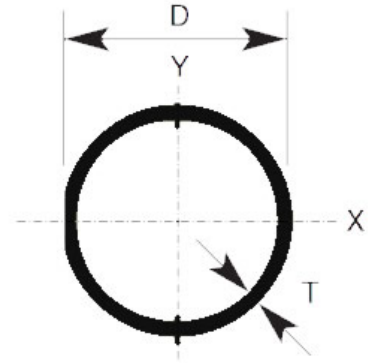


RAINHAM STEEL

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Hot Finished Circles

BS EN 10210: 2006



Outside Diameter	Thickness	Mass	Area	Moment of Inertia	Radius of Gyration	Elastic Modulus	Plastic Modulus	Torsional Constants		Superficial Area	Approx Length Per Tonne
								It	Ct		
D mm	T mm	M Kg/m	A cm ²	I cm ⁴	i cm	Wel cm ³	Wpl cm ³	It cm ⁴	Ct cm ³	Per metre m ²	Per Tonne m ²
114.3	3.6	9.83	12.5	192	3.92	33.6	44.1	384	67.2	0.359	102
	5	13.5	17.2	257	3.87	45.0	59.8	514	89.9	0.359	74.2
	6.3	16.8	21.4	313	3.82	54.7	73.6	625	109	0.359	59.6
139.7	5	16.6	21.2	481	4.77	68.8	90.8	961	138	0.439	60.2
	6.3	20.7	26.4	589	4.72	84.3	112	1177	169	0.439	48.2
	8	26.0	33.1	720	4.66	103	139	1441	206	0.439	38.5
168.3	10	32	40.7	862	4.6	123	169	1724	247	0.439	31.3
	5	20.1	25.7	856	5.78	102	133	1712	203	0.529	49.7
	6.3	25.2	32.1	1053	5.73	125	165	2107	250	0.529	39.7
193.7	8	31.6	40.3	1297	5.67	154	206	2595	308	0.529	31.6
	10	39.0	49.7	1564	5.61	186	251	3128	372	0.529	25.6
	12.5	48.0	61.2	1868	5.53	222	304	3737	444	0.529	20.8
219.1	5	23.3	29.6	1320	6.67	136	178	2640	273	0.609	43.0
	6.3	29.1	37.1	1630	6.63	168	221	3260	337	0.609	34.3
	8	36.6	46.7	2016	6.57	208	276	4031	416	0.609	27.3
	10	45.3	57.7	2442	6.50	252	338	4883	504	0.609	22.1
	12.5	55.9	71.2	2934	6.42	303	411	5869	606	0.609	17.9
244.5	5.0	26.4	33.6	1928	7.57	176	229	3856	352	0.688	37.9
	6.3	33.1	42.1	2386	7.53	218	285	4772	436	0.688	30.2
	8	41.6	53.1	2960	7.47	270	357	5919	540	0.688	24.0
	10.0	51.6	65.7	3598	7.40	328	438	7197	657	0.688	19.4
	12.5	63.7	81.1	4345	7.32	397	534	8689	793	0.688	15.7
	16.0	80.1	102	5297	7.2	483	661	10593	967	0.688	12.5
273	6.3	37.0	47.1	3346	8.42	274	358	6692	547	0.768	27.0
	8	46.7	59.4	4160	8.37	340	448	8321	681	0.768	21.4
	10.0	57.8	73.7	5073	8.3	415	550	10146	830	0.768	17.3
	12.5	71.5	91.1	6147	8.21	503	673	12295	1006	0.768	14.0
	16.0	90.2	115	7533	8.10	616	837	15066	1232	0.768	11.1
273	6.3	41.4	52.8	4696	9.43	344	448	9392	688	0.858	24.1
	8	52.3	66.6	5852	9.37	429	562	11703	857	0.858	19.1
	10	64.9	82.6	7154	9.31	524	692	14308	1048	0.858	15.4
	12.5	80.3	102	8697	9.22	637	849	17395	1274	0.858	12.5
	16	101	129	10707	9.10	784	1058	21414	1569	0.858	9.86

Outside Diameter	Thickness	Mass	Area	Moment of Inertia	Radius of Gyration	Elastic Modulus	Plastic Modulus	Torsional Constants		Superficial Area	Approx Length Per Tonne
						Wel cm ³	Wpl cm ³	It cm ⁴	Ct cm ³		
D mm	T mm	M Kg/m	A cm ²	I cm ⁴	i cm					Per metre m ²	Per Tonne m ²
323.9	6.3	49.3	62.9	7929	11.2	490	636	15858	979	1.02	20.3
	8	62.3	79.4	9910	11.2	612	799	19820	1224	1.02	16.0
	10	77.4	98.6	12158	11.1	751	986	24317	1501	1.02	12.9
	12.5	96.0	122	14847	11.0	917	1213	29693	1833	1.02	10.4
	16.0	121	155	18390	10.9	1136	1518	36780	2271	1.02	8.23