

**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

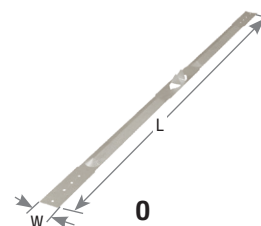
**Codes:** IBC, FL, LA

### 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 Stock No.	Ref. No.	Steel Gauge	Dimensions (in)		Fastener Schedule <sup>1</sup>		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 <sup>1</sup>								
		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.