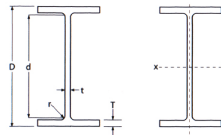


# Universal Beams

Dimensions and properties to BS 4: Part 1: 1993

127 x 76 x 13 - 457 x 191 x 161

\*These sections are in addition to the range of BS EN 10365 sections

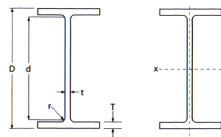


Section Designation	Dimensions													Properties													
	Mass per metre kg/m	Depth of section h mm	Width of section b mm	Thickness		Root radius r mm	Depth between fillets d mm	Ratios for local buckling		Dimensions for detailing			Surface area		Second moment of area		Radius of gyration		Elastic modulus		Plastic modulus		Buckling parameter U	Torsional index X	Warping constant I <sub>w</sub> cm <sup>4</sup>	Torsional constant I <sub>t</sub> cm <sup>4</sup>	Area of section A cm <sup>2</sup>
				Web t <sub>w</sub> mm	Flange t <sub>f</sub> mm			Web c <sub>w</sub> /t <sub>w</sub>	Flange c <sub>f</sub> /t <sub>f</sub>	End clearance C mm	Notch		Per metre m <sup>2</sup>	Per tonne m <sup>2</sup>	Axis y-y cm <sup>4</sup>	Axis z-z cm <sup>4</sup>	Axis y-y cm	Axis z-z cm	Axis y-y cm <sup>3</sup>	Axis z-z cm <sup>3</sup>	Axis y-y cm <sup>3</sup>	Axis z-z cm <sup>3</sup>					
											N mm	n mm															
<b>127 x 76</b> x13	13.0	127.0	76.0	4.0	7.6	7.6	96.6	24.2	3.74	4	46	16	0.537	41.3	473	55.7	5.35	1.84	74.6	14.7	84.2	22.6	0.894	16.3	0.00200	2.85	16.5
<b>152 x 89</b> x16	16.0	152.4	88.7	4.5	7.7	7.6	121.8	27.1	4.48	4	54	16	0.638	39.9	834	89.8	6.41	2.10	109	20.2	123	31.2	0.889	19.5	0.00470	3.56	20.3
<b>178 x 102</b> x19	19.0	177.8	101.2	4.8	7.9	7.6	146.8	30.6	5.14	4	60	16	0.738	38.8	1360	137	7.48	2.37	153	27	171	41.6	0.886	22.6	0.00990	4.41	24.3
<b>203 x 102</b> x23	23.1	203.2	101.8	5.4	9.3	7.6	169.4	31.4	4.37	5	60	18	0.790	34.2	2100	164	8.46	2.36	207	32.2	234	49.7	0.888	22.4	0.0154	7.02	29.4
<b>203 x 133</b> x25	25.1	203.2	133.2	5.7	7.8	7.6	172.4	30.2	7.20	5	74	16	0.915	36.5	2340	308	8.56	3.10	230	46.2	258	70.9	0.877	25.6	0.0294	5.96	32.0
