

Table 3.5a  
(metric)



## SIN Beam Axial Capacity

Metric

Depth of Web $h_w$ (mm)	Flange			Area (mm <sup>2</sup> )	$r_y$ (mm)	$r_x/r_y$	Factored Compressive Resistance $C_r$ (kN)													
	Width $b_f$ (mm)	Thickness $t_f$ (mm)					Effective length (mm) with respect to least radius of gyration ( $r_y$ )													
							0	2000	3000	4000	5000	6000	7000	8000	9000	10000	11000	13000	15000	18000
<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>	<i>g</i>	<i>h</i>	<i>i</i>	<i>j</i>	<i>k</i>	<i>l</i>	<i>m</i>	<i>n</i>	<i>o</i>	<i>p</i>	<i>q</i>	<i>r</i>	<i>s</i>	<i>t</i>	<i>t2</i>
333	127	x	6	1612.9	36.7	4.63	508.1	390.1	276.6	190.6	134.3	98.0	74.1	57.7	46.1	37.6	31.3	22.5	17.0	11.8
	152	x		1935.48	44.0	3.86	609.7	512.9	397.8	293.0	215.2	161.1	123.7	97.3	78.2	64.1	53.4	38.6	29.2	20.4
	152	x	8	2419.35	44.0	3.88	762.1	641.2	497.2	366.3	269.1	201.4	154.6	121.6	97.8	80.1	66.8	48.3	36.5	25.5
	152	x	10	2903.22	44.0	3.89	914.5	769.4	596.7	439.5	322.9	241.7	185.5	145.9	117.3	96.2	80.1	58.0	43.8	30.6
	178	x		3387.09	51.3	3.34	1066.9	947.6	784.1	612.4	469.0	360.9	282.0	224.4	181.9	149.9	125.4	91.2	69.1	48.3
	152	x	13	3870.96	44.0	3.93	1219.4	1025.9	795.6	586.0	430.5	322.3	247.4	194.6	156.4	128.2	106.8	77.3	58.4	40.8
	178	x		4516.12	51.3	3.37	1422.6	1263.4	1045.5	816.5	625.3	481.2	376.0	299.2	242.5	199.9	167.2	121.6	92.1	64.5
	203	x		5161.28	58.7	2.95	1625.8	1493.5	1294.5	1060.8	844.8	668.7	532.7	429.7	351.5	291.6	245.2	179.4	136.4	95.7
	152	x	19	5806.44	44.0	4.00	1829.0	1538.8	1193.4	879.1	645.7	483.4	371.0	291.8	234.6	192.3	160.3	115.9	87.6	61.1
	203	x	16	6451.6	58.7	2.97	2032.3	1866.8	1618.1	1326.0	1056.0	835.8	665.9	537.1	439.4	364.5	306.4	224.2	170.5	119.7
	203	x	19	7741.92	58.7	3.00	2438.7	2240.2	1941.7	1591.2	1267.2	1003.0	799.1	644.5	527.3	437.5	367.7	269.1	204.6	143.6
	254	x		9677.4	73.3	2.40	3048.4	2905.9	2666.6	2340.8	1988.9	1659.6	1376.3	1143.4	955.8	805.7	685.3	509.4	391.1	276.7
	203	x	25	10322.56	58.7	3.06	3251.6	2986.9	2588.9	2121.5	1689.7	1337.3	1065.5	859.4	703.0	583.3	490.3	358.7	272.8	191.5
	254	x		12903.2	73.3	2.45	4064.5	3874.5	3555.4	3121.1	2651.9	2212.8	1835.1	1524.5	1274.4	1074.2	913.8	679.2	521.4	368.9
	279	x		14193.52	80.7	2.22	4471.0	4307.1	4022.6	3616.1	3151.1	2690.5	2274.4	1918.3	1622.3	1379.7	1181.7	886.5	684.6	486.8
	305	x		15483.84	88.0	2.04	4877.4	4734.5	4480.4	4103.6	3651.9	3182.3	2738.6	2344.1	2006.0	1721.9	1485.4	1125.8	874.9	625.7
	254	x	32	16129	73.3	2.49	5080.6	4843.1	4444.3	3901.4	3314.9	2766.0	2293.9	1905.7	1593.0	1342.8	1142.2	848.9	651.8	461.1
	330	x	25	16774.16	95.3	1.88	5283.9	5158.1	4930.4	4582.7	4149.9	3681.2	3220.1	2795.4	2420.2	2097.2	1822.9	1396.5	1092.9	786.6
	356	x		18064.48	102.7	1.75	5690.3	5578.7	5373.8	5053.7	4642.8	4182.1	3712.7	3265.9	2859.7	2501.4	2191.0	1697.6	1338.5	970.1
	305	x	32	19354.8	88.0	2.08	6096.8	5918.2	5600.5	5129.5	4564.8	3977.9	3423.3	2930.2	2507.5	2152.4	1856.8	1407.2	1093.6	782.1
	406	x	25	20645.12	117.3	1.53	6503.2	6413.4	6245.3	5973.9	5609.4	5177.9	4712.1	4243.1	3794.0	3379.3	3005.7	2384.3	1910.5	1406.1
	356	x	32	22580.6	102.7	1.78	7112.9	6973.4	6717.2	6317.1	5803.6	5227.6	4640.9	4082.3	3574.6	3126.7	2738.7	2122.0	1673.2	1212.6
	406	x		25806.4	117.3	1.56	8129.0	8016.8	7806.6	7467.4	7011.8	6472.3	5890.2	5303.9	4742.5	4224.1	3757.2	2980.3	2388.1	1757.6
	450	x		28575	129.9	1.41	9001.1	8906.2	8726.4	8430.7	8022.6	7522.7	6962.2	6375.1	5791.2	5232.7	4713.4	3815.4	3102.4	2316.8



Table 3.5a  
(metric)



