# HHC / HJC / HJHC / HTHJ Hip/Jack Connectors

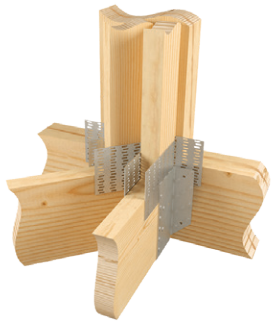
**HHC** – Designed to support hip/hip truss/rafter. Contact MiTek when using in multi-ply applications

**HJHC** – Allows for hip/hip support and hip/jack/hip installations

**HJC / HTHJ** – Used to simultaneously hang a combination of hips and jacks off girder trusses. These hangers fit both left-hand and right-hand applications. An open back design allows for retrofit installations

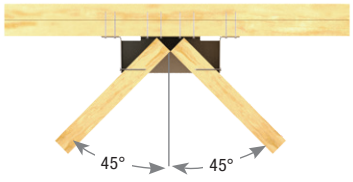
**Materials**: HHC/HJC/HJHC – 12 gauge, HTHJ –18 gauge
**Finish:** G90 galvanizing
**Options:** See HJC Specialty Options Chart below
**Codes:** See chart for code references

**Installation:**
• Use all specified fasteners. See Product Notes, page 18.

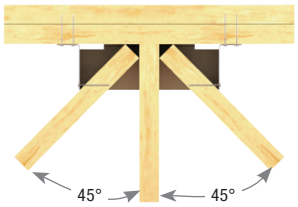


**Typical HJC/HTHJ installation**

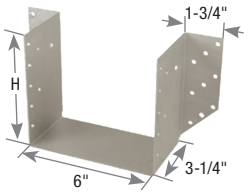

**Typical HJC/HTHJ installation top view**



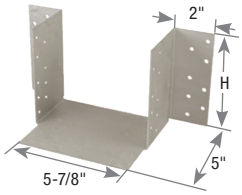

**Typical HHC installation top view**



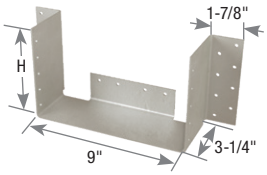

**Typical HJHC installation top view**



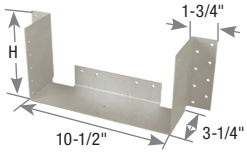

**HJC**




**HTHJ**




**HHC**



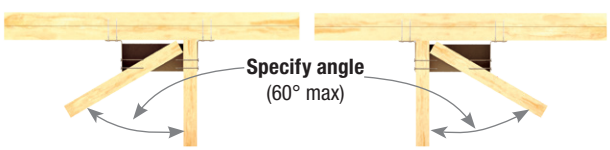

**HJHC**

| Description | MiTek USP Stock No. | Ref. No. | Steel Gauge | H (in) | Fastener Schedule[3] | | | | | DF/SP Allowable Loads (Lbs.)[2] | | | | S-P-F Allowable Loads (Lbs.)[2] | | | | Code Ref. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Supporting Member | | Supported Member per Hip | Supported Member per Jack | Supported Member Type | Floor | Roof | | Uplift[1] | Floor | Roof | | Uplift[1] | |
| | | | | | Qty | Type | Qty | Qty | | 100% | 115% | 125% | 160% | 100% | 115% | 125% | 160% | |
| 2 x 6 right / left | HJC26 | LTHJA26, THJA26, THJU26 | 12 | 5-3/8 | 16 | 16d | 5 | 7 | 10d | 2750 | 3055 | 3265 | 2345 | **2420** | **2685** | **2750** | **1905** | IBC, FL, LA |
| 2 x 8 right / left | HJC28 | -- | 12 | 7-1/8 | 20 | 16d | 6 | 8 | 10d | 3385 | 3385 | 3385 | 2345 | 2760 | 2760 | 2760 | 1910 | |
| 2 x 6 terminal | HHC26 | LTHJA26, THJA26 | 12 | 5-7/16 | 20 | 16d | 5 | -- | 10d | 3100 | 3505 | 3505 | 2130 | 2725 | 2800 | 2800 | 1870 | -- |
