

Table 3.5b
(Imperial)



SIN Beam Axial Capacity

Imperial

Designation	Depth of Web h_w (in)	Flange			Area (in ²)	r_y (in)	r_x/r_y	Factored Compressive Resistance V_r (kip)													
		Width b_f (in)	Thickness t_f (in)	Effective length (ft) with respect to least radius of gyration (r_y)																	
				0				5	10	15	20	25	30	35	40	45	50	55	60	65	
size	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r	s	t	u
WT_333/127x6	13.1	5.0	x	1/4	2.50	1.44	4.63	114.2	99.4	61.1	34.9	21.4	14.2	10.1	7.5	5.7	4.6	3.7	3.1	2.6	2.2
WT_333/152x6		6.0	x		3.00	1.73	3.86	137.1	125.5	88.2	55.1	35.3	23.9	17.1	12.7	9.8	7.8	6.4	5.3	4.4	3.8
WT_333/152x8		6.0	x	5/16	3.75	1.73	3.88	171.3	156.8	110.2	68.9	44.1	29.9	21.3	15.9	12.3	9.8	8.0	6.6	5.5	4.7
WT_333/152x10		6.0	x	3/8	4.50	1.73	3.89	205.6	188.2	132.3	82.7	52.9	35.8	25.6	19.1	14.8	11.7	9.5	7.9	6.7	5.7
WT_333/178x10		7.0	x		5.25	2.02	3.34	239.9	226.0	174.4	118.2	79.2	54.9	39.7	29.9	23.2	18.5	15.1	12.5	10.5	9.0
WT_333/152x13		6.0	x	1/2	6.00	1.73	3.93	274.1	250.9	176.4	110.3	70.6	47.8	34.1	25.5	19.7	15.6	12.7	10.5	8.9	7.6
WT_333/178x13		7.0	x		7.00	2.02	3.37	319.8	301.3	232.5	157.7	105.6	73.2	53.0	39.8	30.9	24.6	20.1	16.7	14.0	12.0
WT_333/203x13		8.0	x		8.00	2.31	2.95	365.5	350.4	288.5	209.7	147.0	104.7	76.9	58.3	45.5	36.4	29.7	24.7	20.9	17.8
WT_333/152x19		6.0	x	3/4	9.00	1.73	4.00	411.2	376.4	264.6	165.4	105.8	71.7	51.2	38.2	29.5	23.5	19.1	15.8	13.3	11.4
WT_333/203x16		8.0	x	5/8	10.00	2.31	2.97	456.9	438.0	360.7	262.2	183.8	130.8	96.1	72.9	56.9	45.5	37.2	30.9	26.1	22.3
WT_333/203x19		8.0	x	3/4	12.00	2.31	3.00	548.2	525.6	432.8	314.6	220.5	157.0	115.3	87.5	68.3	54.6	44.6	37.1	31.3	26.8
WT_333/254x19		10.0	x		15.00	2.89	2.40	685.3	669.4	596.3	480.9	366.5	275.7	209.5	162.4	128.6	103.8	85.3	71.3	60.3	51.7
WT_333/203x25		8.0	x	1	16.00	2.31	3.06	731.0	700.8	577.1	419.5	294.0	209.3	153.7	116.6	91.0	72.8	59.5	49.5	41.7	35.7
WT_333/254x25		10.0	x		20.00	2.89	2.45	913.7	892.5	795.1	641.2	488.7	367.5	279.4	216.5	171.4	138.4	113.8	95.0	80.4	68.9
WT_333/279x25		11.0	x		22.00	3.18	2.22	1005.1	986.9	900.5	753.8	595.4	460.0	356.2	279.4	223.0	181.1	149.5	125.2	106.2	91.1
WT_333/305x25		12.0	x		24.00	3.46	2.04	1096.5	1080.7	1003.7	865.6	705.5	559.2	441.1	350.5	282.2	230.6	191.1	160.6	136.5	117.4
WT_333/254x32		10.0	x	1 1/4	25.00	2.89	2.49	1142.2	1115.7	993.8	801.5	610.8	459.4	349.2	270.7	214.3	173.0	142.2	118.8	100.6	86.2
WT_333/330x25		13.0	x	1	26.00	3.75	1.88	1187.9	1174.0	1105.2	976.2	817.4	663.5	532.9	429.1	348.8	286.9	238.9	201.4	171.7	147.9
WT_333/356x25		14.0	x		28.00	4.04	1.75	1279.2	1267.0	1205.2	1085.2	930.0	771.5	630.6	514.6	422.3	349.8	292.8	247.8	211.9	182.9
WT_333/305x32		12.0	x	1 1/4	30.00	3.46	2.08	1370.6	1350.9	1254.7	1082.1	881.8	699.0	551.3	438.1	352.8	288.2	238.9	200.7	170.7	146.7
WT_333/406x25		16.0	x	1	32.00	4.62	1.53	1462.0	1452.2	1401.6	1298.4	1154.2	993.7	839.0	702.5	588.1	494.4	418.6	357.3	307.5	266.7
WT_333/356x32		14.0	x	1 1/4	35.00	4.04	1.78	1599.0	1583.7	1506.5	1356.5	1162.5	964.3	788.3	643.2	527.8	437.2	366.0	309.8	264.9	228.6
WT_333/406x32		16.0	x		40.00	4.62	1.56	1827.5	1815.2	1752.0	1623.0	1442.7	1242.1	1048.7	878.2	735.1	618.0	523.3	446.6	384.3	333.4
WT_333/450x32		17.7	x		44.29	5.11	1.41	2023.5	2013.2	1959.2	1845.7	1679.5	1483.6	1283.4	1097.3	934.1	795.8	680.7	585.6	507.1	442.1



Table 3.5b
(Imperial)



