



# NFPA-13 COMPLIANCE NO-DRILL™ HANGERS

- (1.) Both the City Of Los Angeles (COLA) approvals and California Office of Statewide Health Planning and Development (OSHPD) approvals are applicable for us with fire protection piping systems.
- (2.) Per 2016 NFPA-13 Chapter 9, Paragraph 9.1.1.2, Badger No-Drill™ Hangers can be certified by a registered professional engineer for use with other jurisdictional fire protection piping systems.

NFPA-13 vertical support hanger usage references below are based on pipe full of water weight, (times 5, plus 250 pounds). Ultimate test capacities listed for the Badger No-Drill™ Hangers were derived from ANSI/FM 1950 seismic cyclic testing performed by an independent laboratory having accreditation to the ISO Accreditation Standard 17025. Testing was under the responsible charge of an independent California licensed engineer.

- (3.) Sch 40 steel piping No-Drill™ Hanger usage per 2016 NFPA-13 Chapter 9, Paragraph 9.1.1.2:

| Nom. Pipe Size: | Water-Filled Wt. Per Foot: | Max. Spacing: | NFPA-13 Load: | Ult. Test Capacity: | No-Drill™ Hanger Part: | Verco Deck Fitment: |
|-----------------|----------------------------|---------------|---------------|---------------------|------------------------|---------------------|
| 3/4"            | 1.30 lbs.                  | 12 ft.        | 328 lbs.      | 790 lbs.            | NDH38FV-W3             | W3                  |
|                 |                            |               |               | 972 lbs.            | MDH3812                | W2 & W3             |
| 1"              | 2.06 lbs.                  | 12 ft.        | 374 lbs.      | 790 lbs.            | NDH38FV-W3             | W3                  |
|                 |                            |               |               | 972 lbs.            | MDH3812                | W2 & W3             |
| 1-1/4"          | 2.92 lbs.                  | 12 ft.        | 426 lbs.      | 790 lbs.            | NDH38FV-W3             | W3                  |
|                 |                            |               |               | 972 lbs.            | MDH3812                | W2 & W3             |
| 1-1/2"          | 3.60 lbs.                  | 15 ft.        | 520 lbs.      | 790 lbs.            | NDH38FV-W3             | W3                  |
|                 |                            |               |               | 972 lbs.            | MDH3812                | W2 & W3             |
| 2"              | 5.11 lbs.                  | 15 ft.        | 634 lbs.      | 790 lbs.            | NDH38FV-W3             | W3                  |
|                 |                            |               |               | 972 lbs.            | MDH3812                | W2 & W3             |
| 2-1/2"          | 7.87 lbs.                  | 15 ft.        | 841 lbs.      | 972 lbs.            | MDH3812                | W2 & W3             |
|                 |                            |               |               | 2,912 lbs.          | NDH4S-W3               | W3                  |
| 3"              | 10.79 lbs.                 | 15 ft.        | 1,060 lbs.    | 1,613 lbs.          | MDH1258                | W3                  |
|                 |                            |               |               | 2,912 lbs.          | NDH4S-W3               | W3                  |
| 3-1/2"          | 13.40 lbs.                 | 15 ft.        | 1,255 lbs.    | 1,613 lbs.          | MDH1258                | W3                  |
|                 |                            |               |               | 2,912 lbs.          | NDH4S-W3               | W3                  |
| 4"              | 16.32 lbs.                 | 15 ft.        | 1,474 lbs.    | 1,613 lbs.          | MDH1258                | W3                  |
|                 |                            |               |               | 2,912 lbs.          | NDH4S-W3               | W3                  |
| 5"              | 23.30 lbs.                 | 15 ft.        | 1,998 lbs.    | 2,912 lbs.          | NDH4S-W3               | W3                  |
| 6"              | 31.51 lbs.                 | 15 ft.        | 2,614 lbs.    | 2,912 lbs.          | NDH4S-W3               | W3                  |

Note: Above listed Badger No-Drill™ Hanger parts and Verco Deck Fitment sizes are applicable for piping schedules with less than Sch. 40 wall thickness.



# NFPA-13 COMPLIANCE SBC158 BEAM CLAMPS

- (1.) Both the City Of Los Angeles (COLA) approvals and California Office of Statewide Health Planning and Development (OSHPD) approvals are applicable for us with fire protection piping systems.
- (2.) Per 2016 NFPA-13 Chapter 9, Paragraph 9.1.1.2, Badger SBC158 Series Beam Clamps can be certified by a registered professional engineer for use with other jurisdictional fire protection piping systems.

NFPA-13 vertical support hanger usage references below are based on pipe full of water weight, (times 5, plus 250 pounds). Ultimate test capacities listed for the Badger SBC158 Series Beam Clamps were derived from ANSI/FM 1950 seismic cyclic testing performed by an independent laboratory having accreditation to the ISO Accreditation Standard 17025. Testing was under the responsible charge of an independent licensed engineer.

- (3.) Sch 40 steel piping SBC158 Series Beam Clamp hanger usage per 2016 NFPA-13 Chapter 9, Paragraph 9.1.1.2:

| Nom. Pipe Size: | Water-Filled Wt. Per Foot: | Max. Spacing: | NFPA-13 Load: | Ult. Test Capacity: | SBC158 Series Beam Clamp Part:   |
|-----------------|----------------------------|---------------|---------------|---------------------|--|
| 3/4"            | 1.30 lbs.                  | 12 ft.        | 328 lbs.      | 2,915 lbs.          | SBC158,<br>SBC158-C,<br>SBC158L and<br>SBC158L-C<br>compliant for<br>for all listed<br>pipe sizes. |
| 1"              | 2.06 lbs.                  | 12 ft.        | 374 lbs.      | 2,915 lbs.          |  |
| 1-1/4"          | 2.92 lbs.                  | 12 ft.        | 426 lbs.      | 2,915 lbs.          |  |
| 1-1/2"          | 3.60 lbs.                  | 15 ft.        | 520 lbs.      | 2,915 lbs.          |  |
| 2"              | 5.11 lbs.                  | 15 ft.        | 634 lbs.      | 2,915 lbs.          |  |
| 2-1/2"          | 7.87 lbs.                  | 15 ft.        | 841 lbs.      | 2,915 lbs.          |  |
| 3"              | 10.79 lbs.                 | 15 ft.        | 1,060 lbs.    | 2,915 lbs.          |  |
| 3-1/2"          | 13.40 lbs.                 | 15 ft.        | 1,255 lbs.    | 2,915 lbs.          |  |
| 4"              | 16.32 lbs.                 | 15 ft.        | 1,474 lbs.    | 2,915 lbs.          |  |
| 5"              | 23.30 lbs.                 | 15 ft.        | 1,998 lbs.    | 2,915 lbs.          |  |
| 6"              | 31.51 lbs.                 | 15 ft.        | 2,614 lbs.    | 2,915 lbs.          |  |

Note: Above listed Badger SBC158 Series Beam Clamp parts are applicable for piping schedules with less than Sch. 40 wall thickness.