





Comparison of Species

	WESTERN RED CEDAR	RED PINE	SOUTHERN YELLOW PINE	DOUGLAS FIR
				
Lengths Available	30' – 125'	30' – 65'	30' – 65'	30' – 125'
Estimated Treated Weights of Selected Sizes:				
5/35'	464#	610#	755#	608#
4/40'	651#	870#	1,082#	888#
5/40'	581#	750#	939#	776#
3/45'	902#	1,190#	1,505#	1,228#
Fiber Stress (Table I ANSI 05.1)	6,000 PSI	6,600 PSI	8,000 PSI	8,000 PSI
Circumference of Selected Sizes:	TOP BUTT	TOP BUTT	TOP BUTT	TOP BUTT
5/35'	19" 32"	19" 31"	19" 29"	19" 29"
4/40'	21" 36.5"	21" 35.5"	21" 33.5"	21" 33.5"
5/40'	19" 34.0"	19" 33"	19" 31"	19" 31"
3/45'	23" 41.5"	23" 40"	23" 37.5"	23" 37.5"
Conditioning (Table I ANSI 05.1)	Air Seasoning, Kiln Drying	Air Seasoning, Kiln Drying	Kiln Drying, Steam Conditioning	Air Seasoning, Kiln Drying
Sapwood	3/8" - .5"	3" Average	2.5" – 3.5"	2.0" – 3.0"
Heartwood Treatment:	Durable	Non-Durable	Non-Durable	Non-Durable
	Poles will be treated to the appropriate zone based on the industry standards or customer preference.	Poles will be treated to the appropriate zone based on the industry standards or customer preference.	Poles will be treated to the appropriate zone based on the industry standards or customer preference.	Poles will be treated to the appropriate zone based on the industry standards or customer preference.
Treatment:				
CCA	Yes	Yes	Yes	No
Penta	Yes	Yes	Yes	Yes
Creosote	Yes	Yes	Yes	Yes
CuNAP	Yes	No	No	Yes

ANSI dimensions of Southern Yellow Pine Poles

Length (feet)	class														
	H-6	H-5	H-4	H-3	H-2	H-1	1	2	3	4	5	6	7	9	10
	minimum circumference at top (inches)														
	39	37	35	33	31	29	27	25	23	21	19	17	15	15	12
minimum circumference at 6 feet from butt (inches)															
20							31.0	29.0	27.0	25.0	23.0	21.0	19.5	17.5	14.0
25							33.5	31.5	29.5	27.5	25.5	23.0	21.5	19.5	15.0
30							36.5	34.0	32.0	29.5	27.5	25.0	23.5	20.5	
35					43.5	41.5	39.0	36.5	34.0	31.5	29.0	27.0	25.0		
40			51.0	48.5	46.0	43.5	41.0	38.5	36.0	33.5	31.0	28.5			
45	58.5	56.0	53.5	51.0	48.5	45.5	43.00	40.5	37.5	35.0	32.5	30.0			
50	61.0	58.5	55.5	53.0	50.5	47.5	45.0	42.0	39.0	36.5	34.0				
55	63.5	60.5	58.0	55.0	52.0	49.5	46.5	43.5	40.5	38.0					
60	65.5	62.5	59.5	57.0	54.0	51.0	48.0	45.0	42.0	39.0					
65	67.5	64.5	61.5	58.5	55.5	52.5	49.5	46.5	43.5	40.5					
70	69.0	66.5	63.5	60.5	57.0	54.0	51.0	48.0	45.0	41.5					
75	71.0	68.0	65.0	62.0	59.0	55.5	52.5	49.0	46.0						
80	72.5	69.5	66.5	63.5	60.0	57.0	54.0	50.5	47.0						
85	74.5	71.5	68.0	65.0	61.5	58.5	55.0	51.5	48.0						
90	76.0	73.0	69.5	66.5	63.0	59.5	56.0	53.0	49.0						
95	77.5	74.5	71.0	67.5	64.5	61.0	57.0	54.0							
100	79.0	76.0	72.5	69.0	65.5	62.0	58.5	55.0							
105	80.5	77.0	74.0	70.5	67.0	63.0	59.5	56.0							
110	82.0	78.5	75.0	71.5	68.0	64.5	60.5	57.0							
115	83.5	80.0	76.5	72.5	69.0	65.5	61.5	58.0							
120	85.0	81.0	77.5	74.0	70.0	66.5	62.5	59.0							
125	86.0	82.5	78.5	75.0	71.0	67.5	63.5	59.5							



Estimated treated shipping weights of Southern Yellow Pine Poles

	class													
	H-6	H-5	H-4	H-3	H-2	H-1	1	2	3	4	5	6	7	9
	weight (in pounds)													
25							777	671	582	512	442	371	318	230
30							1024	901	777	671	582	512	424	318
35						1572	1324	1148	985	865	742	636	548	
40			2702	2419	2136	1942	1642	1430	1236	1077	936	794		
45	3956	3567	3232	2914	2542	2278	1977	1713	1483	1289	1112			
50	4626	4167	3778	3408	2984	2666	2348	2030	1766	1536	1836			
55	5315	4838	4326	3867	3478	3054	2737	2384	2066	1784				
60	6021	5403	4926	4432	3902	3461	3160	2720	2366	2048				
65	6763	6127	5527	4980	4396	3902	3584	3108	2702	2348				
70	7522	6869	6233	5527	4926	4362	4044	3514	3037	2631				
75	8352	7628	6851	6127	5456	4856	4520	3920	3390	2949				
80	9164	8334	7310	6745	6004	5368	5014	4344	3761	3266				
85	10030	9076	8334	7416	6551	5844	5527	4785	4150					
90	10594	9588	8316	8069	6957	6056	6056	5244						