SIN Beam Axial Capacity

Imperial

Designation <i>size</i>	Depth of Web h_w (in) <i>a</i>	Flange			Area (in ²) <i>e</i>	r_y (in) <i>f</i>	r_x/r_y <i>g</i>	Factored Compressive Resistance V_r (kip)													
		Width b_f (in) <i>b</i>	Thickness t_f (in) <i>d</i>					Effective length (ft) with respect to least radius of gyration (r_y)													
								0	5	10	15	20	25	30	35	40	45	50	55	60	65
		<i>c</i>	<i>d</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>u</i>	
WT_440/127x6	17.3	5.0	x	1/4	2.50	1.44	6.09	114.2	99.4	61.1	34.9	21.4	14.2	10.1	7.5	5.7	4.6	3.7	3.1	2.6	2.2
WT_440/152x6		6.0	x		3.00	1.73	5.07	137.1	125.5	88.2	55.1	35.3	23.9	17.1	12.7	9.8	7.8	6.4	5.3	4.4	3.8
WT_440/152x8		6.0	x	5/16	3.75	1.73	5.09	171.3	156.8	110.2	68.9	44.1	29.9	21.3	15.9	12.3	9.8	8.0	6.6	5.5	4.7
WT_440/152x10		6.0	x	3/8	4.50	1.73	5.11	205.6	188.2	132.3	82.7	52.9	35.8	25.6	19.1	14.8	11.7	9.5	7.9	6.7	5.7
WT_440/178x10		7.0	x		5.25	2.02	4.38	239.9	226.0	174.4	118.2	79.2	54.9	39.7	29.9	23.2	18.5	15.1	12.5	10.5	9.0
WT_440/152x13		6.0	x	1/2	6.00	1.73	5.15	274.1	250.9	176.4	110.3	70.6	47.8	34.1	25.5	19.7	15.6	12.7	10.5	8.9	7.6
WT_440/178x13		7.0	x		7.00	2.02	4.41	319.8	301.3	232.5	157.7	105.6	73.2	53.0	39.8	30.9	24.6	20.1	16.7	14.0	12.0
WT_440/203x13		8.0	x		8.00	2.31	3.86	365.5	350.4	288.5	209.7	147.0	104.7	76.9	58.3	45.5	36.4	29.7	24.7	20.9	17.8
WT_440/152x19		6.0	x	3/4	9.00	1.73	5.22	411.2	376.4	264.6	165.4	105.8	71.7	51.2	38.2	29.5	23.5	19.1	15.8	13.3	11.4
WT_440/203x16		8.0	x	5/8	10.00	2.31	3.89	456.9	438.0	360.7	262.2	183.8	130.8	96.1	72.9	56.9	45.5	37.2	30.9	26.1	22.3
WT_440/203x19		8.0	x	3/4	12.00	2.31	3.91	548.2	525.6	432.8	314.6	220.5	157.0	115.3	87.5	68.3	54.6	44.6	37.1	31.3	26.8
WT_440/254x19		10.0	x		15.00	2.89	3.13	685.3	669.4	596.3	480.9	366.5	275.7	209.5	162.4	128.6	103.8	85.3	71.3	60.3	51.7
WT_440/203x25		8.0	x	1	16.00	2.31	3.97	731.0	700.8	577.1	419.5	294.0	209.3	153.7	116.6	91.0	72.8	59.5	49.5	41.7	35.7
WT_440/254x25		10.0	x		20.00	2.89	3.18	913.7	892.5	795.1	641.2	488.7	367.5	279.4	216.5	171.4	138.4	113.8	95.0	80.4	68.9
WT_440/279x25		11.0	x		22.00	3.18	2.89	1005.1	986.9	900.5	753.8	595.4	460.0	356.2	279.4	223.0	181.1	149.5	125.2	106.2	91.1
WT_440/305x25		12.0	x		24.00	3.46	2.65	1096.5	1080.7	1003.7	865.6	705.5	559.2	441.1	350.5	282.2	230.6	191.1	160.6	136.5	117.4
WT_440/254x32		10.0	x	1 1/4	25.00	2.89	3.22	1142.2	1115.7	993.8	801.5	610.8	459.4	349.2	270.7	214.3	173.0	142.2	118.8	100.6	86.2
WT_440/330x25		13.0	x	1	26.00	3.75	2.44	1187.9	1174.0	1105.2	976.2	817.4	663.5	532.9	429.1	348.8	286.9	238.9	201.4	171.7	147.9
WT_440/356x25		14.0	x		28.00	4.04	2.27	1279.2	1267.0	1205.2	1085.2	930.0	771.5	630.6	514.6	422.3	349.8	292.8	247.8	211.9	182.9
WT_440/305x32		12.0	x	1 1/4	30.00	3.46	2.68	1370.6	1350.9	1254.7	1082.1	881.8	699.0	551.3	438.1	352.8	288.2	238.9	200.7	170.7	146.7
WT_440/406x25		16.0	x	1	32.00	4.62	1.98	1462.0	1452.2	1401.6	1298.4	1154.2	993.7	839.0	702.5	588.1	494.4	418.6	357.3	307.5	266.7
WT_440/356x32		14.0	x	1 1/4	35.00	4.04	2.30	1599.0	1583.7	1506.5	1356.5	1162.5	964.3	788.3	643.2	527.8	437.2	366.0	309.8	264.9	228.6
WT_440/406x32		16.0	x		40.00	4.62	2.01	1827.5	1815.2	1752.0	1623.0	1442.7	1242.1	1048.7	878.2	735.1	618.0	523.3	446.6	384.3	333.4
WT_440/450x32		17.7	x		44.29	5.11	1.82	2023.5	2013.2	1959.2	1845.7	1679.5	1483.6	1283.4	1097.3	934.1	795.8	680.7	585.6	507.1	442.1



Table 3.5b
(Imperial)



