



Allowable Properties *for* Dimension Lumber

Imported Species

listed in
Standard Grading Rules No. 17

Updated & Revised
May 1

2005

**ALLOWABLE PROPERTIES
FOR
DIMENSION LUMBER**

listed in Standard Grading Rules No. 17
updated and revised
May 1, 2005

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Note:

While West Coast Lumber Inspection Bureau works to ensure the accuracy of this document, errors may have occurred in its preparation. Updates and Errata, when necessary are posted on the WCLIB website www.wclib.org. Technical inquiries may be directed to WCLIB at info@wclib.org or by phone to (503) 639-0651.



Allowable Property Values - Austrian Spruce from Austria & Czech Republic

Austrian Spruce from Austria & Czech Republic

Grade	Extreme fiber in bending		Tension parallel to grain	Comp. parallel to grain	Comp. Perpen. to grain	Horiz. shear	Modulus of elasticity	
	Fb (psi)		Ft (psi)	Fc (psi)	Fc [⊥] (psi)	Fv (psi)	E (psi)	
	2" nom.	4" nom.						
BASE VALUES								
Select Structural	1,500		675	1,250	260	175	1,700,000	
No. 1	1,000		450	1,100	260	175	1,600,000	
No. 2	925		400	1,050	260	175	1,500,000	
No. 3	525		225	625	260	175	1,300,000	
Construction Standard	1,050		475	1,300	260	175	1,400,000	
Utility	575		250	1,100	260	175	1,300,000	
Stud	275		125	725	260	175	1,200,000	
Stud	725		325	675	260	175	1,300,000	
2x4 Size Adjusted Values								
Select Structural	2,250	2,250	1,015	1,440	260	175	1,700,000	
No. 1	1,500	1,500	675	1,265	260	175	1,600,000	
No. 2	1,390	1,390	600	1,210	260	175	1,500,000	
No. 3	790	790	340	720	260	175	1,300,000	
Construction Standard	1,050	1,050	475	1,300	260	175	1,400,000	
Utility	575	575	250	1,100	260	175	1,300,000	
Stud	275	275	125	725	260	175	1,200,000	
Stud	800	800	360	710	260	175	1,300,000	
2x6 Size Adjusted Values								
Select Structural	1,950	1,950	880	1,375	260	175	1,700,000	
No. 1	1,300	1,300	585	1,210	260	175	1,600,000	
No. 2	1,205	1,205	520	1,155	260	175	1,500,000	
No. 3	685	685	295	690	260	175	1,300,000	
Stud	725	725	325	675	260	175	1,300,000	
2x8 Size Adjusted Values								
Select Structural	1,800	1,950	810	1,315	260	175	1,700,000	
No. 1	1,200	1,300	540	1,155	260	175	1,600,000	
No. 2	1,110	1,205	480	1,105	260	175	1,500,000	
No. 3	630	685	270	655	260	175	1,300,000	
Stud	630	685	270	655	260	175	1,300,000	
2x10 Size Adjusted Values								
Select Structural	1,650	1,800	745	1,250	260	175	1,700,000	
No. 1	1,100	1,200	495	1,100	260	175	1,600,000	
No. 2	1,020	1,110	440	1,050	260	175	1,500,000	
No. 3	580	630	250	625	260	175	1,300,000	
Stud	580	630	250	625	260	175	1,300,000	
2x12 Size Adjusted Values								
Select Structural	1,500	1,650	675	1,250	260	175	1,700,000	
No. 1	1,000	1,100	450	1,100	260	175	1,600,000	
No. 2	925	1,020	400	1,050	260	175	1,500,000	
No. 3	525	580	225	625	260	175	1,300,000	
Stud	525	580	225	625	260	175	1,300,000	
2x14 & Wdr. Size Adjusted Values								
Select Structural	1,350	1,500	610	1,125	260	175	1,700,000	
No. 1	900	1,000	405	990	260	175	1,600,000	
No. 2	835	925	360	945	260	175	1,500,000	
No. 3	475	525	205	565	260	175	1,300,000	
Stud	475	525	205	565	260	175	1,300,000	
Specific Gravity (all grades) = 0.43								
Notes: All values are in pounds per square inch (psi). Values for specific widths are the product of the Base Value for the grade and the width adjustment factor (see Standard Grading Rules No. 17, Para. 200 Table 4). Values for specific sizes are rounded to the nearest 5 psi. Property values are for dimension lumber surfaced either green or dry used at 19% maximum moisture content as in most covered structures. For other use conditions see WCLIB Standard Grading Rules No. 17. Allowable property values are for Normal Loading. Published property values are developed in accordance with ASTM standards D1990, D2555, D245. Published Base Values are approved by the American Lumber Standard Committee Board of Review. Assigned Specific Gravity for all grades = 0.43								
Prepared by West Coast Lumber Inspection Bureau				4/29/2005		Approved		7/24/2003

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Allowable Property Values -

Norway Spruce from Baltic Countries - Estonia, Latvia, & Lithuania

**Norway Spruce
from Baltic Countries
Estonia, Latvia, & Lithuania**

Grade	Extreme fiber in bending		Tension parallel to grain	Comp. parallel to grain	Comp. Perpen. to grain	Horiz. shear	Modulus of elasticity
	Fb (psi)		Ft (psi)	Fc (psi)	Fc [⊥] (psi)	Fv (psi)	E (psi)
	2" nom.	4" nom.					
BASE VALUES							
Select Structural	1,200		550	1,200	430	150	1,600,000
No. 1	825		375	1,050	430	150	1,400,000
No. 2	725		325	950	430	150	1,200,000
No. 3	425		200	550	430	150	1,100,000
Construction Standard	825		375	1,150	430	150	1,100,000
Utility Stud	450		200	975	430	150	1,000,000
	225		100	650	430	150	1,000,000
	575		250	600	430	150	1,100,000
2x4 Size Adjusted Values							
Select Structural	1,800	1,800	825	1,380	430	150	1,600,000
No. 1	1,240	1,240	565	1,210	430	150	1,400,000
No. 2	1,090	1,090	490	1,095	430	150	1,200,000
No. 3	640	640	300	635	430	150	1,100,000
Construction Standard	825	825	375	1,150	430	150	1,100,000
Utility Stud	450	450	200	975	430	150	1,000,000
	225	225	100	650	430	150	1,000,000
	635	635	275	630	430	150	1,100,000
2x6 Size Adjusted Values							
Select Structural	1,560	1,560	715	1,320	430	150	1,600,000
No. 1	1,075	1,075	490	1,155	430	150	1,400,000
No. 2	945	945	425	1,045	430	150	1,200,000
No. 3	555	555	260	605	430	150	1,100,000
Stud	575	575	250	600	430	150	1,100,000
2x8 Size Adjusted Values							
Select Structural	1,440	1,560	660	1,260	430	150	1,600,000
No. 1	990	1,075	450	1,105	430	150	1,400,000
No. 2	870	945	390	1,000	430	150	1,200,000
No. 3	510	555	240	580	430	150	1,100,000
Stud	510	555	240	580	430	150	1,100,000
2x10 Size Adjusted Values							
Select Structural	1,320	1,440	605	1,200	430	150	1,600,000
No. 1	910	990	415	1,050	430	150	1,400,000
No. 2	800	870	360	950	430	150	1,200,000
No. 3	470	510	220	550	430	150	1,100,000
Stud	470	510	220	550	430	150	1,100,000
2x12 Size Adjusted Values							
Select Structural	1,200	1,320	550	1,200	430	150	1,600,000
No. 1	825	910	375	1,050	430	150	1,400,000
No. 2	725	800	325	950	430	150	1,200,000
No. 3	425	470	200	550	430	150	1,100,000
Stud	425	470	200	550	430	150	1,100,000
2x14 & Wdr. Size Adjusted Values							
Select Structural	1,080	1,200	495	1,080	430	150	1,600,000
No. 1	745	825	340	945	430	150	1,400,000
No. 2	655	725	295	855	430	150	1,200,000
No. 3	385	425	180	495	430	150	1,100,000
Stud	385	425	180	495	430	150	1,100,000

Specific Gravity (all grades) = 0.43

Notes: All values are in pounds per square inch (psi). Values for specific widths are the product of the Base Value for the grade and the width adjustment factor (see Standard Grading Rules No. 17, Para. 200 Table 4). Values for specific sizes are rounded to the nearest 5 psi. Property values are for dimension lumber surfaced either green or dry used at 19% maximum moisture content as in most covered structures. For other use conditions see WCLIB Standard Grading Rules No. 17. Allowable property values are for Normal Loading. Published property values are developed in accordance with ASTM standards D1990, D2555, D245. Published Base Values are approved by the American Lumber Standard Committee Board of Review. Assigned Specific Gravity for all grades = 0.43

Prepared by West Coast Lumber Inspection Bureau

9/11/2002

Approved

7/25/2002

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Allowable Property Values - Norway Spruce from Finland