| 2 x 8 terminal | HHC28 | -- | 12 | 7-3/16 | 24 | 16d | 6 | -- | 10d | 3505 | 3505 | 3505 | 2410 | 2805 | 2805 | 2805 | 1930 | |
| 2 x 6 terminal | HJHC26 | -- | 12 | 5-7/16 | 20 | 16d | 5 | 2 | 10d | 3100 | 3505 | 3505 | 2410 | 2725 | 2815 | 2815 | 1935 | |
| 2 x 8 terminal | HJHC28 | -- | 12 | 7-3/16 | 24 | 16d | 6 | 2 | 10d | 3505 | 3505 | 3505 | 2410 | 2820 | 2820 | 2820 | 1940 | |
| 2 x 6 terminal | HTHJ26-18 | -- | 18 | 5 | 16 | 16d | 7 | 5 | 16d | **2295** | **2605** | **2695** | **1790** | **1985** | **2110** | **2110** | **1225** | |

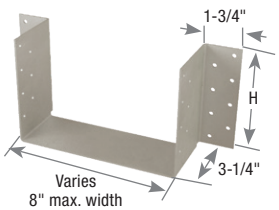
1) Uplift loads have been increased 60% for wind or seismic loads; no further increase shall be permitted.
2) Loading published for total load of hip / jack connection.
3) **NAILS:** 10d nails are 0.148" dia. x 3" long, 16d nails are 0.162" dia. x 3-1/2" long.
New products or updated product information are designated in **blue font**.

## HJC Specialty Options Chart – Refer to Specialty Options pages 320-321 for additional details.

| Option | Hip Truss Skew |
|---|---|
| **Range** | 30˚ to 60˚ |
| **Allowable Loads** | 100% of table load |
| **Ordering** | Add SK, angle of hip required, to product number. Ex. HJC26_SK55 |




**Typical HJC (skewed) installation with alternate skew angle top view**



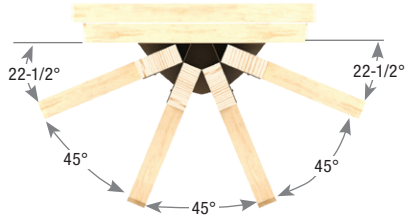

**HJC (skewed)**

# **BN** Breakfast Nook Hangers

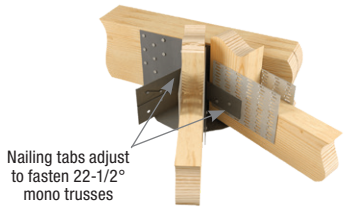
Designed to carry four mono trusses in one connector, it reduces installation time and cost. Provides a tested, load rated connection. Standard configuration spacing: 22-1/2°, 45°, 45°, 45°, 22-1/2°. The design also includes field adjustable nailing tabs.

**Materials:** 14 gauge
**Finish:** Primer
**Codes:** IBC, FL, LA

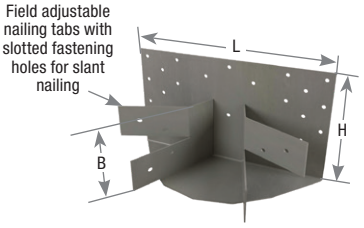
**Installation:**
- Use all specified fasteners. See Product Notes, page 18.
- Allow a 2" setback for each mono truss.
- For pitched ceiling, design mono trusses with end-vertical upset. Upset equals tangent of the ceiling slope times 5.6".
- **Bend tab only once.**




