

MPH Masonry Hangers



These hangers are designed to support standard lumber joists, I-Joists, or beams. Easy installation into concrete block walls makes the MPH an attractive alternative to fabricating seats in masonry (or attaching ledgers) to support joists or beams.

Materials: 12 gauge

Finish: MiTek primer

Options: See current catalogue for options

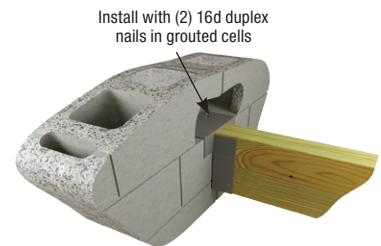
Codes: Load values are derived from data submitted to various North American building code evaluators.

Installation:

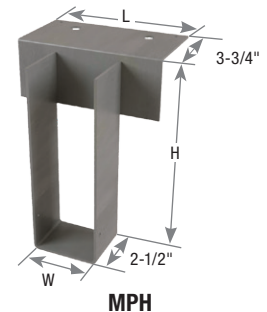
- Use all specified fasteners.
- 16d duplex nails are not supplied with MPH hangers.
- Place hanger into position on top of concrete block. Install (2) 16d duplex nails (0.162" dia. x 3-1/2" double head) through the top flange nail holes. Then continue laying the next course of block.
- A minimum of one course shall be laid over hanger top flange and one course below hanger top flange. Courses adjacent to the top flange shall be subsequently grouted.
- **These products do not provide uplift resistance.**



Typical MPH single ply installation



Typical MPH double ply installation



MPH

Beam/ Joist Size	MiTek Stock No.	Steel Gauge	Dimensions (in)			Fastener Schedule ²				DF		S-P-F	
			W	H	L	Block		Joist		Factored Resistance ¹		Factored Resistance ¹	
						Qty	Type	Qty	Type	Vertical 100%		Vertical 100%	
Lbs	kN	Lbs	kN										
1-1/2 x 9-1/4	MPH210	12	1-9/16	9-1/4	7	2	16d duplex	2	10d x 1-1/2	4705	20.93	3695	16.44
1-1/2 x 9-1/2	MPH1595	12	1-9/16	9-1/2	7	2	16d duplex	2	10d x 1-1/2	4705	20.93	3695	16.44
1-1/2 x 11-1/4	MPH212	12	1-9/16	11-1/4	7	2	16d duplex	2	10d x 1-1/2	4705	20.93	3695	16.44
1-1/2 x 11-7/8	MPH15118	12	1-9/16	11-7/8	7	2	16d duplex	2	10d x 1-1/2	4705	20.93	3695	16.44
1-1/2 x 14	MPH1514	12	1-9/16	14	7	2	16d duplex	2	10d x 1-1/2	4705	20.93	3695	16.44
1-3/4 x 9-1/2	MPH1795	12	1-13/16	9-1/2	7	2	16d duplex	2	10d x 1-1/2	4705	20.93	3695	16.44
1-3/4 x 11-7/8	MPH17118	12	1-13/16	11-7/8	7	2	16d duplex	2	10d x 1-1/2	4705	20.93	3695	16.44
1-3/4 x 14	MPH1714	12	1-13/16	14	7	2	16d duplex	2	10d x 1-1/2	4705	20.93	3695	16.44
1-3/4 x 16	MPH1716	12	1-13/16	16	7	2	16d duplex	2	10d x 1-1/2	4705	20.93	3695	16.44
2-5/16 x 9-1/2	MPH2395	12	2-3/8	9-1/2	7	2	16d duplex	2	10d x 1-1/2	6215	27.65	4880	21.71
2-5/16 x 11-7/8	MPH23118	12	2-3/8	11-7/8	7	2	16d duplex	2	10d x 1-1/2	6215	27.65	4880	21.71
2-5/16 x 14	MPH2314	12	2-3/8	14	7	2	16d duplex	2	10d x 1-1/2	6215	27.65	4880	21.71
2-5/16 x 16	MPH2316	12	2-3/8	16	7	2	16d duplex	2	10d x 1-1/2	6215	27.65	4880	21.71
2-5/16 x 18	MPH2318	12	2-3/8	18	7	2	16d duplex	2	10d x 1-1/2	6215	27.65	4880	21.71
2-5/16 x 20	MPH2320	12	2-3/8	20	7	2	16d duplex	2	10d x 1-1/2	6215	27.65	4880	21.71

1) Masonry compressive strength shall be minimum 2,000 psi.

