

USE OF USP PRODUCTS WITH PASLODE POSITIVE PLACEMENT NAILS™



Allowable Load Adjustment Factors

Paslode Positive Placement Nails™ are acceptable substitutes for specified nails for USP's face mount hangers, hurricane/seismic anchors, clips, and straps. Due to the 2001 NDS® for Wood Construction requirements for nail penetration, some Paslode nail sizes may have reductions. Please refer to the following chart for Allowable Load Adjustment factors:

USP Listed Nail	ITW Paslode Installed Nail	Allowable Load Adjustment Factor
Full Value Nail Conversion		
16d common	.162 x 2-1/2"	1.0
10d common	.148 x 2-1/2"	1.0
8d common	.131 x 2-1/2"	1.0
10d x 1-1/2	.148 x 1-1/2"	1.0
8d x 1-1/2	.131 x 1-1/2"	1.0
Reduced Value Nail Conversion		
16d common	.148 x 2-1/2"	0.83
16d common	.131 x 2-1/2"	0.70
16d common	.148 x 1-1/2"	0.81
16d common	.131 x 1-1/2"	0.69
10d common	.131 x 2-1/2"	0.83
10d common	.148 x 1-1/2"	0.97
10d common	.131 x 1-1/2"	0.83
10d x 1-1/2	.131 x 1-1/2"	0.86

= Nail head marketing (typical)
Allowable nail substitutions for strap products:

- .131 x 1-1/2" = 8dx1-1/2
- .131 x 2-1/2" = 8d common
- .148 x 1-1/2" = 10dx1-1/2
- .148 x 2-1/2" = 10d common
- .148 x 2-1/2" = 16d sinker
- .162 x 2-1/2" = 16d common

- For USP products with multiple fastener sizes specified, use highest reduction factor of the fasteners listed.
- Allowable loads in USP literature assume fastening into Douglas Fir-Larch or Southern Pine Lumber.
- Different lumber species may require additional load reductions. Determine appropriate reduction in accordance with the provisions of the American Forest and Paper Association National Design Specification for Wood Construction (NDS), 2001 edition.
- Adjustment factors do **NOT** apply to hangers requiring double shear joist nailing. Additional reductions may be necessary depending upon fastener length.
- Paslode Positive Placement Nails™ are listed in ICBO Evaluation Report 5179.

Contact Steve Brekke of *USP Structural Connectors®* at 800-328-5934, or Henry Schniedermeier of *Paslode* at 800-468-7403 with any further questions.

Agreed to and Accepted by:

Steve Brekke, P.E.
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Agreed to and Accepted by:

Henry Schniedermeier
ITW Paslode

USP supplies quality products to build Stronger Safer Structures



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Information valid until December 31, 2006.

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USP812-051

TECH BULLETIN