

8653 E. Highway 67
 Alvarado, TX 76009
 Office: 817-852-1700
 www.SabreTubularStructures.com

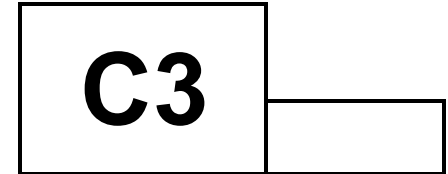
WPE Class: C3

Load: 1,875 Lbs - 2ft From Top

Top Dia. (in) = 6
 One Section Taper = 0.1000
 Multi-Section Taper = 0.1200
 Shape (sides) = 8
 Material Grade = 65 ksi

Max. One Section Length = 55 ft
 Max. Top Section Length = 47.5 ft

Top Section Thk. = 0.1875 in
 Mid Section Thk. = 0.1875 in
 Bot Section Thk. (if 2 sections) = 0.1875 in
 Bot Section Thk. (if 3 sections) = 0.1875 in



Height (ft)	Top Section					Middle Section						Bottom Section						Total Weight (lbs)	Ground Line				
	Length (ft)	Top Dia. (in)	Base Dia. (in)	Thk. (in)	Weight (lbs)	Slip Joint (ft)	Length (ft)	Top Dia. (in)	Base Dia. (ft)	Thk. (in)	Weight (lbs)	Slip Joint (ft)	Length (ft)	Top Dia. (in)	Base Dia. (ft)	Thk. (in)	Weight (lbs)		From Bot (ft)	Dia. (in)	F-F Cap (ft-k)	P-P Cap (ft-k)	Req'd Mom. (ft-k)
30	30	6.0000	9.0000	0.1875	464													464	5.0000	8.5000	60.12	55.5	43.1
35	35	6.0000	9.5000	0.1875	560													560	5.5000	8.9500	66.88	61.8	51.6
40	40	6.0000	10.0000	0.1875	661													661	6.0000	9.4000	74.00	68.4	60.0
45	45	6.0000	10.5000	0.1875	767													767	6.5000	9.8500	81.48	75.3	68.4
50	50	6.0000	11.0000	0.1875	879													879	7.0000	10.3000	89.33	82.5	76.9
55	55	6.0000	11.5000	0.1875	996													996	7.5000	10.7500	97.53	90.1	85.3
60	40	6.0000	10.8000	0.1875	695							1.5	21.5000	10.2450	12.8250	0.1875	516	1210	8.0000	11.8650	119.40	110.3	93.8
65	47.5	6.0000	11.7000	0.1875	870							1.75	19.2500	11.1150	13.4250	0.1875	492	1362	8.5000	12.4050	130.79	120.8	102.2
70	47.5	6.0000	11.7000	0.1875	870							1.75	24.2500	11.1150	14.0250	0.1875	635	1505	9.0000	12.9450	142.70	131.8	110.6
75	47.5	6.0000	11.7000	0.1875	870							1.75	29.2500	11.1150	14.6250	0.1875	784	1654	9.5000	13.4850	155.13	143.3	119.1
80	47.5	6.0000	11.7000	0.1875	870							1.75	34.2500	11.1150	15.2250	0.1875	940	1810	10.0000	14.0250	168.08	155.3	127.5
85	47.5	6.0000	11.7000	0.1875	870							1.75	39.2500	11.1150	15.8250	0.1875	1102	1972	10.5000	14.5650	181.54	167.7	135.9
90	47.5	6.0000	11.7000	0.1875	870							1.75	44.2500	11.1150	16.4250	0.1875	1271	2141	11.0000	15.1050	195.53	180.6	144.4
95	47.5	6.0000	11.7000	0.1875	870							1.75	49.2500	11.1150	17.0250	0.1875	1446	2315	11.5000	15.6450	210.03	194.0	152.8
100	47.5	6.0000	11.7000	0.1875	870							1.75	54.2500	11.1150	17.6250	0.1875	1627	2497	12.0000	16.1850	225.05	207.9	161.3
105	47.5	6.0000	11.7000	0.1875	870	1.75	35.0000	11.1150	15.3150	0.1875	964	2.25	26.5000	14.6700	17.8500	0.1875	900	2734	12.5000	16.3500	229.74	212.3	169.7
110	47.5	6.0000	11.7000	0.1875	870	1.75	35.0000	11.1150	15.3150	0.1875	964	2.25	31.5000	14.6700	18.4500	0.1875	1090	2924	13.0000	16.8900	242.26	223.8	178.1
115	47.5	6.0000	11.7000	0.1875	870	1.75	35.0000	11.1150	15.3150	0.1875	964	2.25	36.5000	14.6700	19.0500	0.1875	1287	3121	13.5000	17.4300	254.20	234.8	186.6
120	47.5	6.0000	11.7000	0.1875	870	1.75	35.0000	11.1150	15.3150	0.1875	964	2.25	41.5000	14.6700	19.6500	0.1875	1489	3323	14.0000	17.9700	266.12	245.9	195.0



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WPE Class: C2

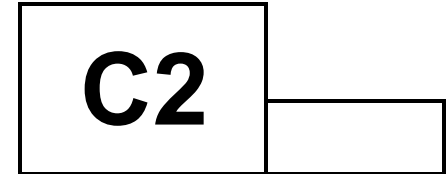
Load: 2,325 Lbs - 2ft From Top

Top Dia. (in) = **6.5**
 One Section Taper = **0.1141**
 Multi-Section Taper = **0.1225**
 Shape (sides) = **8**

Material Grade = **65** ksi

Max. One Section Length = **55** ft
 Max. Top Section Length = **47.5** ft

Top Section Thk. = **0.1875** in
 Mid Section Thk. = **0.1875** in
 Bot Section Thk. (if 2 sections) = **0.1875** in
 Bot Section Thk. (if 3 sections) = **0.1875** in



Height (ft)	Top Section					Middle Section						Bottom Section						Total Weight (lbs)	Ground Line				
	Length (ft)	Top Dia. (in)	Base Dia. (in)	Thk. (in)	Weight (lbs)	Slip Joint (ft)	Length (ft)	Top Dia. (in)	Base Dia. (ft)	Thk. (in)	Weight (lbs)	Slip Joint (ft)	Length (ft)	Top Dia. (in)	Base Dia. (ft)	Thk. (in)	Weight (lbs)		From Bot (ft)	Dia. (in)	F-F Cap (ft-k)	P-P Cap (ft-k)	Req'd Mom. (ft-k)
30	30	6.5000	9.9230	0.1875	509													509	5.0000	9.3525	73.23	67.7	53.5
35	35	6.5000	10.4935	0.1875	615													615	5.5000	9.8660	81.76	75.5	63.9
40	40	6.5000	11.0640	0.1875	727													727	6.0000	10.3794	90.75	83.8	74.4
45	45	6.5000	11.6345	0.1875	845													845	6.5000	10.8929	100.21	92.6	84.9
50	50	6.5000	12.2050	0.1875	969													969	7.0000	11.4063	110.14	101.8	95.3
55	55	6.5000	12.7755	0.1875	1099													1099	7.5000	11.9198	120.54	111.4	105.8
60	40	6.5000	11.4000	0.1875	741							1.75	21.7500	10.8106	13.4750	0.1875	550	1291	8.0000	12.4950	132.74	122.6	116.3
65	47.5	6.5000	12.3188	0.1875	926							1.75	19.2500	11.7294	14.0875	0.1875	518	1444	8.5000	13.0463	144.99	134.0	126.7
70	47.5	6.5000	12.3188	0.1875	926							1.75	24.2500	11.7294	14.7000	0.1875	668	1594	9.0000	13.5975	157.78	145.8	137.2
75	47.5	6.5000	12.3188	0.1875	926							1.75	29.2500	11.7294	15.3125	0.1875	825	1751	9.5000	14.1488	171.12	158.1	147.6
80	47.5	6.5000	12.3188	0.1875	926							1.75	34.2500	11.7294	15.9250	0.1875	988	1914	10.0000	14.7000	184.99	170.9	158.1
85	47.5	6.5000	12.3188	0.1875	926							1.75	39.2500	11.7294	16.5375	0.1875	1157	2083	10.5000	15.2513	199.40	184.2	168.6
90	47.5	6.5000	12.3188	0.1875	926							1.75	44.2500	11.7294	17.1500	0.1875	1333	2259	11.0000	15.8025	214.36	198.0	179.0
95	47.5	6.5000	12.3188	0.1875	926							1.75	49.2500	11.7294	17.7625	0.1875	1516	2442	11.5000	16.3538	229.85	212.4	189.5
100	47.5	6.5000	12.3188	0.1875	926							1.75	54.2500	11.7294	18.3750	0.1875	1705	2631	12.0000	16.9050	242.59	224.1	200.0
105	47.5	6.5000	12.3188	0.1875	926	1.75	35.0000	11.7294	16.0169	0.1875	1013	2.25	26.5000	15.3663	18.6125	0.1875	941	2880	12.5000	17.0813	246.49	227.7	210.4
110	47.5	6.5000	12.3188	0.1875	926	1.75	35.0000	11.7294	16.0169	0.1875	1013	2.25	31.5000	15.3663	19.2250	0.1875	1139	3078	13.0000	17.6325	258.67	239.0	220.9
115	47.5	6.5000	12.3188	0.1875	926	1.75	35.0000	11.7294	16.0169	0.1875	1013	2.25	36.5000	15.3663	19.8375	0.1875	1344	3283	13.5000	18.1838	270.83	250.2	231.3
120	47.5	6.5000	12.3188	0.1875	926	1.75	35.0000	11.7294	16.0169	0.1875	1013	2.25	41.5000	15.3663	20.4500	0.1875	1555	3494	14.0000	18.7350	282.95	261.4	241.8



