

HU/HUC

Heavy-Duty Face-Mount Hangers

HU/HUC hangers may be installed on a masonry/concrete wall as described below. Additionally, HU hangers with one flange concealed may be installed similarly.

HU and HUC products are heavy-duty face-mount joist hangers made from 14-gauge galvanized steel.

- The HUC is a concealed flange (face flanges turned in) version of the HU.
- HU is available with both flanges concealed, provided the W dimension is 2 $\frac{1}{4}$ " or greater, at 100% of the table load. Specify HUC.
- HU is available with one flange concealed when the W dimension is less than 2 $\frac{1}{4}$ " at 100% of the table load. Specify as an 'X' version and specify flange to conceal.
- For any **wood-to-wood** HU or HUC shown in this catalog, the user may substitute all face nails with $\frac{1}{4}$ " x 1 $\frac{3}{4}$ " Titen Turbo™ screws (Model TNT25134H) for concrete and $\frac{1}{4}$ " x 2 $\frac{1}{4}$ " Titen Turbo screws (Model TNT25214H) for GFCMU. Follow all installation instructions **below** and use the loads from the sawn lumber or EWP sections.

Material: 14 gauge

Finish: Galvanized; ZMAX® coating available

Installation:

- Attach the hangers to concrete or GFCMU walls using hex-head Titen Turbo screws. Titen Turbo screw anchors for GFCMU ($\frac{1}{4}$ " x 2 $\frac{1}{4}$ " — Model TNT25214H) and for concrete ($\frac{1}{4}$ " x 1 $\frac{3}{4}$ " — Model TNT25134H) are **sold separately**.
- Drill and prep the holes according to the Installation Instructions provided with the packaging for Titen Turbo screw anchors.
- Caution: Oversized-diameter holes in the base material will reduce or eliminate the mechanical interlock of the threads with the base material and will reduce the anchor's load capacity.
- Titen Turbo Installation Kits are available (Model TNTINSTALLKIT). A $\frac{3}{16}$ " x 6" SDS-plus drill bit is also available (Model MDPL01860SH).
- **Installation on GFCMU** — A minimum edge distance of 1 $\frac{1}{2}$ " and a minimum end distance of 3 $\frac{7}{8}$ " is required as shown in Figure 1 for full load. Where no uplift is required, a minimum end distance of 1 $\frac{1}{2}$ " is permitted. **For HU models installed with $\frac{5}{8}$ " minimum face fastener edge distances or HUC models installed with side of hanger edge flush and with a minimum end distance of 1", allowable download is 0.63 of table loads with no reduction for uplift loads.**
- **Installation on Concrete** — A minimum end and edge distance of 3" is required for table loads. For edge distances of 1 $\frac{3}{4}$ " minimum and a minimum end distance of 3", allowable download is 0.90 of table loads with no reduction for uplift loads. **For HU models installed with $\frac{5}{8}$ " minimum face fastener edge distances or HUC models installed with side of hanger edge flush and with a minimum end distance of 1", allowable download is 0.63 of table loads with no reduction for uplift loads.**

Codes: See p. 13 for Code Reference Key Chart

Web Applications: Visit app.strongtie.com/hs to access our Hanger Selector web application.

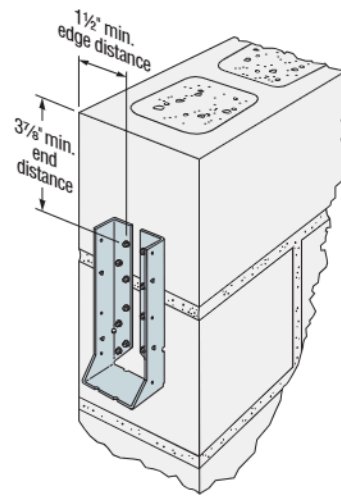
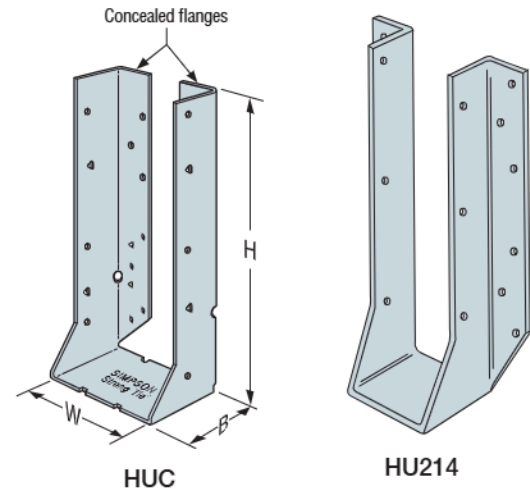