<b>203 x 133</b> x30	30.0	206.8	133.9	6.4	9.6	7.6	172.4	26.9	5.85	5	74	18	0.923	30.8	2900	385	8.71	3.17	280	57.5	314	88.2	0.881	21.5	0.0374	10.3	38.2
<b>254 x 102</b> x22	22.0	254.0	101.6	5.7	6.8	7.6	225.2	39.5	5.93	5	58	16	0.890	40.5	2840	119	10.1	2.06	224	23.5	259	37.3	0.856	36.3	0.0182	4.15	28.0
<b>254 x 102</b> x25	25.2	257.2	101.9	6.0	8.4	7.6	225.2	37.5	4.80	5	58	16	0.897	35.6	3410	149	10.3	2.15	266	29.2	306	46	0.868	31.4	0.0230	6.42	32.0
<b>254 x 102</b> x28	28.3	260.4	102.2	6.3	10.0	7.6	225.2	35.7	4.04	5	58	18	0.904	31.9	4000	179	10.5	2.22	308	34.9	353	54.8	0.874	27.5	0.0280	9.57	36.1
<b>254 x 146</b> x31	31.1	251.4	146.1	6.0	8.6	7.6	219.0	36.5	7.26	5	82	18	1.06	34.1	4410	448	10.5	3.36	351	61.3	393	94.1	0.879	29.6	0.0660	8.55	39.7
<b>254 x 146</b> x37	37.0	256.0	146.4	6.3	10.9	7.6	219.0	34.8	5.73	5	82	20	1.07	28.9	5540	571	10.8	3.48	433	78	483	119	0.889	24.3	0.0857	15.3	47.2
<b>254 x 146</b> x43	43.0	259.6	147.3	7.2	12.7	7.6	219.0	30.4	4.92	6	82	22	1.08	25.1	6540	677	10.9	3.52	504	92	566	141	0.890	21.1	0.103	23.9	54.8
<b>305 x 102</b> x25	24.8	305.1	101.6	5.8	7.0	7.6	275.9	47.6	5.76	5	58	16	0.992	40.0	4460	123	11.9	1.97	292	24.2	342	38.8	0.849	43.1	0.0270	4.77	31.6
<b>305 x 102</b> x28	28.2	308.7	101.8	6.0	8.8	7.6	275.9	46.0	4.58	5	58	18	1.00	35.5	5370	155	12.2	2.08	348	30.5	403	48.4	0.859	37.4	0.0349	7.40	35.9
<b>305 x 102</b> x33	32.8	312.7	102.4	6.6	10.8	7.6	275.9	41.8	3.73	5	58	20	1.01	30.8	6500	194	12.5	2.15	416	37.9	481	60	0.867	31.6	0.0442	12.2	41.8
<b>305 x 127</b> x37	37.0	304.4	123.4	7.1	10.7	8.9	265.2	37.4	4.60	6	70	20	1.07	28.9	7170	336	12.3	2.67	471	54.5	539	85.4	0.871	29.7	0.0725	14.8	47.2
<b>305 x 127</b> x42	41.9	307.2	124.3	8.0	12.1	8.9	265.2	33.2	4.07	6	70	22	1.08	25.8	8200	389	12.4	2.70	534	62.6	614	98.4	0.872	26.5	0.0846	21.1	53.4
<b>305 x 127</b> x48	48.1	311.0	125.3	9.0	14.0	8.9	265.2	29.5	3.52	7	70	24	1.09	22.7	9570	461	12.5	2.74	616	73.6	711	116	0.873	23.3	0.102	31.8	61.2