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WPE Class: C1

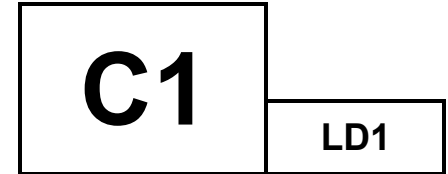
Load: 2,825 Lbs - 2ft From Top

Top Dia. (in) = **8**
 One Section Taper = **0.1080**
 Multi-Section Taper = **0.1400**
 Shape (sides) = **12**

Material Grade = **65** ksi

Max. One Section Length = **55** ft
 Max. Top Section Length = **47.5** ft

Top Section Thk. = **0.1875** in
 Mid Section Thk. = **0.1875** in
 Bot Section Thk. (if 2 sections) = **0.1875** in
 Bot Section Thk. (if 3 sections) = **0.1875** in



Height (ft)	Top Section					Middle Section						Bottom Section						Total Weight (lbs)	Ground Line				
	Length (ft)	Top Dia. (in)	Base Dia. (in)	Thk. (in)	Weight (lbs)	Slip Joint (ft)	Length (ft)	Top Dia. (in)	Base Dia. (ft)	Thk. (in)	Weight (lbs)	Slip Joint (ft)	Length (ft)	Top Dia. (in)	Base Dia. (ft)	Thk. (in)	Weight (lbs)		From Bot (ft)	Dia. (in)	F-F Cap (ft-k)	P-P Cap (ft-k)	Req'd Mom. (ft-k)
30	30	8.0000	11.2400	0.1875	581													581	5.0000	10.7000	90.64	87.6	65.0
35	35	8.0000	11.7800	0.1875	697													697	5.5000	11.1860	99.30	95.9	77.7
40	40	8.0000	12.3200	0.1875	818													818	6.0000	11.6720	108.34	104.7	90.4
45	45	8.0000	12.8600	0.1875	946													946	6.5000	12.1580	117.78	113.8	103.1
50	50	8.0000	13.4000	0.1875	1078													1078	7.0000	12.6440	127.62	123.3	115.8
55	55	8.0000	13.9400	0.1875	1217													1217	7.5000	13.1300	137.85	133.1	128.5
60	40	8.0000	13.6000	0.1875	871							2	22.0000	12.9450	16.0250	0.1875	645	1516	8.0000	14.9050	178.56	172.5	141.3
65	47.5	8.0000	14.6500	0.1875	1085							2	19.5000	13.9950	16.7250	0.1875	607	1692	8.5000	15.5350	194.27	187.7	154.0
70	47.5	8.0000	14.6500	0.1875	1085							2	24.5000	13.9950	17.4250	0.1875	780	1865	9.0000	16.1650	210.65	203.5	166.7
75	47.5	8.0000	14.6500	0.1875	1085							2	29.5000	13.9950	18.1250	0.1875	961	2046	9.5000	16.7950	227.69	219.9	179.4
80	47.5	8.0000	14.6500	0.1875	1085							2	34.5000	13.9950	18.8250	0.1875	1148	2233	10.0000	17.4250	245.39	237.0	192.1
85	47.5	8.0000	14.6500	0.1875	1085							2	39.5000	13.9950	19.5250	0.1875	1343	2428	10.5000	18.0550	263.75	254.8	204.8
90	47.5	8.0000	14.6500	0.1875	1085							2	44.5000	13.9950	20.2250	0.1875	1545	2630	11.0000	18.6850	282.78	273.1	217.5
95	47.5	8.0000	14.6500	0.1875	1085							2	49.5000	13.9950	20.9250	0.1875	1754	2839	11.5000	19.3150	302.47	292.2	230.2
100	47.5	8.0000	14.6500	0.1875	1085							2	54.5000	13.9950	21.6250	0.1875	1970	3056	12.0000	19.9450	322.82	311.8	243.0
105	47.5	8.0000	14.6500	0.1875	1085	2	35.5000	13.9950	18.9650	0.1875	1187	2.75	26.7500	18.2050	21.9500	0.1875	1092	3363	12.5000	20.2000	331.25	320.0	255.7
110	47.5	8.0000	14.6500	0.1875	1085	2	35.5000	13.9950	18.9650	0.1875	1187	2.75	31.7500	18.2050	22.6500	0.1875	1318	3590	13.0000	20.8300	352.54	340.5	268.4
115	47.5	8.0000	14.6500	0.1875	1085	2	35.5000	13.9950	18.9650	0.1875	1187	2.75	36.7500	18.2050	23.3500	0.1875	1552	3824	13.5000	21.4600	374.48	361.7	281.1
120	47.5	8.0000	14.6500	0.1875	1085	2	35.5000	13.9950	18.9650	0.1875	1187	2.75	41.7500	18.2050	24.0500	0.1875	1794	4065	14.0000	22.0900	397.09	383.6	293.8



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WPE Class: H1

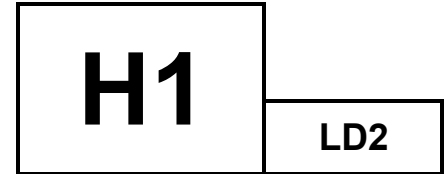
Load: 3,375 Lbs - 2ft From Top

Top Dia. (in) = **8**
 One Section Taper = **0.1309**
 Multi-Section Taper = **0.1400**
 Shape (sides) = **12**

Material Grade = **65** ksi

Max. One Section Length = **55** ft
 Max. Top Section Length = **47.5** ft

Top Section Thk. = **0.1875** in
 Mid Section Thk. = **0.1875** in
 Bot Section Thk. (if 2 sections) = **0.1875** in
 Bot Section Thk. (if 3 sections) = **0.1875** in



Height (ft)	Top Section					Middle Section						Bottom Section						Total Weight (lbs)	Ground Line				
	Length (ft)	Top Dia. (in)	Base Dia. (in)	Thk. (in)	Weight (lbs)	Slip Joint (ft)	Length (ft)	Top Dia. (in)	Base Dia. (ft)	Thk. (in)	Weight (lbs)	Slip Joint (ft)	Length (ft)	Top Dia. (in)	Base Dia. (ft)	Thk. (in)	Weight (lbs)		From Bot (ft)	Dia. (in)	F-F Cap (ft-k)	P-P Cap (ft-k)	Req'd Mom. (ft-k)
30	30	8.0000	11.9270	0.1875	602													602	5.0000	11.2725	100.88	97.4	77.6
35	35	8.0000	12.5815	0.1875	725													725	5.5000	11.8616	111.98	108.2	92.8
40	40	8.0000	13.2360	0.1875	856													856	6.0000	12.4506	123.66	119.4	108.0
45	45	8.0000	13.8905	0.1875	993													993	6.5000	13.0397	135.91	131.3	123.2
50	50	8.0000	14.5450	0.1875	1137													1137	7.0000	13.6287	148.75	143.7	138.4
55	55	8.0000	15.1995	0.1875	1288													1288	7.5000	14.2178	162.17	156.6	153.6
60	40	8.0000	13.6000	0.1875	871							2	22.0000	12.9450	16.0250	0.1875	645	1516	8.0000	14.9050	178.56	172.5	168.8
65	47.5	8.0000	14.6500	0.1875	1085							2	19.5000	13.9950	16.7250	0.1875	607	1692	8.5000	15.5350	194.27	187.7	183.9
70	47.5	8.0000	14.6500	0.1875	1085							2	24.5000	13.9950	17.4250	0.1875	780	1865	9.0000	16.1650	210.65	203.5	199.1
75	47.5	8.0000	14.6500	0.1875	1085							2	29.5000	13.9950	18.1250	0.1875	961	2046	9.5000	16.7950	227.69	219.9	214.3
80	47.5	8.0000	14.6500	0.1875	1085							2	34.5000	13.9950	18.8250	0.1875	1148	2233	10.0000	17.4250	245.39	237.0	229.5
85	47.5	8.0000	14.6500	0.1875	1085							2	39.5000	13.9950	19.5250	0.1875	1343	2428	10.5000	18.0550	263.75	254.8	244.7
90	47.5	8.0000	14.6500	0.1875	1085							2	44.5000	13.9950	20.2250	0.1875	1545	2630	11.0000	18.6850	282.78	273.1	259.9
95	47.5	8.0000	14.6500	0.1875	1085							2	49.5000	13.9950	20.9250	0.1875	1754	2839	11.5000	19.3150	302.47	292.2	275.1
100	47.5	8.0000	14.6500	0.1875	1085							2	54.5000	13.9950	21.6250	0.1875	1970	3056	12.0000	19.9450	322.82	311.8	290.3
105	47.5	8.0000	14.6500	0.1875	1085	2	35.5000	13.9950	18.9650	0.1875	1187	2.75	26.7500	18.2050	21.9500	0.1875	1092	3363	12.5000	20.2000	331.25	320.0	305.4
110	47.5	8.0000	14.6500	0.1875	1085	2	35.5000	13.9950	18.9650	0.1875	1187	2.75	31.7500	18.2050	22.6500	0.1875	1318	3590	13.0000	20.8300	352.54	340.5	320.6
115	47.5	8.0000	14.6500	0.1875	1085	2	35.5000	13.9950	18.9650	0.1875	1187	2.75	36.7500	18.2050	23.3500	0.1875	1552	3824	13.5000	21.4600	374.48	361.7	335.8
120	47.5	8.0000	14.6500	0.1875	1085	2	35.5000	13.9950	18.9650	0.1875	1187	2.75	41.7500	18.2050	24.0500	0.1875	1794	4065	14.0000	22.0900	397.09	383.6	351.0



