

DESIGN VALUES (psi)

Species & Size	Grade	Extreme Fiber Stress in Bending Fb	Tension Parallel to Grain Ft	Compression Parallel to Grain F _{cl}	Modulus Of Elasticity E	Compression Perp. to Grain F _c	Horizontal Shear F _v	Weight/ MBF #
Douglas Fir 2x4 221 pc. Unit	2500 Fb	2500	1925	2025	2.2	830	190	2078
	2250Fb	2250	1600	1925	2.0	775	185	1846
	Sel. Str.	2250	1500	1955	1.9	625	180	
	1800Fb	1800	1200	1750	1.8	750	180	1874
	#1 Btr	1800	1200	1785	1.8	625	180	
	#1	1500	1015	1725	1.7	625	180	
	#2	1350	865	1555	1.6	625	180	1782
	Const. Std	1000 575	650 375	1650 1400	1.5 1.4	625 625	180 180	1821
Douglas Fir 2x6 136 pc . unit	2500Fb	2500	1925	2025	2.2	830	190	2231
	2250Fb	2250	1600	1925	2.0	775	185	1988
	Sel. Str.	1950	1300	1870	1.9	625	180	
	1800Fb	1800	1200	1750	1.8	750	180	1945
	#1 Btr.	1560	1040	1705	1.8	625	180	
	#1	1300	880	1650	1.7	625	180	
	#2	1170	750	1485	1.6	625	180	1877
Douglas Fir 2x8 102 pc. Unit	2250Fb	2250	1750	1925	2.0	775	185	2146
	Sel. Str.	1800	1200	1785	1.9	625	180	
	1950Fb	1950	1375	1825	1.9	750	180	2146
	#1 Btr	1440	960	1630	1.8	625	180	
	#1	1200	810	1575	1.7	625	180	
	#2	1080	690	1420	1.6	625	180	1820

The grades in bold are currently being produced by Frank Lumber Co., Inc. Other grades are shown for comparison. MOE in million psi.