

The HN nut is a standard hex nut manufactured from low carbon ASTM A563 Grade A steel (Proof Load = 90 ksi) which makes it applicable for many common ASTM steel threaded rods of equivalent or lower strength.

Materials: ASTM A563 Grade A

Finish: See chart



HN

Finish	MiTek USP Stock No.	Ref. No.	Dia. (in)	Code Ref.	Finish	MiTek USP Stock No.	Ref. No.	Dia. (in)	Code Ref.
None	HN38	--	0.375	--	Zinc Plated	HN38-ZP	NUT3/8	0.375	--
	HN12	--	0.500			HN12-ZP	NUT1/2	0.500	
	HN58	--	0.625			HN58-ZP	NUT5/8	0.625	
	HN34	--	0.750			HN34-ZP	NUT3/4	0.750	
	HN78	--	0.875			HN78-ZP	NUT7/8	0.875	
	HN1	--	1.000			HN1-ZP	NUT1	1.000	
	HN118	--	1.125			HN118-ZP	NUT1-1/8	1.125	

FT / WG Concrete Form Ties & Wedge

The FT form tie and WG wedge system allows concrete wall forms to be made from 2x nominal form lumber by accurately securing them in place while the concrete is poured. This product is intended for a maximum wall height of 4 feet.

FT – Connect 1x and 2x nominal form lumber in low foundation walls up to 4 feet high

WG – V-shaped wedge assures rigidity and consistent form spacing

Materials: FT – 18 gauge, WG – 14 gauge

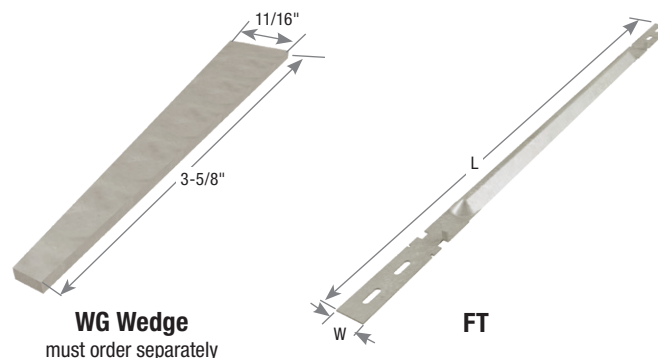
Finish: G90 galvanizing

Installation:

- Use the Spacing Guide chart to determine spacing between FT units. Each level in chart assumes 12" form boards. Wall thickness from 6" to 12".
- Install with "V" facing up.
- Use (2) WG wedges for each tie. Insert wedge into inside slots for 1x nominal forms and outside slots for 2x nominal forms.
- No walers or stiff-backs are used.
- Vertical ties to keep forms from separating are not included.
- Form deflection may be substantial. Check deflection, if it is critical, and move ties to compensate.
- Forming lumber is assumed to have fb of 1,000 psi.
- **Not recommended for pours greater than 4 feet in height.**



Typical FT/WG installation



Spacing Guide chart

Concrete Lift Height	Level 1		Level 2		Level 3		Level 4	
	1x	2x	1x	2x	1x	2x	1x	2x
12" or Less	2' 6"	4' 0"	--	--	--	--	--	--
12" – 24"	1' 6"	3' 0"	2' 6"	4' 0"	--	--	--	--
24" – 36"	1' 0"	2' 0"	1' 6"	3' 0"	2' 6"	4' 0"	--	--
36" – 48"	0' 9"	1' 6"	1' 0"	2' 0"	1' 6"	3' 0"	2' 6"	4' 0"

1) Factor of safety against tensile failure of tie is 1.5 or more.

MiTek USP Stock No.	Ref. No.	Steel Gauge	Dimensions (in)		Wedge Qty	Footing Width or Wall Thickness	Code Ref.
			W	L			
FT6	WT6	18	5/8	10-5/8	2	6	--
FT8	WT8	18	5/8	12-5/8	2	8	
FT10	WT10	18	5/8	14-5/8	2	10	
FT12	WT12	18	5/8	16-5/8	2	12	
WG	W1	14	11/16	3-5/8	--	--	

1) May be used with either 3/4" or 1-1/2" forming materials.

2) Breaking strength is approximately 775 pounds. Space as necessary to prevent form blow-out.