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WPE Class: H2

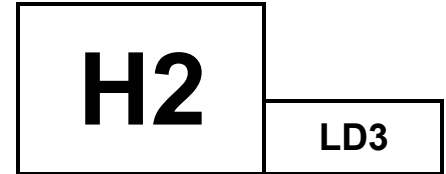
Load: 4,000 Lbs - 2ft From Top

Top Dia. (in) = **9.4375**
 One Section Taper = **0.1291**
 Multi-Section Taper = **0.1400**
 Shape (sides) = **12**

Material Grade = **65** ksi

Max. One Section Length = **55** ft
 Max. Top Section Length = **47.5** ft

Top Section Thk. = **0.1875** in
 Mid Section Thk. = **0.1875** in
 Bot Section Thk. (if 2 sections) = **0.1875** in
 Bot Section Thk. (if 3 sections) = **0.1875** in



Height (ft)	Top Section					Middle Section						Bottom Section						Total Weight (lbs)	Ground Line				
	Length (ft)	Top Dia. (in)	Base Dia. (in)	Thk. (in)	Weight (lbs)	Slip Joint (ft)	Length (ft)	Top Dia. (in)	Base Dia. (ft)	Thk. (in)	Weight (lbs)	Slip Joint (ft)	Length (ft)	Top Dia. (in)	Base Dia. (ft)	Thk. (in)	Weight (lbs)		From Bot (ft)	Dia. (in)	F-F Cap (ft-k)	P-P Cap (ft-k)	Req'd Mom. (ft-k)
30	30	9.4375	13.3105	0.1875	688													688	5.0000	12.6650	128.05	123.7	92.0
35	35	9.4375	13.9560	0.1875	826													826	5.5000	13.2460	140.35	135.6	110.0
40	40	9.4375	14.6015	0.1875	971													971	6.0000	13.8269	153.20	148.0	128.0
45	45	9.4375	15.2470	0.1875	1122													1122	6.5000	14.4079	166.62	160.9	146.0
50	50	9.4375	15.8925	0.1875	1280													1280	7.0000	14.9888	180.61	174.5	164.0
55	55	9.4375	16.5380	0.1875	1444													1444	7.5000	15.5698	195.16	188.5	182.0
60	40	9.4375	15.0375	0.1875	989							2.25	22.2500	14.3475	17.4625	0.1875	717	1706	8.0000	16.3425	215.38	208.0	200.0
65	47.5	9.4375	16.0875	0.1875	1225							2.25	19.7500	15.3975	18.1625	0.1875	672	1898	8.5000	16.9725	232.61	224.7	218.0
70	47.5	9.4375	16.0875	0.1875	1225							2.25	24.7500	15.3975	18.8625	0.1875	860	2086	9.0000	17.6025	250.50	242.0	236.0
75	47.5	9.4375	16.0875	0.1875	1225							2.25	29.7500	15.3975	19.5625	0.1875	1055	2281	9.5000	18.2325	269.05	259.9	254.0
80	47.5	9.4375	16.0875	0.1875	1225							2.25	34.7500	15.3975	20.2625	0.1875	1258	2483	10.0000	18.8625	288.26	278.4	272.0
85	47.5	9.4375	16.0875	0.1875	1225							2.25	39.7500	15.3975	20.9625	0.1875	1467	2693	10.5000	19.4925	308.14	297.6	290.0
90	47.5	9.4375	16.0875	0.1875	1225							2.25	44.7500	15.3975	21.6625	0.1875	1684	2909	11.0000	20.1225	328.68	317.5	308.0
95	47.5	9.4375	16.0875	0.1875	1225							2.25	49.7500	15.3975	22.3625	0.1875	1908	3133	11.5000	20.7525	349.88	338.0	326.0
100	47.5	9.4375	16.0875	0.1875	1225							2.25	54.7500	15.3975	23.0625	0.1875	2139	3364	12.0000	21.3825	371.75	359.1	344.0
105	47.5	9.4375	16.0875	0.1875	1225	2.25	35.5000	15.3975	20.3675	0.1875	1289	2.75	27.0000	19.6075	23.3875	0.1875	1180	3694	12.5000	21.6375	380.79	367.8	362.0
110	47.5	9.4375	16.0875	0.1875	1225	2.25	35.5000	15.3975	20.3675	0.1875	1289	2.75	32.0000	19.6075	24.0875	0.1875	1422	3936	13.0000	22.2675	403.58	389.8	380.0
115	47.5	9.4375	16.0875	0.1875	1225	2.25	35.5000	15.3975	20.3675	0.1875	1289	2.75	37.0000	19.6075	24.7875	0.1875	1671	4185	13.5000	22.8975	425.68	411.2	398.0
120	47.5	9.4375	16.0875	0.1875	1225	2.25	35.5000	15.3975	20.3675	0.1875	1289	2.75	42.0000	19.6075	25.4875	0.1875	1927	4441	14.0000	23.5275	443.60	428.5	416.0



8653 E. Highway 67
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WPE Class: H3

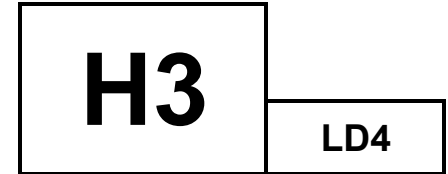
Load: 4,700 Lbs - 2ft From Top

Top Dia. (in) = **9.75**
 One Section Taper = **0.1481**
 Multi-Section Taper = **0.1591**
 Shape (sides) = **12**

Material Grade = **65** ksi

Max. One Section Length = **55** ft
 Max. Top Section Length = **47.5** ft

Top Section Thk. = **0.1875** in
 Mid Section Thk. = **0.1875** in
 Bot Section Thk. (if 2 sections) = **0.1875** in
 Bot Section Thk. (if 3 sections) = **0.1875** in



Height (ft)	Top Section					Middle Section						Bottom Section						Total Weight (lbs)	Ground Line				
	Length (ft)	Top Dia. (in)	Base Dia. (in)	Thk. (in)	Weight (lbs)	Slip Joint (ft)	Length (ft)	Top Dia. (in)	Base Dia. (ft)	Thk. (in)	Weight (lbs)	Slip Joint (ft)	Length (ft)	Top Dia. (in)	Base Dia. (ft)	Thk. (in)	Weight (lbs)		From Bot (ft)	Dia. (in)	F-F Cap (ft-k)	P-P Cap (ft-k)	Req'd Mom. (ft-k)
30	30	9.7500	14.1930	0.1875	725													725	5.0000	13.4525	144.85	139.9	108.1
35	35	9.7500	14.9335	0.1875	873													873	5.5000	14.1190	159.88	154.4	129.3
40	40	9.7500	15.6740	0.1875	1028													1028	6.0000	14.7854	175.65	169.7	150.4
45	45	9.7500	16.4145	0.1875	1190													1190	6.5000	15.4519	192.16	185.6	171.6
50	50	9.7500	17.1550	0.1875	1361													1361	7.0000	16.1183	209.41	202.3	192.7
55	55	9.7500	17.8955	0.1875	1538													1538	7.5000	16.7848	227.40	219.7	213.9
60	40	9.7500	16.1140	0.1875	1046							2.25	22.2500	15.3810	18.9210	0.1875	774	1820	8.0000	17.6482	251.82	243.2	235.0
65	47.5	9.7500	17.3073	0.1875	1300							2.5	20.0000	16.5345	19.7165	0.1875	736	2036	8.5000	18.3642	273.01	263.7	256.2
70	47.5	9.7500	17.3073	0.1875	1300							2.5	25.0000	16.5345	20.5120	0.1875	940	2240	9.0000	19.0801	295.05	285.0	277.3
75	47.5	9.7500	17.3073	0.1875	1300							2.5	30.0000	16.5345	21.3075	0.1875	1153	2453	9.5000	19.7961	317.95	307.1	298.5
80	47.5	9.7500	17.3073	0.1875	1300							2.5	35.0000	16.5345	22.1030	0.1875	1374	2674	10.0000	20.5120	341.71	330.1	319.6
85	47.5	9.7500	17.3073	0.1875	1300							2.5	40.0000	16.5345	22.8985	0.1875	1603	2903	10.5000	21.2280	366.32	353.8	340.8
90	47.5	9.7500	17.3073	0.1875	1300							2.5	45.0000	16.5345	23.6940	0.1875	1840	3140	11.0000	21.9439	391.79	378.4	361.9
95	47.5	9.7500	17.3073	0.1875	1300							2.5	50.0000	16.5345	24.4895	0.1875	2085	3385	11.5000	22.6599	418.11	403.9	383.1
100	47.5	9.7500	17.3073	0.1875	1300							2.5	55.0000	16.5345	25.2850	0.1875	2338	3638	12.0000	23.3758	439.29	424.3	404.2
105	47.5	9.7500	17.3073	0.1875	1300	2.5	36.0000	16.5345	22.2621	0.1875	1419	3.25	27.2500	21.3700	25.7055	0.1875	1305	4024	12.5000	23.7168	448.98	433.7	425.4
110	47.5	9.7500	17.3073	0.1875	1300	2.5	36.0000	16.5345	22.2621	0.1875	1419	3.25	32.2500	21.3700	26.5010	0.1875	1571	4290	13.0000	24.4327	469.32	453.3	446.5
115	47.5	9.7500	17.3073	0.1875	1300	2.5	36.0000	16.5345	22.2621	0.1875	1419	3.25	37.2500	21.3700	27.2965	0.1875	1845	4564	13.5000	25.1487	489.59	472.9	467.7
120	47.5	9.7500	17.3073	0.1875	1300	2.5	36.0000	16.5345	22.2621	0.1875	1419	3.25	42.2500	21.3700	28.0920	0.1875	2127	4846	14.0000	25.8646	509.75	492.4	488.8



