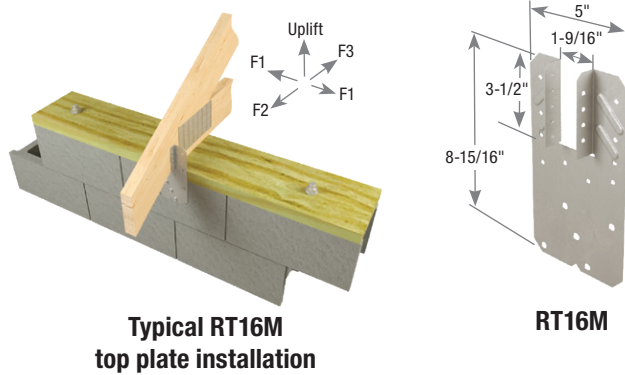


Designed as a retrofit connector for trusses installed on top plates. Can also be used as a hold-down for a roof or floor system.

Materials: 18 gauge
Finish: G90 galvanizing
Codes: FL

Installation:

- Use all specified fasteners. See Product Notes, page 18.
- Concrete screws are not supplied with RT16M connector.
- Install concrete screws in lower two holes for Single Top Plate or Conventional Raised Foundation or Modular Home Installations.
- **Moisture barrier may be required.**



MiTek USP Stock No.	Ref. No.	Steel Gauge	Fastener Schedule						DF/SP Allowable Loads (Lbs.) ¹				S-P-F Allowable Loads (Lbs.) ¹				Code Ref.
			Truss/Rafter ⁵		Top Plate ⁵		CMU/Concrete ^{2,3,4}		Uplift 160%	F1 160%	F2 160%	F3 160%	Uplift 160%	F1 160%	F2 160%	F3 160%	
			Qty	Type	Qty	Type	Qty	Screws (in)									
RT16M	HM9KT	18	9	10d x 1-1/2"	--	--	4	1/4 x 1-3/4"	1395	630	125	490	1225	515	125	490	FL
					4	16d	2	Tapcon	1360	630	125	490	1200	515	85	400	

- 1) Allowable loads have been increased 60% for wind or seismic loads; no further increase shall be permitted.
 - 2) Install with 1/4" x 1-3/4" Tapcon® Concrete Screws in accordance to manufacturer's installation specifications.
 - 3) Fasteners to be installed to fully grouted and reinforced concrete masonry.
 - 4) Concrete compressive strength shall be 2,500 psi or greater at 28 days.
 - 5) **NAILS:** 10d x 1-1/2" nails are 0.148" dia. x 1-1/2" long, 16d nails are 0.162" dia. x 3-1/2" long.
- New products or updated product information are designated in **blue font**.

HGA Hurricane Gusset Angles

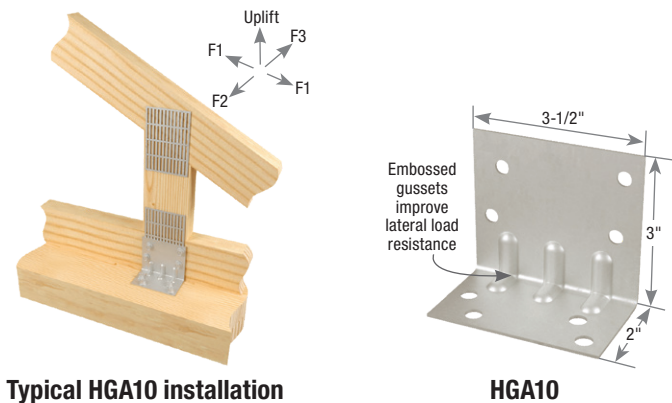
Designed for attaching gable end trusses to wood top plates and masonry walls.

Versatile wood-to-wood connector that satisfies high wind and seismic loading requirements.

Materials: 14 gauge
Finish: G90 galvanizing
Codes: IBC, FL, LA

Installation:

- Use all specified fasteners. See Product Notes, page 18.
- Install with MiTek's WS3 structural wood screws into top plate and MiTek's WS15 structural wood screws into the truss.
- MiTek's WS structural wood screws are included with HGA10 angles.
- **Moisture barrier may be required.**

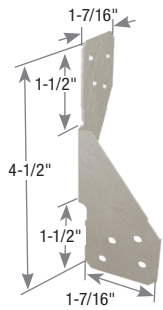


MiTek USP Stock No.	Ref. No.	Steel Gauge	Fastener Schedule ²				Wall Framing	DF/SP Allowable Loads (Lbs.) ¹				S-P-F Allowable Loads (Lbs.) ¹				Code Ref.
			Rafter/Truss		Plate			Uplift 160%	F1 160%	F2 160%	F3 160%	Uplift 160%	F1 160%	F2 160%	F3 160%	
			Qty	Type	Qty	Type										
HGA10KT ³	HGA10KT	14	4	WS15	4	WS3	2x4	790	1105	340	835	515	820	250	620	IBC, FL, LA
						2x6			1065					890		

