

Dimension Lumber Base Values

SPFs and SPF

2" to 4" Thick by 2" and Wider

(Pounds per Square Inch)

Species Group	Grade	Extreme Fiber Stress in Bending	Tension Parallel to Grain	Horizontal Shear	Compression		Modulus of Elasticity
					Perpendicular to Grain	Parallel to Grain	
SPFs	Sel. Str.	1300	575	135	335	1200	1,300,000
	No. 1	875	400	135	335	1050	1,200,000
	No. 2	775	350	135	335	1000	1,100,000
	No. 3	450	200	135	335	575	1,000,000
	Construction	875	400	135	335	1200	1,000,000
	Standard	500	225	135	335	1000	900,000
	Utility	225	100	135	335	675	900,000
Stud	600	275	135	335	625	1,000,000	
SPF	Sel. Str.	1250	700	135	425	1400	1,500,000
	No. 1 **	875	450	135	425	1150	1,400,000
	No. 2 **	875	450	135	425	1150	1,400,000
	No. 3	500	250	135	425	650	1,200,000
	Construction	1000	500	135	425	1400	1,300,000
	Standard	550	275	135	425	1150	1,200,000
	Utility	275	125	135	425	750	1,100,000
Stud	675	350	135	425	725	1,200,000	

** Note: For Canadian SPF, the values for No. 1 and No.2 are identical based upon the testing methodology used to derive 1991 design values.