



# EVERYTHING PWT QUICK GUIDE

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TECHNICAL DATA  
For Joists, Headers and Beams

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**PWT** FOCUSED ON EWP



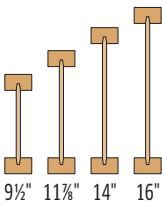
Not all items are available from all mills. Other depths may be available. Contact sales@pacificwoodtech.com for more information.

# PWT I-Joist Dimensions

## SOLID SAWN FLANGE

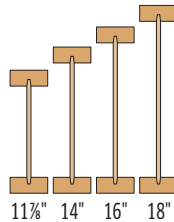
### PWI 20S & PWI 32S

$\frac{3}{8}$ " OSB Web  
2½" x 1½" Flange



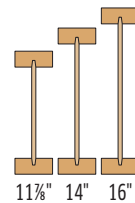
### PWI 42S

$\frac{3}{8}$ " or  $\frac{7}{16}$ " OSB Web  
3½" x 1½" Flange



### PWI 52S

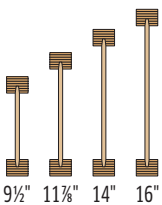
$\frac{7}{16}$ " OSB Web  
3½" x 1½" Flange



## LVL FLANGE

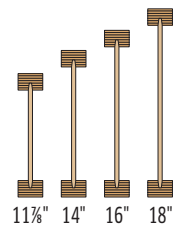
### PWI 53L

$\frac{3}{8}$ " OSB Web  
2½" x 1½" Flange



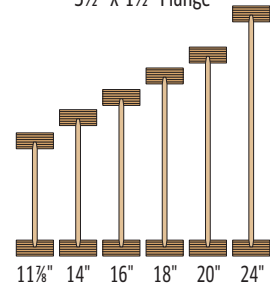
### PWI 36L

$\frac{3}{8}$ " OSB Web  
2¼" x 1½" Flange



### PWI 56L

$\frac{7}{16}$ " OSB Web  
3½" x 1½" 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](http://pwtewp.com).





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# PWT LVL Reference Design Values

1.5E 2250F <sub>B</sub> <sup>(1)(7)</sup>	
True (Shear-Free) Modulus of Elasticity, MOE	1 500 000 psi <sup>(2)(6)</sup>
Bending (beam), F <sub>B</sub>	4 158 psi <sup>(4)(5)</sup>
Horizontal Shear (beam), F <sub>V</sub>	530 psi
Compression Perpendicular to Grain (beam), F <sub>C</sub>	1 365 psi <sup>(2)</sup>

2.0E 2900F <sub>B</sub> <sup>(1)(7)</sup>	
True (Shear-Free) Modulus of Elasticity, MOE	2 000 000 psi <sup>(2)(6)</sup>
Bending (beam), F <sub>B</sub>	5 359 psi <sup>(3)(5)</sup>
Horizontal Shear (beam), F <sub>V</sub>	530 psi
Compression Perpendicular to Grain (beam), F <sub>C</sub>	1 365 psi <sup>(2)</sup>

2.1E 3100F <sub>B</sub> <sup>(1)(7)</sup>	
True (Shear-Free) Modulus of Elasticity, MOE	3 100 000 psi <sup>(2)(6)</sup>
Bending (beam), F <sub>B</sub>	5 729 psi <sup>(4)(5)</sup>
Horizontal Shear (beam), F <sub>V</sub>	530 psi
Compression Perpendicular to Grain (beam), F <sub>C</sub>	1 365 psi <sup>(2)</sup>

	3½"	5½"	7¼"	9¼"	9½"	11¼"	11½"	14"	16"	18"
1½" x	X	X	X	X	X	X	X	X	X	X
1¾" x	X	X	X	X	X	X	X	X	X	X

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

	3½"	5½"	7¼"	9¼"	9½"	11¼"	11½"	14"	16"	18"
1½" x	X	X	X	X	X	X	X	X	X	X
1¾" x	X	X	X	X	X	X	X	X	X	X

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

	3½"	5½"	7¼"	9¼"	9½"	11¼"	11½"	14"	16"	18"
3½" x	X	X	X		X		X	X	X	X
5½" 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. Values apply to dry service conditions
2. Do not adjust for load duration
3. For depths > 12" adjust by (12/d)<sup>1/5</sup>, for depths < 12" adjust by (12/d)<sup>0.111</sup> where d is the depth of the member [inches]
4. Adjust by (12/d)<sup>1/5</sup>, where d is the depth of the member [inches]
5. Adjust by 1.04 for repetitive members as defined in the ANSI/AWC NDS
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-L280\(C\)](#)

To review PWT LVL products, please visit [pwtewp.com](http://pwtewp.com).



# PWT™

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[pwtewp.com](http://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](http://pwtewp.com).

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

# PWT™

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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](http://pwtewp.com), or call 888.707.2285.