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, 16d duplex nails are 0.162" dia. x 3-1/2" long, double headed nails and shall be installed in grouted cells in accordance to manufacturer's installation specifications.

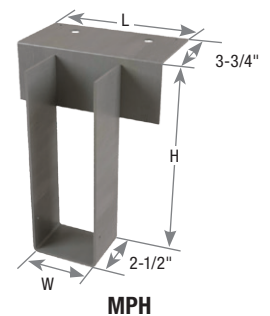
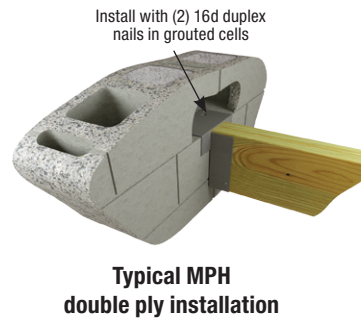
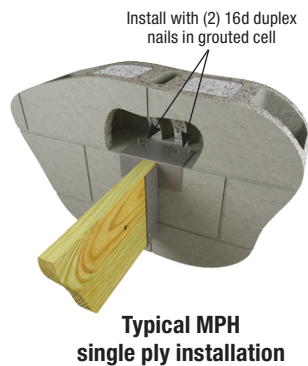
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Beam/ Joist Size	MiTek Stock No.	Steel Gauge	Dimensions (in)			Fastener Schedule ²				DF		S-P-F	
			W	H	L	Block		Joist		Factored Resistance ¹		Factored Resistance ¹	
						Qty	Type	Qty	Type	Vertical 100%		Vertical 100%	
			Lbs	kN	Lbs	kN							
2-1/2 x 9-1/4	MPH25925	12	2-1/2	9-1/4	7	2	16d duplex	2	10d x 1-1/2	6215	27.65	4880	21.71
2-1/2 x 9-1/2	MPH2595	12	2-1/2	9-1/2	7	2	16d duplex	2	10d x 1-1/2	6215	27.65	4880	21.71
2-1/2 x 11-1/4	MPH25112	12	2-1/2	11-1/4	7	2	16d duplex	2	10d x 1-1/2	6215	27.65	4880	21.71
2-1/2 x 11-7/8	MPH25118	12	2-1/2	11-7/8	7	2	16d duplex	2	10d x 1-1/2	6215	27.65	4880	21.71
2-1/2 x 14	MPH2514	12	2-1/2	14	7	2	16d duplex	2	10d x 1-1/2	6215	27.65	4880	21.71
2-1/2 x 16	MPH2516	12	2-1/2	16	7	2	16d duplex	2	10d x 1-1/2	6215	27.65	4880	21.71
2-1/2 x 18	MPH2518	12	2-1/2	18	7	2	16d duplex	2	10d x 1-1/2	6215	27.65	4880	21.71
2-1/2 x 20	MPH2520	12	2-1/2	20	7	2	16d duplex	2	10d x 1-1/2	6215	27.65	4880	21.71
2-1/2 x 22	MPH2522	12	2-1/2	22	7	2	16d duplex	2	10d x 1-1/2	6215	27.65	4880	21.71
2-1/2 x 24	MPH2524	12	2-1/2	24	7	2	16d duplex	2	10d x 1-1/2	6215	27.65	4880	21.71
2-1/2 x 26	MPH2526	12	2-1/2	26	7	2	16d duplex	2	10d x 1-1/2	6215	27.65	4880	21.71
3 x 9-1/4	MPH210-2	12	3-1/8	9-1/4	7	2	16d duplex	2	10d	6215	27.65	4880	21.71
3 x 9-1/2	MPH1595-2	12	3-1/8	9-1/2	7	2	16d duplex	2	10d	6215	27.65	4880	21.71
3 x 11-1/4	MPH15112-2	12	3-1/8	11-1/4	7	2	16d duplex	2	10d	6215	27.65	4880	21.71
3 x 11-7/8	MPH15118-2	12	3-1/8	11-7/8	7	2	16d duplex	2	10d	6215	27.65	4880	21.71
3-1/2 x 9-1/4	MPH410	12	3-9/16	9-1/4	7	2	16d duplex	2	10d	6215	27.65	4880	21.71