## SIN Beam Axial Capacity

Metric

Depth of Web $h_w$ (mm)	Flange			Area (mm <sup>2</sup> )	$r_y$ (mm)	$r_x/r_y$	Factored Compressive Resistance $C_r$ (kN)													
	Width $b_f$ (mm)	Thickness $t_f$ (mm)					Effective length (mm) with respect to least radius of gyration ( $r_y$ )													
							0	2000	3000	4000	5000	6000	7000	8000	9000	10000	11000	13000	15000	18000
<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>	<i>g</i>	<i>h</i>	<i>i</i>	<i>j</i>	<i>k</i>	<i>l</i>	<i>m</i>	<i>n</i>	<i>o</i>	<i>p</i>	<i>q</i>	<i>r</i>	<i>s</i>	<i>t</i>	<i>t2</i>
440	127	x	6	1612.9	36.7	6.09	508.1	390.1	276.6	190.6	134.3	98.0	74.1	57.7	46.1	37.6	31.3	22.5	17.0	11.8
	152	x		1935.48	44.0	5.07	609.7	512.9	397.8	293.0	215.2	161.1	123.7	97.3	78.2	64.1	53.4	38.6	29.2	20.4
	152	x	8	2419.35	44.0	5.09	762.1	641.2	497.2	366.3	269.1	201.4	154.6	121.6	97.8	80.1	66.8	48.3	36.5	25.5
	152	x	10	2903.22	44.0	5.11	914.5	769.4	596.7	439.5	322.9	241.7	185.5	145.9	117.3	96.2	80.1	58.0	43.8	30.6
	178	x		3387.09	51.3	4.38	1066.9	947.6	784.1	612.4	469.0	360.9	282.0	224.4	181.9	149.9	125.4	91.2	69.1	48.3
	152	x	13	3870.96	44.0	5.15	1219.4	1025.9	795.6	586.0	430.5	322.3	247.4	194.6	156.4	128.2	106.8	77.3	58.4	40.8
	178	x		4516.12	51.3	4.41	1422.6	1263.4	1045.5	816.5	625.3	481.2	376.0	299.2	242.5	199.9	167.2	121.6	92.1	64.5
	203	x		5161.28	58.7	3.86	1625.8	1493.5	1294.5	1060.8	844.8	668.7	532.7	429.7	351.5	291.6	245.2	179.4	136.4	95.7
	152	x	19	5806.44	44.0	5.22	1829.0	1538.8	1193.4	879.1	645.7	483.4	371.0	291.8	234.6	192.3	160.3	115.9	87.6	61.1
	203	x	16	6451.6	58.7	3.89	2032.3	1866.8	1618.1	1326.0	1056.0	835.8	665.9	537.1	439.4	364.5	306.4	224.2	170.5	119.7
	203	x	19	7741.92	58.7	3.91	2438.7	2240.2	1941.7	1591.2	1267.2	1003.0	799.1	644.5	527.3	437.5	367.7	269.1	204.6	143.6
	254	x		9677.4	73.3	3.13	3048.4	2905.9	2666.6	2340.8	1988.9	1659.6	1376.3	1143.4	955.8	805.7	685.3	509.4	391.1	276.7
	203	x	25	10322.56	58.7	3.97	3251.6	2986.9	2588.9	2121.5	1689.7	1337.3	1065.5	859.4	703.0	583.3	490.3	358.7	272.8	191.5
	254	x		12903.2	73.3	3.18	4064.5	3874.5	3555.4	3121.1	2651.9	2212.8	1835.1	1524.5	1274.4	1074.2	913.8	679.2	521.4	368.9
	279	x		14193.52	80.7	2.89	4471.0	4307.1	4022.6	3616.1	3151.1	2690.5	2274.4	1918.3	1622.3	1379.7	1181.7	886.5	684.6	486.8
	305	x		15483.84	88.0	2.65	4877.4	4734.5	4480.4	4103.6	3651.9	3182.3	2738.6	2344.1	2006.0	1721.9	1485.4	1125.8	874.9	625.7
	254	x	32	16129	73.3	3.22	5080.6	4843.1	4444.3	3901.4	3314.9	2766.0	2293.9	1905.7	1593.0	1342.8	1142.2	848.9	651.8	461.1
	330	x	25	16774.16	95.3	2.44	5283.9	5158.1	4930.4	4582.7	4149.9	3681.2	3220.1	2795.4	2420.2	2097.2	1822.9	1396.5	1092.9	786.6
	356	x		18064.48	102.7	2.27	5690.3	5578.7	5373.8	5053.7	4642.8	4182.1	3712.7	3265.9	2859.7	2501.4	2191.0	1697.6	1338.5	970.1
	305	x	32	19354.8	88.0	2.68	6096.8	5918.2	5600.5	5129.5	4564.8	3977.9	3423.3	2930.2	2507.5	2152.4	1856.8	1407.2	1093.6	782.1
	406	x	25	20645.12	117.3	1.98	6503.2	6413.4	6245.3	5973.9	5609.4	5177.9	4712.1	4243.1	3794.0	3379.3	3005.7	2384.3	1910.5	1406.1
	356	x	32	22580.6	102.7	2.30	7112.9	6973.4	6717.2	6317.1	5803.6	5227.6	4640.9	4082.3	3574.6	3126.7	2738.7	2122.0	1673.2	1212.6
	406	x		25806.4	117.3	2.01	8129.0	8016.8	7806.6	7467.4	7011.8	6472.3	5890.2	5303.9	4742.5	4224.1	3757.2	2980.3	2388.1	1757.6
	450	x		28575	129.9	1.82	9001.1	8906.2	8726.4	8430.7	8022.6	7522.7	6962.2	6375.1	5791.2	5232.7	4713.4	3815.4	3102.4	2316.8



Table 3.5a  
(metric)