<b>305 x 165</b>	<b>x 40</b>	40.3	303.4	165.0	6.0	10.2	8.9	265.2	44.2	6.92	5	90	20	1.24	30.8	8500	764	12.9	3.86	560	92.6	623	142	0.889	31.0	0.164	14.7	51.3
	<b>x 46</b>	46.1	306.6	165.7	6.7	11.8	8.9	265.2	39.6	5.98	5	90	22	1.25	27.1	9900	896	13.0	3.90	646	108	720	166	0.890	27.1	0.195	22.2	58.7
	<b>x 54</b>	54.0	310.4	166.9	7.9	13.7	8.9	265.2	33.6	5.15	6	90	24	1.26	23.3	11700	1060	13.0	3.93	754	127	846	196	0.888	23.6	0.234	34.8	68.8
<b>356 x 127</b>	<b>x 33</b>	33.1	349.0	125.4	6.0	8.5	10.2	311.6	51.9	5.82	5	70	20	1.17	35.3	8250	280	14.0	2.58	473	44.7	543	70.2	0.863	42.1	0.0810	8.79	42.1
	<b>x 39</b>	39.1	353.4	126.0	6.6	10.7	10.2	311.6	47.2	4.63	5	70	22	1.18	30.2	10200	358	14.3	2.68	576	56.8	659	89	0.871	35.2	0.105	15.1	49.8
<b>356 x 171</b>	<b>x 45</b>	45.0	351.4	171.1	7.0	9.7	10.2	311.6	44.5	7.41	6	94	20	1.36	30.2	12100	811	14.5	3.76	687	94.8	775	147	0.874	36.8	0.237	15.8	57.3
	<b>x 51</b>	51.0	355.0	171.5	7.4	11.5	10.2	311.6	42.1	6.25	6	94	22	1.36	26.7	14100	968	14.8	3.86	796	113	896	174	0.880	32.1	0.286	23.8	64.9
	<b>x 57</b>	57.0	358.0	172.2	8.1	13.0	10.2	311.6	38.5	5.53	6	94	24	1.37	24.0	16000	1110	14.9	3.91	896	129	1010	199	0.882	28.8	0.330	33.4	72.6
	<b>x 67</b>	67.1	363.4	173.2	9.1	15.7	10.2	311.6	34.2	4.58	7	94	26	1.38	20.6	19500	1360	15.1	3.99	1070	157	1210	243	0.886	24.4	0.412	55.7	85.5
<b>406 x 140</b>	<b>x 39</b>	39.0	398.0	141.8	6.4	8.6	10.2	360.4	56.3	6.69	5	78	20	1.33	34.1	12500	410	15.9	2.87	629	57.8	724	90.8	0.858	47.4	0.155	10.7	49.7
	<b>x 46</b>	46.0	403.2	142.2	6.8	11.2	10.2	360.4	53.0	5.13	5	78	22	1.34	29.1	15700	538	16.4	3.03	778	75.7	888	118	0.871	39.0	0.207	19.0	58.6
	<b>x 53</b>	53.3	406.6	143.3	7.9	12.9	10.2	360.4	45.6	4.46	6	78	24	1.35	25.3	18300	635	16.4	3.06	899	88.6	1030	139	0.870	34.1	0.246	29.0	67.9
<b>406 x 178</b>	<b>x 54</b>	54.1	402.6	177.7	7.7	10.9	10.2	360.4	46.8	6.86	6	96	22	1.48	27.4	18700	1020	16.5	3.85	930	115	1050	178	0.869	38.3	0.392	23.1	69.0
	<b>x 60</b>	60.1	406.4	177.9	7.9	12.8	10.2	360.4	45.6	5.84	6	96	24	1.49	24.8	21600	1200	16.8	3.97	1060	135	1200	209	0.880	33.8	0.466	33.3	76.5
	<b>x 67</b>	67.1	409.4	178.8	8.8	14.3	10.2	360.4	41.0	5.23	6	96	26	1.50	22.4	24300	1360	16.9	3.99	1190	153	1350	237	0.880	30.5	0.533	46.1	85.5