Figure 1 — HUC410 Installed on Masonry Block End Wall

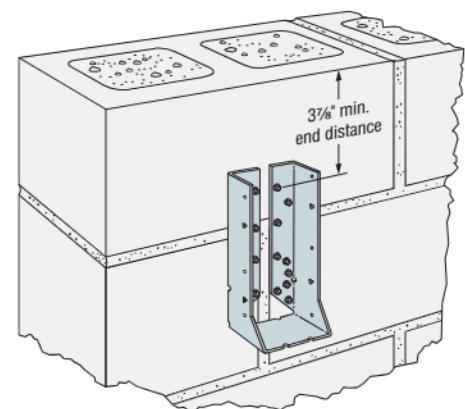


Figure 2 — HUC410 Installed on Masonry Block End Wall

HU/HUC

Heavy-Duty Face-Mount Hangers (cont.)

These products are available with additional corrosion protection. For more information, see p. 16.

| Model No. | | Fasteners (in.) | | | DF/SP Allowable Loads | | | | Code Ref. |
|------------------|-----------------|--------------------|----------------------|-----------------|-----------------------|----------------|--------------|----------------|-----------|
| | | | | | GFCMU | | Concrete | | |
| Standard | Concealed | GFCMU Titen Turbo™ | Concrete Titen Turbo | Joist | Uplift (160) | Down (100/125) | Uplift (160) | Down (100/125) | |
| HU26 | HU26X | (4) ¼ x 2¼ | (4) ¼ x 1¾ | (2) 0.148 x 1½ | 335 | 1,130 | 335 | 1,240 | |
| HU28 | HU28X | (6) ¼ x 2¼ | (6) ¼ x 1¾ | (4) 0.148 x 1½ | 545 | 1,700 | 760 | 1,860 | |
| HU24-2 | HUC24-2 | (4) ¼ x 2¼ | (4) ¼ x 1¾ | (2) 0.148 x 3 | 380 | 1,130 | 380 | 1,240 | |
| HU26-2 (Min.) | HUC26-2 | (8) ¼ x 2¼ | (8) ¼ x 1¾ | (4) 0.148 x 3 | 760 | 2,265 | 760 | 2,480 | |
| HU26-2 (Max.) | HUC26-2 | (12) ¼ x 2¼ | (12) ¼ x 1¾ | (6) 0.148 x 3 | 1,135 | 3,395 | 1,135 | 3,720 | |
| HU26-3 (Min.) | HUC26-3 (Min.) | (8) ¼ x 2¼ | (8) ¼ x 1¾ | (4) 0.148 x 3 | 760 | 2,265 | 760 | 2,480 | |
| HU26-3 (Max.) | HUC26-3 (Max.) | (12) ¼ x 2¼ | (12) ¼ x 1¾ | (6) 0.148 x 3 | 1,135 | 3,395 | 1,135 | 3,720 | |
| HU28-2 (Min.) | HUC28-2 (Min.) | (10) ¼ x 2¼ | (10) ¼ x 1¾ | (4) 0.148 x 3 | 760 | 2,830 | 760 | 3,100 | |
| HU28-2 (Max.) | HUC28-2 (Max.) | (14) ¼ x 2¼ | (14) ¼ x 1¾ | (6) 0.148 x 3 | 1,135 | 3,960 | 1,135 | 4,340 | |
| HU210 | HU210X | (8) ¼ x 2¼ | (8) ¼ x 1¾ | (4) 0.148 x 1½ | 545 | 2,265 | 760 | 2,480 | |
| HU210-2 (Min.) | HUC210-2 (Min.) | (14) ¼ x 2¼ | (14) ¼ x 1¾ | (6) 0.148 x 3 | 1,135 | 3,960 | 1,135 | 4,340 | |
