UMH Universal Masonry Hangers



A versatile solution for hanging beams from masonry walls. Face mount design allows hanger to be used with beam heights from 16" to 24". Available in a variety of widths for solid sawn, glulam, or engineered lumber beams.

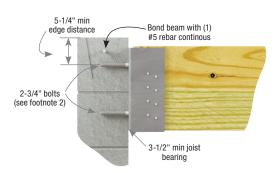
Materials: 1/4" steel

Finish: MiTek primer

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

Installation:

- Use all specified fasteners.
- Fully grouted and reinforced concrete block or cast-inplace concrete with a minimum of (1) #5 rebar continuous to footing with standard hook at bolt locations.
- Minimum joist bearing length is 3-1/2".



Typical UMH installation



UMH

			Fastener Schedule					DF	Factored	d Resistanc	e	S-P-F Factored Resistance			
			Hea	der ^{2,3}	Jo	oist ⁴		Maso		Cast-in-Place Concrete 3,000 psi		Masonry 2,500 psi		Cast-in-Place Concrete 3,000 psi	
MiTek Stock No.	Steel Gauge	W (in)	Qty	Bolt Dia. (in)	Qty	Туре	Unit	2,500 Vertical 100%	Uplift ¹ 115%	Vertical	Uplift ¹ 115%	Vertical 100%	psi Uplift ¹ 115%	Vertical	Uplift ¹ 115%
	3	3-5/8	2	3/4	16	16d	Lbs	6610	4390	9455	7770	6610	4390	7445	6785
UIVINSSO	3		2	3/4	10	Tou	kN	29.40	19.53	42.06	34.56	29.40	19.53	33.12	30.18
UMH458	3	4-5/8	2	3/4	16	16d	Lbs	6610	4390	9455	7770	6610	4390	7445	6785
010111430				3/4			kN	29.40	19.53	42.06	34.56	29.40	19.53	33.12	30.18
UMH538	3	5-3/8	2	3/4	16	16d	Lbs	6610	4390	9455	7770	6610	4390	7445	6785
010111330				5/4	10		kN	29.40	19.53	42.06	34.56	29.40	19.53	33.12	30.18
UMH558	3	5-5/8	2	3/4	16	16d	Lbs	6610	4390	9455	7770	6610	4390	7445	6785
010111330				3/4	10		kN	29.40	19.53	42.06	34.56	29.40	19.53	33.12	30.18
UMH718	3	7-1/8	2	3/4	16	16d	Lbs	6610	4390	9455	7770	6610	4390	7445	6785
			2				kN	29.40	19.53	42.06	34.56	29.40	19.53	33.12	30.18



PROFESSIONAL

1) Factored resistances have been increased 15% for short-term loads such as wind and earthquake; no further increase allowed.

2) Fasten UMH hanger to concrete structure with two 3/4" dia. Powers Fasteners Wedge-Bolts® or equal with 5" minimum embedment.

Bolts shall be installed in masonry with grouted cells in accordance with manufacturer's installation specifications.

3) Bolts must conform to ASTM A 307 or better.

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



Sept. 20, 2017

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



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

Valid through Dec. 31, 2018



Sept. 20, 2017



APEGM Certificate No. 96 UN. Y. UN. Y. TNG Member 35922

Sept. 20, 2017





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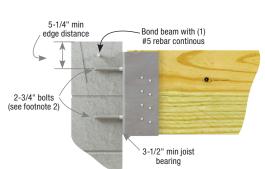
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Typical UMH installation



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			Fa	stener	Sche	dule		DF	Factored	l Resistanc	e	S-P-F Factored Resistance			
			Hea	der ^{2,3}	Jo	oist ⁴		Maso		Cast-in-Place		Masonry		Cast-in-Place	
				Bolt				2,500 psi		Concrete 3,000 psi		2,500 psi		Concrete 3,000 psi	
MiTek	Steel	w		Dia.				Vertical	Uplift ¹	Vertical	Uplift ¹	Vertical	Uplift ¹	Vertical	Uplift ¹
Stock No.	Gauge	(in)	Qty	(in)	Qty	Туре	Unit	100%	115%	100%	115%	100%	115%	100%	115%
UMH358	3	3-5/8	2	3/4	16	16d	Lbs	6610	4390	9455	7770	6610	4390	7445	6785
			2	3/4	10		kN	29.40	19.53	42.06	34.56	29.40	19.53	33.12	30.18
UMH458	3	4-5/8	2	3/4	16	16d	Lbs	6610	4390	9455	7770	6610	4390	7445	6785
				5/4			kN	29.40	19.53	42.06	34.56	29.40	19.53	33.12	30.18
UMH538	3	5-3/8	2	3/4	16	16d	Lbs	6610	4390	9455	7770	6610	4390	7445	6785
				3/4	10	100	kN	29.40	19.53	42.06	34.56	29.40	19.53	33.12	30.18
UMH558	3	5-5/8	2	3/4	16	16d	Lbs	6610	4390	9455	7770	6610	4390	7445	6785
		J-J/0		3/4			kN	29.40	19.53	42.06	34.56	29.40	19.53	33.12	30.18
UMH718	3	7-1/8	2	3/4	16	16d	Lbs	6610	4390	9455	7770	6610	4390	7445	6785
		1-1/0		3/4			kN	29.40	19.53	42.06	34.56	29.40	19.53	33.12	30.18

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APENS Permit No. 15800 0

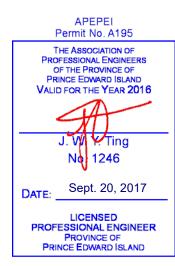


Sept. 20, 2017



APEGNB Certificate No. F0649





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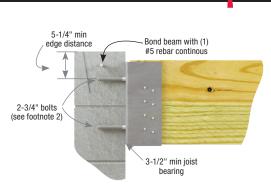
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				Bolt				2,500 psi		Concrete 3,000 psi		2,500 psi		Concrete 3,000 psi	
MiTek Stock No.	Steel Gauge	W (in)	Qty	Dia. (in)	Qty	Туре	Unit	Vertical 100%	Uplift ¹ 115%	Vertical 100%	Uplift ¹ 115%	Vertical 100%	Uplift ¹ 115%	Vertical 100%	Uplift ¹ 115%
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		0-0/0		3/4			kN	29.40	19.53	42.06	34.56	29.40	19.53	33.12	30.18
UMH718	3	7-1/8	1/8 2	3/4	16 16	164	Lbs	6610	4390	9455	7770	6610	4390	7445	6785
		1-1/0	2	3/4		TOU	kN	29.40	19.53	42.06	34.56	29.40	19.53	33.12	30.18

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