## SIN Beam Axial Capacity

Metric

Depth of Web $h_w$ (mm)	Flange			Area (mm <sup>2</sup> )	$r_y$ (mm)	$r_x/r_y$	Factored Compressive Resistance $C_r$ (kN)													
	Width $b_f$ (mm)	Thickness $t_f$ (mm)					Effective length (mm) with respect to least radius of gyration ( $r_y$ )													
							0	2000	3000	4000	5000	6000	7000	8000	9000	10000	11000	13000	15000	18000
<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>	<i>g</i>	<i>h</i>	<i>i</i>	<i>j</i>	<i>k</i>	<i>l</i>	<i>m</i>	<i>n</i>	<i>o</i>	<i>p</i>	<i>q</i>	<i>r</i>	<i>s</i>	<i>t</i>	<i>t2</i>
500	127	x	6	1612.9	36.7	6.91	508.1	390.1	276.6	190.6	134.3	98.0	74.1	57.7	46.1	37.6	31.3	22.5	17.0	11.8
	152	x		1935.48	44.0	5.75	609.7	512.9	397.8	293.0	215.2	161.1	123.7	97.3	78.2	64.1	53.4	38.6	29.2	20.4
	152	x	8	2419.35	44.0	5.77	762.1	641.2	497.2	366.3	269.1	201.4	154.6	121.6	97.8	80.1	66.8	48.3	36.5	25.5
	152	x	10	2903.22	44.0	5.79	914.5	769.4	596.7	439.5	322.9	241.7	185.5	145.9	117.3	96.2	80.1	58.0	43.8	30.6
	178	x		3387.09	51.3	4.96	1066.9	947.6	784.1	612.4	469.0	360.9	282.0	224.4	181.9	149.9	125.4	91.2	69.1	48.3
	152	x	13	3870.96	44.0	5.83	1219.4	1025.9	795.6	586.0	430.5	322.3	247.4	194.6	156.4	128.2	106.8	77.3	58.4	40.8
	178	x		4516.12	51.3	5.00	1422.6	1263.4	1045.5	816.5	625.3	481.2	376.0	299.2	242.5	199.9	167.2	121.6	92.1	64.5
	203	x		5161.28	58.7	4.37	1625.8	1493.5	1294.5	1060.8	844.8	668.7	532.7	429.7	351.5	291.6	245.2	179.4	136.4	95.7
	152	x	19	5806.44	44.0	5.90	1829.0	1538.8	1193.4	879.1	645.7	483.4	371.0	291.8	234.6	192.3	160.3	115.9	87.6	61.1
	203	x	16	6451.6	58.7	4.40	2032.3	1866.8	1618.1	1326.0	1056.0	835.8	665.9	537.1	439.4	364.5	306.4	224.2	170.5	119.7
	203	x	19	7741.92	58.7	4.43	2438.7	2240.2	1941.7	1591.2	1267.2	1003.0	799.1	644.5	527.3	437.5	367.7	269.1	204.6	143.6
	254	x		9677.4	73.3	3.54	3048.4	2905.9	2666.6	2340.8	1988.9	1659.6	1376.3	1143.4	955.8	805.7	685.3	509.4	391.1	276.7
	203	x	25	10322.56	58.7	4.48	3251.6	2986.9	2588.9	2121.5	1689.7	1337.3	1065.5	859.4	703.0	583.3	490.3	358.7	272.8	191.5
	254	x		12903.2	73.3	3.58	4064.5	3874.5	3555.4	3121.1	2651.9	2212.8	1835.1	1524.5	1274.4	1074.2	913.8	679.2	521.4	368.9
	279	x		14193.52	80.7	3.26	4471.0	4307.1	4022.6	3616.1	3151.1	2690.5	2274.4	1918.3	1622.3	1379.7	1181.7	886.5	684.6	486.8
	305	x		15483.84	88.0	2.99	4877.4	4734.5	4480.4	4103.6	3651.9	3182.3	2738.6	2344.1	2006.0	1721.9	1485.4	1125.8	874.9	625.7
	254	x	32	16129	73.3	3.63	5080.6	4843.1	4444.3	3901.4	3314.9	2766.0	2293.9	1905.7	1593.0	1342.8	1142.2	848.9	651.8	461.1
	330	x	25	16774.16	95.3	2.76	5283.9	5158.1	4930.4	4582.7	4149.9	3681.2	3220.1	2795.4	2420.2	2097.2	1822.9	1396.5	1092.9	786.6
	356	x		18064.48	102.7	2.56	5690.3	5578.7	5373.8	5053.7	4642.8	4182.1	3712.7	3265.9	2859.7	2501.4	2191.0	1697.6	1338.5	970.1
	305	x	32	19354.8	88.0	3.02	6096.8	5918.2	5600.5	5129.5	4564.8	3977.9	3423.3	2930.2	2507.5	2152.4	1856.8	1407.2	1093.6	782.1
	406	x	25	20645.12	117.3	2.24	6503.2	6413.4	6245.3	5973.9	5609.4	5177.9	4712.1	4243.1	3794.0	3379.3	3005.7	2384.3	1910.5	1406.1
	356	x	32	22580.6	102.7	2.59	7112.9	6973.4	6717.2	6317.1	5803.6	5227.6	4640.9	4082.3	3574.6	3126.7	2738.7	2122.0	1673.2	1212.6
	406	x		25806.4	117.3	2.27	8129.0	8016.8	7806.6	7467.4	7011.8	6472.3	5890.2	5303.9	4742.5	4224.1	3757.2	2980.3	2388.1	1757.6
	450	x		28575	129.9	2.05	9001.1	8906.2	8726.4	8430.7	8022.6	7522.7	6962.2	6375.1	5791.2	5232.7	4713.4	3815.4	3102.4	2316.8



Table 3.5a  
(metric)