| HU210-2 (Max.) | HUC210-2 (Max.) | (18) ¼ x 2¼ | (18) ¼ x 1¾ | (10) 0.148 x 3 | 1,800 | 5,095 | 1,800 | 5,210 | |
| HU210-3 (Min.) | HUC210-3 (Min.) | (14) ¼ x 2¼ | (14) ¼ x 1¾ | (6) 0.148 x 3 | 1,135 | 3,960 | 1,135 | 4,340 | |
| HU210-3 (Max.) | HUC210-3 (Max.) | (18) ¼ x 2¼ | (18) ¼ x 1¾ | (10) 0.148 x 3 | 1,800 | 5,095 | 1,800 | 5,210 | |
| HU212 | HU212X | (10) ¼ x 2¼ | (10) ¼ x 1¾ | (6) 0.148 x 1½ | 1,135 | 2,830 | 1,135 | 2,865 | |
| HU212-2 (Min.) | HUC212-2 (Min.) | (16) ¼ x 2¼ | (16) ¼ x 1¾ | (6) 0.148 x 3 | 1,135 | 4,530 | 1,135 | 4,960 | |
| HU212-2 (Max.) | HUC212-2 (Max.) | (22) ¼ x 2¼ | (22) ¼ x 1¾ | (10) 0.148 x 3 | 1,350 | 5,210 | 1,350 | 5,210 | |
| HU212-3 (Min.) | HUC212-3 (Min.) | (16) ¼ x 2¼ | (16) ¼ x 1¾ | (6) 0.148 x 3 | 1,135 | 4,530 | 1,135 | 4,960 | |
| HU212-3 (Max.) | HUC212-3 (Max.) | (22) ¼ x 2¼ | (22) ¼ x 1¾ | (10) 0.148 x 3 | 1,800 | 5,210 | 1,800 | 5,210 | |
| HU214 | HU214X | (12) ¼ x 2¼ | (12) ¼ x 1¾ | (6) 0.148 x 1½ | 1,135 | 2,865 | 1,135 | 2,665 | |
| HU214-2 (Min.) | HUC214-2 (Min.) | (18) ¼ x 2¼ | (18) ¼ x 1¾ | (8) 0.148 x 3 | 1,515 | 5,095 | 1,515 | 5,210 | |
| HU214-2 (Max.) | HUC214-2 (Max.) | (24) ¼ x 2¼ | (24) ¼ x 1¾ | (12) 0.148 x 3 | 2,015 | 5,095 | 2,015 | 5,210 | |
| HU214-3 (Min.) | HUC214-3 (Min.) | (18) ¼ x 2¼ | (18) ¼ x 1¾ | (8) 0.148 x 3 | 1,515 | 5,095 | 1,515 | 5,210 | |
| HU214-3 (Max.) | HUC214-3 (Max.) | (24) ¼ x 2¼ | (24) ¼ x 1¾ | (12) 0.148 x 3 | 2,015 | 5,095 | 2,015 | 5,210 | |
| HU216 | HU216X | (18) ¼ x 2¼ | (18) ¼ x 1¾ | (8) 0.148 x 1½ | 1,515 | 3,115 | 1,515 | 2,920 | |
| HU216-2 (Min.) | HUC216-2 (Min.) | (20) ¼ x 2¼ | (20) ¼ x 1¾ | (8) 0.148 x 3 | 1,515 | 5,210 | 1,515 | 5,210 | |
| HU216-2 (Max.) | HUC216-2 (Max.) | (26) ¼ x 2¼ | (26) ¼ x 1¾ | (12) 0.148 x 3 | 2,015 | 5,210 | 2,015 | 5,210 | |
