



A / AC / JA / MP Framing Angles

MP – 18 gauge. Field adjustable from 45° to 180° (flat).

A3 – 18 gauge. Eliminates toenailing and increases strength.

AC – 16 gauge. Features staggered nail patterns which reduces wood splitting and allows installation on both sides of the supported member.

JA – 14 or 16 gauge. Heavier capacity framing angle for joist support.

Materials: See chart

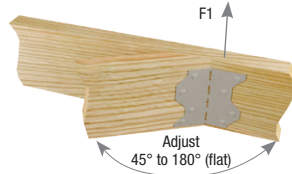
Finish: G90 galvanizing

Options: See current catalogue for options

Codes: Load values are derived from data submitted to various North American building code evaluators.

Installation:

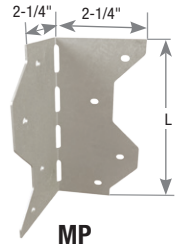
- Use all specified fasteners.
- MP Framing Angles are fabricated at 100° and may be field adjusted by hand from 45° to 180° (flat). Bend angle only once.



Typical MP installation



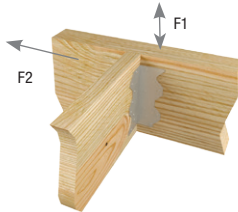
Typical MP rafter support installation



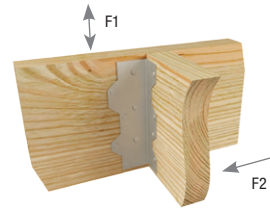
MP



Typical JA1 installation



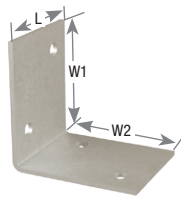
Typical JA7 installation



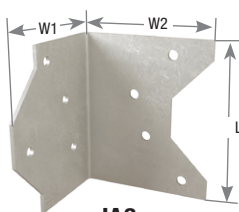
Typical AC installation



Typical A3 installation



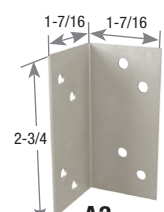
JA1



JA3



AC



A3

MiTek Stock No.	Steel Gauge	Dimensions (in)			Fastener Schedule ^{2,3}				Direction of Load	DF Factored Resistance ¹				S-P-F Factored Resistance ¹			
		W1	W2	L	Header		Joist			Lbs		kN		Lbs		kN	
					Qty	Type	Qty	Type		100%	115%	100%	115%	100%	115%	100%	115%
A3	18	1-7/16	1-7/16	2-3/4	4	10d x 1-1/2	4	10d x 1-1/2	F1	970	1115	4.31	4.96	690	792	3.07	3.52
									F2	985	1130	4.38	5.03	700	802	3.11	3.57
MP3	18	2-1/4	2-1/4	3-3/8	3	10d	3	10d	F1	715	715	3.18	3.18	610	610	2.71	2.71
MP5	18	2-1/4	2-1/4	4-5/8	4	10d	4	10d	F1	1010	1010	4.49	4.49	865	865	3.85	3.85
MP7	18	2-1/4	2-1/4	5-7/8	5	10d	5	10d	F1	1315	1315	5.85	5.85	1125	1125	5.00	5.00
MP9	18	2-1/4	2-1/4	6-7/8	6	10d	6	10d	F1	1410	1410	6.27	6.27	1210	1210	5.38	5.38
AC5	16	1-5/16	2-3/8	4-7/8	3	10d	3	10d	F1	995	1145	4.43	5.09	705	815	3.14	3.63
									F2	930	1070	4.14	4.76	660	760	2.94	3.38
AC7	16	1-5/16	2-3/8	6-15/16	4	10d	4	10d	F1	1120	1285	4.98	5.72	795	910	3.54	4.05
									F2	1335	1535	5.94	6.83	950	1090	4.23	4.85
AC9	16	1-5/16	2-3/8	8-7/8	5	10d	5	10d	F1	1860	2135	8.27	9.50	1320	1515	5.87	6.74
									F2	1335	1535	5.94	6.83	950	1090	4.23	4.85
JA1	16	1-1/2	1-1/2	1-1/4	2	10d x 1-1/2	2	10d x 1-1/2	F1	421	484	1.87	2.15	299	344	1.33	1.53
									F2	562	647	2.50	2.88	399	459	1.78	2.04
JA3	14	2-1/2	2-1/2	3	4	16d	4	10d x 1-1/2	F1	963	1108	4.28	4.93	684	786	3.04	3.50
									F2	874	1005	3.89	4.47	620	713	2.76	3.17
JA5	14	2-1/2	2-1/2	5	6	16d	6	10d x 1-1/2	F1	1556	1790	6.92	7.96	1105	1271	4.91	5.65
									F2	1665	1915	7.41	8.52	1182	1360	5.26	6.05
JA7	14	2-1/2	2-1/2	7	8	16d	8	10d x 1-1/2	F1	3058	3517	13.60	15.64	2171	2497	9.66	11.11
									F2	2664	3064	11.85	13.63	1892	2176	8.42	9.68
JA9	14	2-1/2	2-1/2	9	10	16d	10	10d x 1-1/2	F1	3767	4333	16.76	19.27	2675	3076	11.90	13.68
									F2	2697	3102	12.00	13.80	1915	2202	8.52	9.80