3-1/2 x 9-1/2	MPH1795-2	12	3-5/8	9-1/2	7	2	16d duplex	2	10d	6215	27.65	4880	21.71
3-1/2 x 11-1/4	MPH412	12	3-9/16	11-1/4	7	2	16d duplex	2	10d	6215	27.65	4880	21.71
3-1/2 x 11-7/8	MPH17118-2	12	3-5/8	11-7/8	7	2	16d duplex	2	10d	6215	27.65	4880	21.71
3-1/2 x 12	MPH3512	12	3-1/2	12	7	2	16d duplex	2	10d	6215	27.65	4880	21.71
3-1/2 x 14	MPH3514	12	3-1/2	14	7	2	16d duplex	2	10d	6215	27.65	4880	21.71
3-1/2 x 16	MPH3516	12	3-1/2	16	7	2	16d duplex	2	10d	6215	27.65	4880	21.71
3-1/2 x 18	MPH3518	12	3-1/2	18	7	2	16d duplex	2	10d	6215	27.65	4880	21.71
3-1/2 x 20	MPH3520	12	3-1/2	20	7	2	16d duplex	2	10d	6215	27.65	4880	21.71
4-5/8 x 11-7/8	MPH23118-2	12	4-5/8	11-7/8	7	2	16d duplex	2	10d	6215	27.65	4880	21.71
4-5/8 x 14	MPH2314-2	12	4-5/8	14	7	2	16d duplex	2	10d	6215	27.65	4880	21.71
4-5/8 x 16	MPH2316-2	12	4-5/8	16	7	2	16d duplex	2	10d	6215	27.65	4880	21.71
4-5/8 x 18	MPH2318-2	12	4-5/8	18	7	2	16d duplex	2	10d	6215	27.65	4880	21.71
4-5/8 x 20	MPH2320-2	12	4-5/8	20	7	2	16d duplex	2	10d	6215	27.65	4880	21.71
5-1/4 x 9-1/2	MPH5595	12	5-5/8	9-1/2	7	2	16d duplex	2	10d	6215	27.65	4880	21.71
5-1/4 x 11-7/8	MPH55118	12	5-5/8	11-7/8	7	2	16d duplex	2	10d	6215	27.65	4880	21.71
7 x 9-1/2	MPH3595-2	12	7-1/8	9-1/2	8	2	16d duplex	2	10d	6215	27.65	4880	21.71
7 x 11-1/4	MPH35112-2	12	7-1/8	11-1/4	8	2	16d duplex	2	10d	6215	27.65	4880	21.71
7 x 11-7/8	MPH35118-2	12	7-1/8	11-7/8	8	2	16d duplex	2	10d	6215	27.65	4880	21.71
7 x 14	MPH3514-2	12	7-1/8	14	8	2	16d duplex	2	10d	6215	27.65	4880	21.71
7 x 16	MPH3516-2	12	7-1/8	16	8	2	16d duplex	2	10d	6215	27.65	4880	21.71
7 x 18	MPH3518-2	12	7-1/8	18	8	2	16d duplex	2	10d	6215	27.65	4880	21.71

- 1) Masonry compressive strength shall be minimum 2,000 psi.
 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, 16d duplex nails are 0.162" dia. x 3-1/2" long, double headed nails and shall be installed in grouted cells in accordance to manufacturer's installation specifications.