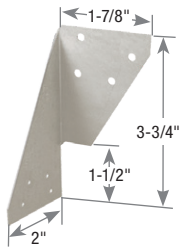
- 1) Allowable loads have been increased 60% for wind or seismic loads; no further increase shall be permitted.
 - 2) MiTek's WS15 structural wood screws are 1/4" dia. x 1-1/2" long and WS3 structural wood screws are 1/4" dia. x 3" long.
 - 3) The HGA10KT is a kit with (10) HGA10 angles packaged with MiTek's WS structural wood screws.
- New products or updated product information are designated in **blue font**.

These anchors tie trusses and rafters to top plates and may be used to tie wood framing members to resist uplift and lateral forces.

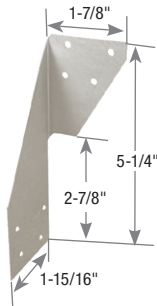
Truss & Rafter



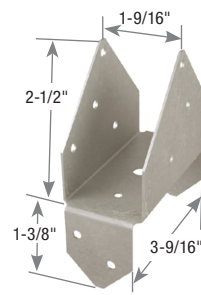
RT3A



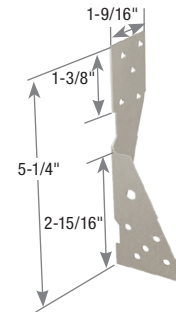
RT4
(left version shown)



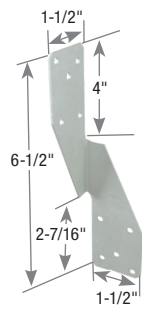
RT5
(left version shown)



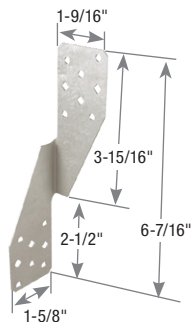
RT6



RT7
(left version shown)



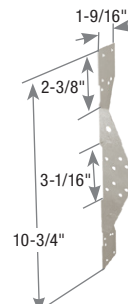
RT7A



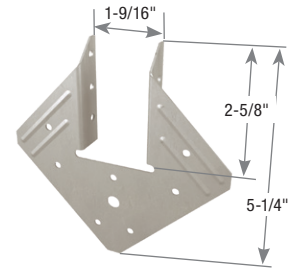
RT7AT



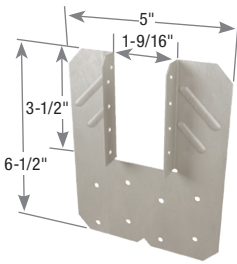
RT8A



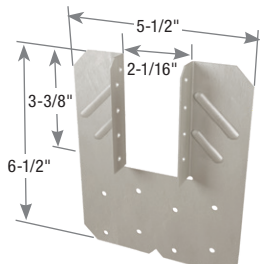
RT10



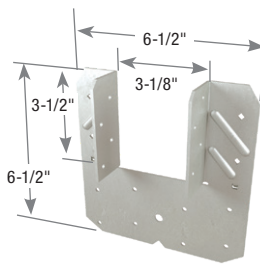
RT15



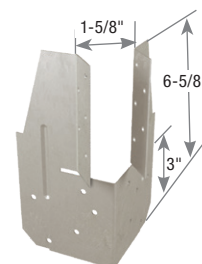
RT16A



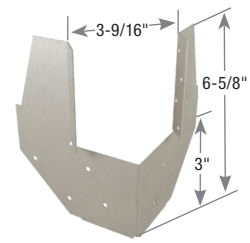
RT16AR



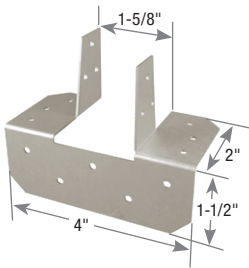
RT16-2



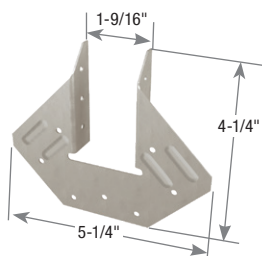
HHCP2



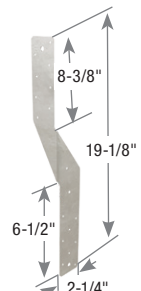
HHCP4-TZ



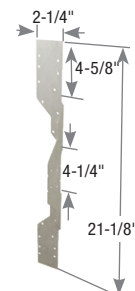
HC520



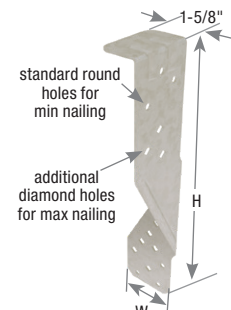
HCPRS



LFTA6
(left version shown)



