

POST CAPACITIES

Post Allowable Compression Loads for Douglas-Fir-Larch

Framing	Lumber		Perp to Grain, P _c ⊥	Compression Capacity Parallel to Grain, P _c (100)					Compression Capacity Parallel to Grain, P _c (160)				
	Size	Grade		Nominal Top Plate Height (ft.)					Nominal Top Plate Height (ft.)				
				8	9	10	11	12	8	9	10	11	12
4-Inch Wall	2x4	#2	3280	3170	2565	2105	1755	1485	3345	2665	2170	1795	1510
	3x4	#2	5470	5285	4275	3510	2930	2475	5570	4440	3615	2995	2520
	2-2x4	#2	6565	6340	5130	4215	3515	2970	6685	5330	4335	3590	3020
	4x4	#2	7655	7395	5985	4915	4100	3465	7800	6215	5060	4190	3525
	3-2x4	#2	9845	9510	7695	6320	5270	4455	10030	7995	6505	5390	4535
	4x6	#2	12030	11540	9360	7700	6425	5430	12215	9745	7935	6575	5535
	4x8	#2	15860	15090	12270	10105	8440	7140	16035	12805	10435	8650	7285
	4x10	#2	20235	19080	15555	12835	10730	9085	20365	16285	13280	11015	9280
6-Inch Wall	2x6	#2	5155	8970	7940	6935	6025	5235	11030	9230	7740	6535	5575
	3x6	#2	8595	14945	13235	11560	10040	8725	18385	15380	12895	10895	9290
	2-2x6	#2	10315	17935	15885	13875	12050	10470	22060	18455	15475	13075	11145
	4x6	#2	12030	20925	18530	16185	14060	12215	25735	21530	18055	15255	13005
	3-2x6	#2	15470	26905	23825	20810	18075	15705	33090	27685	23215	19610	16720
	6x6	#1	18905	25260	23500	21505	19415	17375	34255	30035	26025	22475	19450
	6x8	#1	25780	34450	32045	29320	26475	23690	46715	40955	35485	30645	26520

Post Allowable Compression Loads for Southern Pine

Framing	Lumber		Perp to Grain, P _c ⊥	Compression Capacity Parallel to Grain, P _c (100)					Compression Capacity Parallel to Grain, P _c (160)				
	Size	Grade		Nominal Top Plate Height (ft.)					Nominal Top Plate Height (ft.)				
				8	9	10	11	12	8	9	10	11	12
4-Inch Wall	2x4	#2	2965	2815	2270	1860	1550	1310	2955	2350	1910	1580	1330
	3x4	#2	4945	4690	3785	3105	2585	2180	4920	3920	3185	2635	2220
	2-2x4	#2	5935	5625	4540	3725	3100	2620	5905	4700	3820	3165	2660
	4x4	#2	6920	6565	5295	4345	3615	3055	6890	5485	4460	3690	3105
	3-2x4	#2	8900	8440	6810	5585	4650	3925	8860	7050	5735	4745	3990
	4x6	#2	10875	10260	8295	6810	5675	4790	10800	8600	6995	5795	4875
	4x8	#2	14335	13450	10890	8950	7460	6305	14195	11315	9210	7630	6420
	4x10	#2	18290	17055	13835	11380	9495	8030	18055	14405	11730	9720	8180
6-Inch Wall	2x6	#2	4660	8195	7190	6230	5385	4660	9905	8235	6875	5795	4930
	3x6	#2	7770	13655	11980	10385	8975	7765	16510	13725	11460	9655	8220
	2-2x6	#2	9325	16390	14375	12465	10765	9320	19810	16470	13755	11590	9865
	4x6	#2	10875	19120	16775	14540	12560	10875	23115	19215	16045	13520	11505
	3-2x6	#2	13985	24580	21565	18695	16150	13980	29715	24700	20630	17385	14795
	6x6	#1	17090	21495	20270	18835	17260	15655	30025	26820	23595	20610	17975
	6x8	#1	23305	29315	27640	25680	23540	21345	40940	36575	32180	28105	24515

Post Allowable Compression Loads for Spruce-Pine-Fir

Framing	Lumber		Perp to Grain, P _c ⊥	Compression Capacity Parallel to Grain, P _c (100)					Compression Capacity Parallel to Grain, P _c (160)				
	Size	Grade		Nominal Top Plate Height (ft.)					Nominal Top Plate Height (ft.)				
				8	9	10	11	12	8	9	10	11	12
4-Inch Wall	2x4	#1/#2	2230	2775	2250	1850	1540	1305	2930	2340	1905	1575	1325
	3x4	#1/#2	3720	4625	3745	3080	2570	2170	4885	3895	3175	2630	2210
	2-2x4	#1/#2	4465	5545	4495	3695	3085	2605	5865	4675	3805	3155	2655
	4x4	#1/#2	5205	6470	5245	4310	3595	3040	6840	5455	4440	3680	3095
	3-2x4	#1/#2	6695	8320	6745	5545	4625	3910	8795	7015	5710	4730	3980
	4-2x4	#1/#2	8925	11095	8990	7395	6165	5215	11730	9355	7615	6310	5310
6-Inch Wall	2x6	#1/#2	3505	7745	6885	6035	5255	4575	9600	8055	6770	5725	4885
	3x6	#1/#2	5845	12905	11475	10060	8760	7625	16000	13425	11280	9545	8145
	2-2x6	#1/#2	7015	15485	13770	12070	10515	9150	19200	16110	13540	11450	9770
	3-2x6	#1/#2	10520	23230	20660	18110	15770	13730	28795	24165	20305	17180	14660
	4-2x6	#1/#2	14025	30970	27545	24145	21025	18305	38395	32225	27075	22905	19545

Post Allowable Compression Loads for Hem-Fir

Framing	Lumber		Perp to Grain, P _c ⊥	Compression Capacity Parallel to Grain, P _c (100)					Compression Capacity Parallel to Grain, P _c (160)				
	Size	Grade		Nominal Top Plate Height (ft.)					Nominal Top Plate Height (ft.)				
				8	9	10	11	12	8	9	10	11	12
4-Inch Wall	2x4	#2	2125	2630	2115	1730	1435	1210	2745	2180	1770	1465	1230
	3x4	#2	3545	4385	3525	2880	2395	2020	4570	3630	2950	2440	2050
	2-2x4	#2	4255	5260	4230	3460	2875	2425	5485	4355	3540	2925	2460
	4x4	#2	4960	6140	4935	4035	3355	2830	6400	5085	4125	3415	2870
	3-2x4	#2	6380	7890	6340	5185	4310	3635	8230	6535	5305	4390	3690
	4-2x4	#2	8505	10525	8455	6915	5750	4850	10970	8715	7075	5855	4920
6-Inch Wall	2x6	#2	3340	7950	6880	5905	5065	4365	9385	7735	6425	5395	4580
	3x6	#2	5570	13250	11470	9840	8440	7270	15640	12890	10710	8995	7635
	2-2x6	#2	6685	15900	13765	11810	10130	8725	18765	15470	12850	10790	9165
	3-2x6	#2	10025	23855	20645	17715	15195	13090	28150	23205	19275	16185	13745
	4-2x6	#2	13365	31805	27525	23620	20260	17455	37535	30935	25700	21585	18325