Norway Spruce from Finland

Grade	Extreme fiber in bending		Tension parallel to grain	Comp. parallel to grain	Comp. Perpen. to grain	Horiz. shear	Modulus of elasticity
	Fb (psi)		Ft	Fc	Fc [⊥]	Fv	E
	2" nom.	4" nom.	(psi)	(psi)	(psi)	(psi)	(psi)
BASE VALUES							
Select Structural	1,350		600	1,200	220	125	1,500,000
No. 1	850		375	1,000	220	125	1,400,000
No. 2	625		275	875	220	125	1,200,000
No. 3	375		175	500	220	125	1,100,000
Construction	725		325	1,100	220	125	1,100,000
Standard	400		175	900	220	125	1,000,000
Utility	200		75	600	220	125	1,000,000
Stud	500		225	550	220	125	1,100,000
2x4 Size Adjusted Values							
Select Structural	2,025	2,025	900	1,380	220	125	1,500,000
No. 1	1,275	1,275	565	1,150	220	125	1,400,000
No. 2	940	940	415	1,005	220	125	1,200,000
No. 3	565	565	265	575	220	125	1,100,000
Construction	725	725	325	1,100	220	125	1,100,000
Standard	400	400	175	900	220	125	1,000,000
Utility	200	200	75	600	220	125	1,000,000
Stud	550	550	250	580	220	125	1,100,000
2x6 Size Adjusted Values							
Select Structural	1,755	1,755	780	1,320	220	125	1,500,000
No. 1	1,105	1,105	490	1,100	220	125	1,400,000
No. 2	815	815	360	965	220	125	1,200,000
No. 3	490	490	230	550	220	125	1,100,000
Stud	500	500	225	550	220	125	1,100,000
2x8 Size Adjusted Values							
Select Structural	1,620	1,755	720	1,260	220	125	1,500,000
No. 1	1,020	1,105	450	1,050	220	125	1,400,000
No. 2	750	815	330	920	220	125	1,200,000
No. 3	450	490	210	525	220	125	1,100,000
Stud	450	490	210	525	220	125	1,100,000
2x10 Size Adjusted Values							
Select Structural	1,485	1,620	660	1,200	220	125	1,500,000
No. 1	935	1,020	415	1,000	220	125	1,400,000
No. 2	690	750	305	875	220	125	1,200,000
No. 3	415	450	195	500	220	125	1,100,000
Stud	415	450	195	500	220	125	1,100,000
2x12 Size Adjusted Values							
Select Structural	1,350	1,485	600	1,200	220	125	1,500,000
No. 1	850	935	375	1,000	220	125	1,400,000
No. 2	625	690	275	875	220	125	1,200,000
No. 3	375	415	175	500	220	125	1,100,000
Stud	375	415	175	500	220	125	1,100,000
2x14 & Wdr. Size Adjusted Values							
Select Structural	1,215	1,350	540	1,080	220	125	1,500,000
No. 1	765	850	340	900	220	125	1,400,000
No. 2	565	625	250	790	220	125	1,200,000
No. 3	340	375	160	450	220	125	1,100,000
Stud	340	375	160	450	220	125	1,100,000

Specific Gravity (all grades) = 0.42

Notes: All values are in pounds per square inch (psi). Values for specific widths are the product of the Base Value for the grade and the width adjustment factor (see Standard Grading Rules No. 17, Para. 200 Table 4). Values for specific sizes are rounded to the nearest 5 psi. Property values are for dimension lumber surfaced either green or dry used at 19% maximum moisture content as in most covered structures. For other use conditions see WCLIB Standard Grading Rules No. 17. Allowable property values are for Normal Loading. Published property values are developed in accordance with ASTM standards D1990, D2555, D245. Published Base Values are approved by the American Lumber Standard Committee Board of Review. Assigned Specific Gravity for all grades = 0.42

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Allowable Property Values - Norway Spruce from Germany, NE France, & Switzerland

Norway Spruce from Germany, NE France, and Switzerland

Grade	Extreme fiber in bending		Tension parallel to grain	Comp. parallel to grain	Comp. Perpen. to grain	Horiz. shear	Modulus of elasticity
	Fb (psi)		Ft	Fc	Fc [⊥]	Fv	E
	2" nom.	4" nom.	(psi)	(psi)	(psi)	(psi)	(psi)
BASE VALUES							
Select Structural	1,200		550	1,200	355	170	1,600,000
No. 1	825		375	1,050	355	170	1,400,000
No. 2	725		325	950	355	170	1,200,000
No. 3	425		200	550	355	170	1,100,000
Construction	825		375	1,200	355	170	1,100,000
Standard	475		200	975	355	170	1,000,000
Utility	225		100	650	355	170	900,000
Stud	575		250	600	355	170	1,100,000
2x4 Size Adjusted Values							
Select Structural	1,800	1,800	825	1,380	355	170	1,600,000
No. 1	1,240	1,240	565	1,210	355	170	1,400,000
No. 2	1,090	1,090	490	1,095	355	170	1,200,000
No. 3	640	640	300	635	355	170	1,100,000
Construction	825	825	375	1,200	355	170	1,100,000
Standard	475	475	200	975	355	170	1,000,000
Utility	225	225	100	650	355	170	900,000
Stud	635	635	275	630	355	170	1,100,000
2x6 Size Adjusted Values							
Select Structural	1,560	1,560	715	1,320	355	170	1,600,000
No. 1	1,075	1,075	490	1,155	355	170	1,400,000
No. 2	945	945	425	1,045	355	170	1,200,000
No. 3	555	555	260	605	355	170	1,100,000
Stud	575	575	250	600	355	170	1,100,000
2x8 Size Adjusted Values							
Select Structural	1,440	1,560	660	1,260	355	170	1,600,000
No. 1	990	1,075	450	1,105	355	170	1,400,000
No. 2	870	945	390	1,000	355	170	1,200,000
No. 3	510	555	240	580	355	170	1,100,000
Stud	510	555	240	580	355	170	1,100,000
2x10 Size Adjusted Values							
Select Structural	1,320	1,440	605	1,200	355	170	1,600,000
No. 1	910	990	415	1,050	355	170	1,400,000
No. 2	800	870	360	950	355	170	1,200,000
No. 3	470	510	220	550	355	170	1,100,000
Stud	470	510	220	550	355	170	1,100,000
2x12 Size Adjusted Values							
Select Structural	1,200	1,320	550	1,200	355	170	1,600,000
No. 1	825	910	375	1,050	355	170	1,400,000
No. 2	725	800	325	950	355	170	1,200,000
No. 3	425	470	200	550	355	170	1,100,000
Stud	425	470	200	550	355	170	1,100,000
2x14 & Wdr. Size Adjusted Values							
Select Structural	1,080	1,200	495	1,080	355	170	1,600,000
No. 1	745	825	340	945	355	170	1,400,000
No. 2	655	725	295	855	355	170	1,200,000
No. 3	385	425	180	495	355	170	1,100,000
Stud	385	425	180	495	355	170	1,100,000

Specific Gravity (all grades) = 0.42

Notes: All values are in pounds per square inch (psi). Values for specific widths are the product of the Base Value for the grade and the width adjustment factor (see Standard Grading Rules No. 17, Para. 200 Table 4). Values for specific sizes are rounded to the nearest 5 psi. Property values are for dimension lumber surfaced either green or dry used at 19% maximum moisture content as in most covered structures. For other use conditions see WCLIB Standard Grading Rules No. 17. Allowable property values are for Normal Loading. Published property values are developed in accordance with ASTM standards D1990, D2555, D245. Published Base Values are approved by the American Lumber Standard Committee Board of Review. Assigned Specific Gravity for all grades = 0.42

Prepared by West Coast Lumber Inspection Bureau

4/29/2005

Approved

2/3/2005

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Allowable Property Values - Norway Spruce from Romania & the Ukraine

Norway Spruce

from Romania and the Ukraine

Grade	Extreme fiber in bending		Tension parallel to grain	Comp. parallel to grain	Comp. Perpen. to grain	Horiz. shear	Modulus of elasticity
	Fb (psi)		Ft (psi)	Fc (psi)	Fc [⊥] (psi)	Fv (psi)	E (psi)
	2" nom.	4" nom.					

BASE VALUES

Select Structural	1,250		575	1,200	275	100	1,500,000
No. 1	850		375	1,050	275	100	1,400,000
No. 2	750		325	950	275	100	1,200,000
No. 3	425		200	550	275	100	1,100,000
Construction	850		375	1,200	275	100	1,100,000
Standard	475		200	1,000	275	100	1,000,000
Utility	225		100	650	275	100	1,000,000
Stud	575		250	600	275	100	1,100,000

2x4 Size Adjusted Values

Select Structural	1,875	1,875	865	1,380	275	100	1,500,000
No. 1	1,275	1,275	565	1,210	275	100	1,400,000
No. 2	1,125	1,125	490	1,095	275	100	1,200,000
No. 3	640	640	300	635	275	100	1,100,000
Construction	850	850	375	1,200	275	100	1,100,000
Standard	475	475	200	1,000	275	100	1,000,000
Utility	225	225	100	650	275	100	1,000,000
Stud	635	635	275	630	275	100	1,100,000

2x6 Size Adjusted Values

Select Structural	1,625	1,625	750	1,320	275	100	1,500,000
No. 1	1,105	1,105	490	1,155	275	100	1,400,000
No. 2	975	975	425	1,045	275	100	1,200,000
No. 3	555	555	260	605	275	100	1,100,000
Stud	575	575	250	600	275	100	1,100,000

2x8 Size Adjusted Values

Select Structural	1,500	1,625	690	1,260	275	100	1,500,000
No. 1	1,020	1,105	450	1,105	275	100	1,400,000
No. 2	900	975	390	1,000	275	100	1,200,000
No. 3	510	555	240	580	275	100	1,100,000
Stud	510	555	240	580	275	100	1,100,000

2x10 Size Adjusted Values

Select Structural	1,375	1,500	635	1,200	275	100	1,500,000
No. 1	935	1,020	415	1,050	275	100	1,400,000
No. 2	825	900	360	950	275	100	1,200,000
No. 3	470	510	220	550	275	100	1,100,000
Stud	470	510	220	550	275	100	1,100,000

2x12 Size Adjusted Values

Select Structural	1,250	1,375	575	1,200	275	100	1,500,000
No. 1	850	935	375	1,050	275	100	1,400,000
No. 2	750	825	325	950	275	100	1,200,000
No. 3	425	470	200	550	275	100	1,100,000
Stud	425	470	200	550	275	100	1,100,000

2x14 & Wdr. Size Adjusted Values

Select Structural	1,125	1,250	520	1,080	275	100	1,500,000
No. 1	765	850	340	945	275	100	1,400,000
No. 2	675	750	295	855	275	100	1,200,000
No. 3	385	425	180	495	275	100	1,100,000
Stud	385	425	180	495	275	100	1,100,000

Specific Gravity (all grades) = 0.38

Notes: All values are in pounds per square inch (psi). Values for specific widths are the product of the Base Value for the grade and the width adjustment factor (see Standard Grading Rules No. 17, Para. 200 Table 4). Values for specific sizes are rounded to the nearest 5 psi. Property values are for dimension lumber surfaced either green or dry used at 19% maximum moisture content as in most covered structures. For other use conditions see WCLIB Standard Grading Rules No. 17. Allowable property values are for Normal Loading. Published property values are developed in accordance with ASTM standards D1990, D2555, D245. Published Base Values are approved by the American Lumber Standard Committee Board of Review. Assigned Specific Gravity for all grades = 0.38

Prepared by West Coast Lumber Inspection Bureau

4/29/2005

Approved

7/22/2004

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Allowable Property Values - Norway Spruce from Archangel Region of Russia

**Norway Spruce
from Archangel Region of Russia**

Grade	Extreme fiber in bending		Tension parallel to grain	Comp. parallel to grain	Comp. Perpen. to grain	Horiz. shear	Modulus of elasticity
	Fb (psi)		Ft (psi)	Fc (psi)	Fc [⊥] (psi)	Fv (psi)	E (psi)
	2" nom.	4" nom.					