| HU216-3 (Min.) | HUC216-3 (Min.) | (20) ¼ x 2¼ | (20) ¼ x 1¾ | (8) 0.148 x 3 | 1,515 | 5,210 | 1,515 | 5,210 | |
| HU216-3 (Max.) | HUC216-3 (Max.) | (26) ¼ x 2¼ | (26) ¼ x 1¾ | (12) 0.148 x 3 | 2,015 | 5,210 | 2,015 | 5,210 | |
| HU7 (Min.) | (Not available) | (12) ¼ x 2¼ | (12) ¼ x 1¾ | (4) 0.148 x 1½ | 545 | 3,240 | 760 | 3,240 | |
| HU7 (Max.) | (Not available) | (16) ¼ x 2¼ | (16) ¼ x 1¾ | (8) 0.148 x 1½ | 1,085 | 3,740 | 1,085 | 3,740 | |
| HU9 (Min.) | (Not available) | (18) ¼ x 2¼ | (18) ¼ x 1¾ | (6) 0.148 x 1½ | 1,135 | 3,400 | 1,135 | 3,490 | |
| HU9 (Max.) | (Not available) | (24) ¼ x 2¼ | (24) ¼ x 1¾ | (10) 0.148 x 1½ | 1,445 | 3,995 | 1,445 | 3,995 | |
| HU11 (Min.) | (Not available) | (22) ¼ x 2¼ | (22) ¼ x 1¾ | (6) 0.148 x 1½ | 1,135 | 3,430 | 1,135 | 3,490 | |
| HU11 (Max.) | (Not available) | (30) ¼ x 2¼ | (30) ¼ x 1¾ | (10) 0.148 x 1½ | 1,445 | 3,995 | 1,445 | 3,995 | |
| HU14 (Min.) | (Not available) | (28) ¼ x 2¼ | (28) ¼ x 1¾ | (8) 0.148 x 1½ | 1,515 | 3,740 | 1,515 | 3,740 | |
| HU14 (Max.) | (Not available) | (36) ¼ x 2¼ | (36) ¼ x 1¾ | (14) 0.148 x 1½ | 2,015 | 4,500 | 2,015 | 4,500 | |
| HU3.25/10.5 | (Not available) | (22) ¼ x 2¼ | (22) ¼ x 1¾ | (10) 0.148 x 3 | 1,895 | 5,210 | 1,895 | 5,210 | |
| HU3.25/12 | (Not available) | (24) ¼ x 2¼ | (24) ¼ x 1¾ | (12) 0.148 x 3 | 2,015 | 5,210 | 2,015 | 5,210 | |
| HU3.25/16 (Min.) | (Not available) | (20) ¼ x 2¼ | (20) ¼ x 1¾ | (8) 0.148 x 3 | 1,515 | 5,210 | 1,515 | 5,210 | |
| HU3.25/16 (Max.) | (Not available) | (26) ¼ x 2¼ | (26) ¼ x 1¾ | (12) 0.148 x 3 | 2,015 | 5,210 | 2,015 | 5,210 | |
| HU44 | HUC44 | (4) ¼ x 2¼ | (4) ¼ x 1¾ | (2) 0.148 x 3 | 380 | 1,130 | 380 | 1,240 | |
| HU46 (Min.) | HUC46 (Min.) | (8) ¼ x 2¼ | (8) ¼ x 1¾ | (4) 0.148 x 3 | 760 | 2,265 | 760 | 2,480 | |
| HU46 (Max.) | HUC46 (Max.) | (12) ¼ x 2¼ | (12) ¼ x 1¾ | (6) 0.148 x 3 | 1,135 | 3,395 | 1,135 | 3,720 | |