SIN Beam Axial Capacity

Imperial

Designation	Depth of Web h_w (in)	Flange			Area (in ²)	r_y (in)	r_x/r_y	Factored Compressive Resistance V_r (kip)													
		Width b_f (in)	Thickness t_f (in)	Effective length (ft) with respect to least radius of gyration (r_y)																	
				0				5	10	15	20	25	30	35	40	45	50	55	60	65	
size	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r	s	t	u
WT_500/127x6	19.7	5.0	x	1/4	2.50	1.44	6.91	114.2	99.4	61.1	34.9	21.4	14.2	10.1	7.5	5.7	4.6	3.7	3.1	2.6	2.2
WT_500/152x6		6.0	x		3.00	1.73	5.75	137.1	125.5	88.2	55.1	35.3	23.9	17.1	12.7	9.8	7.8	6.4	5.3	4.4	3.8
WT_500/152x8		6.0	x	5/16	3.75	1.73	5.77	171.3	156.8	110.2	68.9	44.1	29.9	21.3	15.9	12.3	9.8	8.0	6.6	5.5	4.7
WT_500/152x10		6.0	x	3/8	4.50	1.73	5.79	205.6	188.2	132.3	82.7	52.9	35.8	25.6	19.1	14.8	11.7	9.5	7.9	6.7	5.7
WT_500/178x10		7.0	x		5.25	2.02	4.96	239.9	226.0	174.4	118.2	79.2	54.9	39.7	29.9	23.2	18.5	15.1	12.5	10.5	9.0
WT_500/152x13		6.0	x	1/2	6.00	1.73	5.83	274.1	250.9	176.4	110.3	70.6	47.8	34.1	25.5	19.7	15.6	12.7	10.5	8.9	7.6
WT_500/178x13		7.0	x		7.00	2.02	5.00	319.8	301.3	232.5	157.7	105.6	73.2	53.0	39.8	30.9	24.6	20.1	16.7	14.0	12.0
WT_500/203x13		8.0	x		8.00	2.31	4.37	365.5	350.4	288.5	209.7	147.0	104.7	76.9	58.3	45.5	36.4	29.7	24.7	20.9	17.8
WT_500/152x19		6.0	x	3/4	9.00	1.73	5.90	411.2	376.4	264.6	165.4	105.8	71.7	51.2	38.2	29.5	23.5	19.1	15.8	13.3	11.4
WT_500/203x16		8.0	x	5/8	10.00	2.31	4.40	456.9	438.0	360.7	262.2	183.8	130.8	96.1	72.9	56.9	45.5	37.2	30.9	26.1	22.3
WT_500/203x19		8.0	x	3/4	12.00	2.31	4.43	548.2	525.6	432.8	314.6	220.5	157.0	115.3	87.5	68.3	54.6	44.6	37.1	31.3	26.8
WT_500/254x19		10.0	x		15.00	2.89	3.54	685.3	669.4	596.3	480.9	366.5	275.7	209.5	162.4	128.6	103.8	85.3	71.3	60.3	51.7
WT_500/203x25		8.0	x	1	16.00	2.31	4.48	731.0	700.8	577.1	419.5	294.0	209.3	153.7	116.6	91.0	72.8	59.5	49.5	41.7	35.7
WT_500/254x25		10.0	x		20.00	2.89	3.58	913.7	892.5	795.1	641.2	488.7	367.5	279.4	216.5	171.4	138.4	113.8	95.0	80.4	68.9
WT_500/279x25		11.0	x		22.00	3.18	3.26	1005.1	986.9	900.5	753.8	595.4	460.0	356.2	279.4	223.0	181.1	149.5	125.2	106.2	91.1
WT_500/305x25		12.0	x		24.00	3.46	2.99	1096.5	1080.7	1003.7	865.6	705.5	559.2	441.1	350.5	282.2	230.6	191.1	160.6	136.5	117.4
WT_500/254x32		10.0	x	1 1/4	25.00	2.89	3.63	1142.2	1115.7	993.8	801.5	610.8	459.4	349.2	270.7	214.3	173.0	142.2	118.8	100.6	86.2
WT_500/330x25		13.0	x	1	26.00	3.75	2.76	1187.9	1174.0	1105.2	976.2	817.4	663.5	532.9	429.1	348.8	286.9	238.9	201.4	171.7	147.9
WT_500/356x25		14.0	x		28.00	4.04	2.56	1279.2	1267.0	1205.2	1085.2	930.0	771.5	630.6	514.6	422.3	349.8	292.8	247.8	211.9	182.9
WT_500/305x32		12.0	x	1 1/4	30.00	3.46	3.02	1370.6	1350.9	1254.7	1082.1	881.8	699.0	551.3	438.1	352.8	288.2	238.9	200.7	170.7	146.7
WT_500/406x25		16.0	x	1	32.00	4.62	2.24	1462.0	1452.2	1401.6	1298.4	1154.2	993.7	839.0	702.5	588.1	494.4	418.6	357.3	307.5	266.7
WT_500/356x32		14.0	x	1 1/4	35.00	4.04	2.59	1599.0	1583.7	1506.5	1356.5	1162.5	964.3	788.3	643.2	527.8	437.2	366.0	309.8	264.9	228.6
WT_500/406x32		16.0	x		40.00	4.62	2.27	1827.5	1815.2	1752.0	1623.0	1442.7	1242.1	1048.7	878.2	735.1	618.0	523.3	446.6	384.3	333.4
WT_500/450x32		17.7	x		44.29	5.11	2.05	2023.5	2013.2	1959.2	1845.7	1679.5	1483.6	1283.4	1097.3	934.1	795.8	680.7	585.6	507.1	442.1