BASE VALUES

Select Structural	1,250		575	1,200	275	100	1,500,000
No. 1	850		375	1,050	275	100	1,400,000
No. 2	750		325	950	275	100	1,200,000
No. 3	425		200	550	275	100	1,100,000
Construction	850		375	1,200	275	100	1,100,000
Standard	475		200	1,000	275	100	1,000,000
Utility	225		100	650	275	100	1,000,000
Stud	575		250	600	275	100	1,100,000

2x4 Size Adjusted Values

Select Structural	2,300	2,300	1,050	1,400	335	100	1,500,000
No. 1	1,750	1,750	775	1,350	335	100	1,400,000
No. 2	1,750	1,750	775	1,350	335	100	1,400,000
No. 3	1,000	1,000	450	775	335	100	1,200,000
Construction	1,300	1,300	600	1,400	335	100	1,300,000
Standard	725	725	325	1,200	335	100	1,200,000
Utility	350	350	150	775	335	100	1,100,000
Stud	975	975	450	775	335	100	1,200,000

2x6 Size Adjusted Values

Select Structural	2,000	2,000	900	1,350	335	100	1,500,000
No. 1	1,500	1,500	675	1,300	335	100	1,400,000
No. 2	1,500	1,500	675	1,300	335	100	1,400,000
No. 3	850	850	375	750	335	100	1,200,000
Stud	900	900	400	750	335	100	1,200,000

2x8 Size Adjusted Values

Select Structural							
No. 1							
No. 2	No 2 x 8 Values Approved						
No. 3							
Stud							

2x10 Size Adjusted Values

Select Structural							
No. 1							
No. 2	No 2 x 10 Values Approved						
No. 3							
Stud							

2x12 Size Adjusted Values

Select Structural							
No. 1							
No. 2	No 2 x 12 Values Approved						
No. 3							
Stud							

2x14 & Wdr. Size Adjusted Values

Select Structural							
No. 1							
No. 2	No 2 x 14 & Wider Values Approved						
No. 3							
Stud							

Specific Gravity - Not assigned

Notes: All values are in pounds per square inch (psi). Values for specific widths are the product of the Base Value for the grade and the width adjustment factor (see Standard Grading Rules No. 17, Para. 200 Table 4). Values for specific sizes are rounded to the nearest 5 psi. Property values are for dimension lumber surfaced either green or dry used at 19% maximum moisture content as in most covered structures. For other use conditions see WCLIB Standard Grading Rules No. 17. Allowable property values are for Normal Loading. Published property values are developed in accordance with ASTM standards D1990, D2555, D245. Published Base Values are approved by the American Lumber Standard Committee Board of Review. Specific Gravity not assigned.

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Allowable Property Values - Norway Spruce from Sweden

Norway Spruce from Sweden

Grade	Extreme fiber in bending		Tension parallel to grain	Comp. parallel to grain	Comp. Perpen. to grain	Horiz. shear	Modulus of elasticity
	Fb (psi)		Ft	Fc	Fc [⊥]	Fv	E
	2" nom.	4" nom.	(psi)	(psi)	(psi)	(psi)	(psi)
BASE VALUES							
Select Structural	1,250		550	1,200	285	170	1,600,000
No. 1	825		375	1,050	285	170	1,400,000
No. 2	675		300	925	285	170	1,200,000
No. 3	400		175	525	285	170	1,100,000
Construction	775		350	1,150	285	170	1,200,000
Standard	425		200	950	285	170	1,100,000
Utility	200		100	625	285	170	1,000,000
Stud	550		250	575	285	170	1,100,000
2x4 Size Adjusted Values							
Select Structural	1,875	1,875	825	1,380	285	170	1,600,000
No. 1	1,240	1,240	565	1,210	285	170	1,400,000
No. 2	1,015	1,015	450	1,065	285	170	1,200,000
No. 3	600	600	265	605	285	170	1,100,000
Construction	775	775	350	1,150	285	170	1,200,000
Standard	425	425	200	950	285	170	1,100,000
Utility	200	200	100	625	285	170	1,000,000
Stud	605	605	275	605	285	170	1,100,000
2x6 Size Adjusted Values							
Select Structural	1,625	1,625	715	1,320	285	170	1,600,000
No. 1	1,075	1,075	490	1,155	285	170	1,400,000
No. 2	880	880	390	1,020	285	170	1,200,000
No. 3	520	520	230	580	285	170	1,100,000
Stud	550	550	250	575	285	170	1,100,000
2x8 Size Adjusted Values							
Select Structural	1,500	1,625	660	1,260	285	170	1,600,000
No. 1	990	1,075	450	1,105	285	170	1,400,000
No. 2	810	880	360	970	285	170	1,200,000
No. 3	480	520	210	550	285	170	1,100,000
Stud	480	520	210	550	285	170	1,100,000
2x10 Size Adjusted Values							
Select Structural	1,375	1,500	605	1,200	285	170	1,600,000
No. 1	910	990	415	1,050	285	170	1,400,000
No. 2	745	810	330	925	285	170	1,200,000
No. 3	440	480	195	525	285	170	1,100,000
Stud	440	480	195	525	285	170	1,100,000
2x12 Size Adjusted Values							
Select Structural	1,250	1,375	550	1,200	285	170	1,600,000
No. 1	825	910	375	1,050	285	170	1,400,000
No. 2	675	745	300	925	285	170	1,200,000
No. 3	400	440	175	525	285	170	1,100,000
Stud	400	440	175	525	285	170	1,100,000
2x14 & Wdr. Size Adjusted Values							
Select Structural	1,125	1,250	495	1,080	285	170	1,600,000
No. 1	745	825	340	945	285	170	1,400,000
No. 2	610	675	270	835	285	170	1,200,000
No. 3	360	400	160	475	285	170	1,100,000
Stud	360	400	160	475	285	170	1,100,000

Specific Gravity (all grades) = 0.42

Notes: All values are in pounds per square inch (psi). Values for specific widths are the product of the Base Value for the grade and the width adjustment factor (see Standard Grading Rules No. 17, Para. 200 Table 4). Values for specific sizes are rounded to the nearest 5 psi. Property values are for dimension lumber surfaced either green or dry used at 19% maximum moisture content as in most covered structures. For other use conditions see WCLIB Standard Grading Rules No. 17. Allowable property values are for Normal Loading. Published property values are developed in accordance with ASTM standards D1990, D2555, D245. Published Base Values are approved by the American Lumber Standard Committee Board of Review. Assigned Specific Gravity for all grades = 0.42

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Prepared by West Coast Lumber Inspection Bureau

9/11/2002

Approved

7/29/1999



Allowable Property Values -

Scots Pine from Austria, Czech Republic, Romania & Ukraine

**Scots Pine
from Austria, Czech Republic,
Romania, and Ukraine**

Grade	Extreme fiber in bending		Tension parallel to grain	Comp. parallel to grain	Comp. Perpen. to grain	Horiz. shear	Modulus of elasticity
	Fb (psi)		Ft (psi)	Fc (psi)	Fc [⊥] (psi)	Fv (psi)	E (psi)
	2" nom.	4" nom.					
BASE VALUES							
Select Structural	1,300		600	1,200	270	135	1,700,000
No. 1	900		400	1,050	270	135	1,600,000
No. 2	775		350	1,000	270	135	1,400,000
No. 3	450		200	575	270	135	1,300,000
Construction Standard	875		400	1,200	270	135	1,300,000
Utility	500		225	1,000	270	135	1,200,000
Stud	225		100	675	270	135	1,100,000
	600		275	625	270	135	1,300,000
2x4 Size Adjusted Values							
Select Structural	1,950	1,950	900	1,380	270	135	1,700,000
No. 1	1,350	1,350	600	1,210	270	135	1,600,000
No. 2	1,165	1,165	525	1,150	270	135	1,400,000
No. 3	675	675	300	660	270	135	1,300,000
Construction Standard	875	875	400	1,200	270	135	1,300,000
Utility	500	500	225	1,000	270	135	1,200,000
Stud	225	225	100	675	270	135	1,100,000
	660	660	305	655	270	135	1,300,000
2x6 Size Adjusted Values							
Select Structural	1,690	1,690	780	1,320	270	135	1,700,000
No. 1	1,170	1,170	520	1,155	270	135	1,600,000
No. 2	1,010	1,010	455	1,100	270	135	1,400,000
No. 3	585	585	260	635	270	135	1,300,000
Stud	600	600	275	625	270	135	1,300,000
2x8 Size Adjusted Values							
Select Structural	1,560	1,690	720	1,260	270	135	1,700,000
No. 1	1,080	1,170	480	1,105	270	135	1,600,000
No. 2	930	1,010	420	1,050	270	135	1,400,000
No. 3	540	585	240	605	270	135	1,300,000
Stud	540	585	240	605	270	135	1,300,000
2x10 Size Adjusted Values							
Select Structural	1,430	1,560	660	1,200	270	135	1,700,000
No. 1	990	1,080	440	1,050	270	135	1,600,000
No. 2	855	930	385	1,000	270	135	1,400,000
No. 3	495	540	220	575	270	135	1,300,000
Stud	495	540	220	575	270	135	1,300,000
2x12 Size Adjusted Values							
Select Structural	1,300	1,430	600	1,200	270	135	1,700,000
No. 1	900	990	400	1,050	270	135	1,600,000
No. 2	775	855	350	1,000	270	135	1,400,000
No. 3	450	495	200	575	270	135	1,300,000
Stud	450	495	200	575	270	135	1,300,000
2x14 & Wdr. Size Adjusted Values							
Select Structural	1,170	1,300	540	1,080	270	135	1,700,000
No. 1	810	900	360	945	270	135	1,600,000
No. 2	700	775	315	900	270	135	1,400,000
No. 3	405	450	180	520	270	135	1,300,000
Stud	405	450	180	520	270	135	1,300,000