See footnotes on p. 255.

HU/HUC

Heavy-Duty Face-Mount Hangers (cont.)

These products are available with additional corrosion protection. For more information, see p. 16.

| Model No. | | Fasteners (in.) | | | DF/SP Allowable Loads | | | | Code Ref. |
|----------------|-----------------|--------------------|----------------------|------------------|-----------------------|----------------|--------------|----------------|-----------|
| | | | | | GFCMU | | Concrete | | |
| Standard | Concealed | GFCMU Titen Turbo™ | Concrete Titen Turbo | Joist | Uplift (160) | Down (100/125) | Uplift (160) | Down (100/125) | |
| ➡ HU48 (Min.) | HUC48 (Min.) | (10) ¼ x 2 ¼ | (10) ¼ x 1 ¾ | (4) 0.148 x 3 | 760 | 2,830 | 760 | 3,100 | |
| ➡ HU48 (Max.) | HUC48 (Max.) | (14) ¼ x 2 ¼ | (14) ¼ x 1 ¾ | (6) 0.148 x 3 | 1,135 | 3,960 | 1,135 | 4,340 | |
| ➡ HU410 (Min.) | HUC410 (Min.) | (14) ¼ x 2 ¼ | (14) ¼ x 1 ¾ | (6) 0.148 x 3 | 1,135 | 3,960 | 1,135 | 4,340 | |
| ➡ HU410 (Max.) | HUC410 (Max.) | (18) ¼ x 2 ¼ | (18) ¼ x 1 ¾ | (10) 0.148 x 3 | 1,800 | 5,095 | 1,800 | 5,210 | |
| HU412 (Min.) | HUC412 (Min.) | (16) ¼ x 2 ¼ | (16) ¼ x 1 ¾ | (6) 0.148 x 3 | 1,135 | 4,530 | 1,135 | 4,960 | |
| HU412 (Max.) | HUC412 (Max.) | (22) ¼ x 2 ¼ | (22) ¼ x 1 ¾ | (10) 0.148 x 3 | 1,800 | 5,210 | 1,800 | 5,210 | |
| HU414 (Min.) | HUC414 (Min.) | (18) ¼ x 2 ¼ | (18) ¼ x 1 ¾ | (8) 0.148 x 3 | 1,515 | 5,095 | 1,515 | 5,210 | |
| HU414 (Max.) | HUC414 (Max.) | (24) ¼ x 2 ¼ | (24) ¼ x 1 ¾ | (12) 0.148 x 3 | 2,015 | 5,095 | 2,015 | 5,210 | |
| HU416 (Min.) | HUC416 (Min.) | (20) ¼ x 2 ¼ | (20) ¼ x 1 ¾ | (8) 0.148 x 3 | 1,515 | 5,210 | 1,515 | 5,210 | |
| HU416 (Max.) | HUC416 (Max.) | (26) ¼ x 2 ¼ | (26) ¼ x 1 ¾ | (12) 0.148 x 3 | 2,015 | 5,210 | 2,015 | 5,210 | |
| HU66 (Min.) | HUC66 (Min.) | (8) ¼ x 2 ¼ | (8) ¼ x 1 ¾ | (4) 0.162 x 3 ½ | 900 | 2,265 | 900 | 2,480 | |
| HU66 (Max.) | HUC66 (Max.) | (12) ¼ x 2 ¼ | (12) ¼ x 1 ¾ | (6) 0.162 x 3 ½ | 1,345 | 3,395 | 1,345 | 3,720 | |
| HU68 (Min.) | HUC68 (Min.) | (10) ¼ x 2 ¼ | (10) ¼ x 1 ¾ | (4) 0.162 x 3 ½ | 900 | 2,830 | 900 | 3,100 | |
| HU68 (Max.) | HUC68 (Max.) | (14) ¼ x 2 ¼ | (14) ¼ x 1 ¾ | (6) 0.162 x 3 ½ | 1,345 | 3,960 | 1,345 | 4,340 | |
| HU610 (Min.) | HUC610 (Min.) | (14) ¼ x 2 ¼ | (14) ¼ x 1 ¾ | (6) 0.162 x 3 ½ | 1,345 | 3,960 | 1,345 | 4,340 | |
| HU610 (Max.) | HUC610 (Max.) | (18) ¼ x 2 ¼ | (18) ¼ x 1 ¾ | (8) 0.162 x 3 ½ | 1,795 | 5,095 | 1,795 | 5,210 | |
| HU612 (Min.) | HUC612 (Min.) | (16) ¼ x 2 ¼ | (16) ¼ x 1 ¾ | (6) 0.162 x 3 ½ | 1,345 | 4,530 | 1,345 | 4,960 | |
| HU612 (Max.) | HUC612 (Max.) | (22) ¼ x 2 ¼ | (22) ¼ x 1 ¾ | (8) 0.162 x 3 ½ | 1,795 | 5,210 | 1,795 | 5,210 | |
| HU614 (Min.) | HUC614 (Min.) | (18) ¼ x 2 ¼ | (18) ¼ x 1 ¾ | (8) 0.162 x 3 ½ | 1,795 | 5,095 | 1,795 | 5,210 | |
| HU614 (Max.) | HUC614 (Max.) | (24) ¼ x 2 ¼ | (24) ¼ x 1 ¾ | (12) 0.162 x 3 ½ | 2,015 | 5,210 | 2,015 | 5,210 | |
