

HRS – 12 gauge, 1-3/8" or 3-1/4" wide strapping

LSTA – 20 or 18 gauge, light-capacity 1-1/4" wide strapping

LSTI – 3-3/4" wide strap ties provide tension load path for truss top chords. The nail pattern accommodates open web trusses with double top chord

MSTA – 18 or 16 gauge, medium-capacity 1-1/4" wide strapping

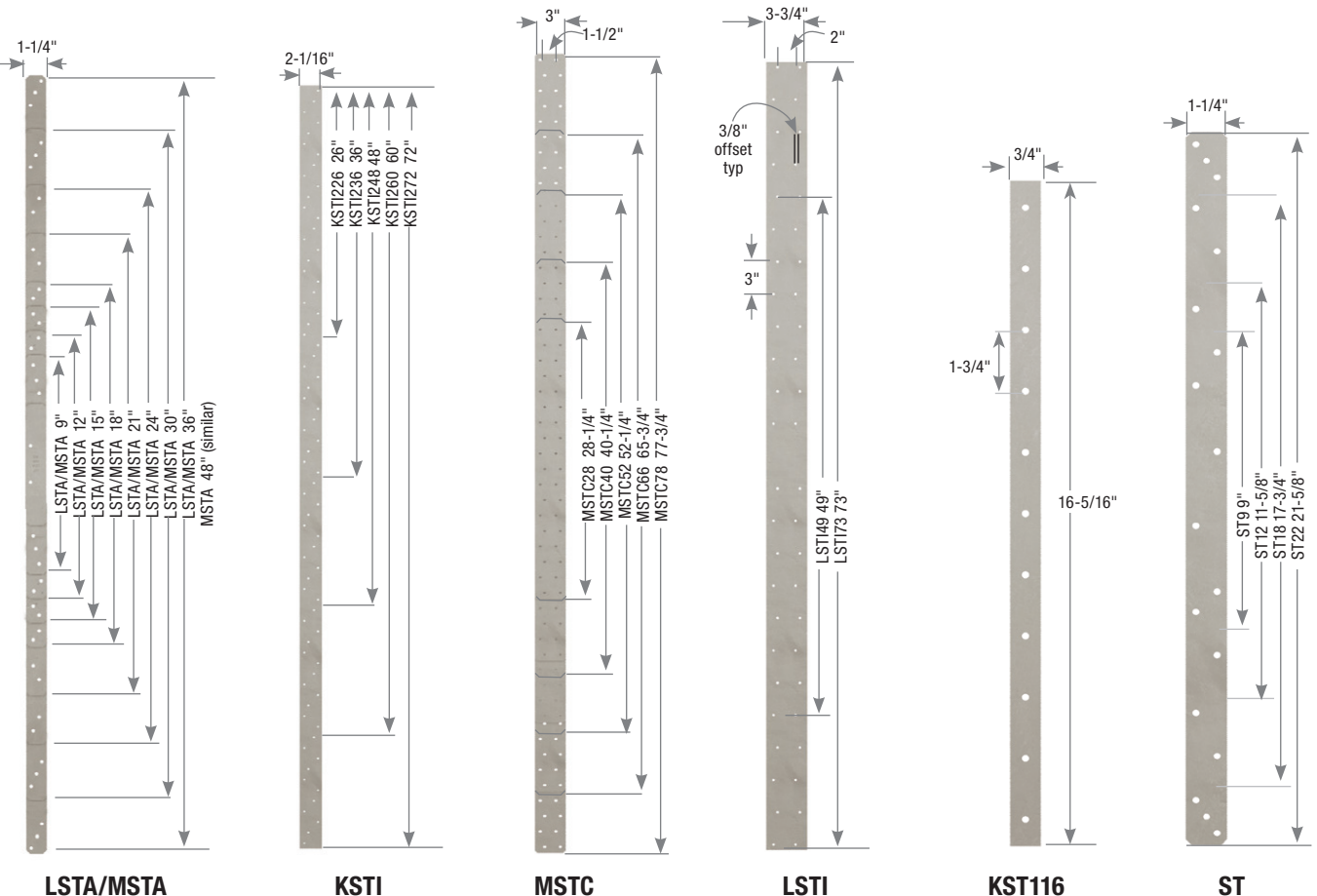
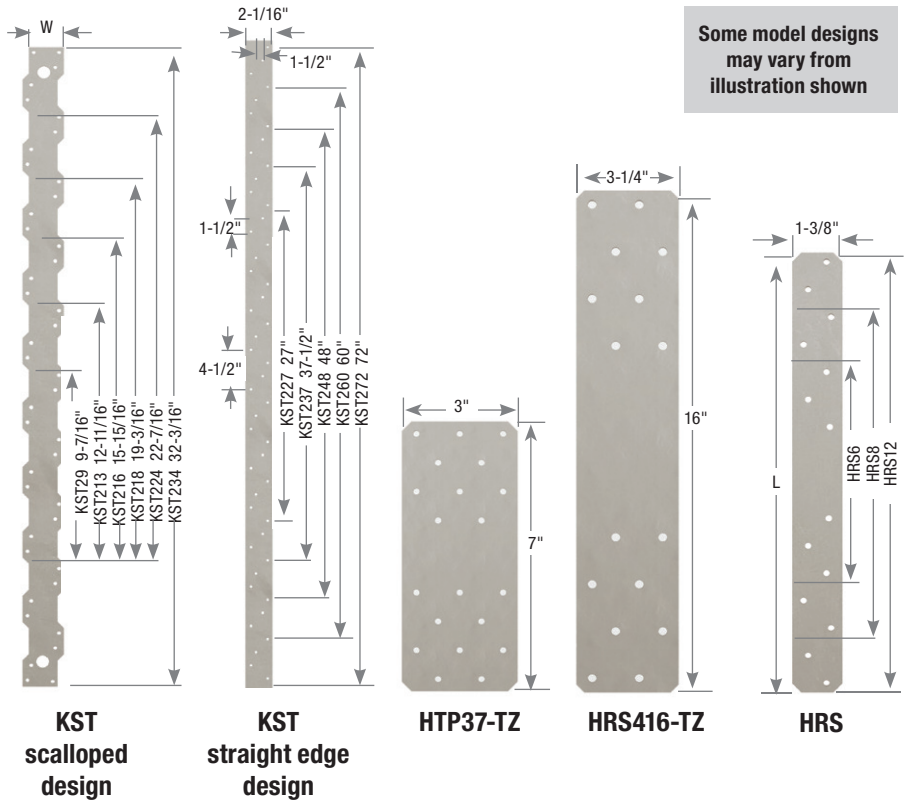
HTP – 16 gauge, medium-capacity 3" wide strapping