Specific Gravity (all grades) = 0.50

Notes: All values are in pounds per square inch (psi). Values for specific widths are the product of the Base Value for the grade and the width adjustment factor (see Standard Grading Rules No. 17, Para. 200 Table 4). Values for specific sizes are rounded to the nearest 5 psi. Property values are for dimension lumber surfaced either green or dry used at 19% maximum moisture content as in most covered structures. For other use conditions see WCLIB Standard Grading Rules No. 17. Allowable property values are for Normal Loading. Published property values are developed in accordance with ASTM standards D1990, D2555, D245. Published Base Values are approved by the American Lumber Standard Committee Board of Review. Assigned Specific Gravity for all grades = 0.50

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Allowable Property Values - Scots Pine from Estonia & Lithuania

**Scots Pine
from Estonia & Lithuania**

Grade	Extreme fiber in bending		Tension parallel to grain	Comp. parallel to grain	Comp. Perpen. to grain	Horiz. shear	Modulus of elasticity	
	Fb (psi)		Ft (psi)	Fc (psi)	Fc [⊥] (psi)	Fv (psi)	E (psi)	
	2" nom.	4" nom.						
BASE VALUES								
Select Structural	1,100		500	1,150	430	130	1,500,000	
No. 1	750		350	1,000	430	130	1,300,000	
No. 2	650		300	900	430	130	1,100,000	
No. 3	375		175	525	430	130	1,000,000	
Construction	750		325	1,100	430	130	1,100,000	
Standard	425		200	925	430	130	1,000,000	
Utility	200		100	600	430	130	900,000	
Stud	525		225	575	430	130	1,000,000	
2x4 Size Adjusted Values								
Select Structural	1,650	1,650	750	1,325	430	130	1,500,000	
No. 1	1,125	1,125	525	1,150	430	130	1,300,000	
No. 2	975	975	450	1,035	430	130	1,100,000	
No. 3	565	565	265	605	430	130	1,000,000	
Construction	750	750	325	1,100	430	130	1,100,000	
Standard	425	425	200	925	430	130	1,000,000	
Utility	200	200	100	600	430	130	900,000	
Stud	580	580	250	605	430	130	1,000,000	
2x6 Size Adjusted Values								
Select Structural	1,430	1,430	650	1,265	430	130	1,500,000	
No. 1	975	975	455	1,100	430	130	1,300,000	
No. 2	845	845	390	990	430	130	1,100,000	
No. 3	490	490	230	580	430	130	1,000,000	
Stud	525	525	225	575	430	130	1,000,000	
2x8 Size Adjusted Values								
Select Structural	1,320	1,430	600	1,210	430	130	1,500,000	
No. 1	900	975	420	1,050	430	130	1,300,000	
No. 2	780	845	360	945	430	130	1,100,000	
No. 3	450	490	210	550	430	130	1,000,000	
Stud	450	490	210	550	430	130	1,000,000	
2x10 Size Adjusted Values								
Select Structural	1,210	1,320	550	1,150	430	130	1,500,000	
No. 1	825	900	385	1,000	430	130	1,300,000	
No. 2	715	780	330	900	430	130	1,100,000	
No. 3	415	450	195	525	430	130	1,000,000	
Stud	415	450	195	525	430	130	1,000,000	
2x12 Size Adjusted Values								
Select Structural	1,100	1,210	500	1,150	430	130	1,500,000	
No. 1	750	825	350	1,000	430	130	1,300,000	
No. 2	650	715	300	900	430	130	1,100,000	
No. 3	375	415	175	525	430	130	1,000,000	
Stud	375	415	175	525	430	130	1,000,000	
2x14 & Wdr. Size Adjusted Values								
Select Structural	990	1,100	450	1,035	430	130	1,500,000	
No. 1	675	750	315	900	430	130	1,300,000	
No. 2	585	650	270	810	430	130	1,100,000	
No. 3	340	375	160	475	430	130	1,000,000	
Stud	340	375	160	475	430	130	1,000,000	
Specific Gravity (all grades) = 0.45								
Notes: All values are in pounds per square inch (psi). Values for specific widths are the product of the Base Value for the grade and the width adjustment factor (see Standard Grading Rules No. 17, Para. 200 Table 4). Values for specific sizes are rounded to the nearest 5 psi. Property values are for dimension lumber surfaced either green or dry used at 19% maximum moisture content as in most covered structures. For other use conditions see WCLIB Standard Grading Rules No. 17. Allowable property values are for Normal Loading. Published property values are developed in accordance with ASTM standards D1990, D2555, D245. Published Base Values are approved by the American Lumber Standard Committee Board of Review. Assigned Specific Gravity for all grades = 0.45								
Prepared by West Coast Lumber Inspection Bureau				9/11/2002		Approved		2/8/2001

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Allowable Property Values - Scots Pine from Finland

Scots Pine from Finland

Grade	Extreme fiber in bending		Tension parallel to grain	Comp. parallel to grain	Comp. Perpen. to grain	Horiz. shear	Modulus of elasticity
	Fb (psi)		Ft	Fc	Fc [⊥]	Fv	E
	2" nom.	4" nom.	(psi)	(psi)	(psi)	(psi)	(psi)
BASE VALUES							
Select Structural	1,300		600	1,200	210	150	1,500,000
No. 1	950		425	1,100	210	150	1,400,000
No. 2	925		425	1,100	210	150	1,300,000
No. 3	525		250	625	210	150	1,200,000
Construction Standard	1,050		475	1,300	210	150	1,200,000
Utility	600		275	1,100	210	150	1,100,000
Stud	275		125	725	210	150	1,000,000
Stud	725		325	675	210	150	1,200,000
2x4 Size Adjusted Values							
Select Structural	1,950	1,950	900	1,380	210	150	1,500,000
No. 1	1,425	1,425	640	1,265	210	150	1,400,000
No. 2	1,390	1,390	640	1,265	210	150	1,300,000
No. 3	790	790	375	720	210	150	1,200,000
Construction Standard	1,050	1,050	475	1,300	210	150	1,200,000
Utility	600	600	275	1,100	210	150	1,100,000
Stud	275	275	125	725	210	150	1,000,000
Stud	800	800	360	710	210	150	1,200,000
2x6 Size Adjusted Values							
Select Structural	1,690	1,690	780	1,320	210	150	1,500,000
No. 1	1,235	1,235	555	1,210	210	150	1,400,000
No. 2	1,205	1,205	555	1,210	210	150	1,300,000
No. 3	685	685	325	690	210	150	1,200,000
Stud	725	725	325	675	210	150	1,200,000
2x8 Size Adjusted Values							
Select Structural	1,560	1,690	720	1,260	210	150	1,500,000
No. 1	1,140	1,235	510	1,155	210	150	1,400,000
No. 2	1,110	1,205	510	1,155	210	150	1,300,000
No. 3	630	685	300	655	210	150	1,200,000
Stud	630	685	300	655	210	150	1,200,000
2x10 Size Adjusted Values							
Select Structural	1,430	1,560	660	1,200	210	150	1,500,000
No. 1	1,045	1,140	470	1,100	210	150	1,400,000
No. 2	1,020	1,110	470	1,100	210	150	1,300,000
No. 3	580	630	275	625	210	150	1,200,000
Stud	580	630	275	625	210	150	1,200,000
2x12 Size Adjusted Values							
Select Structural	1,300	1,430	600	1,200	210	150	1,500,000
No. 1	950	1,045	425	1,100	210	150	1,400,000
No. 2	925	1,020	425	1,100	210	150	1,300,000
No. 3	525	580	250	625	210	150	1,200,000
Stud	525	580	250	625	210	150	1,200,000
2x14 & Wdr. Size Adjusted Values							
Select Structural	1,170	1,300	540	1,080	210	150	1,500,000
No. 1	855	950	385	990	210	150	1,400,000
No. 2	835	925	385	990	210	150	1,300,000
No. 3	475	525	225	565	210	150	1,200,000
Stud	475	525	225	565	210	150	1,200,000
Specific Gravity (all grades) = 0.48							
Notes: All values are in pounds per square inch (psi). Values for specific widths are the product of the Base Value for the grade and the width adjustment factor (see Standard Grading Rules No. 17, Para. 200 Table 4). Values for specific sizes are rounded to the nearest 5 psi. Property values are for dimension lumber surfaced either green or dry used at 19% maximum moisture content as in most covered structures. For other use conditions see WCLIB Standard Grading Rules No. 17. Allowable property values are for Normal Loading. Published property values are developed in accordance with ASTM standards D1990, D2555, D245. Published Base Values are approved by the American Lumber Standard Committee Board of Review. Assigned Specific Gravity for all grades = 0.48							
Prepared by West Coast Lumber Inspection Bureau 9/11/2002 Approved 7/27/2000							