SIN Beam Axial Capacity

Imperial

Designation <i>size</i>	Depth of Web h_w (in) <i>a</i>	Flange			Area (in ²) <i>e</i>	r_y (in) <i>f</i>	r_x/r_y <i>g</i>	Factored Compressive Resistance V_r (kip)																											
		Width b_f (in) <i>b</i>	Thickness t_f (in) <i>d</i>	Area (in ²) <i>c</i>				Effective length (ft) with respect to least radius of gyration (r_y)																											
								0	5	10	15	20	25	30	35	40	45	50	55	60	65														
																						<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>u</i>
WT_610/127x6	24.0	5.0	x	1/4	2.50	1.44	8.40	114.2	99.4	61.1	34.9	21.4	14.2	10.1	7.5	5.7	4.6	3.7	3.1	2.6	2.2														
WT_610/152x6		6.0	x		3.00	1.73	7.00	137.1	125.5	88.2	55.1	35.3	23.9	17.1	12.7	9.8	7.8	6.4	5.3	4.4	3.8														
WT_610/152x8		6.0	x	5/16	3.75	1.73	7.02	171.3	156.8	110.2	68.9	44.1	29.9	21.3	15.9	12.3	9.8	8.0	6.6	5.5	4.7														
WT_610/152x10		6.0	x	3/8	4.50	1.73	7.04	205.6	188.2	132.3	82.7	52.9	35.8	25.6	19.1	14.8	11.7	9.5	7.9	6.7	5.7														
WT_610/178x10		7.0	x		5.25	2.02	6.03	239.9	226.0	174.4	118.2	79.2	54.9	39.7	29.9	23.2	18.5	15.1	12.5	10.5	9.0														
WT_610/152x13		6.0	x	1/2	6.00	1.73	7.07	274.1	250.9	176.4	110.3	70.6	47.8	34.1	25.5	19.7	15.6	12.7	10.5	8.9	7.6														
WT_610/178x13		7.0	x		7.00	2.02	6.06	319.8	301.3	232.5	157.7	105.6	73.2	53.0	39.8	30.9	24.6	20.1	16.7	14.0	12.0														
WT_610/203x13		8.0	x		8.00	2.31	5.30	365.5	350.4	288.5	209.7	147.0	104.7	76.9	58.3	45.5	36.4	29.7	24.7	20.9	17.8														
WT_610/152x19		6.0	x	3/4	9.00	1.73	7.15	411.2	376.4	264.6	165.4	105.8	71.7	51.2	38.2	29.5	23.5	19.1	15.8	13.3	11.4														
WT_610/203x16		8.0	x	5/8	10.00	2.31	5.33	456.9	438.0	360.7	262.2	183.8	130.8	96.1	72.9	56.9	45.5	37.2	30.9	26.1	22.3														
WT_610/203x19		8.0	x	3/4	12.00	2.31	5.36	548.2	525.6	432.8	314.6	220.5	157.0	115.3	87.5	68.3	54.6	44.6	37.1	31.3	26.8														
WT_610/254x19		10.0	x		15.00	2.89	4.29	685.3	669.4	596.3	480.9	366.5	275.7	209.5	162.4	128.6	103.8	85.3	71.3	60.3	51.7														
WT_610/203x25		8.0	x	1	16.00	2.31	5.41	731.0	700.8	577.1	419.5	294.0	209.3	153.7	116.6	91.0	72.8	59.5	49.5	41.7	35.7														
WT_610/254x25		10.0	x		20.00	2.89	4.33	913.7	892.5	795.1	641.2	488.7	367.5	279.4	216.5	171.4	138.4	113.8	95.0	80.4	68.9														
WT_610/279x25		11.0	x		22.00	3.18	3.94	1005.1	986.9	900.5	753.8	595.4	460.0	356.2	279.4	223.0	181.1	149.5	125.2	106.2	91.1														
WT_610/305x25		12.0	x		24.00	3.46	3.61	1096.5	1080.7	1003.7	865.6	705.5	559.2	441.1	350.5	282.2	230.6	191.1	160.6	136.5	117.4														
WT_610/254x32		10.0	x	1 1/4	25.00	2.89	4.38	1142.2	1115.7	993.8	801.5	610.8	459.4	349.2	270.7	214.3	173.0	142.2	118.8	100.6	86.2														
WT_610/330x25		13.0	x	1	26.00	3.75	3.33	1187.9	1174.0	1105.2	976.2	817.4	663.5	532.9	429.1	348.8	286.9	238.9	201.4	171.7	147.9														
WT_610/356x25		14.0	x		28.00	4.04	3.09	1279.2	1267.0	1205.2	1085.2	930.0	771.5	630.6	514.6	422.3	349.8	292.8	247.8	211.9	182.9														
WT_610/305x32		12.0	x	1 1/4	30.00	3.46	3.65	1370.6	1350.9	1254.7	1082.1	881.8	699.0	551.3	438.1	352.8	288.2	238.9	200.7	170.7	146.7														
WT_610/406x25		16.0	x	1	32.00	4.62	2.71	1462.0	1452.2	1401.6	1298.4	1154.2	993.7	839.0	702.5	588.1	494.4	418.6	357.3	307.5	266.7														
WT_610/356x32		14.0	x	1 1/4	35.00	4.04	3.13	1599.0	1583.7	1506.5	1356.5	1162.5	964.3	788.3	643.2	527.8	437.2	366.0	309.8	264.9	228.6														
WT_610/406x32		16.0	x		40.00	4.62	2.73	1827.5	1815.2	1752.0	1623.0	1442.7	1242.1	1048.7	878.2	735.1	618.0	523.3	446.6	384.3	333.4														
WT_610/450x32		17.7	x		44.29	5.11	2.47	2023.5	2013.2	1959.2	1845.7	1679.5	1483.6	1283.4	1097.3	934.1	795.8	680.7	585.6	507.1	442.1														



Table 3.5b
(Imperial)



SIN Beam Axial Capacity

Imperial

Designation <i>size</i>	Depth of Web h_w (in) <i>a</i>	Flange			Area (in ²) <i>e</i>	r_y (in) <i>f</i>	r_x/r_y <i>g</i>	Factored Compressive Resistance V_r (kip)													
		Width b_f (in) <i>b</i>	Thickness t_f (in) <i>d</i>	Area (in ²) <i>c</i>				Effective length (ft) with respect to least radius of gyration (r_y)													
								0	5	10	15	20	25	30	35	40	45	50	55	60	65
		<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>u</i>
WT_750/127x6	29.5	5.0	x	1/4	2.50	1.44	10.32	114.2	99.4	61.1	34.9	21.4	14.2	10.1	7.5	5.7	4.6	3.7	3.1	2.6	2.2
WT_750/152x6		6.0	x		3.00	1.73	8.60	137.1	125.5	88.2	55.1	35.3	23.9	17.1	12.7	9.8	7.8	6.4	5.3	4.4	3.8
WT_750/152x8		6.0	x	5/16	3.75	1.73	8.61	171.3	156.8	110.2	68.9	44.1	29.9	21.3	15.9	12.3	9.8	8.0	6.6	5.5	4.7
WT_750/152x10		6.0	x	3/8	4.50	1.73	8.63	205.6	188.2	132.3	82.7	52.9	35.8	25.6	19.1	14.8	11.7	9.5	7.9	6.7	5.7
WT_750/178x10		7.0	x		5.25	2.02	7.40	239.9	226.0	174.4	118.2	79.2	54.9	39.7	29.9	23.2	18.5	15.1	12.5	10.5	9.0
WT_750/152x13		6.0	x	1/2	6.00	1.73	8.67	274.1	250.9	176.4	110.3	70.6	47.8	34.1	25.5	19.7	15.6	12.7	10.5	8.9	7.6
WT_750/178x13		7.0	x		7.00	2.02	7.43	319.8	301.3	232.5	157.7	105.6	73.2	53.0	39.8	30.9	24.6	20.1	16.7	14.0	12.0
WT_750/203x13		8.0	x		8.00	2.31	6.50	365.5	350.4	288.5	209.7	147.0	104.7	76.9	58.3	45.5	36.4	29.7	24.7	20.9	17.8
WT_750/152x19		6.0	x	3/4	9.00	1.73	8.74	411.2	376.4	264.6	165.4	105.8	71.7	51.2	38.2	29.5	23.5	19.1	15.8	13.3	11.4
WT_750/203x16		8.0	x	5/8	10.00	2.31	6.53	456.9	438.0	360.7	262.2	183.8	130.8	96.1	72.9	56.9	45.5	37.2	30.9	26.1	22.3
WT_750/203x19		8.0	x	3/4	12.00	2.31	6.56	548.2	525.6	432.8	314.6	220.5	157.0	115.3	87.5	68.3	54.6	44.6	37.1	31.3	26.8
WT_750/254x19		10.0	x		15.00	2.89	5.24	685.3	669.4	596.3	480.9	366.5	275.7	209.5	162.4	128.6	103.8	85.3	71.3	60.3	51.7
WT_750/203x25		8.0	x	1	16.00	2.31	6.61	731.0	700.8	577.1	419.5	294.0	209.3	153.7	116.6	91.0	72.8	59.5	49.5	41.7	35.7
WT_750/254x25		10.0	x		20.00	2.89	5.29	913.7	892.5	795.1	641.2	488.7	367.5	279.4	216.5	171.4	138.4	113.8	95.0	80.4	68.9
WT_750/279x25		11.0	x		22.00	3.18	4.81	1005.1	986.9	900.5	753.8	595.4	460.0	356.2	279.4	223.0	181.1	149.5	125.2	106.2	91.1
WT_750/305x25		12.0	x		24.00	3.46	4.41	1096.5	1080.7	1003.7	865.6	705.5	559.2	441.1	350.5	282.2	230.6	191.1	160.6	136.5	117.4
WT_750/254x32		10.0	x	1 1/4	25.00	2.89	5.33	1142.2	1115.7	993.8	801.5	610.8	459.4	349.2	270.7	214.3	173.0	142.2	118.8	100.6	86.2
WT_750/330x25		13.0	x	1	26.00	3.75	4.07	1187.9	1174.0	1105.2	976.2	817.4	663.5	532.9	429.1	348.8	286.9	238.9	201.4	171.7	147.9
WT_750/356x25		14.0	x		28.00	4.04	3.78	1279.2	1267.0	1205.2	1085.2	930.0	771.5	630.6	514.6	422.3	349.8	292.8	247.8	211.9	182.9
WT_750/305x32		12.0	x	1 1/4	30.00	3.46	4.44	1370.6	1350.9	1254.7	1082.1	881.8	699.0	551.3	438.1	352.8	288.2	238.9	200.7	170.7	146.7
WT_750/406x25		16.0	x	1	32.00	4.62	3.31	1462.0	1452.2	1401.6	1298.4	1154.2	993.7	839.0	702.5	588.1	494.4	418.6	357.3	307.5	266.7
WT_750/356x32		14.0	x	1 1/4	35.00	4.04	3.81	1599.0	1583.7	1506.5	1356.5	1162.5	964.3	788.3	643.2	527.8	437.2	366.0	309.8	264.9	228.6
WT_750/406x32		16.0	x		40.00	4.62	3.33	1827.5	1815.2	1752.0	1623.0	1442.7	1242.1	1048.7	878.2	735.1	618.0	523.3	446.6	384.3	333.4
WT_750/450x32		17.7	x		44.29	5.11	3.01	2023.5	2013.2	1959.2	1845.7	1679.5	1483.6	1283.4	1097.3	934.1	795.8	680.7	585.6	507.1	442.1