	<b>x 74</b>	74.2	412.8	179.5	9.5	16.0	10.2	360.4	37.9	4.68	7	96	28	1.51	20.4	27300	1550	17.0	4.04	1320	172	1500	267	0.882	27.5	0.608	62.8	94.5
	<b>x 85</b>	85.3	417.2	181.9	10.9	18.2	10.2	360.4	33.1	4.14	7	96	30	1.52	17.8	31700	1830	17.1	4.11	1520	201	1730	313	0.879	24.4	0.728	93.0	109
<b>457 x 152</b>	<b>x 52</b>	52.3	449.8	152.4	7.6	10.9	10.2	407.6	53.6	5.71	6	84	22	1.48	28.3	21400	645	17.9	3.11	950	84.6	1100	133	0.861	43.8	0.311	21.4	66.6
	<b>x 60</b>	59.8	454.6	152.9	8.1	13.3	10.2	407.6	50.3	4.68	6	84	24	1.49	24.9	25500	795	18.3	3.23	1120	104	1290	163	0.869	37.5	0.387	33.8	76.2
	<b>x 67</b>	67.2	458.0	153.8	9.0	15.0	10.2	407.6	45.3	4.15	7	84	26	1.50	22.3	28900	913	18.4	3.27	1260	119	1450	187	0.867	33.6	0.448	47.7	85.6
	<b>x 74</b>	74.2	462.0	154.4	9.6	17.0	10.2	407.6	42.5	3.66	7	84	28	1.50	20.2	32700	1050	18.6	3.33	1410	136	1630	213	0.874	30.1	0.518	65.9	94.5
	<b>x 82</b>	82.1	465.8	155.3	10.5	18.9	10.2	407.6	38.8	3.29	7	84	30	1.51	18.4	36600	1180	18.7	3.37	1570	153	1810	240	0.870	27.5	0.591	89.2	105
<b>457 x 191</b>	<b>x 67</b>	67.1	453.4	189.9	8.5	12.7	10.2	407.6	48.0	6.34	6	102	24	1.63	24.3	29400	1450	18.5	4.12	1300	153	1470	237	0.872	37.9	0.705	37.1	85.5
	<b>x 74</b>	74.3	457.0	190.4	9.0	14.5	10.2	407.6	45.3	5.55	7	102	26	1.64	22.1	33300	1670	18.8	4.20	1460	176	1650	272	0.876	33.8	0.818	51.8	94.6
	<b>x 82</b>	82.0	460.0	191.3	9.9	16.0	10.2	407.6	41.2	5.03	7	102	28	1.65	20.1	37100	1870	18.8	4.23	1610	196	1830	304	0.879	30.8	0.922	69.2	104
	<b>x 89</b>	89.3	463.4	191.9	10.5	17.7	10.2	407.6	38.8	4.55	7	102	28	1.66	18.6	41000	2090	19.0	4.29	1770	218	2010	338	0.877	28.3	1.04	90.7	114
	<b>x 98</b>	98.3	467.2	192.8	11.4	19.6	10.2	407.6	35.8	4.11	8	102	30	1.67	17.0	45700	2350	19.1	4.33	1960	243	2230	379	0.881	25.8	1.18	121	125
	<b>x 106</b>	105.8	469.2	194.0	12.6	20.6	10.2	407.6	32.3	3.91	8	102	32	1.67	15.8	48900	2510	19.0	4.32	2080	259	2390	405	0.876	24.5	1.27	146	135
	<b>x 133</b>	133.3	480.6	196.7	15.3	26.3	10.2	407.6	26.6	3.06	10	102	38	1.70	12.8	63800	3350	19.4	4.44	2660	341	3070	535	0.880	19.6	1.73	292	170
<b>x 161</b>	161.4	492.0	199.4	18.0	32.0	10.2	407.6	22.6	2.52	11	102	44	1.73	10.7	79800	4250	19.7	4.55	3240	426	3780	672	0.881	16.5	2.25	515	206	