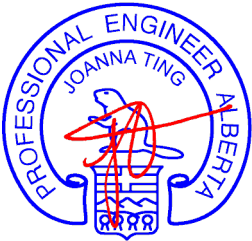


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MPH Masonry Hangers

APEGA
Permit No. P3837



Sept 6, 2017



Sept 6, 2017

APEGM
Certificate No. 96



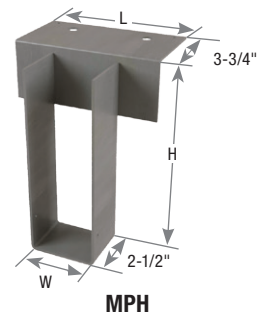
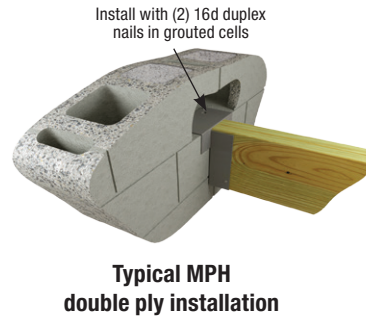
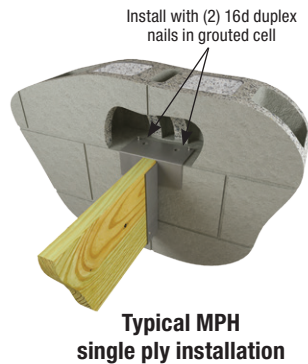
Sept 6, 2017