## SIN Beam Axial Capacity

Metric

Depth of Web $h_w$ (mm)	Flange			Area (mm <sup>2</sup> )	$r_y$ (mm)	$r_x/r_y$	Factored Compressive Resistance $C_r$ (kN)													
	Width $b_f$ (mm)	Thickness $t_f$ (mm)					Effective length (mm) with respect to least radius of gyration ( $r_y$ )													
							0	2000	3000	4000	5000	6000	7000	8000	9000	10000	11000	13000	15000	18000
<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>	<i>g</i>	<i>h</i>	<i>i</i>	<i>j</i>	<i>k</i>	<i>l</i>	<i>m</i>	<i>n</i>	<i>o</i>	<i>p</i>	<i>q</i>	<i>r</i>	<i>s</i>	<i>t</i>	<i>t2</i>
610	127	x	6	1612.9	36.7	8.40	508.1	390.1	276.6	190.6	134.3	98.0	74.1	57.7	46.1	37.6	31.3	22.5	17.0	11.8
	152	x		1935.48	44.0	7.00	609.7	512.9	397.8	293.0	215.2	161.1	123.7	97.3	78.2	64.1	53.4	38.6	29.2	20.4
	152	x	8	2419.35	44.0	7.02	762.1	641.2	497.2	366.3	269.1	201.4	154.6	121.6	97.8	80.1	66.8	48.3	36.5	25.5
	152	x	10	2903.22	44.0	7.04	914.5	769.4	596.7	439.5	322.9	241.7	185.5	145.9	117.3	96.2	80.1	58.0	43.8	30.6
	178	x		3387.09	51.3	6.03	1066.9	947.6	784.1	612.4	469.0	360.9	282.0	224.4	181.9	149.9	125.4	91.2	69.1	48.3
	152	x	13	3870.96	44.0	7.07	1219.4	1025.9	795.6	586.0	430.5	322.3	247.4	194.6	156.4	128.2	106.8	77.3	58.4	40.8
	178	x		4516.12	51.3	6.06	1422.6	1263.4	1045.5	816.5	625.3	481.2	376.0	299.2	242.5	199.9	167.2	121.6	92.1	64.5
	203	x		5161.28	58.7	5.30	1625.8	1493.5	1294.5	1060.8	844.8	668.7	532.7	429.7	351.5	291.6	245.2	179.4	136.4	95.7
	152	x	19	5806.44	44.0	7.15	1829.0	1538.8	1193.4	879.1	645.7	483.4	371.0	291.8	234.6	192.3	160.3	115.9	87.6	61.1
	203	x	16	6451.6	58.7	5.33	2032.3	1866.8	1618.1	1326.0	1056.0	835.8	665.9	537.1	439.4	364.5	306.4	224.2	170.5	119.7
	203	x	19	7741.92	58.7	5.36	2438.7	2240.2	1941.7	1591.2	1267.2	1003.0	799.1	644.5	527.3	437.5	367.7	269.1	204.6	143.6
	254	x		9677.4	73.3	4.29	3048.4	2905.9	2666.6	2340.8	1988.9	1659.6	1376.3	1143.4	955.8	805.7	685.3	509.4	391.1	276.7
	203	x	25	10322.56	58.7	5.41	3251.6	2986.9	2588.9	2121.5	1689.7	1337.3	1065.5	859.4	703.0	583.3	490.3	358.7	272.8	191.5
	254	x		12903.2	73.3	4.33	4064.5	3874.5	3555.4	3121.1	2651.9	2212.8	1835.1	1524.5	1274.4	1074.2	913.8	679.2	521.4	368.9
	279	x		14193.52	80.7	3.94	4471.0	4307.1	4022.6	3616.1	3151.1	2690.5	2274.4	1918.3	1622.3	1379.7	1181.7	886.5	684.6	486.8
	305	x		15483.84	88.0	3.61	4877.4	4734.5	4480.4	4103.6	3651.9	3182.3	2738.6	2344.1	2006.0	1721.9	1485.4	1125.8	874.9	625.7
	254	x	32	16129	73.3	4.38	5080.6	4843.1	4444.3	3901.4	3314.9	2766.0	2293.9	1905.7	1593.0	1342.8	1142.2	848.9	651.8	461.1
	330	x	25	16774.16	95.3	3.33	5283.9	5158.1	4930.4	4582.7	4149.9	3681.2	3220.1	2795.4	2420.2	2097.2	1822.9	1396.5	1092.9	786.6
	356	x		18064.48	102.7	3.09	5690.3	5578.7	5373.8	5053.7	4642.8	4182.1	3712.7	3265.9	2859.7	2501.4	2191.0	1697.6	1338.5	970.1
	305	x	32	19354.8	88.0	3.65	6096.8	5918.2	5600.5	5129.5	4564.8	3977.9	3423.3	2930.2	2507.5	2152.4	1856.8	1407.2	1093.6	782.1
	406	x	25	20645.12	117.3	2.71	6503.2	6413.4	6245.3	5973.9	5609.4	5177.9	4712.1	4243.1	3794.0	3379.3	3005.7	2384.3	1910.5	1406.1
	356	x	32	22580.6	102.7	3.13	7112.9	6973.4	6717.2	6317.1	5803.6	5227.6	4640.9	4082.3	3574.6	3126.7	2738.7	2122.0	1673.2	1212.6
	406	x		25806.4	117.3	2.73	8129.0	8016.8	7806.6	7467.4	7011.8	6472.3	5890.2	5303.9	4742.5	4224.1	3757.2	2980.3	2388.1	1757.6
	450	x		28575	129.9	2.47	9001.1	8906.2	8726.4	8430.7	8022.6	7522.7	6962.2	6375.1	5791.2	5232.7	4713.4	3815.4	3102.4	2316.8



Table 3.5a  
(metric)



