

O – The O series spans three joists in under/over installation. Prong teeth in the center help reduce nailing.

N – The N series spans two joists per unit. Can be used for bridging or bracing I-Joists. See chart.

Materials: See chart

Finish: G90 galvanizing

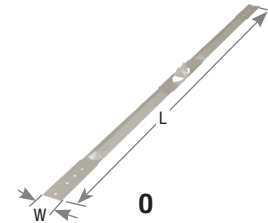
Codes: IBC, FL, LA

Installation:

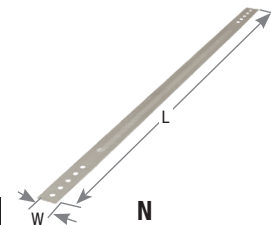
- Use specified fasteners in models with fastener requirements.
- For all models – Bridging should be installed on floor joists with a nominal depth-to-thickness ratio of 5 to 6 or more (2018 National Design Specification for Wood Construction; Section 4.4.1). Bridging units should be installed in pairs at intervals of 8' or less. Bridging pairs should form an "X" between joists; leave a slight space between the units to avoid noise-generating contact. Follow specific installation instructions below for particular models.
- Install prior to subfloor sheathing. Use (2) 8d (0.131") x 1-1/2" nails at each end. Fully seat nails to avoid any movement against the bridging and subsequent floor noise.
- Must be installed in cross pairs. Avoid bridging overlap, it may cause squeaks



Typical O installation



Typical N installation



MiTek USP Stock No.	Ref. No.	Steel Gauge	Dimensions (in)		Fastener Schedule ¹		Code Ref.
			W	L	Qty	Type	
N16	LTB20, TB20	22	3/4	19-3/4	4	8d x 1-1/2	IBC, FL, LA
O40	LTB40	22	3/4	39-3/4	4	8d x 1-1/2	
N27	TB27	20	3/4	26-13/16	4	8d x 1-1/2	
N30	TB30	20	3/4	29-13/16	4	8d x 1-1/2	
N36	TB36	20	3/4	35-13/16	4	8d x 1-1/2	
N42	TB42	20	3/4	42	4	8d x 1-1/2	
N48	TB48	20	3/4	48	4	8d x 1-1/2	
N54	TB54	20	3/4	54	4	8d x 1-1/2	
N56	TB56	20	1	56	4	8d x 1-1/2	
N60	TB60	20	1	60	4	8d x 1-1/2	
O16	--	18	1	44	4	8d x 1-1/2	

1) For joist spacing, refer to the Joist Installation chart.
 2) **NAILS:** 8d x 1-1/2 nails are 0.131" dia. x 1-1/2" long.

Joist Installations

Joist Type	Joist Height	Joist Spacing ¹								
		12"	16"	19.2"	24"	30"	32"	36"	42"	48"
2x Sawn Dimensional	7-1/4	--	O40/O16/ N16	N27	N27/N30	N36	N36	N42	N48	N54/N56
	9-1/4	N16	O40/O16/ N16	N27	N30	N36	N36	N42	N48	N54/N56
	9-1/2	O40/O16/ N16	O40	N27	N30	N36	N36	N42	N48	N54/N56
1-3/4" SCL	10	N16	N16	N27	N30	N36	N36	N42	N48	N54/N56
	11-1/4	N16	N16	N27	N30	N36	N36	N42	N48	N54/N56
	11-7/8	N16	N27	N27/N30	N30	N36	N36	N42	N48	N54/N56
	12	N27	N27	N27/N30	N30	N36	N42	N42	N48	N54/N56
I-Joists: 2-1/2" & 3-1/2" wide	14	N16	N16	N16	N27/N30	N36	N36	N36	N42	N56
	16	N16	N16	N27	N30	N36	N36	N42	N48	N56
	18	N16	N16	N27	N30	N36	N36	N42	N48	N54/N56
	20	N16	N27	N27/N30	N30	N36	N36	N42	N48	N54/N56
	22	N27	N27	N30	N30	N36	N36	N42	N48	N54/N56
	24	N27	N30	N30	N36	N36	N42	N42	N48	N54/N56
	26	N30	N30	N30	N36	N42	N42	N42	N48	N54/N56/N60
28	N30	N30	N36	N36	N42	N42	N48	N56	N56/N60	

1) Gray shaded cells represent bridging installed on the face of the joist; web stiffeners required for I-Joists.
 2) All bridging products require (2) 8d x 1-1/2 nails at each end, which are 0.131" dia. x 1-1/2" long.