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WPE Class: H4

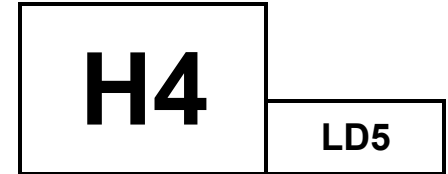
Load: 5,450 Lbs - 2ft From Top

Top Dia. (in) = **10**
 One Section Taper = **0.1680**
 Multi-Section Taper = **0.1853**
 Shape (sides) = **12**

Material Grade = **65** ksi

Max. One Section Length = **55** ft
 Max. Top Section Length = **47.5** ft

Top Section Thk. = **0.1875** in
 Mid Section Thk. = **0.1875** in
 Bot Section Thk. (if 2 sections) = **0.1875** in
 Bot Section Thk. (if 3 sections) = **0.1875** in



Height (ft)	Top Section					Middle Section						Bottom Section						Total Weight (lbs)	Ground Line				
	Length (ft)	Top Dia. (in)	Base Dia. (in)	Thk. (in)	Weight (lbs)	Slip Joint (ft)	Length (ft)	Top Dia. (in)	Base Dia. (ft)	Thk. (in)	Weight (lbs)	Slip Joint (ft)	Length (ft)	Top Dia. (in)	Base Dia. (ft)	Thk. (in)	Weight (lbs)		From Bot (ft)	Dia. (in)	F-F Cap (ft-k)	P-P Cap (ft-k)	Req'd Mom. (ft-k)
30	30	10.0000	15.0400	0.1875	759													759	5.0000	14.2000	161.76	156.2	125.4
35	35	10.0000	15.8800	0.1875	916													916	5.5000	14.9560	179.80	173.7	149.9
40	40	10.0000	16.7200	0.1875	1081													1081	6.0000	15.7120	198.80	192.0	174.4
45	45	10.0000	17.5600	0.1875	1255													1255	6.5000	16.4680	218.76	211.3	198.9
50	50	10.0000	18.4000	0.1875	1437													1437	7.0000	17.2240	239.67	231.5	223.5
55	55	10.0000	19.2400	0.1875	1628													1628	7.5000	17.9800	261.53	252.6	248.0
60	40	10.0000	17.4120	0.1875	1109							2.5	22.5000	16.5738	20.7430	0.1875	853	1962	8.0000	19.2606	300.75	290.5	272.5
65	47.5	10.0000	18.8018	0.1875	1385							2.75	20.2500	17.9172	21.6695	0.1875	814	2200	8.5000	20.0945	327.75	316.6	297.0
70	47.5	10.0000	18.8018	0.1875	1385							2.75	25.2500	17.9172	22.5960	0.1875	1040	2425	9.0000	20.9283	355.92	343.8	321.6
75	47.5	10.0000	18.8018	0.1875	1385							2.75	30.2500	17.9172	23.5225	0.1875	1274	2659	9.5000	21.7622	385.24	372.1	346.1
80	47.5	10.0000	18.8018	0.1875	1385							2.75	35.2500	17.9172	24.4490	0.1875	1518	2903	10.0000	22.5960	415.73	401.6	370.6
85	47.5	10.0000	18.8018	0.1875	1385							2.75	40.2500	17.9172	25.3755	0.1875	1772	3157	10.5000	23.4299	440.82	425.8	395.1
90	47.5	10.0000	18.8018	0.1875	1385							2.75	45.2500	17.9172	26.3020	0.1875	2035	3420	11.0000	24.2637	464.52	448.7	419.7
95	47.5	10.0000	18.8018	0.1875	1385							2.75	50.2500	17.9172	27.2285	0.1875	2308	3693	11.5000	25.0976	488.14	471.5	444.2
100	47.5	10.0000	18.8018	0.1875	1385							2.75	55.2500	17.9172	28.1550	0.1875	2590	3975	12.0000	25.9314	511.62	494.2	468.7
105	47.5	10.0000	18.8018	0.1875	1385	2.75	36.0000	17.9172	24.5880	0.1875	1556	3.5	27.7500	23.5644	28.7065	0.1875	1477	4418	12.5000	26.3903	524.46	506.6	493.2
110	47.5	10.0000	18.8018	0.1875	1385	2.75	36.0000	17.9172	24.5880	0.1875	1556	3.5	32.7500	23.5644	29.6330	0.1875	1774	4715	13.0000	27.2241	547.60	528.9	517.8
115	47.5	10.0000	18.8018	0.1875	1385	2.75	36.0000	17.9172	24.5880	0.1875	1556	3.5	37.7500	23.5644	30.5595	0.1875	2081	5022	13.5000	28.0580	570.44	551.0	542.3
120	47.5	10.0000	18.8018	0.1875	1385	2.75	36.0000	17.9172	24.5880	0.1875	1556	3.5	42.7500	23.5644	31.4860	0.1875	2398	5338	14.0000	28.8918	592.92	572.7	566.8



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WPE Class: H5

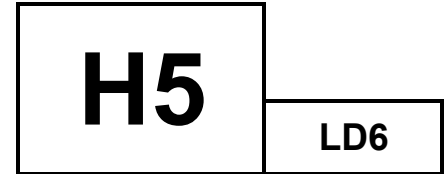
Load: 6,250 Lbs - 2ft From Top

Top Dia. (in) = **10**
 One Section Taper = **0.1926**
 Multi-Section Taper = **0.2085**
 Shape (sides) = **12**

Material Grade = **65** ksi

Max. One Section Length = **55** ft
 Max. Top Section Length = **47.5** ft

Top Section Thk. = **0.1875** in
 Mid Section Thk. = **0.1875** in
 Bot Section Thk. (if 2 sections) = **0.1875** in
 Bot Section Thk. (if 3 sections) = **0.2500** in



