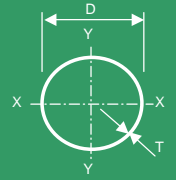


Celsius 355

EN 10210:2006 S355J2H Circular Sections



Celsius EN10210: 2006: S355J2H Hot Finished CHS Properties

Outside diameter	Thickness	Mass	Sectional area	Moment of inertia	Radius of gyration	Elastic modulus	Plastic modulus	Torsional constants		Superficial area /m	Approx. length /tonne	
D	T	M	A	I	i	W _{el}	W _{pl}	I _t	C _t	A _s	m/t	
mm	mm	kg/m	cm ²	cm ⁴	cm	cm ³	cm ³	cm ⁴	cm ³	m ² /m	m/t	
139.7	5.0	16.6	16.6	21.2	481	4.77	68.8	90.8	961	138	0.439	60.2
	6.3	20.7	20.7	26.4	589	4.72	84.3	112	1177	169	0.439	48.2
	8.0	26.0	26.0	33.1	720	4.66	103	139	1441	206	0.439	38.5
	10.0	32.0	32.0	40.7	862	4.60	123	169	1724	247	0.439	31.3
168.3	5.0	20.1	20.1	25.7	856	5.78	102	133	1712	203	0.529	49.7
	6.3	25.2	25.2	32.1	1053	5.73	125	165	2107	250	0.529	39.7
	8.0	31.6	31.6	40.3	1297	5.67	154	206	2595	308	0.529	31.6
	10.0	39.0	39.0	49.7	1564	5.61	186	251	3128	372	0.529	25.6
	12.5	48.0	48.0	61.2	1868	5.53	222	304	3737	444	0.529	20.8
193.7	5.0	23.3	23.3	29.6	1320	6.67	136	178	2640	273	0.609	43.0
	6.3	29.1	29.1	37.1	1630	6.63	168	221	3260	337	0.609	34.3
	8.0	36.6	36.6	46.7	2016	6.57	208	276	4031	416	0.609	27.3
	10.0	45.3	45.3	57.7	2442	6.50	252	338	4883	504	0.609	22.1
	12.5	55.9	55.9	71.2	2934	6.42	303	411	5869	606	0.609	17.9
219.1	5.0	26.4	26.4	33.6	1928	7.57	176	229	3856	352	0.688	37.9
	6.3	33.1	33.1	42.1	2386	7.53	218	285	4772	436	0.688	30.2
	8.0	41.6	41.6	53.1	2960	7.47	270	357	5919	540	0.688	24.0
	10.0	51.6	51.6	65.7	3598	7.40	328	438	7197	657	0.688	19.4
	12.5	63.7	63.7	81.1	4345	7.32	397	534	8689	793	0.688	15.7
	16.0	80.1	80.1	102	5297	7.20	483	661	10593	967	0.688	12.5
244.5	5.0	29.5	29.5	37.6	2699	8.47	221	287	5397	441	0.768	33.9
	6.3	37.0	37.0	47.1	3346	8.42	274	358	6692	547	0.768	27.0
	8.0	46.7	46.7	59.4	4160	8.37	340	448	8321	681	0.768	21.4
	10.0	57.8	57.8	73.7	5073	8.30	415	550	10146	830	0.768	17.3
	12.5	71.5	71.5	91.1	6147	8.21	503	673	12295	1006	0.768	14.0
	16.0	90.2	90.2	115	7533	8.10	616	837	15066	1232	0.768	11.1
273.0	5.0	33.0	33.0	42.1	3781	9.48	277	359	7562	554	0.858	30.3
	6.3	41.4	41.4	52.8	4696	9.43	344	448	9392	688	0.858	24.1
	8.0	52.3	52.3	66.6	5852	9.37	429	562	11703	857	0.858	19.1
	10.0	64.9	64.9	82.6	7154	9.31	524	692	14308	1048	0.858	15.4
	12.5	80.3	80.3	102	8697	9.22	637	849	17395	1274	0.858	12.5
	16.0	101	101	129	10707	9.10	784	1058	21414	1569	0.858	9.86
323.9	5.0	39.3	39.3	50.1	6369	11.3	393	509	12739	787	1.02	25.4
	6.3	49.3	49.3	62.9	7929	11.2	490	636	15858	979	1.02	20.3
	8.0	62.3	62.3	79.4	9910	11.2	612	799	19820	1224	1.02	16.0
	10.0	77.4	77.4	98.6	12158	11.1	751	986	24317	1501	1.02	12.9
	12.5	96.0	96.0	122	14847	11.0	917	1213	29693	1833	1.02	10.4
	16.0	121	121	155	18390	10.9	1136	1518	36780	2271	1.02	8.23
355.6	6.3	54.3	54.3	69.1	10547	12.4	593	769	21094	1186	1.12	18.4
	8.0	68.6	68.6	87.4	13201	12.3	742	967	26403	1485	1.12	14.6
	10.0	85.2	85.2	109	16223	12.2	912	1195	32447	1825	1.12	11.7
	12.5	106	106	135	19852	12.1	1117	1472	39704	2233	1.12	9.45
	16.0	134	134	171	24663	12.0	1387	1847	49326	2774	1.12	7.46
406.4	6.3	62.2	62.2	79.2	15849	14.1	780	1009	31699	1560	1.28	16.1
	8.0	78.6	78.6	100	19874	14.1	978	1270	39748	1956	1.28	12.7
	10.0	97.8	97.8	125	24476	14.0	1205	1572	48952	2409	1.28	10.2
	12.5	121	121	155	30031	13.9	1478	1940	60061	2956	1.28	8.24
	16.0	154	154	196	37449	13.8	1843	2440	74898	3686	1.28	6.49
457.0	6.3	70.0	70.0	89.2	22654	15.9	991	1280	45308	1983	1.44	14.3
	8.0	88.6	88.6	113	28446	15.9	1245	1613	56893	2490	1.44	11.3
	10.0	110	110	140	35091	15.8	1536	1998	70183	3071	1.44	9.07
	12.5	137	137	175	43145	15.7	1888	2470	86290	3776	1.44	7.30
	16.0	174	174	222	53959	15.6	2361	3113	107919	4723	1.44	5.75
508.0	6.3	77.9	77.9	99.3	31246	17.7	1230	1586	62493	2460	1.60	12.8
	8.0	98.6	98.6	126	39280	17.7	1546	2000	78560	3093	1.60	10.1
	10.0	123	123	156	48520	17.6	1910	2480	97040	3820	1.60	8.14
	12.5	153	153	195	59755	17.5	2353	3070	119511	4705	1.60	6.55

16.0

194

247

74909

17.4

2949

3874

149818

5898

1.60

5.15



Non-regular production sizes

Special production sizes

CT06:2000:UK:04/08