# Universal Beams (continued)

Dimensions and properties to BS 4: Part 1: 1993



533 x 165 x 66 - 1016 x 305 x 438

\* These sections are in addition to the range of BS EN 10365 sections

<b>533 x 165</b>	<b>x 66</b>	65.7	524.7	165.1	8.9	11.4	12.7	476.5	53.5	5.74	6	90	26	1.67	25.4	35000	859	20.5	3.20	1340	104	1560	166	0.847	47.0	0.566	32.0	83.7
	<b>x 75</b>	74.7	529.1	165.9	9.7	13.6	12.7	476.5	49.1	4.81	7	90	28	1.68	22.5	41100	1040	20.8	3.30	1550	125	1810	200	0.853	41.1	0.691	47.9	95.2
	<b>x 85</b>	84.8	534.9	166.5	10.3	16.5	12.7	476.5	46.3	3.96	7	90	30	1.69	19.9	48500	1270	21.2	3.44	1820	153	2100	243	0.859	35.5	0.857	73.8	108
<b>533 x 210</b>	<b>x 82</b>	82.2	528.3	208.8	9.6	13.2	12.7	476.5	49.6	6.58	7	110	26	1.85	22.5	47500	2010	21.3	4.38	1800	192	2060	300	0.864	41.5	1.33	51.5	105
	<b>x 92</b>	92.1	533.1	209.3	10.1	15.6	12.7	476.5	47.2	5.57	7	110	30	1.86	20.2	55200	2390	21.7	4.51	2070	228	2360	355	0.873	36.4	1.60	75.7	117
	<b>x 101</b>	101.0	536.7	210.0	10.8	17.4	12.7	476.5	44.1	4.99	7	110	32	1.87	18.5	61500	2690	21.9	4.57	2290	256	2610	399	0.873	33.2	1.81	101	129
	<b>x 109</b>	109.0	539.5	210.8	11.6	18.8	12.7	476.5	41.1	4.62	8	110	32	1.88	17.2	66800	2940	21.9	4.60	2480	279	2830	436	0.875	30.9	1.99	126	139
	<b>x 122</b>	122.0	544.5	211.9	12.7	21.3	12.7	476.5	37.5	4.08	8	110	34	1.89	15.5	76000	3390	22.1	4.67	2790	320	3200	500	0.878	27.6	2.32	178	155
<b>x 138</b>	138.3	549.1	213.9	14.7	23.6	12.7	476.5	32.4	3.68	9	110	38	1.90	13.7	86100	3860	22.1	4.68	3140	361	3610	568	0.873	25.0	2.67	250	176	
<b>533 x 312</b>	<b>x 151</b>	150.6	542.5	312.0	12.7	20.3	12.7	476.5	37.5	6.75	8	160	34	2.29	15.2	101000	10300	22.9	7.32	3710	659	4150	1010	0.886	27.8	7.01	216	192
	<b>x 182</b>	181.5	550.7	314.5	15.2	24.4	12.7	476.5	31.3	5.61	10	160	38	2.31	12.7	123000	12700	23.1	7.40	4480	806	5040	1240	0.887	23.4	8.77	373	231
	<b>x 219</b>	218.8	560.3	317.4	18.3	29.2	12.7	476.5	26.0	4.69	11	160	42	2.33	10.6	151000	15600	23.3	7.48	5400	982	6120	1510	0.884	19.8	11.0	642	279
	<b>x 273</b>	273.3	577.1	320.2	21.1	37.6	12.7	476.5	22.6	3.64	13	160	52	2.37	8.67	199000	20600	23.9	7.69	6890	1290	7870	1990	0.891	15.9	15.0	1290	348
<b>610 x 178</b>	<b>x 82</b>	81.8	598.6	177.9	10.0	12.8	12.7	547.6	54.8	5.57	7	94	26	1.87	22.9	55900	1210	23.2	3.40	1870	136	2190	218	0.843	48.4	1.04	48.8	104
	<b>x 92</b>	92.2	603.0	178.8	10.9	15.0	12.7	547.6	50.2	4.75	7	94	28	1.88	20.4	64600	1440	23.4	3.50	2140	161	2510	258	0.850	42.6	1.24	71.0	117
	<b>x 100</b>	100.3	607.4	179.2	11.3	17.2	12.7	547.6	48.5	4.14	8	94	30	1.89	18.8	72500	1660	23.8	3.60	2390	185	2790	296	0.855	38.7	1.44	95.0	128
<b>610 x 229</b>	<b>x 101</b>	101.2	602.6	227.6	10.5	14.8	12.7	547.6	52.2	6.48	7	120	28	2.07	20.5	75800	2910	24.2	4.75	2520	256	2880	400	0.863	43.1	2.52	77.0	129
	<b>x 113</b>	113.0	607.6	228.2	11.1	17.3	12.7	547.6	49.3	5.54	8	120	30	2.08	18.4	87300	3430	24.6	4.88	2870	301	3280	469	0.870	38.0	2.99	111	144
	<b>x 125</b>	125.1	612.2	229.0	11.9	19.6	12.7	547.6	46.0	4.89	8	120	34	2.09	16.7	98600	3930	24.9	4.97	3220	343	3680	535	0.875	34.1	3.45	154	159
	<b>x 140</b>	139.9	617.2	230.2	13.1	22.1	12.7	547.6	41.8	4.34	9	120	36	2.11	15.1	112000	4510	25.0	5.03	3620	391	4140	611	0.875	30.5	3.99	216	178
<b>610 x 305</b>	<b>x 149</b>	149.2	612.4	304.8	11.8	19.7	16.5	540.0	45.8	6.60	8	158	38	2.39	16.0	126000	9310	25.7	7.00	4110	611	4590	937	0.886	32.7	8.17	200	190
	<b>x 179</b>	179.0	620.2	307.1	14.1	23.6	16.5	540.0	38.3	5.51	9	158	42	2.41	13.5	153000	11400	25.9	7.07	4930	743	5550	1140	0.885	27.7	10.2	340	228
	<b>x 238</b>	238.1	635.8	311.4	18.4	31.4	16.5	540.0	29.3	4.14	11	158	48	2.45	10.3	209000	15800	26.3	7.23	6590	1020	7490	1570	0.886	21.3	14.5	785	303