ST – 16 gauge, medium-capacity 1-1/4" wide strapping

MSTC – 3" wide strapping. Slotted hole design allows for higher load capacities and reduces splitting of lumber when attached to multiple 2x members

KST – 3/4", 1-3/4", or 2-1/16" wide strapping. Straps can be fastened using either nails or bolts. Some KST straps install only with nails

KSTI – 2-1/16" wide strapping. Straps are designed for installation to wood I-Joist flanges



Continued on next page

Materials: See chart

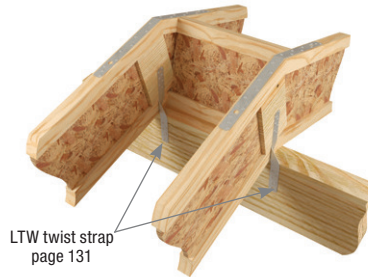
Finish: G90 galvanizing

Options: See chart for Corrosion Finish Options

Codes: See chart for code references

Installation:

- Use all specified fasteners. See Product Notes, page 18.
- Designer may specify alternate nailing schedules. Refer to **Nail Specification Table** on page 23 for nail shear values.
- The quantity of nails installed shall be equally distributed to both ends of the strap.



Typical LSTA/MSTA I-Joist on ridge beam installation



Typical LSTI open web truss installation

MiTek USP Stock No. ⁴	Ref. No.	Steel Gauge	Dimensions (in)		Fastener Schedule ⁵			DF/SP Allowable Tension Loads (Lbs.) ¹	S-P-F/HF Allowable Tension Loads (Lbs.) ¹	Corrosion Finish	Code Ref.
			W	L	Total Qty ²	Min Qty ³	Type				
KST116	ST2115	20	3/4	16-5/16	10	8	16d	665	665		
LSTA9	LSTA9	20	1-1/4	9	8	8	10d	740	635		
LSTA12	LSTA12	20	1-1/4	12	10	10	10d	930	790		
LSTA15	LSTA15	20	1-1/4	15	12	12	10d	1115	950		
LSTA18	LSTA18	20	1-1/4	18	14	14	10d	1235	1110		
LSTA21	LSTA21	20	1-1/4	21	16	16	10d	1235	1235		
LSTA24	LSTA24	20	1-1/4	24	18	16	10d	1235	1235		
KST29	ST292	20	1-3/4	9-7/16	14	14	16d	1545	1320		
KST213	ST2122	20	1-3/4	12-11/16	18	18	16d	1785	1700		
KST216	ST2215	20	1-3/4	15-15/16	22	18	16d	1785	1700		
LSTA30	LSTA30	18	1-1/4	30	22	22	10d	1640	1640		
LSTA36	LSTA36	18	1-1/4	36	26	22	10d	1640	1640		
MSTA9	MSTA9	18	1-1/4	9	8	8	10d	750	645		
MSTA12	MSTA12	18	1-1/4	12	10	10	10d	935	810		
MSTA15	MSTA15	18	1-1/4	15	12	12	10d	1125	970		
MSTA18	MSTA18	18	1-1/4	18	14	14	10d	1310	1130		
MSTA21	MSTA21	18	1-1/4	21	16	16	10d	1500	1295		
MSTA24	MSTA24	18	1-1/4	24	18	18	10d	1640	1455		
LSTI49	LSTI49	18	3-3/4	49	32	32	10d x 1-1/2	2970	2560		
LSTI73	LSTI73	18	3-3/4	73	48	48	10d x 1-1/2	4130	3840		
ST9	ST9	16	1-1/4	9	8	8	16d	895	775		
ST12	ST12	16	1-1/4	11-5/8	10	10	16d	1120	970		
ST18	ST18	16	1-1/4	17-3/4	14	14	16d	1570	1355		
ST22	ST22	16	1-1/4	21-5/8	18	18	16d	1705	1705		
MSTA30	MSTA30	16	1-1/4	30	22	22	10d	2065	1815		
MSTA36	MSTA36	16	1-1/4	36	26	26	10d	2065	2065		
MSTA48	MSTA49	16	1-1/4	48	32	26	10d	2045	2045		
KST218	ST6215	16	1-3/4	19-3/16	26	26	16d	2955	2540		
KST224	ST6224	16	1-3/4	22-7/16	30	30	16d	2960	2930		
HTP37-TZ	HTP37Z	16	3	7	20	20	10d x 1-1/2	1855	1600		--
MSTC28	MSTC28	16	3	28-1/4	36	36	10d	3455	2965		
MSTC40	MSTC40	16	3	40-1/4	52	52	10d	4715	4285		
MSTC52	MSTC52	16	3	52-1/4	52	46	16d	4715	4490		
MSTC52	MSTC52	16	3	52-1/4	70	60	10d	4715	4715		
MSTC52	MSTC52	16	3	52-1/4	70	52	16d	4715	4715		
KST234	ST6236	14	1-3/4	32-3/16	42	36	16d	3775	3660		
MSTC66	MSTC66	14	3	65-3/4	88	72	10d	6015	6015		
MSTC66	MSTC66	14	3	65-3/4	88	62	16d	6015	6015		
MSTC78	MSTC78	14	3	77-3/4	104	76	10d	6015	6015		
MSTC78	MSTC78	14	3	77-3/4	104	66	16d	6015	6015		

IBC, FL, LA

IBC, FL, LA

1) Allowable loads have been increased 60% for wind or seismic loads; no further increase shall be permitted.
 2) Total number of nail and/or bolt holes provided in the strap.
 3) Minimum quantity of fasteners to be installed with equal fasteners at each end of the connection. Product may have additional nail holes not needed to meet published allowable load of product.
 4) For MSTC straps: 16d sinker nails may be substituted for 10d nails with no reduction in load.
 5) **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, 16d nails are 0.162" dia. x 3-1/2" long. New products or updated product information are designated in **blue font**.