RT20



TSP

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Continued on next page

Materials: See chart

Finish: G90 galvanizing; HHCP4-TZ – G-185 galvanizing

Options: See chart for Corrosion Finish Options

Codes: See chart for code references

Installation:

- Use all specified fasteners. See Product Notes, page 18.
- **TSP Min Nailing** – Fill all round holes.
- **TSP Max Nailing** – Fill all round and diamond holes.
- To achieve full allowable loads listed, fasteners must be installed as prescribed in the chart.
- Depending on pitch, birdsmouth notching may be required with some models to enable installers to fill all nail holes.
- Designer shall determine if solid blocking is required.
- LFTA6, RT4, RT5, and RT7 ship in equal quantities of left and right versions. Left version images shown.



Truss & Rafter

MiTek USP Stock No.	Ref. No.	Steel Gauge	Fastener Schedule ^{3,4}						DF/SP Allowable Loads (Lbs.) ¹				S-P-F Allowable Loads (Lbs.) ¹				Corrosion Finish	Code Ref.		
			Truss/Rafter		Plate		Stud		Uplift 160%	Lateral			Uplift 160%	Lateral						
			Qty	Type	Qty	Type	Qty	Type		F1 160%	F2 160%	F3 160%		F4 160%	F1 160%	F2 160%			F3 160%	F4 160%
RT3A	H3	18	4	8d x 1-1/2	4	8d	--	--	350	190	65	130	90	310	155	65	130	90	Green	IBC, FL, LA
			4	8d x 1-1/2	4	8d x 1-1/2	--	--	345	190	65	130	90	305	155	65	130	90		
RT4	--	18	4	8d x 1-1/2	4	8d	--	--	305	205	140	230	230	270	165	140	190	160	Green	IBC, FL, LA
RT5	--	18	4	8d x 1-1/2	4	8d	--	--	380	160	80	280	180	335	160	80	225	180	Green	
RT6	HS24	18	8	8d x 1-1/2	6	8d	--	--	605	835	800	--	--	535	670	575	--	--	Green	IBC, FL, LA
RT7	--	18	5	8d x 1-1/2	5	8d	--	--	540	270	120	185	140	475	260	120	185	140	Green	
			5	8d x 1-1/2	5	8d x 1-1/2	--	--	515	270	120	185	140	455	260	120	185	140	Green	
RT7A	H2.5A	18	5	8d x 1-1/2	5	8d	--	--	580	285	190	135	120	510	230	190	110	120	Green	IBC, FL, LA
			5	8d x 1-1/2	5	8d x 1-1/2	--	--	630	285	190	135	120	510	230	190	110	120	Green	
RT7AT	H2.5T	18	5	8d x 1-1/2	5	8d x 1-1/2	--	--	480	250	150	240	165	425	200	145	240	165	Green	IBC, FL, LA
RT8A	H8	18	5	10d x 1-1/2	5	10d x 1-1/2	--	--	750	265	100	225	150	660	265	100	225	150	Green	
RT10	H2A	18	6	8d x 1-1/2	8	8d	6	8d	540	270	120	185	140	475	260	120	185	140	Green	IBC, FL, LA
			6	8d x 1-1/2	6	8d x 1-1/2	6	8d x 1-1/2	515	270	120	185	140	460	270	120	185	140	Green	
RT15	H1	18	5	8d x 1-1/2	5	8d	--	--	500	490	220	415	--	440	395	220	415	--	Green	IBC, FL, LA
			5	8d x 1-1/2	5	8d x 1-1/2	--	--	580	490	220	415	--	440	395	220	415	--	Green	
RT16A	H10A, H14	18	9	10d x 1-1/2	8	10d	--	--	1025	805	490	455	--	900	660	345	455	--	Green	IBC, FL, LA
			9	8d x 1-1/2	8	8d x 1-1/2	--	--	935	805	490	455	--	820	660	345	455	--	Green	
RT16AR	H10AR	18	9	10d x 1-1/2	8	10d	--	--	1025	805	490	455	--	900	660	345	455	--	Green	IBC, FL, LA
RT16-2	H10A-2	18	8	8d	8	8d	--	--	1060	780	410	405	--	935	625	330	320	--	Green	
HHCP2	HCP2	18	10	10d x 1-1/2	10	10d x 1-1/2	--	--	680	405	--	--	--	595	355	--	--	--	Green	IBC, FL, LA
HHCP4-TZ	HCP4Z	16	8	10d	8	10d	--	--	1015	380	--	--	--	885	330	--	--	--	Green	
HC520	GBC	18	--	--	11	8d	6	8d	515	470	430	--	--	445	405	370	--	--	Green	IBC, FL, LA
			--	--	11	8d x 1-1/2	6	8d x 1-1/2	515	470	430	--	--	445	405	370	--	--	Green	
HCPRS	--	18	6	8d	5	8d	--	--	490	525	345	570	--	315	350	275	385	--	Green	IBC, FL, LA
LFTA6 ²	H6	16	8	8d	8	8d	--	--	980	745	120	--	--	825	625	100	--	--	Green	
			8	8d x 1-1/2	8	8d x 1-1/2	--	--	980	745	120	--	--	825	625	100	--	--	Green	
RT20	H7	16	9	10d x 1-1/2	4	10d	9	10d x 1-1/2	1115	--	--	--	--	980	--	--	--	--	Green	IBC, FL, LA
TSP	TSP	16	3	10d x 1-1/2	3	10d x 1-1/2	--	--	465	--	--	--	--	390	--	--	--	--	Green	
			9	10d x 1-1/2	6	10d x 1-1/2	--	--	830	365	190	210	235	700	305	160	175	200	Green	
			9	10d x 1-1/2	6	10d	--	--	870	365	190	210	235	730	305	160	175	200	Green	IBC, FL, LA