MBG – Grip tooth bridging. Features special teeth which grip joists and provide easy single-nail installation. Can be installed after subfloor is in place.

MB16 – Snap-on, no-nail bridging can be placed in existing floor systems where joist movement is suspected. Two-piece construction creates a solid diagonal brace against joist movement.

Materials: See chart
Finish: G90 galvanizing
Codes: IBC, FL, LA

Installation:

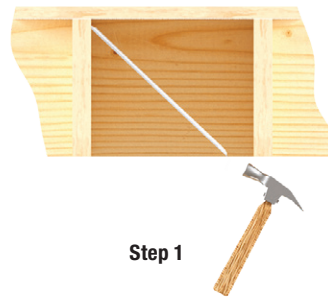
- Use specified fasteners in models with fastener requirements.
- For all models – Bridging should be installed on floor joists with a nominal depth-to-thickness ratio of 5 to 6 or more (2018 National Design Specification for Wood Construction; Section 4.4.1). Bridging units should be installed in pairs at intervals of 8' or less. Bridging pairs should form an "X" between joists; leave a slight space between the units to avoid noise-generating contact. Follow specific installation instructions below for particular models.
- **MBG** – May be installed before or after sheathing. Position the unbent end of the bridging unit near the top of the joist and drive prongs into wood with a hammer blow to the heel of the bent end. Wedge bent end near the lower edge of the opposite joist, set teeth into wood with hammer blow. Nail holes are provided at the bent end if prongs are damaged during installation. Fully seat nails to avoid any movement against the bridging and subsequent floor noise.
- **MB16** – Two-piece unit is shipped as one piece. Bend unit in center up and down to break into two pieces. Slide narrower piece inside wider piece, setting the end tab into slot appropriate for joist spacing. Setting one prong end near the top of one joist and the opposite prong end near the bottom of the opposite joist, pull down on the center of the bridging until the wider piece snaps into place over the narrow piece and creates a rigid, one-piece bridging unit. Wear gloves during installation.



MB16



Typical MB16 installation



Step 1



Step 2

Typical MBG installation

Joist Size	Joist Spacing O.C. (in) ¹	MiTek USP Stock No.	Ref. No.	Steel Gauge	Dimensions (in)		Fastener Schedule ²		Code Ref.
					W	L	Qty	Type	
2 x 8	12	MBG812	NCA2X8-12	22	15/16	11-3/4	1	8d x 1-1/2	IBC, FL, LA
2 x 10	12	MBG1012	NCA2X10-12	22	15/16	12-3/4	1	8d x 1-1/2	
2 x 12	12	MBG1212	NCA2X12-12	22	15/16	14	1	8d x 1-1/2	
2 x 14	12	MBG1412	--	22	15/16	16	1	8d x 1-1/2	
2 x 16	12	MBG1612	--	22	15/16	17	1	8d x 1-1/2	
2 x 8-10-12	16	MB16	--	22	11/16	--	--	--	
2 x 8	16	MBG816	NCA2X8-16	22	15/16	15-9/16	1	8d x 1-1/2	
2 x 10	16	MBG1016	NCA2X10-16	22	15/16	16-5/16	1	8d x 1-1/2	
2 x 12	16	MBG1216	NCA2X12-16	22	15/16	17-1/4	1	8d x 1-1/2	
2 x 14	16	MBG1416	--	22	15/16	18-7/16	1	8d x 1-1/2	
2 x 16	16	MBG1616	--	22	15/16	19-5/8	1	8d x 1-1/2	
2 x 8	24	MBG824	--	22	1-5/16	23-1/2	1	8d x 1-1/2	
2 x 10	24	MBG1024	--	22	1-5/16	24	1	8d x 1-1/2	
2 x 12	24	MBG1224	--	22	1-5/16	24-3/4	1	8d x 1-1/2	
2 x 14	24	MBG1424	--	22	1-5/16	25-5/8	1	8d x 1-1/2	
2 x 16	24	MBG1624	--	22	15/16	26-5/8	1	8d x 1-1/2	



MBG

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1) Joist spacing is based on a 1-1/2" joist, consult MiTek regarding wider joist applications.
 2) **NAILS:** 8d x 1-1/2 nails are 0.131" dia. x 1-1/2" long.