Height (ft)	Top Section					Middle Section						Bottom Section						Total Weight (lbs)	Ground Line				
	Length (ft)	Top Dia. (in)	Base Dia. (in)	Thk. (in)	Weight (lbs)	Slip Joint (ft)	Length (ft)	Top Dia. (in)	Base Dia. (ft)	Thk. (in)	Weight (lbs)	Slip Joint (ft)	Length (ft)	Top Dia. (in)	Base Dia. (ft)	Thk. (in)	Weight (lbs)		From Bot (ft)	Dia. (in)	F-F Cap (ft-k)	P-P Cap (ft-k)	Req'd Mom. (ft-k)
30	30	10.0000	15.7780	0.1875	782													782	5.0000	14.8150	176.37	170.4	143.8
35	35	10.0000	16.7410	0.1875	947													947	5.5000	15.6817	198.02	191.3	171.9
40	40	10.0000	17.7040	0.1875	1121													1121	6.0000	16.5484	220.94	213.4	200.0
45	45	10.0000	18.6670	0.1875	1306													1306	6.5000	17.4151	245.11	236.8	228.1
50	50	10.0000	19.6300	0.1875	1500													1500	7.0000	18.2818	270.53	261.3	256.3
55	55	10.0000	20.5930	0.1875	1705													1705	7.5000	19.1485	297.20	287.1	284.4
60	40	10.0000	18.3400	0.1875	1147							2.5	22.5000	17.4438	22.1350	0.1875	905	2052	8.0000	20.4670	340.19	328.6	312.5
65	47.5	10.0000	19.9038	0.1875	1439							2.75	20.2500	18.9554	23.1775	0.1875	867	2306	8.5000	21.4053	372.55	359.9	340.6
70	47.5	10.0000	19.9038	0.1875	1439							2.75	25.2500	18.9554	24.2200	0.1875	1109	2547	9.0000	22.3435	406.38	392.5	368.8
75	47.5	10.0000	19.9038	0.1875	1439							2.75	30.2500	18.9554	25.2625	0.1875	1360	2799	9.5000	23.2818	436.61	421.7	396.9
80	47.5	10.0000	19.9038	0.1875	1439							2.75	35.2500	18.9554	26.3050	0.1875	1623	3062	10.0000	24.2200	463.28	447.5	425.0
85	47.5	10.0000	19.9038	0.1875	1439							2.75	40.2500	18.9554	27.3475	0.1875	1896	3335	10.5000	25.1583	489.86	473.2	453.1
90	47.5	10.0000	19.9038	0.1875	1439							2.75	45.2500	18.9554	28.3900	0.1875	2180	3619	11.0000	26.0965	516.25	498.7	481.3
95	47.5	10.0000	19.9038	0.1875	1439							2.75	50.2500	18.9554	29.4325	0.1875	2475	3913	11.5000	27.0348	542.37	523.9	509.4
100	47.5	10.0000	19.9038	0.1875	1439							2.75	55.2500	18.9554	30.4750	0.1875	2780	4219	12.0000	27.9730	568.13	548.8	537.5
105	47.5	10.0000	19.9038	0.1875	1439	2.75	36.0000	18.9554	26.4614	0.1875	1663	3.75	28.0000	25.3045	31.1425	0.25	2142	5244	12.5000	28.5363	882.82	852.7	565.6
110	47.5	10.0000	19.9038	0.1875	1439	2.75	36.0000	18.9554	26.4614	0.1875	1663	3.75	33.0000	25.3045	32.1850	0.25	2572	5674	13.0000	29.4745	942.62	910.5	593.8
115	47.5	10.0000	19.9038	0.1875	1439	2.75	36.0000	18.9554	26.4614	0.1875	1663	3.75	38.0000	25.3045	33.2275	0.25	3016	6118	13.5000	30.4128	1003.10	968.9	621.9
120	47.5	10.0000	19.9038	0.1875	1439	2.75	36.0000	18.9554	26.4614	0.1875	1663	3.75	43.0000	25.3045	34.2700	0.25	3474	6576	14.0000	31.3510	1050.54	1014.7	650.0



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WPE Class: H6

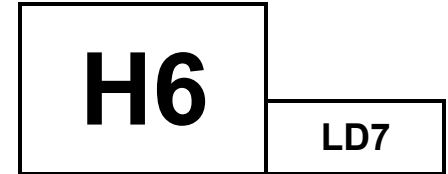
Load: 7,125 Lbs - 2ft From Top

Top Dia. (in) = **10.5625**
 One Section Taper = **0.1563**
 Multi-Section Taper = **0.1673**
 Shape (sides) = **12**

Material Grade = **65** ksi

Max. One Section Length = **55** ft
 Max. Top Section Length = **47.5** ft

Top Section Thk. = **0.2500** in
 Mid Section Thk. = **0.2500** in
 Bot Section Thk. (if 2 sections) = **0.2500** in
 Bot Section Thk. (if 3 sections) = **0.2500** in



Height (ft)	Top Section					Middle Section						Bottom Section						Total Weight (lbs)	Ground Line				
	Length (ft)	Top Dia. (in)	Base Dia. (in)	Thk. (in)	Weight (lbs)	Slip Joint (ft)	Length (ft)	Top Dia. (in)	Base Dia. (ft)	Thk. (in)	Weight (lbs)	Slip Joint (ft)	Length (ft)	Top Dia. (in)	Base Dia. (ft)	Thk. (in)	Weight (lbs)		From Bot (ft)	Dia. (in)	F-F Cap (ft-k)	P-P Cap (ft-k)	Req'd Mom. (ft-k)
30	30	10.5625	15.2515	0.25	1039													1039	5.0000	14.4700	221.19	213.7	163.9
35	35	10.5625	16.0330	0.25	1249													1249	5.5000	15.1734	243.82	235.5	195.9
40	40	10.5625	16.8145	0.25	1470													1470	6.0000	15.8767	267.54	258.4	228.0
45	45	10.5625	17.5960	0.25	1702													1702	6.5000	16.5801	292.36	282.4	260.1
50	50	10.5625	18.3775	0.25	1945													1945	7.0000	17.2834	318.29	307.4	292.1
55	55	10.5625	19.1590	0.25	2198													2198	7.5000	17.9868	345.31	333.5	324.2
60	40	10.5625	17.2545	0.25	1494							2.5	22.5000	16.3363	20.1005	0.25	1106	2600	8.0000	18.7621	376.38	363.6	356.3
65	47.5	10.5625	18.5093	0.25	1856							2.5	20.0000	17.5910	20.9370	0.25	1040	2896	8.5000	19.5150	407.83	393.9	388.3
70	47.5	10.5625	18.5093	0.25	1856							2.5	25.0000	17.5910	21.7735	0.25	1329	3185	9.0000	20.2678	440.54	425.5	420.4
75	47.5	10.5625	18.5093	0.25	1856							2.5	30.0000	17.5910	22.6100	0.25	1629	3485	9.5000	21.0207	474.51	458.3	452.4
80	47.5	10.5625	18.5093	0.25	1856							2.5	35.0000	17.5910	23.4465	0.25	1940	3797	10.0000	21.7735	509.75	492.4	484.5
85	47.5	10.5625	18.5093	0.25	1856							2.5	40.0000	17.5910	24.2830	0.25	2263	4120	10.5000	22.5264	546.24	527.6	516.6
90	47.5	10.5625	18.5093	0.25	1856							2.5	45.0000	17.5910	25.1195	0.25	2598	4454	11.0000	23.2792	584.00	564.1	548.6
95	47.5	10.5625	18.5093	0.25	1856							2.5	50.0000	17.5910	25.9560	0.25	2944	4800	11.5000	24.0321	623.02	601.8	580.7
100	47.5	10.5625	18.5093	0.25	1856							2.5	55.0000	17.5910	26.7925	0.25	3301	5157	12.0000	24.7849	663.30	640.7	612.8
105	47.5	10.5625	18.5093	0.25	1856	2.5	36.0000	17.5910	23.6138	0.25	2004	3.25	27.2500	22.5701	27.1290	0.25	1834	5694	12.5000	25.0378	677.11	654.0	644.8
110	47.5	10.5625	18.5093	0.25	1856	2.5	36.0000	17.5910	23.6138	0.25	2004	3.25	32.2500	22.5701	27.9655	0.25	2207	6067	13.0000	25.7906	719.08	694.6	676.9
115	47.5	10.5625	18.5093	0.25	1856	2.5	36.0000	17.5910	23.6138	0.25	2004	3.25	37.2500	22.5701	28.8020	0.25	2592	6452	13.5000	26.5435	762.31	736.3	708.9
120	47.5	10.5625	18.5093	0.25	1856	2.5	36.0000	17.5910	23.6138	0.25	2004	3.25	42.2500	22.5701	29.6385	0.25	2988	6848	14.0000	27.2963	806.80	779.3	741.0



8653 E. Highway 67
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WPE Class: H7

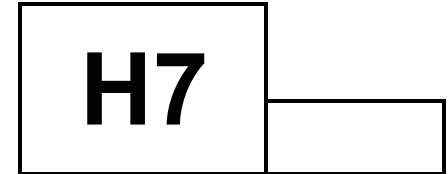
Load: 8,000 Lbs - 2ft From Top

Top Dia. (in) = **10.5625**
 One Section Taper = **0.1765**
 Multi-Section Taper = **0.1854**
 Shape (sides) = **12**

Material Grade = **65** ksi

Max. One Section Length = **55** ft
 Max. Top Section Length = **47.5** ft

Top Section Thk. = **0.2500** in
 Mid Section Thk. = **0.2500** in
 Bot Section Thk. (if 2 sections) = **0.2500** in
 Bot Section Thk. (if 3 sections) = **0.2500** in