<b>686 x 254</b>	<b>x 125</b>	125.2	677.9	253.0	11.7	16.2	15.2	615.1	52.6	6.51	8	132	32	2.32	18.5	118000	4380	27.2	5.24	3480	346	3990	542	0.862	43.8	4.80	116	159
	<b>x 140</b>	140.1	683.5	253.7	12.4	19.0	15.2	615.1	49.6	5.55	8	132	36	2.33	16.6	136000	5180	27.6	5.39	3990	409	4560	638	0.870	38.6	5.72	169	178
	<b>x 152</b>	152.4	687.5	254.5	13.2	21.0	15.2	615.1	46.6	5.02	9	132	38	2.34	15.4	150000	5780	27.8	5.46	4370	455	5000	710	0.871	35.4	6.42	220	194
	<b>x 170</b>	170.2	692.9	255.8	14.5	23.7	15.2	615.1	42.4	4.45	9	132	40	2.35	13.8	170000	6630	28.0	5.53	4920	518	5630	811	0.872	31.8	7.42	308	217
<b>762 x 267</b>	<b>x 134</b>	133.9	750.0	264.4	12.0	15.5	16.5	686.0	57.2	7.08	8	138	32	2.51	18.7	151000	4790	29.7	5.30	4020	362	4640	570	0.853	49.8	6.46	119	171
	<b>x 147</b>	146.9	754.0	265.2	12.8	17.5	16.5	686.0	53.6	6.27	8	138	34	2.51	17.1	169000	5460	30.0	5.40	4470	411	5160	647	0.859	45.2	7.40	159	187
	<b>x 173</b>	173.0	762.2	266.7	14.3	21.6	16.5	686.0	48.0	5.08	9	138	40	2.53	14.6	205000	6850	30.5	5.58	5390	514	6200	807	0.865	38.0	9.39	267	220
	<b>x 197</b>	196.8	769.8	268.0	15.6	25.4	16.5	686.0	44.0	4.32	10	138	42	2.55	13.0	240000	8170	30.9	5.71	6230	610	7170	958	0.869	33.2	11.3	404	251
<b>838 x 292</b>	<b>x 176</b>	175.9	834.9	291.7	14.0	18.8	17.8	761.7	54.4	6.44	9	150	38	2.78	15.8	246000	7800	33.1	5.90	5890	535	6810	842	0.856	46.5	13.0	221	224
	<b>x 194</b>	193.8	840.7	292.4	14.7	21.7	17.8	761.7	51.8	5.58	9	150	40	2.79	14.4	279000	9070	33.6	6.06	6640	620	7640	974	0.862	41.6	15.2	306	247
	<b>x 226</b>	226.5	850.9	293.8	16.1	26.8	17.8	761.7	47.3	4.52	10	150	46	2.81	12.4	340000	11400	34.3	6.27	7980	773	9160	1210	0.870	34.9	19.3	514	289
<b>914 x 305</b>	<b>x 201</b>	200.9	903.0	303.3	15.1	20.2	19.1	824.4	54.6	6.19	10	156	40	2.96	14.7	325000	9420	35.7	6.07	7200	621	8350	982	0.853	46.9	18.4	291	256