APEGS
Certificate No. C0940



Beam/ Joist Size	MiTek Stock No.	Steel Gauge	Dimensions (in)			Fastener Schedule ²				DF		S-P-F	
			W	H	L	Block		Joist		Factored Resistance ¹		Factored Resistance ¹	
						Qty	Type	Qty	Type	Vertical 100%		Vertical 100%	
Lbs	kN	Lbs	kN										
2-1/2 x 9-1/4	MPH25925	12	2-1/2	9-1/4	7	2	16d duplex	2	10d x 1-1/2	6215	27.65	4880	21.71
2-1/2 x 9-1/2	MPH2595	12	2-1/2	9-1/2	7	2	16d duplex	2	10d x 1-1/2	6215	27.65	4880	21.71
2-1/2 x 11-1/4	MPH25112	12	2-1/2	11-1/4	7	2	16d duplex	2	10d x 1-1/2	6215	27.65	4880	21.71
2-1/2 x 11-7/8	MPH25118	12	2-1/2	11-7/8	7	2	16d duplex	2	10d x 1-1/2	6215	27.65	4880	21.71
2-1/2 x 14	MPH2514	12	2-1/2	14	7	2	16d duplex	2	10d x 1-1/2	6215	27.65	4880	21.71
2-1/2 x 16	MPH2516	12	2-1/2	16	7	2	16d duplex	2	10d x 1-1/2	6215	27.65	4880	21.71
2-1/2 x 18	MPH2518	12	2-1/2	18	7	2	16d duplex	2	10d x 1-1/2	6215	27.65	4880	21.71
2-1/2 x 20	MPH2520	12	2-1/2	20	7	2	16d duplex	2	10d x 1-1/2	6215	27.65	4880	21.71
2-1/2 x 22	MPH2522	12	2-1/2	22	7	2	16d duplex	2	10d x 1-1/2	6215	27.65	4880	21.71
2-1/2 x 24	MPH2524	12	2-1/2	24	7	2	16d duplex	2	10d x 1-1/2	6215	27.65	4880	21.71
2-1/2 x 26	MPH2526	12	2-1/2	26	7	2	16d duplex	2	10d x 1-1/2	6215	27.65	4880	21.71
3 x 9-1/4	MPH210-2	12	3-1/8	9-1/4	7	2	16d duplex	2	10d	6215	27.65	4880	21.71
3 x 9-1/2	MPH1595-2	12	3-1/8	9-1/2	7	2	16d duplex	2	10d	6215	27.65	4880	21.71
3 x 11-1/4	MPH15112-2	12	3-1/8	11-1/4	7	2	16d duplex	2	10d	6215	27.65	4880	21.71
3 x 11-7/8	MPH15118-2	12	3-1/8	11-7/8	7	2	16d duplex	2	10d	6215	27.65	4880	21.71
3-1/2 x 9-1/4	MPH410	12	3-9/16	9-1/4	7	2	16d duplex	2	10d	6215	27.65	4880	21.71
3-1/2 x 9-1/2	MPH1795-2	12	3-5/8	9-1/2	7	2	16d duplex	2	10d	6215	27.65	4880	21.71
3-1/2 x 11-1/4	MPH412	12	3-9/16	11-1/4	7	2	16d duplex	2	10d	6215	27.65	4880	21.71
3-1/2 x 11-7/8	MPH17118-2	12	3-5/8	11-7/8	7	2	16d duplex	2	10d	6215	27.65	4880	21.71
3-1/2 x 12	MPH3512	12	3-1/2	12	7	2	16d duplex	2	10d	6215	27.65	4880	21.71
3-1/2 x 14	MPH3514	12	3-1/2	14	7	2	16d duplex	2	10d	6215	27.65	4880	21.71
3-1/2 x 16	MPH3516	12	3-1/2	16	7	2	16d duplex	2	10d	6215	27.65	4880	21.71
3-1/2 x 18	MPH3518	12	3-1/2	18	7	2	16d duplex	2	10d	6215	27.65	4880	21.71
3-1/2 x 20	MPH3520	12	3-1/2	20	7	2	16d duplex	2	10d	6215	27.65	4880	21.71
4-5/8 x 11-7/8	MPH23118-2	12	4-5/8	11-7/8	7	2	16d duplex	2	10d	6215	27.65	4880	21.71
4-5/8 x 14	MPH2314-2	12	4-5/8	14	7	2	16d duplex	2	10d	6215	27.65	4880	21.71
4-5/8 x 16	MPH2316-2	12	4-5/8	16	7	2	16d duplex	2	10d	6215	27.65	4880	21.71
4-5/8 x 18	MPH2318-2	12	4-5/8	18	7	2	16d duplex	2	10d	6215	27.65	4880	21.71
4-5/8 x 20	MPH2320-2	12	4-5/8	20	7	2	16d duplex	2	10d	6215	27.65	4880	21.71
5-1/4 x 9-1/2	MPH5595	12	5-5/8	9-1/2	7	2	16d duplex	2	10d	6215	27.65	4880	21.71
5-1/4 x 11-7/8	MPH55118	12	5-5/8	11-7/8	7	2	16d duplex	2	10d	6215	27.65	4880	21.71
7 x 9-1/2	MPH3595-2	12	7-1/8	9-1/2	8	2	16d duplex	2	10d	6215	27.65	4880	21.71
7 x 11-1/4	MPH35112-2	12	7-1/8	11-1/4	8	2	16d duplex	2	10d	6215	27.65	4880	21.71
7 x 11-7/8	MPH35118-2	12	7-1/8	11-7/8	8	2	16d duplex	2	10d	6215	27.65	4880	21.71
7 x 14	MPH3514-2	12	7-1/8	14	8	2	16d duplex	2	10d	6215	27.65	4880	21.71
7 x 16	MPH3516-2	12	7-1/8	16	8	2	16d duplex	2	10d	6215	27.65	4880	21.71
7 x 18	MPH3518-2	12	7-1/8	18	8	2	16d duplex	2	10d	6215	27.65	4880	21.71