Height (ft)	Top Section					Middle Section						Bottom Section						Total Weight (lbs)	Ground Line				
	Length (ft)	Top Dia. (in)	Base Dia. (in)	Thk. (in)	Weight (lbs)	Slip Joint (ft)	Length (ft)	Top Dia. (in)	Base Dia. (ft)	Thk. (in)	Weight (lbs)	Slip Joint (ft)	Length (ft)	Top Dia. (in)	Base Dia. (ft)	Thk. (in)	Weight (lbs)		From Bot (ft)	Dia. (in)	F-F Cap (ft-k)	P-P Cap (ft-k)	Req'd Mom. (ft-k)
30	30	10.5625	15.8575	0.25	1063													1063	5.0000	14.9750	237.32	229.2	184.0
35	35	10.5625	16.7400	0.25	1283													1283	5.5000	15.7693	263.84	254.9	220.0
40	40	10.5625	17.6225	0.25	1515													1515	6.0000	16.5635	291.77	281.8	256.0
45	45	10.5625	18.5050	0.25	1758													1758	6.5000	17.3578	321.09	310.2	292.0
50	50	10.5625	19.3875	0.25	2014													2014	7.0000	18.1520	351.82	339.8	328.0
55	55	10.5625	20.2700	0.25	2282													2282	7.5000	18.9463	383.96	370.9	364.0
60	40	10.5625	17.9785	0.25	1534							2.5	22.5000	17.0150	21.1865	0.25	1160	2694	8.0000	19.7033	415.90	401.7	400.0
65	47.5	10.5625	19.3690	0.25	1912							2.75	20.2500	18.3592	22.1135	0.25	1107	3019	8.5000	20.5376	452.57	437.1	436.0
70	47.5	10.5625	19.3690	0.25	1912							2.75	25.2500	18.3592	23.0405	0.25	1412	3324	9.0000	21.3719	490.79	474.1	472.0
75	47.5	10.5625	19.3690	0.25	1912							2.75	30.2500	18.3592	23.9675	0.25	1730	3642	9.5000	22.2062	530.57	512.5	508.0
80	47.5	10.5625	19.3690	0.25	1912							2.75	35.2500	18.3592	24.8945	0.25	2061	3973	10.0000	23.0405	571.89	552.4	544.0
85	47.5	10.5625	19.3690	0.25	1912							2.75	40.2500	18.3592	25.8215	0.25	2405	4317	10.5000	23.8748	614.76	593.8	580.0
90	47.5	10.5625	19.3690	0.25	1912							2.75	45.2500	18.3592	26.7485	0.25	2761	4673	11.0000	24.7091	659.19	636.7	616.0
95	47.5	10.5625	19.3690	0.25	1912							2.75	50.2500	18.3592	27.6755	0.25	3129	5041	11.5000	25.5434	705.16	681.1	652.0
100	47.5	10.5625	19.3690	0.25	1912							2.75	55.2500	18.3592	28.6025	0.25	3511	5423	12.0000	26.3777	752.68	727.0	688.0
105	47.5	10.5625	19.3690	0.25	1912	2.75	36.0000	18.3592	25.0336	0.25	2112	3.5	27.7500	23.8847	29.0295	0.25	1989	6013	12.5000	26.7120	772.16	745.8	724.0
110	47.5	10.5625	19.3690	0.25	1912	2.75	36.0000	18.3592	25.0336	0.25	2112	3.5	32.7500	23.8847	29.9565	0.25	2389	6413	13.0000	27.5463	821.85	793.8	760.0
115	47.5	10.5625	19.3690	0.25	1912	2.75	36.0000	18.3592	25.0336	0.25	2112	3.5	37.7500	23.8847	30.8835	0.25	2802	6826	13.5000	28.3806	873.09	843.3	796.0
120	47.5	10.5625	19.3690	0.25	1912	2.75	36.0000	18.3592	25.0336	0.25	2112	3.5	42.7500	23.8847	31.8105	0.25	3227	7251	14.0000	29.2149	925.88	894.3	832.0



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WPE Class: H8

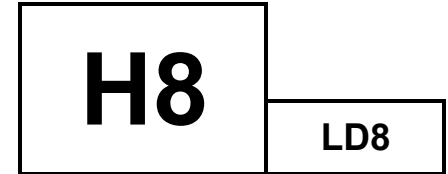
Load: 9,000 Lbs - 2ft From Top

Top Dia. (in) = **11**
 One Section Taper = **0.1903**
 Multi-Section Taper = **0.1994**
 Shape (sides) = **12**

Material Grade = **65** ksi

Max. One Section Length = **55** ft
 Max. Top Section Length = **47.5** ft

Top Section Thk. = **0.2500** in
 Mid Section Thk. = **0.2500** in
 Bot Section Thk. (if 2 sections) = **0.2500** in
 Bot Section Thk. (if 3 sections) = **0.2500** in



Height (ft)	Top Section					Middle Section						Bottom Section						Total Weight (lbs)	Ground Line				
	Length (ft)	Top Dia. (in)	Base Dia. (in)	Thk. (in)	Weight (lbs)	Slip Joint (ft)	Length (ft)	Top Dia. (in)	Base Dia. (ft)	Thk. (in)	Weight (lbs)	Slip Joint (ft)	Length (ft)	Top Dia. (in)	Base Dia. (ft)	Thk. (in)	Weight (lbs)		From Bot (ft)	Dia. (in)	F-F Cap (ft-k)	P-P Cap (ft-k)	Req'd Mom. (ft-k)
30	30	11.0000	16.7090	0.25	1116													1116	5.0000	15.7575	263.44	254.5	207.0
35	35	11.0000	17.6605	0.25	1348													1348	5.5000	16.6139	293.58	283.6	247.5
40	40	11.0000	18.6120	0.25	1593													1593	6.0000	17.4702	325.36	314.3	288.0
45	45	11.0000	19.5635	0.25	1850													1850	6.5000	18.3266	358.76	346.5	328.5
50	50	11.0000	20.5150	0.25	2121													2121	7.0000	19.1829	393.80	380.4	369.0
55	55	11.0000	21.4665	0.25	2405													2405	7.5000	20.0393	430.48	415.8	409.5
60	40	11.0000	18.9760	0.25	1613							2.75	22.7500	17.9277	22.4640	0.25	1241	2854	8.0000	20.8688	467.56	451.6	450.0
65	47.5	11.0000	20.4715	0.25	2012							2.75	20.2500	19.4232	23.4610	0.25	1174	3186	8.5000	21.7661	509.39	492.0	490.5
70	47.5	11.0000	20.4715	0.25	2012							2.75	25.2500	19.4232	24.4580	0.25	1498	3510	9.0000	22.6634	553.02	534.2	531.0
75	47.5	11.0000	20.4715	0.25	2012							2.75	30.2500	19.4232	25.4550	0.25	1836	3848	9.5000	23.5607	598.44	578.1	571.5
80	47.5	11.0000	20.4715	0.25	2012							2.75	35.2500	19.4232	26.4520	0.25	2188	4200	10.0000	24.4580	645.65	623.7	612.0
85	47.5	11.0000	20.4715	0.25	2012							2.75	40.2500	19.4232	27.4490	0.25	2553	4565	10.5000	25.3553	694.66	671.0	652.5
90	47.5	11.0000	20.4715	0.25	2012							2.75	45.2500	19.4232	28.4460	0.25	2932	4944	11.0000	26.2526	745.46	720.1	693.0
95	47.5	11.0000	20.4715	0.25	2012							2.75	50.2500	19.4232	29.4430	0.25	3324	5336	11.5000	27.1499	798.05	770.9	733.5
100	47.5	11.0000	20.4715	0.25	2012							2.75	55.2500	19.4232	30.4400	0.25	3730	5742	12.0000	28.0472	852.43	823.4	774.0
105	47.5	11.0000	20.4715	0.25	2012	2.75	36.0000	19.4232	26.6016	0.25	2241	3.75	28.0000	25.3538	30.9370	0.25	2136	6390	12.5000	28.4445	877.08	847.2	814.5
110	47.5	11.0000	20.4715	0.25	2012	2.75	36.0000	19.4232	26.6016	0.25	2241	3.75	33.0000	25.3538	31.9340	0.25	2563	6816	13.0000	29.3418	934.05	902.2	855.0
115	47.5	11.0000	20.4715	0.25	2012	2.75	36.0000	19.4232	26.6016	0.25	2241	3.75	38.0000	25.3538	32.9310	0.25	3003	7257	13.5000	30.2391	992.81	959.0	895.5
120	47.5	11.0000	20.4715	0.25	2012	2.75	36.0000	19.4232	26.6016	0.25	2241	3.75	43.0000	25.3538	33.9280	0.25	3457	7710	14.0000	31.1364	1039.69	1004.3	936.0



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WPE Class: H9

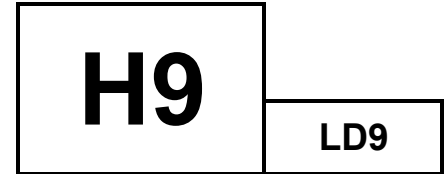
Load: 10,000 Lbs - 2ft From Top

Top Dia. (in) = 11.75
 One Section Taper = 0.1975
 Multi-Section Taper = 0.2065
 Shape (sides) = 12

Material Grade = 65 ksi

Max. One Section Length = 55 ft
 Max. Top Section Length = 47.5 ft

Top Section Thk. = 0.2500 in
 Mid Section Thk. = 0.2500 in
 Bot Section Thk. (if 2 sections) = 0.2500 in
 Bot Section Thk. (if 3 sections) = 0.2500 in



