



OlyLog[®]

LOG HOME FASTENER

FEATURES

- Installs faster and easier than lags and spikes
- No predrilling
- Draws warped logs down
- Removable and reusable
- Eliminates jarring and damage caused by a sledgehammer

DESCRIPTION

OlyLog is the first threaded log home fastener which requires no predrilling and is ACQ approved.

INSTALLATION INSTRUCTIONS

Use a 1/2", high torque, low RPM drill. Install OlyLog perpendicular to the log. Countersink minimum of 1/4".

LENGTHS: 2 1/2", 4", 6", 8", 9", 10", 12", 14", 16"

PACKAGING QUANTITIES

250 pc box, 500 pc box (2 1/2" only)



LogHog[®]

HEAVY DUTY LOG HOME FASTENER

FEATURES

- Installs much faster and easier than lags and spikes
- Countersinks into log —allows log to settle naturally
- No predrilling
- Removable and reusable
- Eliminates jarring and damage caused by a sledgehammer
- Corrosion resistance guaranteed. ACQ Approved

DESCRIPTION

LogHog is an extra heavy-duty log home fastener, engineered for specific log home construction applications. The LogHog, with its oversized head, thicker diameter and additional thread, offers increased draw-down and holding power. This fastener is corrosion resistant guaranteed.

INSTALLATION INSTRUCTIONS

Use a 1/2", high torque, low RPM drill. Install LogHog perpendicular to the log. Countersink minimum of 1/4".

LENGTHS: 7", 9", 10" 11", 12", 13", 15"

PACKAGING QUANTITIES

150 pc box (15" only), 250 pc box



OlyLog SKU Selection Guide		
LENGTH	PACKAGING QTY	SKU
2 1/2"	500 pc box	LOG212
4"	250 pc box	LOG004
6"	250 pc box	LOG006
8"	250 pc box	LOG008
9"	250 pc box	LOG009
10"	250 pc box	LOG010
12"	250 pc box	LOG012
14"	250 pc box	LOG014
16"	250 pc box	LOG016

LogHog SKU Selection Guide		
LENGTH	PACKAGING QTY	SKU
7"	250 pc box	LHOG007
9"	250 pc box	LHOG009
10"	250 pc box	LHOG010
11"	250 pc box	LHOG011
12"	250 pc box	LHOG012
13"	250 pc box	LHOG013
15"	150 pc box	LHOG015

For technical support or to place an order: 800-518-3569 or www.FastenMaster.com

REFERENCE CHARTS

The following tables are taken from ICC-ES ESR-1078 Evaluation Report. These can be used for reference when designing connections other than those described in the preceding pages. Please refer to the full report for additional information including conditions of use and minimum edge and end distances. This can be found at www.FastenMaster.com or www.icc-es.org.

Table 1 Reference Withdrawal Design Values (W) ^{1,2,3}							
[Reference withdrawal design values (W) are in pounds per inch of thread penetration into side grain of main member]							
Fastener	Thread Length, L' (inches)	W (lbf./in.) for Specific Gravities of:					
		0.57	0.55	0.50	0.46	0.43	0.42
OlyLog/TimberLOK	1.25 or 2.0	270	260	220	200	180	170
HeadLOK	2.0	290	270	230	200	180	170
LedgerLOK/LogHog	2.0 or 3.0	330	310	270	240	220	210
TrussLOK	1 1/2	—	—	180	—	—	—
ThruLOK ⁽⁶⁾	NA	1140	1060	900	780	700	680

For SI: 1 inch = 25.4 mm, 1 lbf/in = 175 N/m.

¹Tabulated reference withdrawal design values, W, apply to fasteners driven into the side grain of the main member, such that the screws are oriented perpendicular to the grain and loaded in direct withdrawal.

²Reference withdrawal design values must be multiplied by all applicable adjustment factors, in accordance with Section 4.1.

³Reference withdrawal design values are to be multiplied by the length of thread penetration into the main member, but must not exceed the head pull-through design values given in Table 2. Threaded length includes the tapered tip.

⁴See Tables 1A through 1F for thread lengths corresponding to specific fastener model numbers.

⁵The ThruLOK must be used with the ThruLOK washer and nut (supplied with the fastener). The nut must be installed such that it is snug against the main member, and at least 1/2" of the threaded portion of the shank (not including the tip) is within the nut.

⁶Tabulated withdrawal values for the ThruLOK are based on the head pull-through design values given in Table 2, as these values will govern designs in which the screw is subject to axial tension, where the ThruLOK is properly installed with the ThruLOK washer and nut (see footnote 5 above).