	<b>x 224</b>	224.2	910.4	304.1	15.9	23.9	19.1	824.4	51.8	5.23	10	156	44	2.97	13.2	376000	11200	36.3	6.27	8270	739	9530	1160	0.860	41.4	22.1	422	286
	<b>x 253</b>	253.4	918.4	305.5	17.3	27.9	19.1	824.4	47.7	4.48	11	156	48	2.99	11.8	436000	13300	36.8	6.42	9500	871	10900	1370	0.864	36.2	26.4	626	323
	<b>x 289</b>	289.1	926.6	307.7	19.5	32.0	19.1	824.4	42.3	3.91	12	156	52	3.01	10.4	504000	15600	37.0	6.51	10900	1010	12600	1600	0.868	31.9	31.2	926	368
<b>914 x 419</b>	<b>x 343</b>	343.3	911.8	418.5	19.4	32.0	24.1	799.6	41.2	5.48	12	210	58	3.42	9.96	626000	39200	37.8	9.46	13700	1870	15500	2890	0.884	30.1	75.8	1190	437
	<b>x 388</b>	388.0	921.0	420.5	21.4	36.6	24.1	799.6	37.4	4.79	13	210	62	3.44	8.87	720000	45400	38.2	9.59	15600	2160	17700	3340	0.885	26.7	88.9	1730	494
<b>1016 x 305</b>	<b>x 222</b>	222.0	970.3	300.0	16.0	21.1	30.0	868.1	54.3	5.31	10	152	52	3.06	13.8	408000	9550	38.0	5.81	8410	636	9810	1020	0.850	45.7	21.5	390	283
	<b>x 249</b>	248.7	980.1	300.0	16.5	26.0	30.0	868.1	52.6	4.30	10	152	56	3.08	12.4	481000	11800	39.0	6.09	9820	784	11300	1240	0.860	39.8	26.8	582	317
	<b>x 272</b>	272.3	990.1	300.0	16.5	31.0	30.0	868.1	52.6	3.60	10	152	62	3.10	11.4	554000	14000	40.0	6.35	11200	934	12800	1470	0.871	35.0	32.2	835	347
	<b>x 314</b>	314.3	999.9	300.0	19.1	35.9	30.0	868.1	45.5	3.08	12	152	66	3.11	9.90	644000	16200	40.1	6.37	12900	1080	14800	1710	0.870	30.7	37.7	1260	400
	<b>x 350</b>	350.0	1008.0	302.0	21.1	40.0	30.0	868.1	41.1	2.76	13	152	70	3.13	8.94	723000	18500	40.3	6.44	14300	1220	16600	1940	0.872	27.8	43.3	1720	445
	<b>x 393</b>	392.7	1015.9	303.0	24.4	43.9	30.0	868.1	35.6	2.49	14	150	74	3.14	8.00	808000	20500	40.2	6.40	15900	1350	18500	2170	0.867	25.5	48.4	2330	500
	<b>x 438</b>	438.0	1026.0	305.0	26.9	49.0	30.0	868.1	32.3	2.23	15	150	80	3.17	7.24	910000	23400	40.4	6.49	17700	1540	20800	2470	0.869	23.1	56.0	3190	556