Height (ft)	Top Section					Middle Section						Bottom Section						Total Weight (lbs)	Ground Line				
	Length (ft)	Top Dia. (in)	Base Dia. (in)	Thk. (in)	Weight (lbs)	Slip Joint (ft)	Length (ft)	Top Dia. (in)	Base Dia. (ft)	Thk. (in)	Weight (lbs)	Slip Joint (ft)	Length (ft)	Top Dia. (in)	Base Dia. (ft)	Thk. (in)	Weight (lbs)		From Bot (ft)	Dia. (in)	F-F Cap (ft-k)	P-P Cap (ft-k)	Req'd Mom. (ft-k)
30	30	11.7500	17.6750	0.25	1187													1187	5.0000	16.6875	296.25	286.2	230.0
35	35	11.7500	18.6625	0.25	1432													1432	5.5000	17.5763	329.41	318.2	275.0
40	40	11.7500	19.6500	0.25	1690													1690	6.0000	18.4650	364.32	351.9	320.0
45	45	11.7500	20.6375	0.25	1963													1963	6.5000	19.3538	400.99	387.3	365.0
50	50	11.7500	21.6250	0.25	2248													2248	7.0000	20.2425	439.42	424.4	410.0
55	55	11.7500	22.6125	0.25	2547													2547	7.5000	21.1313	479.61	463.3	455.0
60	40	11.7500	20.0100	0.25	1710							2.75	22.7500	18.9421	23.6400	0.25	1309	3019	8.0000	21.9880	520.02	502.3	500.0
65	47.5	11.7500	21.5588	0.25	2131							3	20.5000	20.4393	24.6725	0.25	1251	3382	8.5000	22.9173	565.69	546.4	545.0
70	47.5	11.7500	21.5588	0.25	2131							3	25.5000	20.4393	25.7050	0.25	1592	3723	9.0000	23.8465	613.28	592.4	590.0
75	47.5	11.7500	21.5588	0.25	2131							3	30.5000	20.4393	26.7375	0.25	1947	4078	9.5000	24.7758	662.80	640.2	635.0
80	47.5	11.7500	21.5588	0.25	2131							3	35.5000	20.4393	27.7700	0.25	2316	4448	10.0000	25.7050	714.24	689.9	680.0
85	47.5	11.7500	21.5588	0.25	2131							3	40.5000	20.4393	28.8025	0.25	2700	4831	10.5000	26.6343	767.60	741.4	725.0
90	47.5	11.7500	21.5588	0.25	2131							3	45.5000	20.4393	29.8350	0.25	3097	5229	11.0000	27.5635	822.89	794.9	770.0
95	47.5	11.7500	21.5588	0.25	2131							3	50.5000	20.4393	30.8675	0.25	3509	5640	11.5000	28.4928	880.10	850.1	815.0
100	47.5	11.7500	21.5588	0.25	2131							3	55.5000	20.4393	31.9000	0.25	3935	6066	12.0000	29.4220	939.23	907.2	860.0
105	47.5	11.7500	21.5588	0.25	2131	3	36.0000	20.4393	27.8733	0.25	2354	4	28.5000	26.5473	32.4325	0.25	2279	6765	12.5000	29.8513	967.19	934.2	905.0
110	47.5	11.7500	21.5588	0.25	2131	3	36.0000	20.4393	27.8733	0.25	2354	4	33.5000	26.5473	33.4650	0.25	2727	7212	13.0000	30.7805	1021.69	986.9	950.0
115	47.5	11.7500	21.5588	0.25	2131	3	36.0000	20.4393	27.8733	0.25	2354	4	38.5000	26.5473	34.4975	0.25	3188	7673	13.5000	31.7098	1068.67	1032.3	995.0
120	47.5	11.7500	21.5588	0.25	2131	3	36.0000	20.4393	27.8733	0.25	2354	4	43.5000	26.5473	35.5300	0.25	3663	8149	14.0000	32.6390	1115.59	1077.6	1040.0



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WPE Class: H10

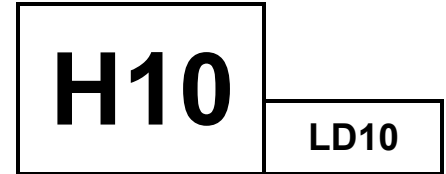
Load: 11,000 Lbs - 2ft From Top

Top Dia. (in) = **11.875**
 One Section Taper = **0.2149**
 Multi-Section Taper = **0.2240**
 Shape (sides) = **12**

Material Grade = **65** ksi

Max. One Section Length = **55** ft
 Max. Top Section Length = **47.5** ft

Top Section Thk. = **0.2500** in
 Mid Section Thk. = **0.2500** in
 Bot Section Thk. (if 2 sections) = **0.2500** in
 Bot Section Thk. (if 3 sections) = **0.2500** in



Height (ft)	Top Section					Middle Section						Bottom Section						Total Weight (lbs)	Ground Line				
	Length (ft)	Top Dia. (in)	Base Dia. (in)	Thk. (in)	Weight (lbs)	Slip Joint (ft)	Length (ft)	Top Dia. (in)	Base Dia. (ft)	Thk. (in)	Weight (lbs)	Slip Joint (ft)	Length (ft)	Top Dia. (in)	Base Dia. (ft)	Thk. (in)	Weight (lbs)		From Bot (ft)	Dia. (in)	F-F Cap (ft-k)	P-P Cap (ft-k)	Req'd Mom. (ft-k)
30	30	11.8750	18.3220	0.25	1218													1218	5.0000	17.2475	316.94	306.1	253.0
35	35	11.8750	19.3965	0.25	1473													1473	5.5000	18.2146	354.30	342.2	302.5
40	40	11.8750	20.4710	0.25	1742													1742	6.0000	19.1816	393.75	380.3	352.0
45	45	11.8750	21.5455	0.25	2026													2026	6.5000	20.1487	435.28	420.4	401.5
50	50	11.8750	22.6200	0.25	2325													2325	7.0000	21.1157	478.89	462.6	451.0
55	55	11.8750	23.6945	0.25	2638													2638	7.5000	22.0828	524.59	506.7	500.5
60	40	11.8750	20.8350	0.25	1762							3	23.0000	19.6630	24.8150	0.25	1383	3145	8.0000	23.0230	571.01	551.6	550.0
65	47.5	11.8750	22.5150	0.25	2202							3.25	20.7500	21.2870	25.9350	0.25	1326	3528	8.5000	24.0310	622.96	601.7	599.5
70	47.5	11.8750	22.5150	0.25	2202							3.25	25.7500	21.2870	27.0550	0.25	1685	3886	9.0000	25.0390	677.18	654.1	649.0
75	47.5	11.8750	22.5150	0.25	2202							3.25	30.7500	21.2870	28.1750	0.25	2059	4261	9.5000	26.0470	733.66	708.7	698.5
80	47.5	11.8750	22.5150	0.25	2202							3.25	35.7500	21.2870	29.2950	0.25	2449	4650	10.0000	27.0550	792.40	765.4	748.0
85	47.5	11.8750	22.5150	0.25	2202							3.25	40.7500	21.2870	30.4150	0.25	2854	5055	10.5000	28.0630	853.40	824.3	797.5
90	47.5	11.8750	22.5150	0.25	2202							3.25	45.7500	21.2870	31.5350	0.25	3274	5475	11.0000	29.0710	916.67	885.4	847.0
95	47.5	11.8750	22.5150	0.25	2202							3.25	50.7500	21.2870	32.6550	0.25	3709	5911	11.5000	30.0790	982.19	948.7	896.5
100	47.5	11.8750	22.5150	0.25	2202							3.25	55.7500	21.2870	33.7750	0.25	4160	6362	12.0000	31.0870	1037.19	1001.9	946.0
105	47.5	11.8750	22.5150	0.25	2202	3.25	36.0000	21.2870	29.3510	0.25	2469	4	28.7500	27.9550	34.3950	0.25	2432	7102	12.5000	31.5950	1062.87	1026.7	995.5
110	47.5	11.8750	22.5150	0.25	2202	3.25	36.0000	21.2870	29.3510	0.25	2469	4	33.7500	27.9550	35.5150	0.25	2907	7577	13.0000	32.6030	1113.77	1075.8	1045.0
115	47.5	11.8750	22.5150	0.25	2202	3.25	36.0000	21.2870	29.3510	0.25	2469	4	38.7500	27.9550	36.6350	0.25	3397	8067	13.5000	33.6110	1164.49	1124.8	1094.5
120	47.5	11.8750	22.5150	0.25	2202	3.25	36.0000	21.2870	29.3510	0.25	2469	4	43.7500	27.9550	37.7550	0.25	3902	8572	14.0000	34.6190	1214.92	1173.5	1144.0



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WPE Class: H11

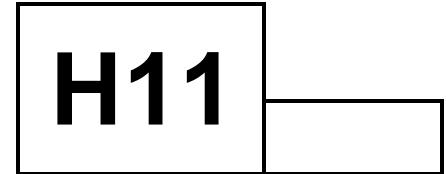
Load: 12,000 Lbs - 2ft From Top

Top Dia. (in) = **12.5**
 One Section Taper = **0.2270**
 Multi-Section Taper = **0.2360**
 Shape (sides) = **12**

Material Grade = **65** ksi

Max. One Section Length = **55** ft
 Max. Top Section Length = **47.5** ft

Top Section Thk. = **0.2500** in
 Mid Section Thk. = **0.2500** in
 Bot Section Thk. (if 2 sections) = **0.2500** in
 Bot Section Thk. (if 3 sections) = **0.2500** in