Table 3.5b
(Imperial)



SIN Beam Axial Capacity

Imperial

Designation <i>size</i>	Depth of Web h_w (in) <i>a</i>	Flange			Area (in ²) <i>e</i>	r_y (in) <i>f</i>	r_x/r_y <i>g</i>	Factored Compressive Resistance V_r (kip)																											
		Width b_f (in) <i>b</i>	Thickness t_f (in) <i>d</i>	Area (in ²) <i>c</i>				Effective length (ft) with respect to least radius of gyration (r_y)																											
								0	5	10	15	20	25	30	35	40	45	50	55	60	65														
																						<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>u</i>
WT_900/127x6	35.4	5.0	x	1/4	2.50	1.44	12.36	114.2	99.4	61.1	34.9	21.4	14.2	10.1	7.5	5.7	4.6	3.7	3.1	2.6	2.2														
WT_900/152x6		6.0	x		3.00	1.73	10.30	137.1	125.5	88.2	55.1	35.3	23.9	17.1	12.7	9.8	7.8	6.4	5.3	4.4	3.8														
WT_900/152x8		6.0	x	5/16	3.75	1.73	10.32	171.3	156.8	110.2	68.9	44.1	29.9	21.3	15.9	12.3	9.8	8.0	6.6	5.5	4.7														
WT_900/152x10		6.0	x	3/8	4.50	1.73	10.34	205.6	188.2	132.3	82.7	52.9	35.8	25.6	19.1	14.8	11.7	9.5	7.9	6.7	5.7														
WT_900/178x10		7.0	x		5.25	2.02	8.86	239.9	226.0	174.4	118.2	79.2	54.9	39.7	29.9	23.2	18.5	15.1	12.5	10.5	9.0														
WT_900/152x13		6.0	x	1/2	6.00	1.73	10.37	274.1	250.9	176.4	110.3	70.6	47.8	34.1	25.5	19.7	15.6	12.7	10.5	8.9	7.6														
WT_900/178x13		7.0	x		7.00	2.02	8.89	319.8	301.3	232.5	157.7	105.6	73.2	53.0	39.8	30.9	24.6	20.1	16.7	14.0	12.0														
WT_900/203x13		8.0	x		8.00	2.31	7.78	365.5	350.4	288.5	209.7	147.0	104.7	76.9	58.3	45.5	36.4	29.7	24.7	20.9	17.8														
WT_900/152x19		6.0	x	3/4	9.00	1.73	10.45	411.2	376.4	264.6	165.4	105.8	71.7	51.2	38.2	29.5	23.5	19.1	15.8	13.3	11.4														
WT_900/203x16		8.0	x	5/8	10.00	2.31	7.81	456.9	438.0	360.7	262.2	183.8	130.8	96.1	72.9	56.9	45.5	37.2	30.9	26.1	22.3														
WT_900/203x19		8.0	x	3/4	12.00	2.31	7.83	548.2	525.6	432.8	314.6	220.5	157.0	115.3	87.5	68.3	54.6	44.6	37.1	31.3	26.8														
WT_900/254x19		10.0	x		15.00	2.89	6.27	685.3	669.4	596.3	480.9	366.5	275.7	209.5	162.4	128.6	103.8	85.3	71.3	60.3	51.7														
WT_900/203x25		8.0	x	1	16.00	2.31	7.89	731.0	700.8	577.1	419.5	294.0	209.3	153.7	116.6	91.0	72.8	59.5	49.5	41.7	35.7														
WT_900/254x25		10.0	x		20.00	2.89	6.31	913.7	892.5	795.1	641.2	488.7	367.5	279.4	216.5	171.4	138.4	113.8	95.0	80.4	68.9														
WT_900/279x25		11.0	x		22.00	3.18	5.74	1005.1	986.9	900.5	753.8	595.4	460.0	356.2	279.4	223.0	181.1	149.5	125.2	106.2	91.1														
WT_900/305x25		12.0	x		24.00	3.46	5.26	1096.5	1080.7	1003.7	865.6	705.5	559.2	441.1	350.5	282.2	230.6	191.1	160.6	136.5	117.4														
WT_900/254x32		10.0	x	1 1/4	25.00	2.89	6.35	1142.2	1115.7	993.8	801.5	610.8	459.4	349.2	270.7	214.3	173.0	142.2	118.8	100.6	86.2														
WT_900/330x25		13.0	x	1	26.00	3.75	4.85	1187.9	1174.0	1105.2	976.2	817.4	663.5	532.9	429.1	348.8	286.9	238.9	201.4	171.7	147.9														
WT_900/356x25		14.0	x		28.00	4.04	4.51	1279.2	1267.0	1205.2	1085.2	930.0	771.5	630.6	514.6	422.3	349.8	292.8	247.8	211.9	182.9														
WT_900/305x32		12.0	x	1 1/4	30.00	3.46	5.30	1370.6	1350.9	1254.7	1082.1	881.8	699.0	551.3	438.1	352.8	288.2	238.9	200.7	170.7	146.7														
WT_900/406x25		16.0	x	1	32.00	4.62	3.94	1462.0	1452.2	1401.6	1298.4	1154.2	993.7	839.0	702.5	588.1	494.4	418.6	357.3	307.5	266.7														
WT_900/356x32		14.0	x	1 1/4	35.00	4.04	4.54	1599.0	1583.7	1506.5	1356.5	1162.5	964.3	788.3	643.2	527.8	437.2	366.0	309.8	264.9	228.6														
WT_900/406x32		16.0	x		40.00	4.62	3.97	1827.5	1815.2	1752.0	1623.0	1442.7	1242.1	1048.7	878.2	735.1	618.0	523.3	446.6	384.3	333.4														
WT_900/450x32		17.7	x		44.29	5.11	3.59	2023.5	2013.2	1959.2	1845.7	1679.5	1483.6	1283.4	1097.3	934.1	795.8	680.7	585.6	507.1	442.1														



