	595	483	724	560	8798	775	0.854	15.4	
260	180	12	18	12	77.2	98.3	8999	5034	9.57	7.16	692	559	849	656	10285	895	0.849	13	
260	180	12.5	18.75	12.5	80.1	102	9299	5196	9.54	7.13	715	577	879	679	10643	924	0.848	12.5	
260	180	16	24	16	100	128	11245	6231	9.38	6.98	865	692	1081	831	12993	1106	0.839	9.97	
300	200	5	7.5	5	38.3	48.7	6322	3396	11.4	8.35	421	340	501	380	6824	552	0.987	26.1	
300	200	6	9	6	45.7	58.2	7486	4013	11.3	8.31	499	401	596	451	8100	651	0.985	21.9	
300	200	6.3	9.45	6.3	47.9	61	7829	4193	11.3	8.29	522	419	624	472	8476	681	0.984	20.9	
300	200	8	12	8	60.3	76.8	9717	5184	11.3	8.22	648	518	779	589	10562	840	0.979	16.6	
300	200	10	15	10	74.5	94.9	11819	6278	11.2	8.13	788	628	956	721	12908	1015	0.974	13.4	
300	200	12	18	12	88.5	113	13797	7294	11.1	8.05	920	729	1124	847	15137	1178	0.969	11.3	
300	200	12.5	18.75	12.5	91.9	117	14273	7537	11	8.02	952	754	1165	877	15677	1217	0.968	10.9	
300	200	16	24	16	115	147	17390	9109	10.9	7.87	1159	911	1441	1080	19252	1468	0.959	8.67	
350	250	6	9	6	55.1	70.2	12616	7538	13.4	10.4	721	603	852	677	14529	967	1.18	18.2	
350	250	6.3	9.45	6.3	57.8	73.6	13203	7885	13.4	10.4	754	631	892	709	15215	1011	1.18	17.3	
350	250	8	12	8	72.8	92.8	16449	9798	13.3	10.3	940	784	1118	888	19027	1254	1.18	13.7	
350	250	10	15	10	90.2	115	20102	11937	13.2	10.2	1149	955	1375	1091	23354	1525	1.17	11.1	
350	250	12	18	12	107	137	23577	13957	13.1	10.1	1347	1117	1624	1286	27513	1781	1.17	9.32	
350	250	12.5	18.75	12.5	112	142	24419	14444	13.1	10.1	1395	1156	1685	1334	28526	1842	1.17	8.97	



Hot finished Rectangular Hollow Sections to EN 10210-2

Designation		Thickness	Normal Corner		Mass Per metre	Area of Section	Second Moment of Area		Radius of Gyration		Elastic Modulus		Plastic Modulus			Torsional Constants		Section Surface Area	Nominal Length
H	B		External	Internal			Axis x-x	Axis y-y	Axis x-x	Axis y-y	Axis x-x	Axis y-y	Axis x-x	Axis y-y	Inertia	Modulus	Modulus		
mm	mm	mm	mm	mm	kg/m	cm <sup>2</sup>	cm <sup>4</sup>	cm <sup>4</sup>	cm	cm	cm <sup>3</sup>	cm <sup>3</sup>	cm <sup>3</sup>	cm <sup>3</sup>	cm <sup>4</sup>	cm <sup>3</sup>	m <sup>2</sup> /m	Tonne	
350	250	16	24	16	141	179	30011	17654	12.9	9.93	1715	1412	2095	1655	35325	2246	1.16	7.12	
400	200	6	9	6	55.1	70.2	14998	5142	14.6	8.56	750	514	917	568	12049	877	1.18	18.2	
400	200	6.3	9.45	6.3	57.8	73.6	15696	5376	14.6	8.55	785	538	960	594	12612	917	1.18	17.3	
400	200	8	12	8	72.8	92.8	19562	6660	14.5	8.47	978	666	1203	743	15735	1135	1.18	13.7	
400	200	10	15	10	90.2	115	23914	8084	14.4	8.39	1196	808	1480	911	19259	1376	1.17	11.1	
400	200	12	18	12	107	137	28059	9418	14.3	8.3	1403	942	1748	1072	22622	1602	1.17	9.32	
400	200	12.5	18.75	12.5	112	142	29063	9738	14.3	8.28	1453	974	1813	1111	23438	1656	1.17	8.97	
400	200	16	24	16	141	179	35738	11824	14.1	8.13	1787	1182	2256	1374	28871	2010	1.16	7.12	
450	250	8	12	8	85.4	109	30082	12142	16.6	10.6	1337	971	1622	1081	27083	1629	1.38	11.7	
450	250	10	15	10	106	135	36895	14819	16.5	10.5	1640	1185	2000	1331	33284	1986	1.37	9.44	
450	250	12	18	12	126	161	43434	17359	16.4	10.4	1930	1389	2367	1572	39260	2324	1.37	7.93	
450	250	12.5	18.75	12.5	131	167	45026	17973	16.4	10.4	2001	1438	2458	1631	40719	2406	1.37	7.62	
450	250	16	24	16	166	211	55705	22041	16.2	10.2	2476	1763	3070	2029	50545	2947	1.36	6.04	
500	300	8	12	8	97.9	125	43728	19951	18.7	12.6	1749	1330	2100	1480	42563	2203	1.58	10.2	
500	300	10	15	10	122	155	53762	24439	18.6	12.6	2150	1629	2595	1826	52450	2696	1.57	8.22	
500	300	12	18	12	145	185	63446	28736	18.5	12.5	2538	1916	3077	2161	62039	3167	1.57	6.9	
500	300	12.5	18.75	12.5	151	192	65813	29780	18.5	12.5	2633	1985	3196	2244	64389	3281	1.57	6.63	
500	300	16	24	16	191	243	81783	36768	18.3	12.3	3271	2451	4005	2804	80329	4044	1.56	5.24	
500	300	20	30	20	235	300	98777	44078	18.2	12.1	3951	2939	4885	3408	97447	4842	1.55	4.25	