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Allowable Property Values - Scots Pine from Germany

Scots Pine from Germany

Grade	Extreme fiber in bending		Tension parallel to grain	Comp. parallel to grain	Comp. Perpen. to grain	Horiz. shear	Modulus of elasticity
	Fb (psi)		Ft	Fc	Fc [⊥]	Fv	E
	2" nom.	4" nom.	(psi)	(psi)	(psi)	(psi)	(psi)
BASE VALUES							
Select Structural	1,200		550	1,200	395	160	1,600,000
No. 1	800		375	1,050	395	160	1,400,000
No. 2	700		325	950	395	160	1,100,000
No. 3	400		175	550	395	160	1,000,000
Construction	800		375	1,150	395	160	1,100,000
Standard	450		200	975	395	160	1,000,000
Utility	225		100	625	395	160	900,000
Stud	550		250	600	395	160	1,000,000
2x4 Size Adjusted Values							
Select Structural	1,800	1,800	825	1,380	395	160	1,600,000
No. 1	1,200	1,200	565	1,210	395	160	1,400,000
No. 2	1,050	1,050	490	1,095	395	160	1,100,000
No. 3	600	600	265	635	395	160	1,000,000
Construction	800	800	375	1,150	395	160	1,100,000
Standard	450	450	200	975	395	160	1,000,000
Utility	225	225	100	625	395	160	900,000
Stud	605	605	275	630	395	160	1,000,000
2x6 Size Adjusted Values							
Select Structural	1,560	1,560	715	1,320	395	160	1,600,000
No. 1	1,040	1,040	490	1,155	395	160	1,400,000
No. 2	910	910	425	1,045	395	160	1,100,000
No. 3	520	520	230	605	395	160	1,000,000
Stud	550	550	250	600	395	160	1,000,000
2x8 Size Adjusted Values							
Select Structural	1,440	1,560	660	1,260	395	160	1,600,000
No. 1	960	1,040	450	1,105	395	160	1,400,000
No. 2	840	910	390	1,000	395	160	1,100,000
No. 3	480	520	210	580	395	160	1,000,000
Stud	480	520	210	580	395	160	1,000,000
2x10 Size Adjusted Values							
Select Structural	1,320	1,440	605	1,200	395	160	1,600,000
No. 1	880	960	415	1,050	395	160	1,400,000
No. 2	770	840	360	950	395	160	1,100,000
No. 3	440	480	195	550	395	160	1,000,000
Stud	440	480	195	550	395	160	1,000,000
2x12 Size Adjusted Values							
Select Structural	1,200	1,320	550	1,200	395	160	1,600,000
No. 1	800	880	375	1,050	395	160	1,400,000
No. 2	700	770	325	950	395	160	1,100,000
No. 3	400	440	175	550	395	160	1,000,000
Stud	400	440	175	550	395	160	1,000,000
2x14 & Wdr. Size Adjusted Values							
Select Structural	1,080	1,200	495	1,080	395	160	1,600,000
No. 1	720	800	340	945	395	160	1,400,000
No. 2	630	700	295	855	395	160	1,100,000
No. 3	360	400	160	495	395	160	1,000,000
Stud	360	400	160	495	395	160	1,000,000

Specific Gravity (all grades) = 0.53

Notes: All values are in pounds per square inch (psi). Values for specific widths are the product of the Base Value for the grade and the width adjustment factor (see Standard Grading Rules No. 17, Para. 200 Table 4). Values for specific sizes are rounded to the nearest 5 psi. Property values are for dimension lumber surfaced either green or dry used at 19% maximum moisture content as in most covered structures. For other use conditions see WCLIB Standard Grading Rules No. 17. Allowable property values are for Normal Loading. Published property values are developed in accordance with ASTM standards D1990, D2555, D245. Published Base Values are approved by the American Lumber Standard Committee Board of Review. Assigned Specific Gravity for all grades = 0.53

Prepared by West Coast Lumber Inspection Bureau

9/11/2002

Approved 7/27/2000

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Allowable Property Values - Scots Pine from Sweden

Scots Pine from Sweden

Grade	Extreme fiber in bending		Tension parallel to grain	Comp. parallel to grain	Comp. Perpen. to grain	Horiz. shear	Modulus of elasticity
	Fb (psi)		Ft	Fc	Fc [⊥]	Fv	E
	2" nom.	4" nom.	(psi)	(psi)	(psi)	(psi)	(psi)

BASE VALUES

Select Structural	1,350		600	1,200	410	120	1,700,000
No. 1	825		375	1,000	410	120	1,500,000
No. 2	575		250	825	410	120	1,200,000
No. 3	325		150	475	410	120	1,100,000
Construction	650		300	1,050	410	120	1,200,000
Standard	375		175	850	410	120	1,100,000
Utility	175		75	550	410	120	1,000,000
Stud	450		200	525	410	120	1,100,000

2x4 Size Adjusted Values

Select Structural	2,025	2,025	900	1,380	410	120	1,700,000
No. 1	1,240	1,240	565	1,150	410	120	1,500,000
No. 2	865	865	375	950	410	120	1,200,000
No. 3	490	490	225	545	410	120	1,100,000
Construction	650	650	300	1,050	410	120	1,200,000
Standard	375	375	175	850	410	120	1,100,000
Utility	175	175	75	550	410	120	1,000,000
Stud	495	495	220	550	410	120	1,100,000

2x6 Size Adjusted Values

Select Structural	1,755	1,755	780	1,320	410	120	1,700,000
No. 1	1,075	1,075	490	1,100	410	120	1,500,000
No. 2	750	750	325	910	410	120	1,200,000
No. 3	425	425	195	525	410	120	1,100,000
Stud	450	450	200	525	410	120	1,100,000

2x8 Size Adjusted Values

Select Structural	1,620	1,755	720	1,260	410	120	1,700,000
No. 1	990	1,075	450	1,050	410	120	1,500,000
No. 2	690	750	300	865	410	120	1,200,000
No. 3	390	425	180	500	410	120	1,100,000
Stud	390	425	180	500	410	120	1,100,000

2x10 Size Adjusted Values

Select Structural	1,485	1,620	660	1,200	410	120	1,700,000
No. 1	910	990	415	1,000	410	120	1,500,000
No. 2	635	690	275	825	410	120	1,200,000
No. 3	360	390	165	475	410	120	1,100,000
Stud	360	390	165	475	410	120	1,100,000

2x12 Size Adjusted Values

Select Structural	1,350	1,485	600	1,200	410	120	1,700,000
No. 1	825	910	375	1,000	410	120	1,500,000
No. 2	575	635	250	825	410	120	1,200,000
No. 3	325	360	150	475	410	120	1,100,000
Stud	325	360	150	475	410	120	1,100,000

2x14 & Wdr. Size Adjusted Values

Select Structural	1,215	1,350	540	1,080	410	120	1,700,000
No. 1	745	825	340	900	410	120	1,500,000
No. 2	520	575	225	745	410	120	1,200,000
No. 3	295	325	135	430	410	120	1,100,000
Stud	295	325	135	430	410	120	1,100,000

Specific Gravity (all grades) = 0.47

Notes: All values are in pounds per square inch (psi). Values for specific widths are the product of the Base Value for the grade and the width adjustment factor (see Standard Grading Rules No. 17, Para. 200 Table 4). Values for specific sizes are rounded to the nearest 5 psi. Property values are for dimension lumber surfaced either green or dry used at 19% maximum moisture content as in most covered structures. For other use conditions see WCLIB Standard Grading Rules No. 17. Allowable property values are for Normal Loading. Published property values are developed in accordance with ASTM standards D1990, D2555, D245. Published Base Values are approved by the American Lumber Standard Committee Board of Review. Assigned Specific Gravity for all grades = 0.47

Prepared by West Coast Lumber Inspection Bureau 9/11/2002 Approved 1/23/2001

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**Allowable Property Values - Douglas fir/European Larch
 from Austria, Czech Republic, and Bavaria**

**Douglas fir/European Larch
 from Austria, Czech Republic,
 and Bavaria**

Grade	Extreme fiber in bending		Tension parallel to grain	Comp. parallel to grain	Comp. Perpen. to grain	Horiz. shear	Modulus of elasticity
	Fb (psi)		Ft (psi)	Fc (psi)	Fc [⊥] (psi)	Fv (psi)	E (psi)
	2" nom.	4" nom.					
BASE VALUES							
Select Structural							
No. 1							
No. 2							
No. 3	<i>No Base Values Approved</i>						
Construction Standard							
Utility							
Stud							
2x4 Size Adjusted Values							
Select Structural	1,900	1,900	850	1,400	440	195	1,800,000
No. 1	1,400	1,400	625	1,250	440	195	1,700,000
No. 2	1,350	1,350	600	1,250	440	195	1,600,000
No. 3	775	775	350	700	440	195	1,400,000
Construction Standard	1,000	1,000	450	1,250	440	195	1,500,000
Utility	575	575	250	1,100	440	195	1,300,000
Stud	275	275	125	700	440	195	1,300,000
Stud	800	800	350	700	440	195	1,400,000
2x6 Size Adjusted Values							
Select Structural							
No. 1							
No. 2							
No. 3	<i>No 2x6 Values Approved</i>						
Stud							
2x8 Size Adjusted Values							
Select Structural							
No. 1							
No. 2							
No. 3	<i>No 2x8 Values Approved</i>						
Stud							
2x10 Size Adjusted Values							
Select Structural							
No. 1							
No. 2							
No. 3	<i>No 2x10 Values Approved</i>						
Stud							
2x12 Size Adjusted Values							
Select Structural							
No. 1							
No. 2							
No. 3	<i>No 2x12 Values Approved</i>						
Stud							
2x14 & Wdr. Size Adjusted Values							
Select Structural							
No. 1							
No. 2							
No. 3	<i>No 2x14 & Wdr. Values Approved</i>						
Stud							
Specific Gravity (all grades) = 0.48							
Notes: All values are in pounds per square inch (psi). Values for specific widths are the product of the Base Value for the grade and the width adjustment factor (see Standard Grading Rules No. 17, Para. 200 Table 4). Values for specific sizes are rounded to the nearest 5 psi. Property values are for dimension lumber surfaced either green or dry used at 19% maximum moisture content as in most covered structures. For other use conditions see WCLIB Standard Grading Rules No. 17. Allowable property values are for Normal Loading. Published property values are developed in accordance with ASTM standards D1990, D2555, D245. Published Base Values are approved by the American Lumber Standard Committee Board of Review. Assigned Specific Gravity for all grades = 0.48							
Prepared by West Coast Lumber Inspection Bureau 9/11/2002 Approved 4/22/1999							