## SIN Beam Axial Capacity

Metric

Depth of Web $h_w$ (mm)	Flange			Area (mm <sup>2</sup> )	$r_y$ (mm)	$r_x/r_y$	Factored Compressive Resistance $C_r$ (kN)													
	Width $b_f$ (mm)	Thickness $t_f$ (mm)					Effective length (mm) with respect to least radius of gyration ( $r_y$ )													
							0	2000	3000	4000	5000	6000	7000	8000	9000	10000	11000	13000	15000	18000
<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>	<i>g</i>	<i>h</i>	<i>i</i>	<i>j</i>	<i>k</i>	<i>l</i>	<i>m</i>	<i>n</i>	<i>o</i>	<i>p</i>	<i>q</i>	<i>r</i>	<i>s</i>	<i>t</i>	<i>t2</i>
750	127	x	6	1612.9	36.7	10.32	508.1	390.1	276.6	190.6	134.3	98.0	74.1	57.7	46.1	37.6	31.3	22.5	17.0	11.8
	152	x		1935.48	44.0	8.60	609.7	512.9	397.8	293.0	215.2	161.1	123.7	97.3	78.2	64.1	53.4	38.6	29.2	20.4
	152	x	8	2419.35	44.0	8.61	762.1	641.2	497.2	366.3	269.1	201.4	154.6	121.6	97.8	80.1	66.8	48.3	36.5	25.5
	152	x	10	2903.22	44.0	8.63	914.5	769.4	596.7	439.5	322.9	241.7	185.5	145.9	117.3	96.2	80.1	58.0	43.8	30.6
	178	x		3387.09	51.3	7.40	1066.9	947.6	784.1	612.4	469.0	360.9	282.0	224.4	181.9	149.9	125.4	91.2	69.1	48.3
	152	x	13	3870.96	44.0	8.67	1219.4	1025.9	795.6	586.0	430.5	322.3	247.4	194.6	156.4	128.2	106.8	77.3	58.4	40.8
	178	x		4516.12	51.3	7.43	1422.6	1263.4	1045.5	816.5	625.3	481.2	376.0	299.2	242.5	199.9	167.2	121.6	92.1	64.5
	203	x		5161.28	58.7	6.50	1625.8	1493.5	1294.5	1060.8	844.8	668.7	532.7	429.7	351.5	291.6	245.2	179.4	136.4	95.7
	152	x	19	5806.44	44.0	8.74	1829.0	1538.8	1193.4	879.1	645.7	483.4	371.0	291.8	234.6	192.3	160.3	115.9	87.6	61.1
	203	x	16	6451.6	58.7	6.53	2032.3	1866.8	1618.1	1326.0	1056.0	835.8	665.9	537.1	439.4	364.5	306.4	224.2	170.5	119.7
	203	x	19	7741.92	58.7	6.56	2438.7	2240.2	1941.7	1591.2	1267.2	1003.0	799.1	644.5	527.3	437.5	367.7	269.1	204.6	143.6
	254	x		9677.4	73.3	5.24	3048.4	2905.9	2666.6	2340.8	1988.9	1659.6	1376.3	1143.4	955.8	805.7	685.3	509.4	391.1	276.7
	203	x	25	10322.56	58.7	6.61	3251.6	2986.9	2588.9	2121.5	1689.7	1337.3	1065.5	859.4	703.0	583.3	490.3	358.7	272.8	191.5
	254	x		12903.2	73.3	5.29	4064.5	3874.5	3555.4	3121.1	2651.9	2212.8	1835.1	1524.5	1274.4	1074.2	913.8	679.2	521.4	368.9
	279	x		14193.52	80.7	4.81	4471.0	4307.1	4022.6	3616.1	3151.1	2690.5	2274.4	1918.3	1622.3	1379.7	1181.7	886.5	684.6	486.8
	305	x		15483.84	88.0	4.41	4877.4	4734.5	4480.4	4103.6	3651.9	3182.3	2738.6	2344.1	2006.0	1721.9	1485.4	1125.8	874.9	625.7
	254	x	32	16129	73.3	5.33	5080.6	4843.1	4444.3	3901.4	3314.9	2766.0	2293.9	1905.7	1593.0	1342.8	1142.2	848.9	651.8	461.1
	330	x	25	16774.16	95.3	4.07	5283.9	5158.1	4930.4	4582.7	4149.9	3681.2	3220.1	2795.4	2420.2	2097.2	1822.9	1396.5	1092.9	786.6
	356	x		18064.48	102.7	3.78	5690.3	5578.7	5373.8	5053.7	4642.8	4182.1	3712.7	3265.9	2859.7	2501.4	2191.0	1697.6	1338.5	970.1
	305	x	32	19354.8	88.0	4.44	6096.8	5918.2	5600.5	5129.5	4564.8	3977.9	3423.3	2930.2	2507.5	2152.4	1856.8	1407.2	1093.6	782.1
	406	x	25	20645.12	117.3	3.31	6503.2	6413.4	6245.3	5973.9	5609.4	5177.9	4712.1	4243.1	3794.0	3379.3	3005.7	2384.3	1910.5	1406.1
	356	x	32	22580.6	102.7	3.81	7112.9	6973.4	6717.2	6317.1	5803.6	5227.6	4640.9	4082.3	3574.6	3126.7	2738.7	2122.0	1673.2	1212.6
	406	x		25806.4	117.3	3.33	8129.0	8016.8	7806.6	7467.4	7011.8	6472.3	5890.2	5303.9	4742.5	4224.1	3757.2	2980.3	2388.1	1757.6
	450	x		28575	129.9	3.01	9001.1	8906.2	8726.4	8430.7	8022.6	7522.7	6962.2	6375.1	5791.2	5232.7	4713.4	3815.4	3102.4	2316.8



Table 3.5a  
(metric)



## SIN Beam Axial Capacity

Metric

Depth of Web $h_w$ (mm)	Flange			Area (mm <sup>2</sup> )	$r_y$ (mm)	$r_x/r_y$	Factored Compressive Resistance $C_r$ (kN)													
	Width		Thickness $t_f$ (mm)				Effective length (mm) with respect to least radius of gyration ( $r_y$ )													
	$b_f$ (mm)	$c$					0	2000	3000	4000	5000	6000	7000	8000	9000	10000	11000	13000	15000	18000
<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>	<i>g</i>	<i>h</i>	<i>i</i>	<i>j</i>	<i>k</i>	<i>l</i>	<i>m</i>	<i>n</i>	<i>o</i>	<i>p</i>	<i>q</i>	<i>r</i>	<i>s</i>	<i>t</i>	<i>t2</i>
900	127	x	6	1612.9	36.7	12.36	508.1	390.1	276.6	190.6	134.3	98.0	74.1	57.7	46.1	37.6	31.3	22.5	17.0	11.8
	152	x		1935.48	44.0	10.30	609.7	512.9	397.8	293.0	215.2	161.1	123.7	97.3	78.2	64.1	53.4	38.6	29.2	20.4
	152	x	8	2419.35	44.0	10.32	762.1	641.2	497.2	366.3	269.1	201.4	154.6	121.6	97.8	80.1	66.8	48.3	36.5	25.5
	152	x	10	2903.22	44.0	10.34	914.5	769.4	596.7	439.5	322.9	241.7	185.5	145.9	117.3	96.2	80.1	58.0	43.8	30.6
	178	x		3387.09	51.3	8.86	1066.9	947.6	784.1	612.4	469.0	360.9	282.0	224.4	181.9	149.9	125.4	91.2	69.1	48.3
	152	x	13	3870.96	44.0	10.37	1219.4	1025.9	795.6	586.0	430.5	322.3	247.4	194.6	156.4	128.2	106.8	77.3	58.4	40.8
	178	x		4516.12	51.3	8.89	1422.6	1263.4	1045.5	816.5	625.3	481.2	376.0	299.2	242.5	199.9	167.2	121.6	92.1	64.5
	203	x		5161.28	58.7	7.78	1625.8	1493.5	1294.5	1060.8	844.8	668.7	532.7	429.7	351.5	291.6	245.2	179.4	136.4	95.7
	152	x	19	5806.44	44.0	10.45	1829.0	1538.8	1193.4	879.1	645.7	483.4	371.0	291.8	234.6	192.3	160.3	115.9	87.6	61.1
	203	x	16	6451.6	58.7	7.81	2032.3	1866.8	1618.1	1326.0	1056.0	835.8	665.9	537.1	439.4	364.5	306.4	224.2	170.5	119.7
	203	x	19	7741.92	58.7	7.83	2438.7	2240.2	1941.7	1591.2	1267.2	1003.0	799.1	644.5	527.3	437.5	367.7	269.1	204.6	143.6
	254	x		9677.4	73.3	6.27	3048.4	2905.9	2666.6	2340.8	1988.9	1659.6	1376.3	1143.4	955.8	805.7	685.3	509.4	391.1	276.7
	203	x	25	10322.56	58.7	7.89	3251.6	2986.9	2588.9	2121.5	1689.7	1337.3	1065.5	859.4	703.0	583.3	490.3	358.7	272.8	191.5
	254	x		12903.2	73.3	6.31	4064.5	3874.5	3555.4	3121.1	2651.9	2212.8	1835.1	1524.5	1274.4	1074.2	913.8	679.2	521.4	368.9
	279	x		14193.52	80.7	5.74	4471.0	4307.1	4022.6	3616.1	3151.1	2690.5	2274.4	1918.3	1622.3	1379.7	1181.7	886.5	684.6	486.8
	305	x		15483.84	88.0	5.26	4877.4	4734.5	4480.4	4103.6	3651.9	3182.3	2738.6	2344.1	2006.0	1721.9	1485.4	1125.8	874.9	625.7
	254	x	32	16129	73.3	6.35	5080.6	4843.1	4444.3	3901.4	3314.9	2766.0	2293.9	1905.7	1593.0	1342.8	1142.2	848.9	651.8	461.1
	330	x	25	16774.16	95.3	4.85	5283.9	5158.1	4930.4	4582.7	4149.9	3681.2	3220.1	2795.4	2420.2	2097.2	1822.9	1396.5	1092.9	786.6
	356	x		18064.48	102.7	4.51	5690.3	5578.7	5373.8	5053.7	4642.8	4182.1	3712.7	3265.9	2859.7	2501.4	2191.0	1697.6	1338.5	970.1
	305	x	32	19354.8	88.0	5.30	6096.8	5918.2	5600.5	5129.5	4564.8	3977.9	3423.3	2930.2	2507.5	2152.4	1856.8	1407.2	1093.6	782.1
	406	x	25	20645.12	117.3	3.94	6503.2	6413.4	6245.3	5973.9	5609.4	5177.9	4712.1	4243.1	3794.0	3379.3	3005.7	2384.3	1910.5	1406.1
	356	x	32	22580.6	102.7	4.54	7112.9	6973.4	6717.2	6317.1	5803.6	5227.6	4640.9	4082.3	3574.6	3126.7	2738.7	2122.0	1673.2	1212.6
	406	x		25806.4	117.3	3.97	8129.0	8016.8	7806.6	7467.4	7011.8	6472.3	5890.2	5303.9	4742.5	4224.1	3757.2	2980.3	2388.1	1757.6
	450	x		28575	129.9	3.59	9001.1	8906.2	8726.4	8430.7	8022.6	7522.7	6962.2	6375.1	5791.2	5232.7	4713.4	3815.4	3102.4	2316.8