Table 3.5b
(imperial)



SIN Beam Axial Capacity

Imperial

Designation <i>size</i>	Depth of Web h_w (in) <i>a</i>	Flange			Area (in ²) <i>e</i>	r_y (in) <i>f</i>	r_x/r_y <i>g</i>	Factored Compressive Resistance V_r (kip)																											
		Width b_f (in) <i>b</i>	Thickness t_f (in) <i>d</i>	Area (in ²) <i>c</i>				Effective length (ft) with respect to least radius of gyration (r_y)																											
								0	5	10	15	20	25	30	35	40	45	50	55	60	65														
																						<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>u</i>
WT_1000/127x6	39.4	5.0	x	1/4	2.50	1.44	13.72	114.2	99.4	61.1	34.9	21.4	14.2	10.1	7.5	5.7	4.6	3.7	3.1	2.6	2.2														
WT_1000/152x6		6.0	x		3.00	1.73	11.44	137.1	125.5	88.2	55.1	35.3	23.9	17.1	12.7	9.8	7.8	6.4	5.3	4.4	3.8														
WT_1000/152x8		6.0	x	5/16	3.75	1.73	11.46	171.3	156.8	110.2	68.9	44.1	29.9	21.3	15.9	12.3	9.8	8.0	6.6	5.5	4.7														
WT_1000/152x10		6.0	x	3/8	4.50	1.73	11.47	205.6	188.2	132.3	82.7	52.9	35.8	25.6	19.1	14.8	11.7	9.5	7.9	6.7	5.7														
WT_1000/178x10		7.0	x		5.25	2.02	9.83	239.9	226.0	174.4	118.2	79.2	54.9	39.7	29.9	23.2	18.5	15.1	12.5	10.5	9.0														
WT_1000/152x13		6.0	x	1/2	6.00	1.73	11.51	274.1	250.9	176.4	110.3	70.6	47.8	34.1	25.5	19.7	15.6	12.7	10.5	8.9	7.6														
WT_1000/178x13		7.0	x		7.00	2.02	9.87	319.8	301.3	232.5	157.7	105.6	73.2	53.0	39.8	30.9	24.6	20.1	16.7	14.0	12.0														
WT_1000/203x13		8.0	x		8.00	2.31	8.63	365.5	350.4	288.5	209.7	147.0	104.7	76.9	58.3	45.5	36.4	29.7	24.7	20.9	17.8														
WT_1000/152x19		6.0	x	3/4	9.00	1.73	11.58	411.2	376.4	264.6	165.4	105.8	71.7	51.2	38.2	29.5	23.5	19.1	15.8	13.3	11.4														
WT_1000/203x16		8.0	x	5/8	10.00	2.31	8.66	456.9	438.0	360.7	262.2	183.8	130.8	96.1	72.9	56.9	45.5	37.2	30.9	26.1	22.3														
WT_1000/203x19		8.0	x	3/4	12.00	2.31	8.69	548.2	525.6	432.8	314.6	220.5	157.0	115.3	87.5	68.3	54.6	44.6	37.1	31.3	26.8														
WT_1000/254x19		10.0	x		15.00	2.89	6.95	685.3	669.4	596.3	480.9	366.5	275.7	209.5	162.4	128.6	103.8	85.3	71.3	60.3	51.7														
WT_1000/203x25		8.0	x	1	16.00	2.31	8.74	731.0	700.8	577.1	419.5	294.0	209.3	153.7	116.6	91.0	72.8	59.5	49.5	41.7	35.7														
WT_1000/254x25		10.0	x		20.00	2.89	6.99	913.7	892.5	795.1	641.2	488.7	367.5	279.4	216.5	171.4	138.4	113.8	95.0	80.4	68.9														
WT_1000/279x25		11.0	x		22.00	3.18	6.36	1005.1	986.9	900.5	753.8	595.4	460.0	356.2	279.4	223.0	181.1	149.5	125.2	106.2	91.1														
WT_1000/305x25		12.0	x		24.00	3.46	5.83	1096.5	1080.7	1003.7	865.6	705.5	559.2	441.1	350.5	282.2	230.6	191.1	160.6	136.5	117.4														
WT_1000/254x32		10.0	x	1 1/4	25.00	2.89	7.04	1142.2	1115.7	993.8	801.5	610.8	459.4	349.2	270.7	214.3	173.0	142.2	118.8	100.6	86.2														
WT_1000/330x25		13.0	x	1	26.00	3.75	5.38	1187.9	1174.0	1105.2	976.2	817.4	663.5	532.9	429.1	348.8	286.9	238.9	201.4	171.7	147.9														
WT_1000/356x25		14.0	x		28.00	4.04	5.00	1279.2	1267.0	1205.2	1085.2	930.0	771.5	630.6	514.6	422.3	349.8	292.8	247.8	211.9	182.9														
WT_1000/305x32		12.0	x	1 1/4	30.00	3.46	5.86	1370.6	1350.9	1254.7	1082.1	881.8	699.0	551.3	438.1	352.8	288.2	238.9	200.7	170.7	146.7														
WT_1000/406x25		16.0	x	1	32.00	4.62	4.37	1462.0	1452.2	1401.6	1298.4	1154.2	993.7	839.0	702.5	588.1	494.4	418.6	357.3	307.5	266.7														
WT_1000/356x32		14.0	x	1 1/4	35.00	4.04	5.03	1599.0	1583.7	1506.5	1356.5	1162.5	964.3	788.3	643.2	527.8	437.2	366.0	309.8	264.9	228.6														
WT_1000/406x32		16.0	x		40.00	4.62	4.40	1827.5	1815.2	1752.0	1623.0	1442.7	1242.1	1048.7	878.2	735.1	618.0	523.3	446.6	384.3	333.4														
WT_1000/450x32		17.7	x		44.29	5.11	3.97	2023.5	2013.2	1959.2	1845.7	1679.5	1483.6	1283.4	1097.3	934.1	795.8	680.7	585.6	507.1	442.1														