**BN264**
**Standard configuration**
(top view)




**Typical BN264 installation**




**BN264**

| MiTek USP Stock No. | Ref. No. | Steel Gauge | Dimensions (in) | | | Fastener Schedule[4] | | | | DF/SP Allowable Loads (Lbs.)[3] | | | | S-P-F Allowable Loads (Lbs.)[3] | | | | Code Ref. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Carrying Member | | Carried Member per Mono Truss | | Floor | Roof | | Uplift[1,2] | Floor | Roof | | Uplift[1,2] | |
| | | | L | H | B | Qty | Type | Qty | Type | 100% | 115% | 125% | 160% | 100% | 115% | 125% | 160% | |
| BN264 | THJM2-4-SDS3 | 14 | 10 | 5-3/8 | 3-1/4 | 20 | 10d | 2 | 10d x 1-1/2 | 2640 | 3035 | 3145 | 585 | 2325 | 2635 | 2635 | 475 | IBC, FL, LA |
| BN284 | -- | 14 | 10 | 7-1/8 | 3-1/4 | 20 | 10d | 2 | 10d x 1-1/2 | 2640 | 3035 | 3145 | 585 | 2325 | 2635 | 2635 | 475 | |

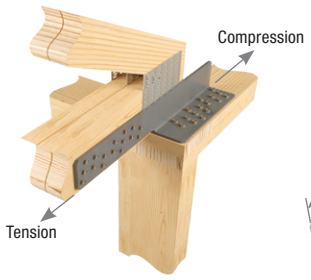
1) Uplift loads have been increased 60% for wind or seismic loads; no further increase shall be permitted.
2) Maximum uplift per mono truss is 175-lb at 160% for DF/SP and 150-lb at 160% for S-P-F.
3) Loading published is for total load of connection.
4) **NAILS:** 10d x 1-1/2 nails are 0.148" dia. x 1-1/2" long, 10d nails are 0.148" dia. x 3" long.

# **LDSC / DSC** Drag Strut Connectors

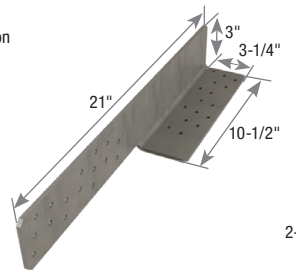
Transfers lateral loads from girder truss into bearing walls.

**Materials:** See chart
**Finish:** Primer
**Codes:** IBC, FL, LA

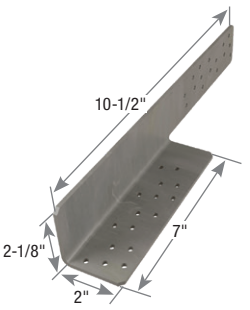
**Installation:**
- Use all specified fasteners. See Product Notes, page 18.
- MiTek's WS3 structural wood screws, 1/4" dia. x 3" long, are supplied with DSC4 connector.




**Typical DSC4R installation**




**DSC4R right shown**




**LDSC4L left shown**

| MiTek USP Stock No. | Ref. No. | Steel Gauge | Fastener Schedule[2,3] | | | | DF/SP Allowable Loads (Lbs.)[1] | | S-P-F Allowable Loads (Lbs.)[1] | | Code Ref. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Truss | | Top Plate | | Compression | Tension | Compression | Tension | |
| | | | Qty | Type | Qty | Type | 160% | 160% | 160% | 160% | |
| LDSC4L/R | -- | 14 | 9 | 10d x 1-1/2 | 9 | 10d x 1-1/2 | 1500 | 1505 | **1020** | **1025** | IBC, FL, LA |
| DSC4L/R | DSC5R/L-SDS3 | 3 | 16 | WS3 | 16 | WS3 | 4965 | **4655** | **3380** | **3170** | |

1) Allowable loads have been increased 60% for wind or seismic loads; no further increase shall be permitted.
2) MiTek's WS3 structural wood screws are 1/4" dia. x 3" long and are included with DSC4 connector.
3) **NAILS:** 10d x 1-1/2 nails are 0.148" dia. x 1-1/2" long.
New products or updated product information are designated in **blue font**.