Table 2 Reference Head Pull-Through Design Values (P) ^{1,2}							
Fastener	Minimum Side Member Thickness (inches)	P (lbf) for Specific Gravities of:					
		0.57	0.55	0.50	0.46	0.43	0.42
OlyLog/TimberLOK	1.5	220	200	160	130	110	110
HeadLOK	1.5	630	600	520	460	410	400
LedgerLOK/LogHog	1.5	320	290	240	200	180	170
TrussLOK	1.5	—	—	260	—	—	—
ThruLOK ⁽³⁾	1.5	1140	1060	900	780	700	680

For SI: 1 inch = 25.4 mm, 1 pound = 4.448 kPa.

¹Reference head pull-through design values, P, must be multiplied by all applicable adjustment factors, in accordance with Section 4.1

²Design values apply to connections with minimum side member thicknesses, t, as given above

³The ThruLOK must be used with the ThruLOK washer and nut (supplied with the fastener). The nut must be installed such that it is snug against the main member, and at least 1/2" of the threaded portion of the shank (not including the tip) is within the nut

Table 3 Reference Lateral Design Values (Z) for Single Shear (Two Member) Wood-to-Wood Connections Loaded Parallel (Z) or Perpendicular (Z _⊥) to the Grain ^{1,2}										
Fastener		Minimum Side Member Thickness ³ , t _s (inches)	Minimum Main Member Penetration ⁴ , p (inches)		Z (lbf) for Minimum Specific Gravities of:					
					0.50		0.46		0.42	
Designation	Length (inches)				Z	Z _⊥	Z	Z _⊥	Z	Z _⊥
OlyLog/TimberLOK	2 1/2	1 1/2	1		240	220	220	200	200	180
	4 & longer	1 1/2	2 1/2		280	260	260	230	240	210
	6 & longer	2 1/2	3 1/2		290	270	270	250	250	230
	8 & longer	3	5		290	270	260	250	240	230
HeadLOK	2 7/8	1 1/2	1 3/8		240	210	220	180	210	150
	4 1/2	1 1/2	3		280	260	260	240	250	220
	6 & longer	1 1/2	4 1/2		290	270	270	250	250	230
	6 & longer	2 1/2	3 1/2		300	280	280	260	270	240
	8 & longer	3	5		290	280	280	260	260	230
LedgerLOK	3 5/8	1 1/2	1 1/2		—	260	—	220	—	220
	3 5/8	1 1/2	2 1/8		310	310	290	280	270	250
	5	1 1/2	3 1/2		320	300	300	280	280	260
LogHog	9 & longer	6	3		310	300	290	280	270	260
TrussLOK	3 3/8	1 3/4	1 5/8		320	290	300	270	280	260
	5	1 3/4	3 1/4		330	300	310	270	290	250
	6 3/4	1 3/4	5		330	310	310	290	290	270
Fastener		Minimum Side Member Thickness ³ , t _s (inches)	Minimum Main Member Penetration ⁴ , p (inches)		Z (lbf) for Minimum Specific Gravities of:					
					0.5		0.46		0.42	
Designation	Length (inches)				Z	Z _⊥	Z	Z _⊥	Z	Z _⊥
ThruLOK ⁽⁵⁾	6 1/4	1 1/2	3 1/4	4 1/4	350	320	320	300	300	270
	7	1 1/2	4	5	350	330	320	300	300	270
	8	1 1/2	3 1/2	4 1/2	350	330	320	300	300	270

For SI: 1 inch = 25.4 mm, 1 pound = 4.448kPa.

¹Tabulated reference lateral design values, Z, apply to single shear (two-member) connections with wood main and side members having specific gravity as shown, in which the screw is oriented perpendicular to the grain and loaded laterally either parallel or perpendicular to the grain. For connections in which the main and side members have different specific gravities, use the lower of the two. Gaps are not permitted between the main and side members.

²Values must be multiplied by all applicable adjustment factors, in accordance with Section 4.1.

³Side members with thicknesses greater than the tabulated minimum side member thickness may be used, provided the corresponding tabulated minimum main member penetration is still achieved for the given screw length.

⁴Minimum main member penetration is the minimum length of the screw (including threaded, unthreaded and tip length) that must be embedded within the main member.

⁵The ThruLOK must be installed with the washer and nut, and must penetrate through the opposite face of the main member a sufficient distance to allow the nut to be tightened snugly against the main member, with at least 1/2", and no more than 1 1/2" of the ThruLOK screw engaged within the nut.

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