Table 3.5b
(imperial)



SIN Beam Axial Capacity

Imperial

Designation	Depth of Web h_w (in)	Flange			Area (in ²)	r_y (in)	r_x/r_y	Factored Compressive Resistance V_r (kip)													
		Width b_f (in)	Thickness t_f (in)	Effective length (ft) with respect to least radius of gyration (r_y)																	
				0				5	10	15	20	25	30	35	40	45	50	55	60	65	
size	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r	s	t	u
WT_1219/127x6	48.0	5.0	x	1/4	2.50	1.44	16.71	114.2	99.4	61.1	34.9	21.4	14.2	10.1	7.5	5.7	4.6	3.7	3.1	2.6	2.2
WT_1219/152x6		6.0	x		3.00	1.73	13.93	137.1	125.5	88.2	55.1	35.3	23.9	17.1	12.7	9.8	7.8	6.4	5.3	4.4	3.8
WT_1219/152x8		6.0	x	5/16	3.75	1.73	13.95	171.3	156.8	110.2	68.9	44.1	29.9	21.3	15.9	12.3	9.8	8.0	6.6	5.5	4.7
WT_1219/152x10		6.0	x	3/8	4.50	1.73	13.96	205.6	188.2	132.3	82.7	52.9	35.8	25.6	19.1	14.8	11.7	9.5	7.9	6.7	5.7
WT_1219/178x10		7.0	x		5.25	2.02	11.97	239.9	226.0	174.4	118.2	79.2	54.9	39.7	29.9	23.2	18.5	15.1	12.5	10.5	9.0
WT_1219/152x13		6.0	x	1/2	6.00	1.73	14.00	274.1	250.9	176.4	110.3	70.6	47.8	34.1	25.5	19.7	15.6	12.7	10.5	8.9	7.6
WT_1219/178x13		7.0	x		7.00	2.02	12.00	319.8	301.3	232.5	157.7	105.6	73.2	53.0	39.8	30.9	24.6	20.1	16.7	14.0	12.0
WT_1219/203x13		8.0	x		8.00	2.31	10.50	365.5	350.4	288.5	209.7	147.0	104.7	76.9	58.3	45.5	36.4	29.7	24.7	20.9	17.8
WT_1219/152x19		6.0	x	3/4	9.00	1.73	14.07	411.2	376.4	264.6	165.4	105.8	71.7	51.2	38.2	29.5	23.5	19.1	15.8	13.3	11.4
WT_1219/203x16		8.0	x	5/8	10.00	2.31	10.53	456.9	438.0	360.7	262.2	183.8	130.8	96.1	72.9	56.9	45.5	37.2	30.9	26.1	22.3
WT_1219/203x19		8.0	x	3/4	12.00	2.31	10.56	548.2	525.6	432.8	314.6	220.5	157.0	115.3	87.5	68.3	54.6	44.6	37.1	31.3	26.8
WT_1219/254x19		10.0	x		15.00	2.89	8.44	685.3	669.4	596.3	480.9	366.5	275.7	209.5	162.4	128.6	103.8	85.3	71.3	60.3	51.7
WT_1219/203x25		8.0	x	1	16.00	2.31	10.61	731.0	700.8	577.1	419.5	294.0	209.3	153.7	116.6	91.0	72.8	59.5	49.5	41.7	35.7
WT_1219/254x25		10.0	x		20.00	2.89	8.49	913.7	892.5	795.1	641.2	488.7	367.5	279.4	216.5	171.4	138.4	113.8	95.0	80.4	68.9
WT_1219/279x25		11.0	x		22.00	3.18	7.72	1005.1	986.9	900.5	753.8	595.4	460.0	356.2	279.4	223.0	181.1	149.5	125.2	106.2	91.1
WT_1219/305x25		12.0	x		24.00	3.46	7.07	1095.5	1080.7	1003.7	865.6	705.5	559.2	441.1	350.5	282.2	230.6	191.1	160.6	136.5	117.4
WT_1219/254x32		10.0	x	1 1/4	25.00	2.89	8.53	1142.2	1115.7	993.8	801.5	610.8	459.4	349.2	270.7	214.3	173.0	142.2	118.8	100.6	86.2
WT_1219/330x25		13.0	x	1	26.00	3.75	6.53	1187.9	1174.0	1105.2	976.2	817.4	663.5	532.9	429.1	348.8	286.9	238.9	201.4	171.7	147.9
WT_1219/356x25		14.0	x		28.00	4.04	6.06	1279.2	1267.0	1205.2	1085.2	930.0	771.5	630.6	514.6	422.3	349.8	292.8	247.8	211.9	182.9
WT_1219/305x32		12.0	x	1 1/4	30.00	3.46	7.11	1370.6	1350.9	1254.7	1082.1	881.8	699.0	551.3	438.1	352.8	288.2	238.9	200.7	170.7	146.7
WT_1219/406x25		16.0	x	1	32.00	4.62	5.30	1462.0	1452.2	1401.6	1298.4	1154.2	993.7	839.0	702.5	588.1	494.4	418.6	357.3	307.5	266.7
WT_1219/356x32		14.0	x	1 1/4	35.00	4.04	6.09	1599.0	1583.7	1506.5	1356.5	1162.5	964.3	788.3	643.2	527.8	437.2	366.0	309.8	264.9	228.6
WT_1219/406x32		16.0	x		40.00	4.62	5.33	1827.5	1815.2	1752.0	1623.0	1442.7	1242.1	1048.7	878.2	735.1	618.0	523.3	446.6	384.3	333.4
WT_1219/450x32		17.7	x		44.29	5.11	4.82	2023.5	2013.2	1959.2	1845.7	1679.5	1483.6	1283.4	1097.3	934.1	795.8	680.7	585.6	507.1	442.1





