



EVERYTHING PWT QUICK GUIDE

TECHNICAL DATA
For Joists, Headers and Beams

PWT FOCUSED ON EWP



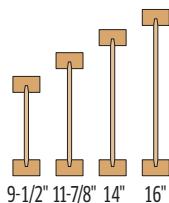
Not all items are available from all mills. Other depths may be available. Contact sales@pacificwoodtech.com for more information.

PWT I-Joist Dimensions

SOLID SAWN FLANGE

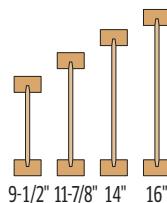
PWI 20S

3/8" OSB Web
2-1/2" x 1-1/2" Flange



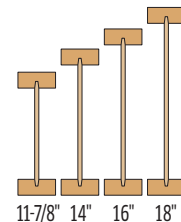
PWI 32S

3/8" OSB Web
2-1/2" x 1-1/2" Flange



PWI 42S

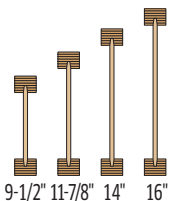
3/8" or 7/16" OSB Web
3-1/2" x 1-1/2" Flange



LVL FLANGE

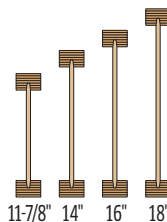
PWI 53L

3/8" OSB Web
2-1/16" x 1-5/16" Flange



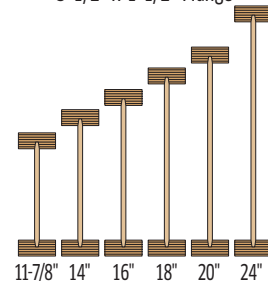
PWI 36L

3/8" OSB Web
2-1/4" x 1-1/2" Flange



PWI 56L

7/16" OSB Web
3-1/2" x 1-1/2" Flange



LVL Flange is limited to Western Canada markets. Please reach out to your **local** representative to check for availability.

For more information about our complete line of products, visit pwtewp.com.



Not all items are available from all mills. Other depths may be available. Contact sales@pacificwoodtech.com for more information.

PWT LVL Reference Design Values

1.5E 2250F _b ⁽¹⁾⁽⁷⁾ PSI	
Modulus of Elasticity, E ⁽²⁾⁽⁶⁾ (x 10 ⁶)	1.5
Bending (beam), F _b ⁽³⁾⁽⁵⁾	4 158
Horizontal Shear (beam), F _v	530
Compression Perpendicular to Grain (beam), F _c ⁽²⁾	1 365

	3-1/2"	5-1/2"	7-1/4"	9-1/4"	9-1/2"	11-1/4"	11-7/8"	14"	16"	18"
1-1/2" x	X	X	X	X	X	X	X	X	X	X
1-3/4" x	X	X	X	X	X	X	X	X	X	X

Depths of 22" and 24" are available on special order

2.0E 2900F _b ⁽¹⁾⁽⁷⁾ PSI	
Modulus of Elasticity, E ⁽²⁾⁽⁶⁾ (x 10 ⁶)	2.0
Bending (beam), F _b ⁽³⁾⁽⁵⁾	5 359
Horizontal Shear (beam), F _v	530
Compression Perpendicular to Grain (beam), F _c ⁽²⁾	1 365

	3-1/2"	5-1/2"	7-1/4"	9-1/4"	9-1/2"	11-1/4"	11-7/8"	14"	16"	18"
1-1/2" x	X	X	X	X	X	X	X	X	X	X
1-3/4" x	X	X	X	X	X	X	X	X	X	X

Depths of 22" and 24" are available on special order

2.1E 3100F _b ⁽¹⁾⁽⁷⁾ PSI	
Modulus of Elasticity, E ⁽²⁾⁽⁶⁾ (x 10 ⁶)	2.1
Bending (beam), F _b ⁽³⁾⁽⁵⁾	5 729
Horizontal Shear (beam), F _v	530
Compression Perpendicular to Grain (beam), F _c ⁽²⁾	1 365

	3-1/2"	5-1/2"	7-1/4"	9-1/4"	9-1/2"	11-1/4"	11-7/8"	14"	16"	18"
3-1/2" x	X	X	X		X		X	X	X	X
5-1/4" x		X	X	X	X	X	X	X	X	X
7" x			X	X	X		X	X	X	

Depths of 22" and 24" are available on special order

1. PWT™ LVL shall be designed for dry-use conditions only. Dry-use applies to products installed in dry, covered and well ventilated interior conditions in which the equivalent average moisture content in lumber will not exceed a yearly average of 15% and does not exceed 19% at any time.
2. The specified strengths and stiffness are for standard load duration. Specified strengths shall be adjusted according to code. Stiffness shall not be adjusted.
3. For depths > 12" adjust by (12/d)^{1/5}, for depths < 12" adjust by (12/d)^{0.111} where d is the depth of the member [inches]
4. Adjust by (12/d)^{1/5}, where d is the depth of the member [inches]
5. Adjust by 1.04 for repetitive members as defined in the CSA O86
6. True or shear-free modulus of elasticity and does not account for shear deformation
7. See CCMC [11518-R](#), [13006-R](#) and APA [PR-L233\(C\)](#)

To review PWT LVL products, please visit pwtewp.com.



PWT™

BUILD SOMETHING STRONGER

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pwtewp.com

For product catalog and complete warranty details or for more information on the full line of PWT products or the nearest distributor, visit pwtewp.com.

PWT products are manufactured at different locations in the United States and Canada.

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NOTE: PWT periodically updates and revises its product information. To verify that this version is current, contact the nearest sales office, visit pwtewp.com, or call 888.707.2285.