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**Allowable Property Values -
 Silver Fir from Germany, NE France, & Switzerland**

**Silver Fir (Abies alba)
 from Germany, NE France, and Switzerland**

Grade	Extreme fiber in bending		Tension parallel to grain	Comp. parallel to grain	Comp. Perpen. to grain	Horiz. shear	Modulus of elasticity	
	Fb (psi)		Ft	Fc	Fc [⊥]	Fv	E	
	2" nom.	4" nom.	(psi)	(psi)	(psi)	(psi)	(psi)	
BASE VALUES								
Select Structural	950		425	1,100	400	130	1,500,000	
No. 1	725		325	975	400	130	1,400,000	
No. 2	725		325	950	400	130	1,300,000	
No. 3	425		200	550	400	130	1,100,000	
Construction Standard	825		375	1,150	400	130	1,200,000	
Utility	475		200	975	400	130	1,100,000	
Stud	225		100	650	400	130	1,000,000	
Stud	575		250	600	400	130	1,100,000	
2x4 Size Adjusted Values								
Select Structural	1,425	1,425	640	1,265	400	130	1,500,000	
No. 1	1,090	1,090	490	1,120	400	130	1,400,000	
No. 2	1,090	1,090	490	1,095	400	130	1,300,000	
No. 3	640	640	300	635	400	130	1,100,000	
Construction Standard	825	825	375	1,150	400	130	1,200,000	
Utility	475	475	200	975	400	130	1,100,000	
Stud	225	225	100	650	400	130	1,000,000	
Stud	635	635	275	630	400	130	1,100,000	
2x6 Size Adjusted Values								
Select Structural	1,235	1,235	555	1,210	400	130	1,500,000	
No. 1	945	945	425	1,075	400	130	1,400,000	
No. 2	945	945	425	1,045	400	130	1,300,000	
No. 3	555	555	260	605	400	130	1,100,000	
Stud	575	575	250	600	400	130	1,100,000	
2x8 Size Adjusted Values								
Select Structural	1,140	1,235	510	1,155	400	130	1,500,000	
No. 1	870	945	390	1,025	400	130	1,400,000	
No. 2	870	945	390	1,000	400	130	1,300,000	
No. 3	510	555	240	580	400	130	1,100,000	
Stud	510	555	240	580	400	130	1,100,000	
2x10 Size Adjusted Values								
Select Structural	1,045	1,140	470	1,100	400	130	1,500,000	
No. 1	800	870	360	975	400	130	1,400,000	
No. 2	800	870	360	950	400	130	1,300,000	
No. 3	470	510	220	550	400	130	1,100,000	
Stud	470	510	220	550	400	130	1,100,000	
2x12 Size Adjusted Values								
Select Structural	950	1,045	425	1,100	400	130	1,500,000	
No. 1	725	800	325	975	400	130	1,400,000	
No. 2	725	800	325	950	400	130	1,300,000	
No. 3	425	470	200	550	400	130	1,100,000	
Stud	425	470	200	550	400	130	1,100,000	
2x14 & Wdr. Size Adjusted Values								
Select Structural	855	950	385	990	400	130	1,500,000	
No. 1	655	725	295	880	400	130	1,400,000	
No. 2	655	725	295	855	400	130	1,300,000	
No. 3	385	425	180	495	400	130	1,100,000	
Stud	385	425	180	495	400	130	1,100,000	
Specific Gravity (all grades) = 0.43								
Notes: All values are in pounds per square inch (psi). Values for specific widths are the product of the Base Value for the grade and the width adjustment factor (see Standard Grading Rules No. 17, Para. 200 Table 4). Values for specific sizes are rounded to the nearest 5 psi. Property values are for dimension lumber surfaced either green or dry used at 19% maximum moisture content as in most covered structures. For other use conditions see WCLIB Standard Grading Rules No. 17. Allowable property values are for Normal Loading. Published property values are developed in accordance with ASTM standards D1990, D2555, D245. Published Base Values are approved by the American Lumber Standard Committee Board of Review. Assigned Specific Gravity for all grades = 0.43								
Prepared by West Coast Lumber Inspection Bureau				4/29/2005		Approved		10/21/2004

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**Allowable Property Values -
Montane Pine from Republic of South Africa**

Montane Pine from Republic of South Africa

Grade	Extreme fiber in bending		Tension parallel to grain	Comp. parallel to grain	Comp. Perpen. to grain	Horiz. shear	Modulus of elasticity	
	Fb (psi)		Ft	Fc	Fc [⊥]	Fv	E	
	2" nom.	4" nom.	(psi)	(psi)	(psi)	(psi)	(psi)	
BASE VALUES								
Select Structural	975		425	1,100	325	135	1,300,000	
No. 1	650		300	950	325	135	1,100,000	
No. 2	600		275	850	325	135	1,000,000	
No. 3	350		150	475	325	135	900,000	
Construction Standard	675		300	1,050	325	135	900,000	
Utility	375		175	875	325	135	800,000	
Stud	175		75	575	325	135	800,000	
Stud	475		200	525	325	135	900,000	
2x4 Size Adjusted Values								
Select Structural	1,465	1,465	640	1,265	325	135	1,300,000	
No. 1	975	975	450	1,095	325	135	1,100,000	
No. 2	900	900	415	980	325	135	1,000,000	
No. 3	525	525	225	545	325	135	900,000	
Construction Standard	675	675	300	1,050	325	135	900,000	
Utility	375	375	175	875	325	135	800,000	
Utility	175	175	75	575	325	135	800,000	
Stud	525	525	220	550	325	135	900,000	
2x6 Size Adjusted Values								
Select Structural	1,270	1,270	555	1,210	325	135	1,300,000	
No. 1	845	845	390	1,045	325	135	1,100,000	
No. 2	780	780	360	935	325	135	1,000,000	
No. 3	455	455	195	525	325	135	900,000	
Stud	475	475	200	525	325	135	900,000	
2x8 Size Adjusted Values								
Select Structural	1,170	1,270	510	1,155	325	135	1,300,000	
No. 1	780	845	360	1,000	325	135	1,100,000	
No. 2	720	780	330	895	325	135	1,000,000	
No. 3	420	455	180	500	325	135	900,000	
Stud	420	455	180	500	325	135	900,000	
2x10 Size Adjusted Values								
Select Structural	1,075	1,170	470	1,100	325	135	1,300,000	
No. 1	715	780	330	950	325	135	1,100,000	
No. 2	660	720	305	850	325	135	1,000,000	
No. 3	385	420	165	475	325	135	900,000	
Stud	385	420	165	475	325	135	900,000	
2x12 Size Adjusted Values								
Select Structural	975	1,075	425	1,100	325	135	1,300,000	
No. 1	650	715	300	950	325	135	1,100,000	
No. 2	600	660	275	850	325	135	1,000,000	
No. 3	350	385	150	475	325	135	900,000	
Stud	350	385	150	475	325	135	900,000	
2x14 & Wdr. Size Adjusted Values								
Select Structural	880	975	385	990	325	135	1,300,000	
No. 1	585	650	270	855	325	135	1,100,000	
No. 2	540	600	250	765	325	135	1,000,000	
No. 3	315	350	135	430	325	135	900,000	
Stud	315	350	135	430	325	135	900,000	
Specific Gravity (all grades) = 0.45								
Notes: All values are in pounds per square inch (psi). Values for specific widths are the product of the Base Value for the grade and the width adjustment factor (see Standard Grading Rules No. 17, Para. 200 Table 4). Values for specific sizes are rounded to the nearest 5 psi. Property values are for dimension lumber surfaced either green or dry used at 19% maximum moisture content as in most covered structures. For other use conditions see WCLIB Standard Grading Rules No. 17. Allowable property values are for Normal Loading. Published property values are developed in accordance with ASTM standards D1990, D2555, D245. Published Base Values are approved by the American Lumber Standard Committee Board of Review. Assigned Specific Gravity for all grades = 0.45								
Prepared by West Coast Lumber Inspection Bureau				4/29/2005		Approved		1/29/2004

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Allowable Property Values - Douglas fir/Douglas fir North