| HU616 (Min.) | HUC616 (Min.) | (20) ¼ x 2 ¼ | (20) ¼ x 1 ¾ | (8) 0.162 x 3 ½ | 1,795 | 5,210 | 1,795 | 5,210 | |
| HU616 (Max.) | HUC616 (Max.) | (26) ¼ x 2 ¼ | (26) ¼ x 1 ¾ | (12) 0.162 x 3 ½ | 2,015 | 5,210 | 2,015 | 5,210 | |
| HU410-2 (Min.) | HUC410-2 (Min.) | (14) ¼ x 2 ¼ | (14) ¼ x 1 ¾ | (6) 0.162 x 3 ½ | 1,345 | 3,960 | 1,345 | 4,340 | |
| HU410-2 (Max.) | HUC410-2 (Max.) | (18) ¼ x 2 ¼ | (18) ¼ x 1 ¾ | (8) 0.162 x 3 ½ | 1,795 | 5,095 | 1,795 | 5,210 | |
| HU412-2 (Min.) | HUC412-2 (Min.) | (16) ¼ x 2 ¼ | (16) ¼ x 1 ¾ | (6) 0.162 x 3 ½ | 1,345 | 4,530 | 1,345 | 4,960 | |
| HU412-2 (Max.) | HUC412-2 (Max.) | (22) ¼ x 2 ¼ | (22) ¼ x 1 ¾ | (10) 0.162 x 3 ½ | 1,800 | 5,210 | 1,800 | 5,210 | |
| HU414-2 (Min.) | HUC414-2 (Min.) | (20) ¼ x 2 ¼ | (20) ¼ x 1 ¾ | (8) 0.162 x 3 ½ | 1,795 | 5,210 | 1,795 | 5,210 | |
| HU414-2 (Max.) | HUC414-2 (Max.) | (26) ¼ x 2 ¼ | (26) ¼ x 1 ¾ | (12) 0.162 x 3 ½ | 2,015 | 5,210 | 2,015 | 5,210 | |
| HU88 (Min.) | HUC88 (Min.) | (10) ¼ x 2 ¼ | (10) ¼ x 1 ¾ | (4) 0.162 x 3 ½ | 900 | 2,830 | 900 | 3,100 | |
| HU88 (Max.) | HUC88 (Max.) | (14) ¼ x 2 ¼ | (14) ¼ x 1 ¾ | (6) 0.162 x 3 ½ | 1,345 | 3,960 | 1,345 | 4,340 | |
| HU810 (Min.) | HUC810 (Min.) | (14) ¼ x 2 ¼ | (14) ¼ x 1 ¾ | (6) 0.162 x 3 ½ | 1,345 | 3,960 | 1,345 | 4,340 | |
| HU810 (Max.) | HUC810 (Max.) | (18) ¼ x 2 ¼ | (18) ¼ x 1 ¾ | (8) 0.162 x 3 ½ | 1,795 | 5,095 | 1,795 | 5,210 | |
| HU812 (Min.) | HUC812 (Min.) | (16) ¼ x 2 ¼ | (16) ¼ x 1 ¾ | (6) 0.162 x 3 ½ | 1,345 | 4,530 | 1,345 | 4,960 | |
| HU812 (Max.) | HUC812 (Max.) | (22) ¼ x 2 ¼ | (22) ¼ x 1 ¾ | (10) 0.162 x 3 ½ | 1,800 | 5,210 | 1,800 | 5,210 | |
| HU814 (Min.) | HUC814 (Min.) | (18) ¼ x 2 ¼ | (18) ¼ x 1 ¾ | (8) 0.162 x 3 ½ | 1,795 | 5,095 | 1,795 | 5,210 | |
| HU814 (Max.) | HUC814 (Max.) | (24) ¼ x 2 ¼ | (24) ¼ x 1 ¾ | (12) 0.162 x 3 ½ | 2,015 | 5,210 | 2,015 | 5,210 | |
| HU816 (Min.) | HUC816 (Min.) | (20) ¼ x 2 ¼ | (20) ¼ x 1 ¾ | (8) 0.162 x 3 ½ | 1,795 | 5,210 | 1,795 | 5,210 | |
| HU816 (Max.) | HUC816 (Max.) | (26) ¼ x 2 ¼ | (26) ¼ x 1 ¾ | (12) 0.162 x 3 ½ | 2,015 | 5,210 | 2,015 | 5,210 | |

- Uplift loads have been increased for earthquake or wind loading with no further increase allowed. Reduce where other loads govern.
- Concrete shall have a minimum compressive strength of $f'_c = 2,500$ psi.
- Grout-filled CMU (GFCMU) shall have a minimum compressive strength of $f'_m = 1,500$ psi.
- When only one flange is concealed, specify whether the right or the left is the concealed flange.
- Products shall be installed such that Titen Turbo screws are not exposed to the weather.
- Fasteners:** Nail dimensions are listed diameter by length. Titen Turbo screws are Simpson Strong-Tie concrete and masonry screws (hex-head model required). See pp. 23–24 for fastener information.



Visit app.strongtie.com/hs to access our Hanger Selector web application.