



# HeadLok<sup>®</sup>

## HEAVY DUTY FLATHEAD FASTENER

**No Predrilling.  
Faster, Easier, Stronger  
than 3/8" lags.  
Non-Countersinking Head.**

- Stronger design shear values than 3/8" lags
- Sharp gimlet point for fast installation into wood and OSB
- Aggressive thread for holding and withdrawal strength
- Chamfer under head for increased strength
- Spider Drive™ offers highest level of bit engagement and drivability
- Variety of lengths to match wide range of applications
- Wafer head eliminates need for washer and offers dramatically increased pull through strength
- Free Spider Drive™ bit in every package

Photographs should not be used as a reference for fastening patterns.



DECKS



RAFTERS



STAIRS



CABINETS

**For more information or free samples,  
call FastenMaster at 800-518-3569.**

## INSTALLATION PROCEDURE

Using a 1/2" high torque drill (18V cordless or higher), drive the HeadLok head flush to the surface. No predrilling required when proper end and edge distances are maintained.

Lateral Design Values (in pounds per Fastener) for single shear connections loaded perpendicular to grain

Wood	Specific Gravity**	FastenMaster HeadLok	Nails			Lags	
			10D	16D	20D	1/4"	3/8"
Red Oak	0.67	299	154	184	222	140	160
Southern Pine	0.55	257	128	154	185	120	140
Doug. Fir-L, SCL*	0.50	240	118	141	170	110	130
Doug. Fir-S	0.46	226	109	131	157	100	120
Hem. Fir	0.43	215	102	122	147	100	120
E. Spruce, W. Cedar	0.36	189	87	104	126	90	100

\* SCL=Structural Composite Lumber (LVL,PSL and LSL)

\*\* Wood species identified typically have average specific gravity similar to the values shown on this table.

All design values based on 1 1/2" side member thickness and penetration into main member as follows; HeadLok 2", Nails 10x diameter, Lags 8x diameter. Design values may be subject to adjustment factors (section 10.3 in NDS) based on conditions existing during installation as well as those expected during service life.

The lag screw and nail design values included in these tables are compiled directly from the 2005 National Design Specification for Wood Construction (2005 NDS). The FastenMaster HeadLok design value calculations are based on independent lab testing as outlined in ICC Acceptance Criteria AC233. All values have been reviewed and certified by a professional engineer.

The statement "Faster, Easier, Stronger than 3/8" lag screws" refers to the comparison of design shear values of HeadLoks and 3/8" lag screws.

A Professional Engineer (PE) is responsible for designing all connections, which include the number and location of all fasteners to meet the national and local code requirements. All minimum end, edge and spacing distances of the HeadLok should follow minimums set forth in the 2005 NDS. Predrilling is recommended on spacing closer than this to avoid splitting.

**Caution:** Photographs showing HeadLok usage should not be used as a reference for fastening patterns.

For additional engineering data and technical assistance, please contact FastenMaster Technical Support at 800-518-3569.

Item #	Screw Length	Quantity per Pack	Driver Bits Included
FMHLGM412-12	4 1/2"	12	1
FMHLGM006-12	6"	12	1
FMHLGM278-50	2 7/8"	50	3
FMHLGM334-50	3 3/4"	50	3
FMHLGM412-50	4 1/2"	50	3
FMHLGM005-50	5"	50	3
FMHLGM006-50	6"	50	3
FMHLGM278-500	2 7/8"	500	5
FMHLGM334-250	3 3/4"	250	5
FMHLGM412-250	4 1/2"	250	5
FMHLGM005-250	5"	250	5
FMHLGM512-250	5 1/2"	250	5
FMHLGM006-250	6"	250	5
FMHLGM612-250	6 1/2"	250	5
FMHLGM007-250	7"	250	5
FMHLGM712-250	7 1/2"	250	5
FMHLGM008-250	8"	250	5
FMHLGM812-250	8 1/2"	250	5
FMHLGM009-250	9"	250	5
FMHLGM912-250	9 1/2"	250	5
FMHLGM010-250	10"	250	5
FMHLGM011-250	11"	250	5
FMHLGM012-250	12"	250	5
FMHLGM013-250	13"	250	5
FMHLGM014-250	14"	250	5
FMHLGM015-250	15"	250	5
FMHLGM016-250	16"	250	5
FMHLGM018-250	18"	250	5
FMSPIDER3-2PK	Driver Bit for HeadLok w/Spider Drive		2

## PRODUCT FEATURES

**WAFFER HEAD**  
ELIMINATES NEED FOR WASHER AND OFFERS INCREASED PULL THROUGH STRENGTH

**CHAMFER UNDER HEAD**  
FOR INCREASED STRENGTH

**AGGRESSIVE THREAD**  
FOR HOLDING AND WITHDRAWAL STRENGTH

**SHARP GIMLET POINT**  
FOR FAST INSTALLATION

**SPIDER DRIVE™ SYSTEM DESIGN**  
OFFERS HIGH LEVEL OF BIT ENGAGEMENT AND DRIVABILITY

**NEW SPIDER DRIVE BIT**  
INCLUDED