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Valid through Dec. 31, 2018

MiTek

MiTek supplies quality products
to build Stronger Safer Structures
MiTek.ca

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APENS
Permit No. 15800 0

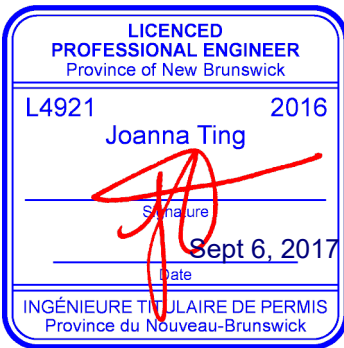


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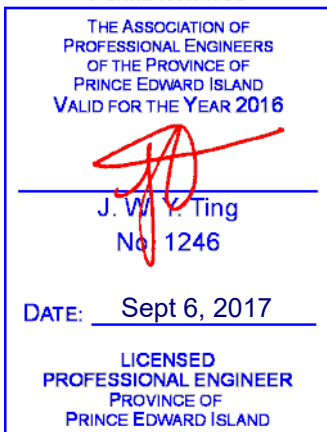
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APEGNB
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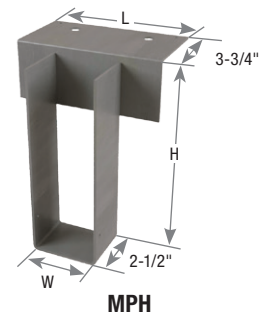
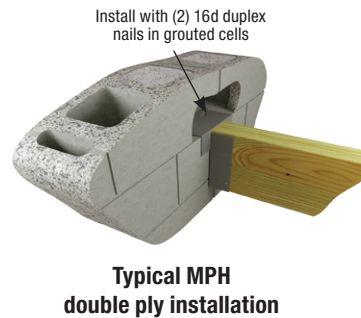
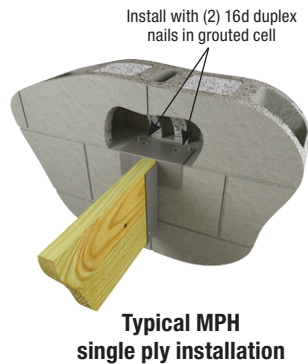
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Lbs	kN	Lbs	kN										
2-1/2 x 9-1/4	MPH25925	12	2-1/2	9-1/4	7	2	16d duplex	2	10d x 1-1/2	6215	27.65	4880	21.71
2-1/2 x 9-1/2	MPH2595	12	2-1/2	9-1/2	7	2	16d duplex	2	10d x 1-1/2	6215	27.65	4880	21.71
2-1/2 x 11-1/4	MPH25112	12	2-1/2	11-1/4	7	2	16d duplex	2	10d x 1-1/2	6215	27.65	4880	21.71
2-1/2 x 11-7/8	MPH25118	12	2-1/2	11-7/8	7	2	16d duplex	2	10d x 1-1/2	6215	27.65	4880	21.71
2-1/2 x 14	MPH2514	12	2-1/2	14	7	2	16d duplex	2	10d x 1-1/2	6215	27.65	4880	21.71
2-1/2 x 16	MPH2516	12	2-1/2	16	7	2	16d duplex	2	10d x 1-1/2	6215	27.65	4880	21.71
2-1/2 x 18	MPH2518	12	2-1/2	18	7	2	16d duplex	2	10d x 1-1/2	6215	27.65	4880	21.71
2-1/2 x 20	MPH2520	12	2-1/2	20	7	2	16d duplex	2	10d x 1-1/2	6215	27.65	4880	21.71
2-1/2 x 22	MPH2522	12	2-1/2	22	7	2	16d duplex	2	10d x 1-1/2	6215	27.65	4880	21.71
2-1/2 x 24	MPH2524	12	2-1/2	24	7	2	16d duplex	2	10d x 1-1/2	6215	27.65	4880	21.71
2-1/2 x 26	MPH2526	12	2-1/2	26	7	2	16d duplex	2	10d x 1-1/2	6215	27.65	4880	21.71
3 x 9-1/4	MPH210-2	12	3-1/8	9-1/4	7	2	16d duplex	2	10d	6215	27.65	4880	21.71
3 x 9-1/2	MPH1595-2	12	3-1/8	9-1/2	7	2	16d duplex	2	10d	6215	27.65	4880	21.71
3 x 11-1/4	MPH15112-2	12	3-1/8	11-1/4	7	2	16d duplex	2	10d	6215	27.65	4880	21.71
3 x 11-7/8	MPH15118-2	12	3-1/8	11-7/8	7	2	16d duplex	2	10d	6215	27.65	4880	21.71
3-1/2 x 9-1/4	MPH410	12	3-9/16	9-1/4	7	2	16d duplex	2	10d	6215	27.65	4880	21.71