1) Factored resistances are shown per angle, and may be doubled if installed in pairs. When using a single angle, joist must be constrained from rotation.

2) For 1-1/2" lumber where 10d nails are specified, use 10d x 1-1/2" nails and apply 0.90 adjustment factor to the table value.

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.

Use in conjunction with MiTek's current Canadian Product Catalogue for detailed hanger information.

PEO
Certificate No. 10889485



Jan. 25, 2018

Valid through Dec. 31, 2019



MiTek supplies quality products
to build Stronger Safer Structures

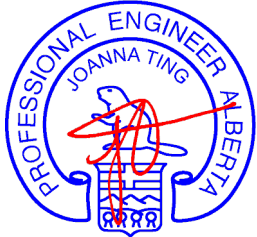
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January 2018 USP2320



A / AC / JA / MP Framing Angles

APEGA
Permit No. P3837



Jan. 25, 2018

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JA – 14 or 16 gauge. Heavier capacity framing angle for joist support.

Materials: See chart

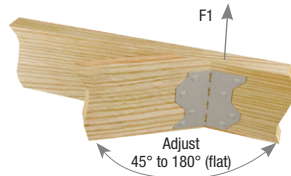
Finish: G90 galvanizing

Options: See current catalogue for options

Codes: Load values are derived from data submitted to various North American building code evaluators.

Installation:

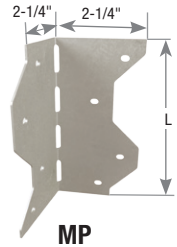
- Use all specified fasteners.
- MP Framing Angles are fabricated at 100° and may be field adjusted by hand from 45° to 180° (flat). Bend angle only once.