Table 3.5a  
(metric)



## SIN Beam Axial Capacity

Metric

Depth of Web $h_w$ (mm)	Flange			Area (mm <sup>2</sup> )	$r_y$ (mm)	$r_x/r_y$	Factored Compressive Resistance $C_r$ (kN)													
	Width		Thickness $t_f$ (mm)				Effective length (mm) with respect to least radius of gyration ( $r_y$ )													
	$b_f$ (mm)	$c$					0	2000	3000	4000	5000	6000	7000	8000	9000	10000	11000	13000	15000	18000
<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>	<i>g</i>	<i>h</i>	<i>i</i>	<i>j</i>	<i>k</i>	<i>l</i>	<i>m</i>	<i>n</i>	<i>o</i>	<i>p</i>	<i>q</i>	<i>r</i>	<i>s</i>	<i>t</i>	<i>t2</i>
1000	127	x	6	1612.9	36.7	13.72	508.1	390.1	276.6	190.6	134.3	98.0	74.1	57.7	46.1	37.6	31.3	22.5	17.0	11.8
	152	x		1935.48	44.0	11.44	609.7	512.9	397.8	293.0	215.2	161.1	123.7	97.3	78.2	64.1	53.4	38.6	29.2	20.4
	152	x	8	2419.35	44.0	11.46	762.1	641.2	497.2	366.3	269.1	201.4	154.6	121.6	97.8	80.1	66.8	48.3	36.5	25.5
	152	x	10	2903.22	44.0	11.47	914.5	769.4	596.7	439.5	322.9	241.7	185.5	145.9	117.3	96.2	80.1	58.0	43.8	30.6
	178	x		3387.09	51.3	9.83	1066.9	947.6	784.1	612.4	469.0	360.9	282.0	224.4	181.9	149.9	125.4	91.2	69.1	48.3
	152	x	13	3870.96	44.0	11.51	1219.4	1025.9	795.6	586.0	430.5	322.3	247.4	194.6	156.4	128.2	106.8	77.3	58.4	40.8
	178	x		4516.12	51.3	9.87	1422.6	1263.4	1045.5	816.5	625.3	481.2	376.0	299.2	242.5	199.9	167.2	121.6	92.1	64.5
	203	x		5161.28	58.7	8.63	1625.8	1493.5	1294.5	1060.8	844.8	668.7	532.7	429.7	351.5	291.6	245.2	179.4	136.4	95.7
	152	x	19	5806.44	44.0	11.58	1829.0	1538.8	1193.4	879.1	645.7	483.4	371.0	291.8	234.6	192.3	160.3	115.9	87.6	61.1
	203	x	16	6451.6	58.7	8.66	2032.3	1866.8	1618.1	1326.0	1056.0	835.8	665.9	537.1	439.4	364.5	306.4	224.2	170.5	119.7
	203	x	19	7741.92	58.7	8.69	2438.7	2240.2	1941.7	1591.2	1267.2	1003.0	799.1	644.5	527.3	437.5	367.7	269.1	204.6	143.6
	254	x		9677.4	73.3	6.95	3048.4	2905.9	2666.6	2340.8	1988.9	1659.6	1376.3	1143.4	955.8	805.7	685.3	509.4	391.1	276.7
	203	x	25	10322.56	58.7	8.74	3251.6	2986.9	2588.9	2121.5	1689.7	1337.3	1065.5	859.4	703.0	583.3	490.3	358.7	272.8	191.5
	254	x		12903.2	73.3	6.99	4064.5	3874.5	3555.4	3121.1	2651.9	2212.8	1835.1	1524.5	1274.4	1074.2	913.8	679.2	521.4	368.9
	279	x		14193.52	80.7	6.36	4471.0	4307.1	4022.6	3616.1	3151.1	2690.5	2274.4	1918.3	1622.3	1379.7	1181.7	886.5	684.6	486.8
	305	x		15483.84	88.0	5.83	4877.4	4734.5	4480.4	4103.6	3651.9	3182.3	2738.6	2344.1	2006.0	1721.9	1485.4	1125.8	874.9	625.7
	254	x	32	16129	73.3	7.04	5080.6	4843.1	4444.3	3901.4	3314.9	2766.0	2293.9	1905.7	1593.0	1342.8	1142.2	848.9	651.8	461.1
	330	x	25	16774.16	95.3	5.38	5283.9	5158.1	4930.4	4582.7	4149.9	3681.2	3220.1	2795.4	2420.2	2097.2	1822.9	1396.5	1092.9	786.6
	356	x		18064.48	102.7	5.00	5690.3	5578.7	5373.8	5053.7	4642.8	4182.1	3712.7	3265.9	2859.7	2501.4	2191.0	1697.6	1338.5	970.1
	305	x	32	19354.8	88.0	5.86	6096.8	5918.2	5600.5	5129.5	4564.8	3977.9	3423.3	2930.2	2507.5	2152.4	1856.8	1407.2	1093.6	782.1
	406	x	25	20645.12	117.3	4.37	6503.2	6413.4	6245.3	5973.9	5609.4	5177.9	4712.1	4243.1	3794.0	3379.3	3005.7	2384.3	1910.5	1406.1
	356	x	32	22580.6	102.7	5.03	7112.9	6973.4	6717.2	6317.1	5803.6	5227.6	4640.9	4082.3	3574.6	3126.7	2738.7	2122.0	1673.2	1212.6
	406	x		25806.4	117.3	4.40	8129.0	8016.8	7806.6	7467.4	7011.8	6472.3	5890.2	5303.9	4742.5	4224.1	3757.2	2980.3	2388.1	1757.6
	450	x		28575	129.9	3.97	9001.1	8906.2	8726.4	8430.7	8022.6	7522.7	6962.2	6375.1	5791.2	5232.7	4713.4	3815.4	3102.4	2316.8