Height (ft)	Top Section					Middle Section						Bottom Section						Total Weight (lbs)	Ground Line				
	Length (ft)	Top Dia. (in)	Base Dia. (in)	Thk. (in)	Weight (lbs)	Slip Joint (ft)	Length (ft)	Top Dia. (in)	Base Dia. (ft)	Thk. (in)	Weight (lbs)	Slip Joint (ft)	Length (ft)	Top Dia. (in)	Base Dia. (ft)	Thk. (in)	Weight (lbs)		From Bot (ft)	Dia. (in)	F-F Cap (ft-k)	P-P Cap (ft-k)	Req'd Mom. (ft-k)
30	30	12.5000	19.3100	0.25	1285													1285	5.0000	18.1750	352.73	340.7	276.0
35	35	12.5000	20.4450	0.25	1553													1553	5.5000	19.1965	394.37	380.9	330.0
40	40	12.5000	21.5800	0.25	1837													1837	6.0000	20.2180	438.34	423.4	384.0
45	45	12.5000	22.7150	0.25	2137													2137	6.5000	21.2395	484.63	468.1	438.0
50	50	12.5000	23.8500	0.25	2452													2452	7.0000	22.2610	533.23	515.1	492.0
55	55	12.5000	24.9850	0.25	2782													2782	7.5000	23.2825	584.17	564.3	546.0
60	40	12.5000	21.9400	0.25	1857							3	23.0000	20.7320	26.1600	0.25	1459	3316	8.0000	24.2720	635.72	614.1	600.0
65	47.5	12.5000	23.7100	0.25	2320							3.25	20.7500	22.4430	27.3400	0.25	1399	3718	8.5000	25.3340	693.47	669.8	654.0
70	47.5	12.5000	23.7100	0.25	2320							3.25	25.7500	22.4430	28.5200	0.25	1777	4097	9.0000	26.3960	753.74	728.1	708.0
75	47.5	12.5000	23.7100	0.25	2320							3.25	30.7500	22.4430	29.7000	0.25	2172	4492	9.5000	27.4580	816.52	788.7	762.0
80	47.5	12.5000	23.7100	0.25	2320							3.25	35.7500	22.4430	30.8800	0.25	2583	4903	10.0000	28.5200	881.80	851.8	816.0
85	47.5	12.5000	23.7100	0.25	2320							3.25	40.7500	22.4430	32.0600	0.25	3010	5330	10.5000	29.5820	949.60	917.2	870.0
90	47.5	12.5000	23.7100	0.25	2320							3.25	45.7500	22.4430	33.2400	0.25	3453	5773	11.0000	30.6440	1014.79	980.2	924.0
95	47.5	12.5000	23.7100	0.25	2320							3.25	50.7500	22.4430	34.4200	0.25	3912	6232	11.5000	31.7060	1068.48	1032.1	978.0
100	47.5	12.5000	23.7100	0.25	2320							3.25	55.7500	22.4430	35.6000	0.25	4387	6707	12.0000	32.7680	1122.09	1083.9	1032.0
105	47.5	12.5000	23.7100	0.25	2320	3.25	36.0000	22.4430	30.9390	0.25	2604	4.25	29.0000	29.4360	36.2800	0.25	2587	7510	12.5000	33.3300	1150.38	1111.2	1086.0
110	47.5	12.5000	23.7100	0.25	2320	3.25	36.0000	22.4430	30.9390	0.25	2604	4.25	34.0000	29.4360	37.4600	0.25	3087	8011	13.0000	34.3920	1203.59	1162.6	1140.0
115	47.5	12.5000	23.7100	0.25	2320	3.25	36.0000	22.4430	30.9390	0.25	2604	4.25	39.0000	29.4360	38.6400	0.25	3604	8528	13.5000	35.4540	1256.40	1213.6	1194.0
120	47.5	12.5000	23.7100	0.25	2320	3.25	36.0000	22.4430	30.9390	0.25	2604	4.25	44.0000	29.4360	39.8200	0.25	4138	9061	14.0000	36.5160	1308.65	1264.1	1248.0



8653 E. Highway 67
 Alvarado, TX 76009
 Office: 817-852-1700
 www.SabreTubularStructures.com

WPE Class: H12

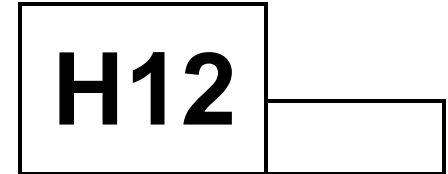
Load: 13,000 Lbs - 2ft From Top

Top Dia. (in) = **13.5**
 One Section Taper = **0.2212**
 Multi-Section Taper = **0.2480**
 Shape (sides) = **12**

Material Grade = **65** ksi

Max. One Section Length = **55** ft
 Max. Top Section Length = **47.5** ft

Top Section Thk. = **0.2500** in
 Mid Section Thk. = **0.2500** in
 Bot Section Thk. (if 2 sections) = **0.2500** in
 Bot Section Thk. (if 3 sections) = **0.2500** in



Height (ft)	Top Section					Middle Section						Bottom Section						Total Weight (lbs)	Ground Line				
	Length (ft)	Top Dia. (in)	Base Dia. (in)	Thk. (in)	Weight (lbs)	Slip Joint (ft)	Length (ft)	Top Dia. (in)	Base Dia. (ft)	Thk. (in)	Weight (lbs)	Slip Joint (ft)	Length (ft)	Top Dia. (in)	Base Dia. (ft)	Thk. (in)	Weight (lbs)		From Bot (ft)	Dia. (in)	F-F Cap (ft-k)	P-P Cap (ft-k)	Req'd Mom. (ft-k)
30	30	13.5000	20.1360	0.25	1360													1360	5.0000	19.0300	387.43	374.2	299.0
35	35	13.5000	21.2420	0.25	1639													1639	5.5000	20.0254	429.87	415.2	357.5
40	40	13.5000	22.3480	0.25	1934													1934	6.0000	21.0208	474.52	458.4	416.0
45	45	13.5000	23.4540	0.25	2244													2244	6.5000	22.0162	521.37	503.6	474.5
50	50	13.5000	24.5600	0.25	2568													2568	7.0000	23.0116	570.43	551.0	533.0
55	55	13.5000	25.6660	0.25	2909													2909	7.5000	24.0070	621.70	600.5	591.5
60	40	13.5000	23.4200	0.25	1992							3.25	23.2500	22.1140	27.8800	0.25	1574	3566	8.0000	25.8960	725.05	700.3	650.0
65	47.5	13.5000	25.2800	0.25	2487							3.5	21.0000	23.9120	29.1200	0.25	1509	3996	8.5000	27.0120	789.85	762.9	708.5
70	47.5	13.5000	25.2800	0.25	2487							3.5	26.0000	23.9120	30.3600	0.25	1912	4399	9.0000	28.1280	857.41	828.2	767.0
75	47.5	13.5000	25.2800	0.25	2487							3.5	31.0000	23.9120	31.6000	0.25	2332	4819	9.5000	29.2440	927.75	896.1	825.5
80	47.5	13.5000	25.2800	0.25	2487							3.5	36.0000	23.9120	32.8400	0.25	2770	5256	10.0000	30.3600	1000.44	966.3	884.0
85	47.5	13.5000	25.2800	0.25	2487							3.5	41.0000	23.9120	34.0800	0.25	3224	5711	10.5000	31.4760	1056.86	1020.8	942.5
90	47.5	13.5000	25.2800	0.25	2487							3.5	46.0000	23.9120	35.3200	0.25	3695	6182	11.0000	32.5920	1113.22	1075.3	1001.0
95	47.5	13.5000	25.2800	0.25	2487							3.5	51.0000	23.9120	36.5600	0.25	4183	6670	11.5000	33.7080	1169.36	1129.5	1059.5
100	47.5	13.5000	25.2800	0.25	2487							3.5	56.0000	23.9120	37.8000	0.25	4688	7175	12.0000	34.8240	1225.13	1183.4	1118.0
105	47.5	13.5000	25.2800	0.25	2487	3.5	36.0000	23.9120	32.8400	0.25	2770	4.5	29.5000	31.2240	38.5400	0.25	2795	8051	12.5000	35.4400	1255.70	1212.9	1176.5
110	47.5	13.5000	25.2800	0.25	2487	3.5	36.0000	23.9120	32.8400	0.25	2770	4.5	34.5000	31.2240	39.7800	0.25	3327	8583	13.0000	36.5560	1310.61	1266.0	1235.0
115	47.5	13.5000	25.2800	0.25	2487	3.5	36.0000	23.9120	32.8400	0.25	2770	4.5	39.5000	31.2240	41.0200	0.25	3876	9132	13.5000	37.6720	1364.77	1318.3	1293.5
120	47.5	13.5000	25.2800	0.25	2487	3.5	36.0000	23.9120	32.8400	0.25	2770	4.5	44.5000	31.2240	42.2600	0.25	4442	9698	14.0000	38.7880	1418.02	1369.7	1352.0