Typical MP installation



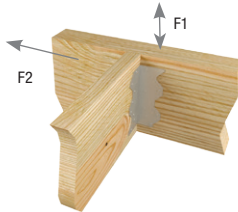
Typical MP rafter support installation



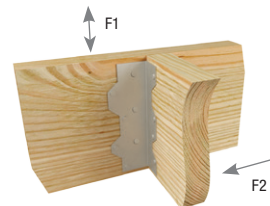
MP



Typical JA1 installation



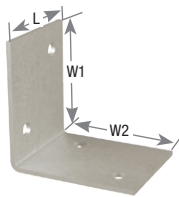
Typical JA7 installation



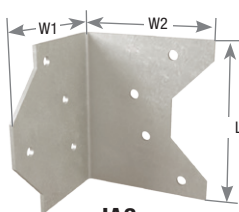
Typical AC installation



Typical A3 installation



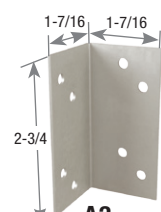
JA1



JA3



AC



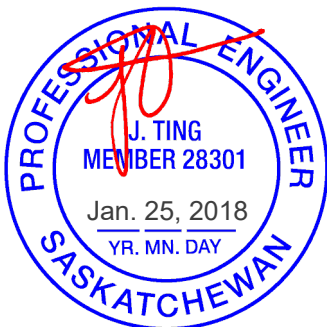
A3

APEGM
Certificate No. 96



Jan. 25, 2018

APEGS
Certificate No. C0940



Jan. 25, 2018

MiTek Stock No.	Steel Gauge	Dimensions (in)			Fastener Schedule ^{2,3}				Direction of Load	DF Factored Resistance ¹				S-P-F Factored Resistance ¹			
		W1	W2	L	Header		Joist			Lbs		kN		Lbs		kN	
					Qty	Type	Qty	Type		100%	115%	100%	115%	100%	115%	100%	115%
A3	18	1-7/16	1-7/16	2-3/4	4	10d x 1-1/2	4	10d x 1-1/2	F1	970	1115	4.31	4.96	690	792	3.07	3.52
									F2	985	1130	4.38	5.03	700	802	3.11	3.57
MP3	18	2-1/4	2-1/4	3-3/8	3	10d	3	10d	F1	715	715	3.18	3.18	610	610	2.71	2.71
MP5	18	2-1/4	2-1/4	4-5/8	4	10d	4	10d	F1	1010	1010	4.49	4.49	865	865	3.85	3.85
MP7	18	2-1/4	2-1/4	5-7/8	5	10d	5	10d	F1	1315	1315	5.85	5.85	1125	1125	5.00	5.00
MP9	18	2-1/4	2-1/4	6-7/8	6	10d	6	10d	F1	1410	1410	6.27	6.27	1210	1210	5.38	5.38
AC5	16	1-5/16	2-3/8	4-7/8	3	10d	3	10d	F1	995	1145	4.43	5.09	705	815	3.14	3.63
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JA5	14	2-1/2	2-1/2	5	6	16d	6	10d x 1-1/2	F1	1556	1790	6.92	7.96	1105	1271	4.91	5.65
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JA7	14	2-1/2	2-1/2	7	8	16d	8	10d x 1-1/2	F1	3058	3517	13.60	15.64	2171	2497	9.66	11.11
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JA9	14	2-1/2	2-1/2	9	10	16d	10	10d x 1-1/2	F1	3767	4333	16.76	19.27	2675	3076	11.90	13.68
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1) Factored resistances are shown per angle, and may be doubled if installed in pairs. When using a single angle, joist must be constrained from rotation.

2) For 1-1/2" lumber where 10d nails are specified, use 10d x 1-1/2" nails and apply 0.90 adjustment factor to the table value.

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.

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Valid through Dec. 31, 2019



MiTek supplies quality products
to build Stronger Safer Structures

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January 2018 USP2320

APENS
Permit No. 15800 0

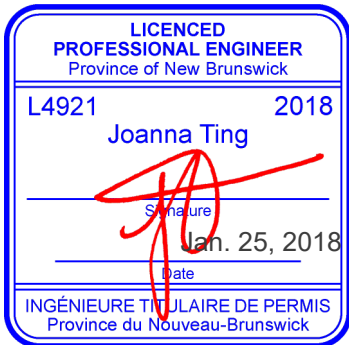


Jan. 25, 2018

PEG
Permit No. D0027



APEGNB
Certificate No. F0649



APEPEI
Permit No. A195



A / AC / JA / MP Framing Angles



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Materials: See chart

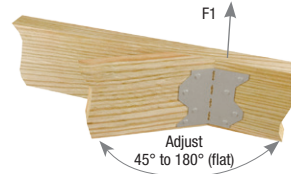
Finish: G90 galvanizing

Options: See current catalogue for options

Codes: Load values are derived from data submitted to various North American building code evaluators.

Installation:

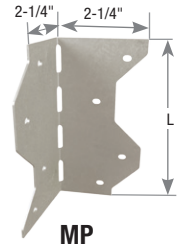
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Typical MP installation



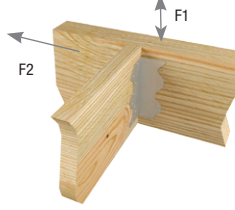
Typical MP rafter support installation



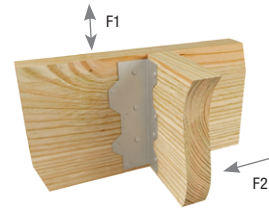
MP



Typical JA1 installation



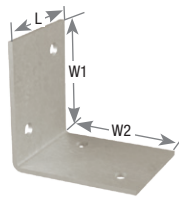
Typical JA7 installation



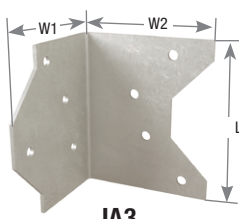
Typical AC installation



Typical A3 installation



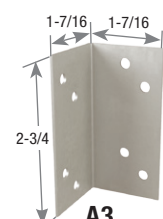
JA1



JA3



AC



A3

MiTek Stock No.	Steel Gauge	Dimensions (in)			Fastener Schedule ^{2,3}				Direction of Load	DF Factored Resistance ¹				S-P-F Factored Resistance ¹			
		W1	W2	L	Header		Joist			Lbs		kN		Lbs		kN	
					Qty	Type	Qty	Type		100%	115%	100%	115%	100%	115%	100%	115%
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MP7	18	2-1/4	2-1/4	5-7/8	5	10d	5	10d	F1	1315	1315	5.85	5.85	1125	1125	5.00	5.00
MP9	18	2-1/4	2-1/4	6-7/8	6	10d	6	10d	F1	1410	1410	6.27	6.27	1210	1210	5.38	5.38
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AC9	16	1-5/16	2-3/8	8-7/8	5	10d	5	10d	F1	1860	2135	8.27	9.50	1320	1515	5.87	6.74
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