Douglas fir/Douglas fir North

Grade	Extreme fiber in bending		Tension parallel to grain	Comp. parallel to grain	Comp. Perpen. to grain	Horiz. shear	Modulus of elasticity
	Fb (psi)		Ft (psi)	Fc (psi)	Fc [⊥] (psi)	Fv (psi)	E (psi)
	2" nom.	4" nom.					
BASE VALUES							
Select Structural	1,350		825	1,700	625	180	1,900,000
No. 1	850		500	1,400	625	180	1,600,000
No. 2	850		500	1,350	625	180	1,600,000
No. 3	475		300	775	625	180	1,400,000
Construction	950		575	1,650	625	180	1,500,000
Standard	525		325	1,400	625	180	1,400,000
Utility	250		150	900	625	180	1,300,000
Stud	650		400	850	625	180	1,400,000
2x4 Size Adjusted Values							
Select Structural	2,025	2,025	1,240	1,955	625	180	1,900,000
No. 1	1,275	1,275	750	1,610	625	180	1,600,000
No. 2	1,275	1,275	750	1,555	625	180	1,600,000
No. 3	715	715	450	890	625	180	1,400,000
Construction	950	950	575	1,650	625	180	1,500,000
Standard	525	525	325	1,400	625	180	1,400,000
Utility	250	250	150	900	625	180	1,300,000
Stud	715	715	440	895	625	180	1,400,000
2x6 Size Adjusted Values							
Select Structural	1,755	1,755	1,075	1,870	625	180	1,900,000
No. 1	1,105	1,105	650	1,540	625	180	1,600,000
No. 2	1,105	1,105	650	1,485	625	180	1,600,000
No. 3	620	620	390	855	625	180	1,400,000
Stud	650	650	400	850	625	180	1,400,000
2x8 Size Adjusted Values							
Select Structural	1,620	1,755	990	1,785	625	180	1,900,000
No. 1	1,020	1,105	600	1,470	625	180	1,600,000
No. 2	1,020	1,105	600	1,420	625	180	1,600,000
No. 3	570	620	360	815	625	180	1,400,000
Stud	570	620	360	815	625	180	1,400,000
2x10 Size Adjusted Values							
Select Structural	1,485	1,620	910	1,700	625	180	1,900,000
No. 1	935	1,020	550	1,400	625	180	1,600,000
No. 2	935	1,020	550	1,350	625	180	1,600,000
No. 3	525	570	330	775	625	180	1,400,000
Stud	525	570	330	775	625	180	1,400,000
2x12 Size Adjusted Values							
Select Structural	1,350	1,485	825	1,700	625	180	1,900,000
No. 1	850	935	500	1,400	625	180	1,600,000
No. 2	850	935	500	1,350	625	180	1,600,000
No. 3	475	525	300	775	625	180	1,400,000
Stud	475	525	300	775	625	180	1,400,000
2x14 & Wdr. Size Adjusted Values							
Select Structural	1,215	1,350	745	1,530	625	180	1,900,000
No. 1	765	850	450	1,260	625	180	1,600,000
No. 2	765	850	450	1,215	625	180	1,600,000
No. 3	430	475	270	700	625	180	1,400,000
Stud	430	475	270	700	625	180	1,400,000
Specific Gravity (all grades) = 0.49							
<p>Notes: All values are in pounds per square inch (psi). Values for specific widths are the product of the Base Value for the grade and the width adjustment factor (see Standard Grading Rules No. 17, Para. 200 Table 4). Values for specific sizes are rounded to the nearest 5 psi. Property values are for dimension lumber surfaced either green or dry used at 19% maximum moisture content as in most covered structures. For other use conditions see WCLIB Standard Grading Rules No. 17. Allowable property values are for Normal Loading. Published property values are developed in accordance with ASTM standards D1990, D2555, D245. Published Base Values are approved by the American Lumber Standard Committee Board of Review. Assigned Specific Gravity for all grades = 0.49</p> <p>When two or more species or species groupings (each with its own published Allowable Properties) are combined, as in this case, for marketing convenience, the lowest assigned Allowable Property value among the species or species groups included in the combination is applied to the entire grouping.</p>							
Prepared by West Coast Lumber Inspection Bureau			9/11/2002		Approved		4/25/1996

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Allowable Property Values - Hem-Fir/Hem-Fir North

Hem-Fir/Hem-Fir North

Grade	Extreme fiber in bending		Tension parallel to grain	Comp. parallel to grain	Comp. Perpen. to grain	Horiz. shear	Modulus of elasticity
	Fb (psi)		Ft (psi)	Fc (psi)	Fc [⊥] (psi)	Fv (psi)	E (psi)
	2" nom.	4" nom.					

BASE VALUES

Select Structural	1,300		775	1,500	370	145	1,600,000
No. 1	975		575	1,350	370	145	1,500,000
No. 2	850		525	1,300	370	145	1,300,000
No. 3	500		300	725	370	145	1,200,000
Construction	975		600	1,550	370	145	1,300,000
Standard	550		325	1,300	370	145	1,200,000
Utility	250		150	850	370	145	1,100,000
Stud	675		400	800	370	145	1,200,000

2x4 Size Adjusted Values

Select Structural	1,950	1,950	1,165	1,725	370	145	1,600,000
No. 1	1,465	1,465	865	1,555	370	145	1,500,000
No. 2	1,275	1,275	790	1,495	370	145	1,300,000
No. 3	750	750	450	835	370	145	1,200,000
Construction	975	975	600	1,550	370	145	1,300,000
Standard	550	550	325	1,300	370	145	1,200,000
Utility	250	250	150	850	370	145	1,100,000
Stud	745	745	440	840	370	145	1,200,000

2x6 Size Adjusted Values

Select Structural	1,690	1,690	1,010	1,650	370	145	1,600,000
No. 1	1,270	1,270	750	1,485	370	145	1,500,000
No. 2	1,105	1,105	685	1,430	370	145	1,300,000
No. 3	650	650	390	800	370	145	1,200,000
Stud	675	675	400	800	370	145	1,200,000

2x8 Size Adjusted Values

Select Structural	1,560	1,690	930	1,575	370	145	1,600,000
No. 1	1,170	1,270	690	1,420	370	145	1,500,000
No. 2	1,020	1,105	630	1,365	370	145	1,300,000
No. 3	600	650	360	760	370	145	1,200,000
Stud	600	650	360	760	370	145	1,200,000

2x10 Size Adjusted Values

Select Structural	1,430	1,560	855	1,500	370	145	1,600,000
No. 1	1,075	1,170	635	1,350	370	145	1,500,000
No. 2	935	1,020	580	1,300	370	145	1,300,000
No. 3	550	600	330	725	370	145	1,200,000
Stud	550	600	330	725	370	145	1,200,000

2x12 Size Adjusted Values

Select Structural	1,300	1,430	775	1,500	370	145	1,600,000
No. 1	975	1,075	575	1,350	370	145	1,500,000
No. 2	850	935	525	1,300	370	145	1,300,000
No. 3	500	550	300	725	370	145	1,200,000
Stud	500	550	300	725	370	145	1,200,000

2x14 & Wdr. Size Adjusted Values

Select Structural	1,170	1,300	700	1,350	370	145	1,600,000
No. 1	880	975	520	1,215	370	145	1,500,000
No. 2	765	850	475	1,170	370	145	1,300,000
No. 3	450	500	270	655	370	145	1,200,000
Stud	450	500	270	655	370	145	1,200,000

Specific Gravity (all grades) = 0.43

Notes: All values are in pounds per square inch (psi). Values for specific widths are the product of the Base Value for the grade and the width adjustment factor (see Standard Grading Rules No. 17, Para. 200 Table 4). Values for specific sizes are rounded to the nearest 5 psi. Property values are for dimension lumber surfaced either green or dry used at 19% maximum moisture content as in most covered structures. For other use conditions see WCLIB Standard Grading Rules No. 17. Allowable property values are for Normal Loading. Published property values are developed in accordance with ASTM standards D1990, D2555, D245. Published Base Values are approved by the American Lumber Standard Committee Board of Review. Assigned Specific Gravity for all grades = 0.43

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Prepared by West Coast Lumber Inspection Bureau 5/12/2005 Approved 4/25/1996

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Allowable Property Values - S-P-F/S-P-F South

Spruce-Pine-Fir/Spruce-Pine-Fir South

Grade	Extreme fiber in bending		Tension parallel to grain	Comp. parallel to grain	Comp. Perpen. to grain	Horiz. shear	Modulus of elasticity	
	Fb (psi)		Ft (psi)	Fc (psi)	Fc [⊥] (psi)	Fv (psi)	E (psi)	
	2" nom.	4" nom.						
BASE VALUES								
Select Structural	1,250		575	1,200	335	135	1,300,000	
No. 1	875		400	1,050	335	135	1,200,000	
No. 2	775		350	1,000	335	135	1,100,000	
No. 3	450		200	575	335	135	1,000,000	
Construction	875		400	1,200	335	135	1,000,000	
Standard	500		225	1,000	335	135	900,000	
Utility	225		100	675	335	135	900,000	
Stud	600		275	625	335	135	1,000,000	
2x4 Size Adjusted Values								
Select Structural	1,875	1,875	865	1,380	335	135	1,300,000	
No. 1	1,315	1,315	600	1,210	335	135	1,200,000	
No. 2	1,165	1,165	525	1,150	335	135	1,100,000	
No. 3	675	675	300	660	335	135	1,000,000	
Construction	875	875	400	1,200	335	135	1,000,000	
Standard	500	500	225	1,000	335	135	900,000	
Utility	225	225	100	675	335	135	900,000	
Stud	660	660	305	655	335	135	1,000,000	
2x6 Size Adjusted Values								
Select Structural	1,625	1,625	750	1,320	335	135	1,300,000	
No. 1	1,140	1,140	520	1,155	335	135	1,200,000	
No. 2	1,010	1,010	455	1,100	335	135	1,100,000	
No. 3	585	585	260	635	335	135	1,000,000	
Stud	600	600	275	625	335	135	1,000,000	
2x8 Size Adjusted Values								
Select Structural	1,500	1,625	690	1,260	335	135	1,300,000	
No. 1	1,050	1,140	480	1,105	335	135	1,200,000	
No. 2	930	1,010	420	1,050	335	135	1,100,000	
No. 3	540	585	240	605	335	135	1,000,000	
Stud	540	585	240	605	335	135	1,000,000	
2x10 Size Adjusted Values								
Select Structural	1,375	1,500	635	1,200	335	135	1,300,000	
No. 1	965	1,050	440	1,050	335	135	1,200,000	
No. 2	855	930	385	1,000	335	135	1,100,000	
No. 3	495	540	220	575	335	135	1,000,000	
Stud	495	540	220	575	335	135	1,000,000	
2x12 Size Adjusted Values								
Select Structural	1,250	1,375	575	1,200	335	135	1,300,000	
No. 1	875	965	400	1,050	335	135	1,200,000	
No. 2	775	855	350	1,000	335	135	1,100,000	
No. 3	450	495	200	575	335	135	1,000,000	
Stud	450	495	200	575	335	135	1,000,000	
2x14 & Wdr. Size Adjusted Values								
Select Structural	1,125	1,250	520	1,080	335	135	1,300,000	
No. 1	790	875	360	945	335	135	1,200,000	
No. 2	700	775	315	900	335	135	1,100,000	
No. 3	405	450	180	520	335	135	1,000,000	
Stud	405	450	180	520	335	135	1,000,000	
Specific Gravity (all grades) = 0.36								
<p>Notes: All values are in pounds per square inch (psi). Values for specific widths are the product of the Base Value for the grade and the width adjustment factor (see Standard Grading Rules No. 17, Para. 200 Table 4). Values for specific sizes are rounded to the nearest 5 psi. Property values are for dimension lumber surfaced either green or dry used at 19% maximum moisture content as in most covered structures. For other use conditions see WCLIB Standard Grading Rules No. 17. Allowable property values are for Normal Loading. Published property values are developed in accordance with ASTM standards D1990, D2555, D245. Published Base Values are approved by the American Lumber Standard Committee Board of Review. Assigned Specific Gravity for all grades = 0.36</p> <p>When two or more species or species groupings (each with its own published Allowable Properties) are combined, as in this case, for marketing convenience, the lowest assigned Allowable Property value among the species or species groups included in the combination is applied to the entire grouping.</p>								
Prepared by West Coast Lumber Inspection Bureau				9/11/2002		Approved		4/25/1996