3-1/2 x 9-1/2	MPH1795-2	12	3-5/8	9-1/2	7	2	16d duplex	2	10d	6215	27.65	4880	21.71
3-1/2 x 11-1/4	MPH412	12	3-9/16	11-1/4	7	2	16d duplex	2	10d	6215	27.65	4880	21.71
3-1/2 x 11-7/8	MPH17118-2	12	3-5/8	11-7/8	7	2	16d duplex	2	10d	6215	27.65	4880	21.71
3-1/2 x 12	MPH3512	12	3-1/2	12	7	2	16d duplex	2	10d	6215	27.65	4880	21.71
3-1/2 x 14	MPH3514	12	3-1/2	14	7	2	16d duplex	2	10d	6215	27.65	4880	21.71
3-1/2 x 16	MPH3516	12	3-1/2	16	7	2	16d duplex	2	10d	6215	27.65	4880	21.71
3-1/2 x 18	MPH3518	12	3-1/2	18	7	2	16d duplex	2	10d	6215	27.65	4880	21.71
3-1/2 x 20	MPH3520	12	3-1/2	20	7	2	16d duplex	2	10d	6215	27.65	4880	21.71
4-5/8 x 11-7/8	MPH23118-2	12	4-5/8	11-7/8	7	2	16d duplex	2	10d	6215	27.65	4880	21.71
4-5/8 x 14	MPH2314-2	12	4-5/8	14	7	2	16d duplex	2	10d	6215	27.65	4880	21.71
4-5/8 x 16	MPH2316-2	12	4-5/8	16	7	2	16d duplex	2	10d	6215	27.65	4880	21.71
4-5/8 x 18	MPH2318-2	12	4-5/8	18	7	2	16d duplex	2	10d	6215	27.65	4880	21.71
4-5/8 x 20	MPH2320-2	12	4-5/8	20	7	2	16d duplex	2	10d	6215	27.65	4880	21.71
5-1/4 x 9-1/2	MPH5595	12	5-5/8	9-1/2	7	2	16d duplex	2	10d	6215	27.65	4880	21.71
5-1/4 x 11-7/8	MPH55118	12	5-5/8	11-7/8	7	2	16d duplex	2	10d	6215	27.65	4880	21.71
7 x 9-1/2	MPH3595-2	12	7-1/8	9-1/2	8	2	16d duplex	2	10d	6215	27.65	4880	21.71
7 x 11-1/4	MPH35112-2	12	7-1/8	11-1/4	8	2	16d duplex	2	10d	6215	27.65	4880	21.71
7 x 11-7/8	MPH35118-2	12	7-1/8	11-7/8	8	2	16d duplex	2	10d	6215	27.65	4880	21.71
7 x 14	MPH3514-2	12	7-1/8	14	8	2	16d duplex	2	10d	6215	27.65	4880	21.71
7 x 16	MPH3516-2	12	7-1/8	16	8	2	16d duplex	2	10d	6215	27.65	4880	21.71
7 x 18	MPH3518-2	12	7-1/8	18	8	2	16d duplex	2	10d	6215	27.65	4880	21.71

1) Masonry compressive strength shall be minimum 2,000 psi.

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, 16d duplex nails are 0.162" dia. x 3-1/2" long, double headed nails and shall be installed in grouted cells in accordance to manufacturer's installation specifications.



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

Valid through Dec. 31, 2018

MiTek

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