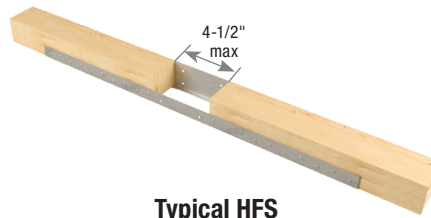


The HFS Hardy Frame® Saddle is a 14 gauge steel channel intended to be used as a splice at locations where plumbing or other vertical penetrations destroy the structural integrity of a wall's top plates.

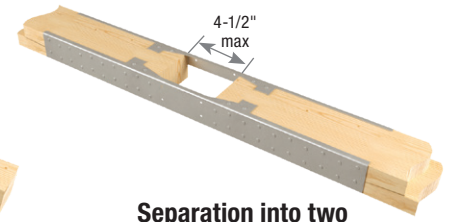
Materials: 14 gauge
Finish: G60 galvanizing
Codes: IBC, FL, LA

Installation:

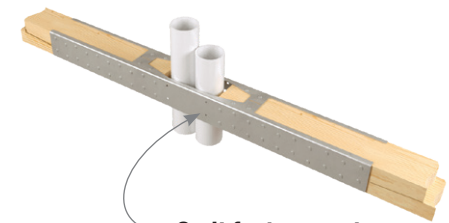
- Use all specified fasteners. See Product Notes, page 18.
- The Saddle can be installed over the top or from the underside of the top plates, and is capable of resisting both tension and compression loads in a clearspan of up to 4-1/2".
- For wall depths greater than 3-1/2", or to install after plumbing lines have been run, the product can be separated into two "L" shapes by gripping the legs of the channel and flexing the top surface along the serration lines.



Typical HFS installation to underside of double top plates.



Separation into two "L" shapes at 6" and greater depths



Omit fasteners at first holes when the end distance is less than 1"

MiTek USP Stock No.	Ref. No.	Steel Gauge	Dimensions (in)		Notch Width	Fastener Schedule		DF/SP Allowable Loads (Lbs.) ^{1,3}		S-P-F Allowable Loads (Lbs.) ^{1,3}		Code Ref.
			W	L		Qty ²	Type ⁴	Tension 100%	Compression 100%	Tension 100%	Compression 100%	
HFS24	--	14	3-5/8	24	≤ 4-1/2	24	16d	2950	2500	2537	2500	IBC, FL, LA
HFS36	--	14	3-5/8	36	≤ 4-1/2	32	16d	4280	2500	3681	2500	

- 1) Allowable tension loads are for normal duration. The values may be adjusted for other durations, such as for seismic and wind loading in accordance with the NDS.
- 2) Fastener quantity is the number of 16d common nails to be installed into each of the members to be joined. When the end distance from the joint to the first nail hole is less than 1", omit the (2) nails in the 3" side-plate and the (1) nail in the 1-1/2" side-plate that are nearest the joint.
- 3) There is no reduction in double top plate capacity provided the HFS24 is installed with minimum (22) 16d common nails in each member being joined (44 total) and the HFS36 is installed with (31) 16d common nails in each member (62 total).
- 4) **NAILS:** 16d nails are 0.162" dia. x 3-1/2" long.

KRPS repair straps meet IBC, IRC, & L.A. City requirements for notched plates where placed in partitions.

Materials: See chart

Finish: G90 galvanizing

Options: See chart for Corrosion Finish Options

Codes: See chart for code references

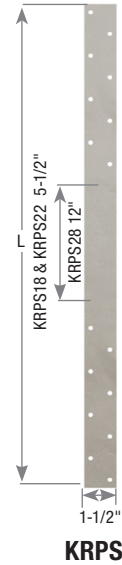
IRC R602.6.1, IBC 2308.5.8

Installation:

- Use all specified fasteners. See Product Notes, page 18.
- Install one strap tie for each 2x plate.



Typical KRPS installation



KRPS

MiTek USP Stock No. ³	Ref. No.	Steel Gauge	Dimensions (in)		Notch Width (in)	Fastener Schedule ²		DF/SP Allowable Loads (Lbs.) ¹ Tension 160%	Corrosion Finish	Code Ref.
			W	L		Qty	Type			
KRPS18	RPS18	16	1-1/2	18-5/16	≤ 5-1/2	12	16d	1345		IBC, FL, LA
KRPS22	RPS22	16	1-1/2	22-5/16	≤ 5-1/2	12	16d	1345	Green	IBC, FL
						16		1790		IBC, FL, LA
KRPS28	RPS28	16	1-1/2	28-5/16	≤ 12	12	16d	1345	Green	IBC, FL
						16		1790		IBC, FL, LA

1) Allowable loads have been increased 60% for wind or seismic loads; no further increase shall be permitted.

2) **NAILS:** 16d nails are 0.162" dia. x 3-1/2" long.

Corrosion Finish ■ Stainless Steel ■ Gold Coat ■ HDG ■ Triple Zinc

STS Stud Shoes

Stud shoes reinforce joists, plates, studs, or rafters which have been drilled or notched during construction.

Materials: 16 gauge

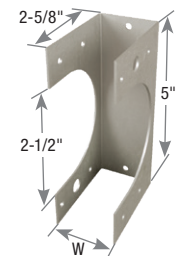
Finish: G90 galvanizing

Installation:

- Use all specified fasteners. See Product Notes, page 18.
- **STS units are not structurally rated and should not be used as a total member replacement in structural applications.**
- For use with 2" O.D. pipe.



Typical STS1 installation



STS

MiTek USP Stock No.	Ref. No.	Steel Gauge	Description	Dimensions (in)	Fastener Schedule ^{1,2}		Code Ref.
				W	Qty	Type	
STS1	SS1.5	18	Single Stud	1-9/16	10	10d x 1-1/2	--
STS2	SS3	18	Double Stud	3-1/16	12	10d	
STS3	SS4.5	18	Triple Stud	4-9/16	14	10d	

1) Maximum hole size = 2".

2) **NAILS:** 10d x 1-1/2 nails are 0.148" dia. x 1-1/2" long, 10d nails are 0.148" dia. x 3" long.