Table 3.5a  
(metric)



## SIN Beam Axial Capacity

Metric

Depth of Web $h_w$ (mm)	Flange			Area (mm <sup>2</sup> )	$r_y$ (mm)	$r_x/r_y$	Factored Compressive Resistance $C_r$ (kN)													
	Width		Thickness $t_f$ (mm)				Effective length (mm) with respect to least radius of gyration ( $r_y$ )													
	$b_f$ (mm)	$c$					0	2000	3000	4000	5000	6000	7000	8000	9000	10000	11000	13000	15000	18000
<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>	<i>g</i>	<i>h</i>	<i>i</i>	<i>j</i>	<i>k</i>	<i>l</i>	<i>m</i>	<i>n</i>	<i>o</i>	<i>p</i>	<i>q</i>	<i>r</i>	<i>s</i>	<i>t</i>	<i>t2</i>
<b>1219</b>	127	x	6	1612.9	36.7	16.71	508.1	390.1	276.6	190.6	134.3	98.0	74.1	57.7	46.1	37.6	31.3	22.5	17.0	11.8
	152	x		1935.48	44.0	13.93	609.7	512.9	397.8	293.0	215.2	161.1	123.7	97.3	78.2	64.1	53.4	38.6	29.2	20.4
	152	x	8	2419.35	44.0	13.95	762.1	641.2	497.2	366.3	269.1	201.4	154.6	121.6	97.8	80.1	66.8	48.3	36.5	25.5
	152	x	10	2903.22	44.0	13.96	914.5	769.4	596.7	439.5	322.9	241.7	185.5	145.9	117.3	96.2	80.1	58.0	43.8	30.6
	178	x		3387.09	51.3	11.97	1066.9	947.6	784.1	612.4	469.0	360.9	282.0	224.4	181.9	149.9	125.4	91.2	69.1	48.3
	152	x	13	3870.96	44.0	14.00	1219.4	1025.9	795.6	586.0	430.5	322.3	247.4	194.6	156.4	128.2	106.8	77.3	58.4	40.8
	178	x		4516.12	51.3	12.00	1422.6	1263.4	1045.5	816.5	625.3	481.2	376.0	299.2	242.5	199.9	167.2	121.6	92.1	64.5
	203	x		5161.28	58.7	10.50	1625.8	1493.5	1294.5	1060.8	844.8	668.7	532.7	429.7	351.5	291.6	245.2	179.4	136.4	95.7
	152	x	19	5806.44	44.0	14.07	1829.0	1538.8	1193.4	879.1	645.7	483.4	371.0	291.8	234.6	192.3	160.3	115.9	87.6	61.1
	203	x	16	6451.6	58.7	10.53	2032.3	1866.8	1618.1	1326.0	1056.0	835.8	665.9	537.1	439.4	364.5	306.4	224.2	170.5	119.7
	203	x	19	7741.92	58.7	10.56	2438.7	2240.2	1941.7	1591.2	1267.2	1003.0	799.1	644.5	527.3	437.5	367.7	269.1	204.6	143.6
	254	x		9677.4	73.3	8.44	3048.4	2905.9	2666.6	2340.8	1988.9	1659.6	1376.3	1143.4	955.8	805.7	685.3	509.4	391.1	276.7
	203	x	25	10322.56	58.7	10.61	3251.6	2986.9	2588.9	2121.5	1689.7	1337.3	1065.5	859.4	703.0	583.3	490.3	358.7	272.8	191.5
	254	x		12903.2	73.3	8.49	4064.5	3874.5	3555.4	3121.1	2651.9	2212.8	1835.1	1524.5	1274.4	1074.2	913.8	679.2	521.4	368.9
	279	x		14193.52	80.7	7.72	4471.0	4307.1	4022.6	3616.1	3151.1	2690.5	2274.4	1918.3	1622.3	1379.7	1181.7	886.5	684.6	486.8
	305	x		15483.84	88.0	7.07	4877.4	4734.5	4480.4	4103.6	3651.9	3182.3	2738.6	2344.1	2006.0	1721.9	1485.4	1125.8	874.9	625.7
	254	x	32	16129	73.3	8.53	5080.6	4843.1	4444.3	3901.4	3314.9	2766.0	2293.9	1905.7	1593.0	1342.8	1142.2	848.9	651.8	461.1
	330	x	25	16774.16	95.3	6.53	5283.9	5158.1	4930.4	4582.7	4149.9	3681.2	3220.1	2795.4	2420.2	2097.2	1822.9	1396.5	1092.9	786.6
	356	x		18064.48	102.7	6.06	5690.3	5578.7	5373.8	5053.7	4642.8	4182.1	3712.7	3265.9	2859.7	2501.4	2191.0	1697.6	1338.5	970.1
	305	x	32	19354.8	88.0	7.11	6096.8	5918.2	5600.5	5129.5	4564.8	3977.9	3423.3	2930.2	2507.5	2152.4	1856.8	1407.2	1093.6	782.1
	406	x	25	20645.12	117.3	5.30	6503.2	6413.4	6245.3	5973.9	5609.4	5177.9	4712.1	4243.1	3794.0	3379.3	3005.7	2384.3	1910.5	1406.1
	356	x	32	22580.6	102.7	6.09	7112.9	6973.4	6717.2	6317.1	5803.6	5227.6	4640.9	4082.3	3574.6	3126.7	2738.7	2122.0	1673.2	1212.6
	406	x		25806.4	117.3	5.33	8129.0	8016.8	7806.6	7467.4	7011.8	6472.3	5890.2	5303.9	4742.5	4224.1	3757.2	2980.3	2388.1	1757.6
	450	x		28575	129.9	4.82	9001.1	8906.2	8726.4	8430.7	8022.6	7522.7	6962.2	6375.1	5791.2	5232.7	4713.4	3815.4	3102.4	2316.8