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

Continued on next page

MiTek USP Stock No.	Ref. No.	Steel Gauge	Dimensions (in)		Fastener Schedule ^{6,7}					DF/SP Allowable Tension Loads (Lbs.) ^{1,2}		S-P-F/HF Allowable Tension Loads (Lbs.) ^{1,2}		Corrosion Finish	Code Ref.
					Nails			Bolts		Nails	Bolts ⁵	Nails	Bolts ⁵		
			W	L	Total Qty ³	Min Qty ⁴	Type	Min Qty ⁴	Dia.						
										160%	160%	160%	160%		
HRS6	HRS6	12	1-3/8	6	6	6	10d	--	--	640	--	550	--		
HRS8	HRS8	12	1-3/8	8	10	10	10d	--	--	1065	--	920	--		--
HRS12	HRS12	12	1-3/8	12	14	14	10d	--	--	1490	--	1290	--		
KST227	MST27	12	2-1/16	27	34	34	16d	4	1/2	4215	2190	3645	2020		IBC, FL, LA
KST237	MST37	12	2-1/16	37-1/2	48	48	16d	6	1/2	5140	3105	5140	2875		
KST248	MST48	12	2-1/16	48	62	54	16d	8	1/2	5140	3825	5140	3555		
KSTI226	MSTI26	12	2-1/16	26	26	26	10d x 1-1/2	--	--	2765	--	2390	--		
KSTI236	MSTI36	12	2-1/16	36	36	36	10d x 1-1/2	--	--	3830	--	3310	--		
KSTI248	MSTI48	12	2-1/16	48	48	48	10d x 1-1/2	--	--	5105	--	4415	--		
KSTI260	MSTI60	12	2-1/16	60	60	60	10d x 1-1/2	--	--	5140	--	5140	--		
KSTI272	MSTI72	12	2-1/16	72	72	60	10d x 1-1/2	--	--	5140	--	5140	--		
HRS416-TZ	HRS416Z	12	3-1/4	16	16	16	WS15-EXT	--	--	2945	--	2410	--		--
KST260	MST60	10	2-1/16	60	72	64	16d	10	1/2	6720	4695	6720	4425		IBC, FL, LA
KST272	MST72	10	2-1/16	72	72	64	16d	10	1/2	6720	4695	6720	4425		IBC, FL, LA

- 1) Allowable loads have been increased 60% for wind or seismic loads; no further increase shall be permitted.
- 2) Allowable loads are based on the use of either nails or bolts; nail and bolt values cannot be combined.
- 3) Total number of nail and/or bolt holes provided in the strap.
- 4) Minimum quantity of fasteners to be installed with equal quantity of fasteners at each end of the connection. Product may have additional nail holes not needed to meet published allowable load of product.
- 5) Allowable bolt loads are based on parallel-to-grain loading, minimum of 2-1/2" thick.
- 6) MiTek's WS15-EXT structural wood screws are 1/4" dia. x 1-1/2" long.
- 7) **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, 16d nails are 0.162" dia. x 3-1/2" long. New products or updated product information are designated in **blue font**.

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

Clear Span Chart

MiTek USP Stock No.	Ref. No.	Clear Span	10d x 1-1/2 Fasteners ³		10d Fasteners ³		16d Fasteners ³	
			Total ² Qty	DF/SP	Total ² Qty	DF/SP	Total ² Qty	DF/SP
				Tension 160% ¹		Tension 160% ¹		Tension 160% ¹
MSTC28	MSTC28	18	--	--	12	1150	12	1365
		16			16	1535	14	1590
MSTC40	MSTC40	18	--	--	28	2690	24	2725
		16			32	3070	30	3410
MSTC52	MSTC52	18	--	--	44	4225	38	4315
		16			48	4610	42	4715
MSTC66	MSTC66	18	--	--	62	6015	54	6015
		16			64	6015	54	6015
MSTC78	MSTC78	18	--	--	64	6015	54	6015
		16			66	6015	56	6015
KST237	MST37	18	--	--	22	2340	20	2480
		16			24	2555	22	2730
KST248	MST48	18	--	--	34	3620	32	3970
		16			38	4045	34	4215
KST260	MST60	18	--	--	52	6115	46	6255
		16			54	6350	48	6530
KST272	MST72	18	--	--	52	6225	46	6255
		16			54	6350	48	6530
KSTI236	MSTI36	18	14	1410	--	--	--	--
		16	16	1615				
KSTI248	MSTI48	18	26	2620	--	--	--	--
		16	28	2820				
KSTI260	MSTI60	18	38	3830	--	--	--	--
		16	40	4030				
KSTI272	MSTI72	18	50	5040	--	--	--	--
		16	52	5240				

- 1) Allowable loads have been increased 60% for wind or seismic loads; no further increase shall be permitted.
- 2) **Total quantity of nails used.**
- 3) **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, 16d nails are 0.162" dia. x 3-1/2" long. New products or updated product information are designated in **blue font**.