Corrosion Finish

- Stainless Steel
- Gold Coat
- HDG
- Triple Zinc

1) Allowable loads have been increased 60% for wind or seismic loads; no further increase shall be permitted.
 2) LFTA6: To achieve F1 lateral loads, three nails must be installed on each side on the strap located closest to the bend line. Lateral F1 and F2 load directions do not apply to roof truss-to-top plate installations.
 3) 8d common nails may be substituted for 8d x 1-1/2 nails, and 10d common nails may be substituted for 10d x 1-1/2 nails.
 4) Stainless steel ring shank nails must be used with stainless steel connectors to achieve tabulated allowable loads.
 5) **NAILS:** 8d x 1-1/2 nails are 0.131" dia. x 1-1/2" long, 8d nails are 0.131" dia. x 2-1/2" long, 10d x 1-1/2 nails are 0.148" dia. x 1-1/2" long, 10d nails are 0.148" dia. x 3" long.
 New products or updated product information are designated in blue font.

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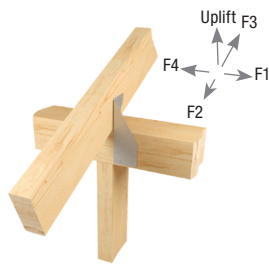
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Typical RT3A truss/rafter to plate installation



Typical RT4 truss/rafter to plate installation



Typical RT5 truss/rafter to double plate installation



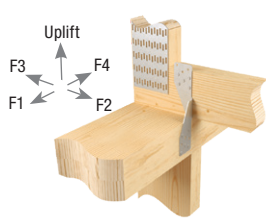
Typical RT6 truss/rafter to plate installation



Typical RT7 truss/rafter to double plate installation



Typical RT7A truss/rafter to double plate installation



Typical RT7AT 2x4 bottom chord installation



Typical RT8A stud to double plate installation



Typical RT10 truss/rafter to double plate to stud installation



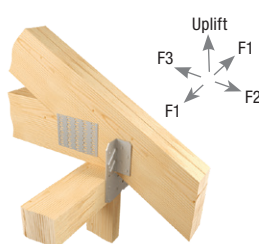
Typical RT15 truss/rafter to double plate installation



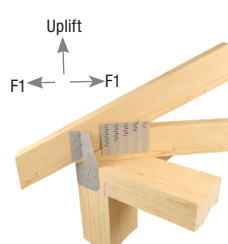
Typical RT16A truss/rafter to double plate installation



Typical RT16AR truss/rafter to double plate installation



Typical RT16-2 truss/rafter to double plate installation



Typical HHCP2 truss/rafter to double plate corner installation



Typical HHCP4-TZ truss/rafter to double plate corner installation



Typical HC520 stud to plate installation



Typical HC520 gable brace installation



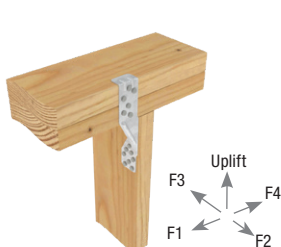
Typical HCPRS truss/rafter to plate installation



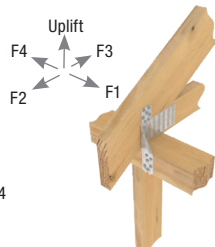
Typical LFTA6 stud to plate installation



Typical RT20 truss/rafter to double plate to stud installation



Typical TSP top plate installation (max nailing)



Typical TSP truss/rafter installation (max nailing)

Anchor installation to achieve twice the load (using two identical anchors)