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**Allowable Property Values -
Austrian Spruce / Scots Pine from Austria & Czech Republic**

Austrian Spruce/Scots Pine from Austria & Czech Republic

Grade	Extreme fiber in bending		Tension parallel to grain	Comp. parallel to grain	Comp. Perpen. to grain	Horiz. shear	Modulus of elasticity
	Fb (psi)		Ft	Fc	Fc [⊥]	Fv	E
	2" nom.	4" nom.	(psi)	(psi)	(psi)	(psi)	(psi)

BASE VALUES

Select Structural	1,300		600	1,200	260	135	1,700,000
No. 1	900		400	1,050	260	135	1,600,000
No. 2	775		350	1,000	260	135	1,400,000
No. 3	450		200	575	260	135	1,300,000
Construction	875		400	1,200	260	135	1,300,000
Standard	500		225	1,000	260	135	1,200,000
Utility	225		100	675	260	135	1,100,000
Stud	600		275	625	260	135	1,300,000

2x4 Size Adjusted Values

Select Structural	1,950	1,950	900	1,380	260	135	1,700,000
No. 1	1,350	1,350	600	1,210	260	135	1,600,000
No. 2	1,165	1,165	525	1,150	260	135	1,400,000
No. 3	675	675	300	660	260	135	1,300,000
Construction	875	875	400	1,200	260	135	1,300,000
Standard	500	500	225	1,000	260	135	1,200,000
Utility	225	225	100	675	260	135	1,100,000
Stud	660	660	305	655	260	135	1,300,000

2x6 Size Adjusted Values

Select Structural	1,690	1,690	780	1,320	260	135	1,700,000
No. 1	1,170	1,170	520	1,155	260	135	1,600,000
No. 2	1,010	1,010	455	1,100	260	135	1,400,000
No. 3	585	585	260	635	260	135	1,300,000
Stud	600	600	275	625	260	135	1,300,000

2x8 Size Adjusted Values

Select Structural	1,560	1,690	720	1,260	260	135	1,700,000
No. 1	1,080	1,170	480	1,105	260	135	1,600,000
No. 2	930	1,010	420	1,050	260	135	1,400,000
No. 3	540	585	240	605	260	135	1,300,000
Stud	540	585	240	605	260	135	1,300,000

2x10 Size Adjusted Values

Select Structural	1,430	1,560	660	1,200	260	135	1,700,000
No. 1	990	1,080	440	1,050	260	135	1,600,000
No. 2	855	930	385	1,000	260	135	1,400,000
No. 3	495	540	220	575	260	135	1,300,000
Stud	495	540	220	575	260	135	1,300,000

2x12 Size Adjusted Values

Select Structural	1,300	1,430	600	1,200	260	135	1,700,000
No. 1	900	990	400	1,050	260	135	1,600,000
No. 2	775	855	350	1,000	260	135	1,400,000
No. 3	450	495	200	575	260	135	1,300,000
Stud	450	495	200	575	260	135	1,300,000

2x14 & Wdr. Size Adjusted Values

Select Structural	1,170	1,300	540	1,080	260	135	1,700,000
No. 1	810	900	360	945	260	135	1,600,000
No. 2	700	775	315	900	260	135	1,400,000
No. 3	405	450	180	520	260	135	1,300,000
Stud	405	450	180	520	260	135	1,300,000

Specific Gravity (all grades) = 0.43

Notes: All values are in pounds per square inch (psi). Values for specific widths are the product of the Base Value for the grade and the width adjustment factor (see Standard Grading Rules No. 17, Para. 200 Table 4). Values for specific sizes are rounded to the nearest 5 psi. Property values are for dimension lumber surfaced either green or dry used at 19% maximum moisture content as in most covered structures. For other use conditions see WCLIB Standard Grading Rules No. 17. Allowable property values are for Normal Loading. Published property values are developed in accordance with ASTM standards D1990, D2555, D245. Published Base Values are approved by the American Lumber Standard Committee Board of Review. Assigned Specific Gravity for all grades = 0.43

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4/29/2005

Approved

4/29/2004



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**Allowable Property Values -
Norway Spruce / Scots Pine from Estonia & Lithuania**

Norway Spruce/Scots Pine from Estonia & Lithuania

Grade	Extreme fiber in bending		Tension parallel to grain	Comp. parallel to grain	Comp. Perpen. to grain	Horiz. shear	Modulus of elasticity	
	Fb (psi)		Ft (psi)	Fc (psi)	Fc [⊥] (psi)	Fv (psi)	E (psi)	
	2" nom.	4" nom.						
BASE VALUES								
Select Structural	1,100		500	1,150	430	130	1,500,000	
No. 1	750		350	1,000	430	130	1,300,000	
No. 2	650		300	900	430	130	1,100,000	
No. 3	375		175	525	430	130	1,000,000	
Construction	750		325	1,100	430	130	1,100,000	
Standard	425		200	925	430	130	1,000,000	
Utility	200		100	600	430	130	900,000	
Stud	525		225	575	430	130	1,000,000	
2x4 Size Adjusted Values								
Select Structural	1,650	1,650	750	1,325	430	130	1,500,000	
No. 1	1,125	1,125	525	1,150	430	130	1,300,000	
No. 2	975	975	450	1,035	430	130	1,100,000	
No. 3	565	565	265	605	430	130	1,000,000	
Construction	750	750	325	1,100	430	130	1,100,000	
Standard	425	425	200	925	430	130	1,000,000	
Utility	200	200	100	600	430	130	900,000	
Stud	580	580	250	605	430	130	1,000,000	
2x6 Size Adjusted Values								
Select Structural	1,430	1,430	650	1,265	430	130	1,500,000	
No. 1	975	975	455	1,100	430	130	1,300,000	
No. 2	845	845	390	990	430	130	1,100,000	
No. 3	490	490	230	580	430	130	1,000,000	
Stud	525	525	225	575	430	130	1,000,000	
2x8 Size Adjusted Values								
Select Structural	1,320	1,430	600	1,210	430	130	1,500,000	
No. 1	900	975	420	1,050	430	130	1,300,000	
No. 2	780	845	360	945	430	130	1,100,000	
No. 3	450	490	210	550	430	130	1,000,000	
Stud	450	490	210	550	430	130	1,000,000	
2x10 Size Adjusted Values								
Select Structural	1,210	1,320	550	1,150	430	130	1,500,000	
No. 1	825	900	385	1,000	430	130	1,300,000	
No. 2	715	780	330	900	430	130	1,100,000	
No. 3	415	450	195	525	430	130	1,000,000	
Stud	415	450	195	525	430	130	1,000,000	
2x12 Size Adjusted Values								
Select Structural	1,100	1,210	500	1,150	430	130	1,500,000	
No. 1	750	825	350	1,000	430	130	1,300,000	
No. 2	650	715	300	900	430	130	1,100,000	
No. 3	375	415	175	525	430	130	1,000,000	
Stud	375	415	175	525	430	130	1,000,000	
2x14 & Wdr. Size Adjusted Values								
Select Structural	990	1,100	450	1,035	430	130	1,500,000	
No. 1	675	750	315	900	430	130	1,300,000	
No. 2	585	650	270	810	430	130	1,100,000	
No. 3	340	375	160	475	430	130	1,000,000	
Stud	340	375	160	475	430	130	1,000,000	
Specific Gravity (all grades) = 0.43								
Notes: All values are in pounds per square inch (psi). Values for specific widths are the product of the Base Value for the grade and the width adjustment factor (see Standard Grading Rules No. 17, Para. 200 Table 4). Values for specific sizes are rounded to the nearest 5 psi. Property values are for dimension lumber surfaced either green or dry used at 19% maximum moisture content as in most covered structures. For other use conditions see WCLIB Standard Grading Rules No. 17. Allowable property values are for Normal Loading. Published property values are developed in accordance with ASTM standards D1990, D2555, D245. Published Base Values are approved by the American Lumber Standard Committee Board of Review. Assigned Specific Gravity for all grades = 0.43								
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Prepared by West Coast Lumber Inspection Bureau				9/11/2002		Approved		7/26/2001



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