Table 3.5a  
(metric)



## SIN Beam Axial Capacity

Metric

Depth of Web $h_w$ (mm)	Flange			Area (mm <sup>2</sup> )	$r_y$ (mm)	$r_x/r_y$	Factored Compressive Resistance $C_r$ (kN)													
	Width $b_f$ (mm)	Thickness $t_f$ (mm)					Effective length (mm) with respect to least radius of gyration ( $r_y$ )													
							0	2000	3000	4000	5000	6000	7000	8000	9000	10000	11000	13000	15000	18000
<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>	<i>g</i>	<i>h</i>	<i>i</i>	<i>j</i>	<i>k</i>	<i>l</i>	<i>m</i>	<i>n</i>	<i>o</i>	<i>p</i>	<i>q</i>	<i>r</i>	<i>s</i>	<i>t</i>	<i>t2</i>
1500	127	x	6	1612.9	36.7	20.54	508.1	390.1	276.6	190.6	134.3	98.0	74.1	57.7	46.1	37.6	31.3	22.5	17.0	11.8
	152	x		1935.48	44.0	17.12	609.7	512.9	397.8	293.0	215.2	161.1	123.7	97.3	78.2	64.1	53.4	38.6	29.2	20.4
	152	x	8	2419.35	44.0	17.14	762.1	641.2	497.2	366.3	269.1	201.4	154.6	121.6	97.8	80.1	66.8	48.3	36.5	25.5
	152	x	10	2903.22	44.0	17.16	914.5	769.4	596.7	439.5	322.9	241.7	185.5	145.9	117.3	96.2	80.1	58.0	43.8	30.6
	178	x		3387.09	51.3	14.71	1066.9	947.6	784.1	612.4	469.0	360.9	282.0	224.4	181.9	149.9	125.4	91.2	69.1	48.3
	152	x	13	3870.96	44.0	17.19	1219.4	1025.9	795.6	586.0	430.5	322.3	247.4	194.6	156.4	128.2	106.8	77.3	58.4	40.8
	178	x		4516.12	51.3	14.74	1422.6	1263.4	1045.5	816.5	625.3	481.2	376.0	299.2	242.5	199.9	167.2	121.6	92.1	64.5
	203	x		5161.28	58.7	12.89	1625.8	1493.5	1294.5	1060.8	844.8	668.7	532.7	429.7	351.5	291.6	245.2	179.4	136.4	95.7
	152	x	19	5806.44	44.0	17.26	1829.0	1538.8	1193.4	879.1	645.7	483.4	371.0	291.8	234.6	192.3	160.3	115.9	87.6	61.1
	203	x	16	6451.6	58.7	12.92	2032.3	1866.8	1618.1	1326.0	1056.0	835.8	665.9	537.1	439.4	364.5	306.4	224.2	170.5	119.7
	203	x	19	7741.92	58.7	12.95	2438.7	2240.2	1941.7	1591.2	1267.2	1003.0	799.1	644.5	527.3	437.5	367.7	269.1	204.6	143.6
	254	x		9677.4	73.3	10.36	3048.4	2905.9	2666.6	2340.8	1988.9	1659.6	1376.3	1143.4	955.8	805.7	685.3	509.4	391.1	276.7
	203	x	25	10322.56	58.7	13.00	3251.6	2986.9	2588.9	2121.5	1689.7	1337.3	1065.5	859.4	703.0	583.3	490.3	358.7	272.8	191.5
	254	x		12903.2	73.3	10.40	4064.5	3874.5	3555.4	3121.1	2651.9	2212.8	1835.1	1524.5	1274.4	1074.2	913.8	679.2	521.4	368.9
	279	x		14193.52	80.7	9.46	4471.0	4307.1	4022.6	3616.1	3151.1	2690.5	2274.4	1918.3	1622.3	1379.7	1181.7	886.5	684.6	486.8
	305	x		15483.84	88.0	8.67	4877.4	4734.5	4480.4	4103.6	3651.9	3182.3	2738.6	2344.1	2006.0	1721.9	1485.4	1125.8	874.9	625.7
	254	x	32	16129	73.3	10.45	5080.6	4843.1	4444.3	3901.4	3314.9	2766.0	2293.9	1905.7	1593.0	1342.8	1142.2	848.9	651.8	461.1
	330	x	25	16774.16	95.3	8.00	5283.9	5158.1	4930.4	4582.7	4149.9	3681.2	3220.1	2795.4	2420.2	2097.2	1822.9	1396.5	1092.9	786.6
	356	x		18064.48	102.7	7.43	5690.3	5578.7	5373.8	5053.7	4642.8	4182.1	3712.7	3265.9	2859.7	2501.4	2191.0	1697.6	1338.5	970.1
	305	x	32	19354.8	88.0	8.70	6096.8	5918.2	5600.5	5129.5	4564.8	3977.9	3423.3	2930.2	2507.5	2152.4	1856.8	1407.2	1093.6	782.1
	406	x	25	20645.12	117.3	6.50	6503.2	6413.4	6245.3	5973.9	5609.4	5177.9	4712.1	4243.1	3794.0	3379.3	3005.7	2384.3	1910.5	1406.1
	356	x	32	22580.6	102.7	7.46	7112.9	6973.4	6717.2	6317.1	5803.6	5227.6	4640.9	4082.3	3574.6	3126.7	2738.7	2122.0	1673.2	1212.6
	406	x		25806.4	117.3	6.53	8129.0	8016.8	7806.6	7467.4	7011.8	6472.3	5890.2	5303.9	4742.5	4224.1	3757.2	2980.3	2388.1	1757.6
	450	x		28575	129.9	5.90	9001.1	8906.2	8726.4	8430.7	8022.6	7522.7	6962.2	6375.1	5791.2	5232.7	4713.4	3815.4	3102.4	2316.8