SIN Beam Axial Capacity

Imperial

Designation <i>size</i>	Depth of Web h_w (in) <i>a</i>	Flange			Area (in ²) <i>e</i>	r_y (in) <i>f</i>	r_x/r_y <i>g</i>	Factored Compressive Resistance V_r (kip)																											
		Width b_f (in) <i>b</i>	Thickness t_f (in) <i>d</i>	Area (in ²) <i>c</i>				Effective length (ft) with respect to least radius of gyration (r_y)																											
								0	5	10	15	20	25	30	35	40	45	50	55	60	65														
																						<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>u</i>
WT_1500/127x6	59.1	5.0	x	1/4	2.50	1.44	20.54	114.2	99.4	61.1	34.9	21.4	14.2	10.1	7.5	5.7	4.6	3.7	3.1	2.6	2.2														
WT_1500/152x6		6.0	x		3.00	1.73	17.12	137.1	125.5	88.2	55.1	35.3	23.9	17.1	12.7	9.8	7.8	6.4	5.3	4.4	3.8														
WT_1500/152x8		6.0	x	5/16	3.75	1.73	17.14	171.3	156.8	110.2	68.9	44.1	29.9	21.3	15.9	12.3	9.8	8.0	6.6	5.5	4.7														
WT_1500/152x10		6.0	x	3/8	4.50	1.73	17.16	205.6	188.2	132.3	82.7	52.9	35.8	25.6	19.1	14.8	11.7	9.5	7.9	6.7	5.7														
WT_1500/178x10		7.0	x		5.25	2.02	14.71	239.9	226.0	174.4	118.2	79.2	54.9	39.7	29.9	23.2	18.5	15.1	12.5	10.5	9.0														
WT_1500/152x13		6.0	x	1/2	6.00	1.73	17.19	274.1	250.9	176.4	110.3	70.6	47.8	34.1	25.5	19.7	15.6	12.7	10.5	8.9	7.6														
WT_1500/178x13		7.0	x		7.00	2.02	14.74	319.8	301.3	232.5	157.7	105.6	73.2	53.0	39.8	30.9	24.6	20.1	16.7	14.0	12.0														
WT_1500/203x13		8.0	x		8.00	2.31	12.89	365.5	350.4	288.5	209.7	147.0	104.7	76.9	58.3	45.5	36.4	29.7	24.7	20.9	17.8														
WT_1500/152x19		6.0	x	3/4	9.00	1.73	17.26	411.2	376.4	264.6	165.4	105.8	71.7	51.2	38.2	29.5	23.5	19.1	15.8	13.3	11.4														
WT_1500/203x16		8.0	x	5/8	10.00	2.31	12.92	456.9	438.0	360.7	262.2	183.8	130.8	96.1	72.9	56.9	45.5	37.2	30.9	26.1	22.3														
WT_1500/203x19		8.0	x	3/4	12.00	2.31	12.95	548.2	525.6	432.8	314.6	220.5	157.0	115.3	87.5	68.3	54.6	44.6	37.1	31.3	26.8														
WT_1500/254x19		10.0	x		15.00	2.89	10.36	685.3	669.4	596.3	480.9	366.5	275.7	209.5	162.4	128.6	103.8	85.3	71.3	60.3	51.7														
WT_1500/203x25		8.0	x	1	16.00	2.31	13.00	731.0	700.8	577.1	419.5	294.0	209.3	153.7	116.6	91.0	72.8	59.5	49.5	41.7	35.7														
WT_1500/254x25		10.0	x		20.00	2.89	10.40	913.7	892.5	795.1	641.2	488.7	367.5	279.4	216.5	171.4	138.4	113.8	95.0	80.4	68.9														
WT_1500/279x25		11.0	x		22.00	3.18	9.46	1005.1	986.9	900.5	753.8	595.4	460.0	356.2	279.4	223.0	181.1	149.5	125.2	106.2	91.1														
WT_1500/305x25		12.0	x		24.00	3.46	8.67	1096.5	1080.7	1003.7	865.6	705.5	559.2	441.1	350.5	282.2	230.6	191.1	160.6	136.5	117.4														
WT_1500/254x32		10.0	x	1 1/4	25.00	2.89	10.45	1142.2	1115.7	993.8	801.5	610.8	459.4	349.2	270.7	214.3	173.0	142.2	118.8	100.6	86.2														
WT_1500/330x25		13.0	x	1	26.00	3.75	8.00	1187.9	1174.0	1105.2	976.2	817.4	663.5	532.9	429.1	348.8	286.9	238.9	201.4	171.7	147.9														
WT_1500/356x25		14.0	x		28.00	4.04	7.43	1279.2	1267.0	1205.2	1085.2	930.0	771.5	630.6	514.6	422.3	349.8	292.8	247.8	211.9	182.9														
WT_1500/305x32		12.0	x	1 1/4	30.00	3.46	8.70	1370.6	1350.9	1254.7	1082.1	881.8	699.0	551.3	438.1	352.8	288.2	238.9	200.7	170.7	146.7														
WT_1500/406x25		16.0	x	1	32.00	4.62	6.50	1462.0	1452.2	1401.6	1298.4	1154.2	993.7	839.0	702.5	588.1	494.4	418.6	357.3	307.5	266.7														
WT_1500/356x32		14.0	x	1 1/4	35.00	4.04	7.46	1599.0	1583.7	1506.5	1356.5	1162.5	964.3	788.3	643.2	527.8	437.2	366.0	309.8	264.9	228.6														
WT_1500/406x32		16.0	x		40.00	4.62	6.53	1827.5	1815.2	1752.0	1623.0	1442.7	1242.1	1048.7	878.2	735.1	618.0	523.3	446.6	384.3	333.4														
WT_1500/450x32		17.7	x		44.29	5.11	5.90	2023.5	2013.2	1959.2	1845.7	1679.5	1483.6	1283.4	1097.3	934.1	795.8	680.7	585.6	507.1	442.1														

