

# Standard Universal Sway Brace



## CERTIFICATIONS



Korea Fire Institute

## FEATURES

Use for both lateral and longitudinal sway brace applications

Snap-off bolt head helps enable easy installation and inspection of seismic sway braces

Works with 1" through 2" brace pipes to reduce inventory

Slotted design grabs service pipe for added gripping strength

Meets NFPA®-13 requirements for seismic sway bracing

Meets CEN/TS 17551:2021 requirements for Seismic Sway Bracing

## SPECIFICATIONS

**Material:** Steel;Cast Iron

**Finish:** Electrogalvanized

Table 1/1

| Catalog Number | Article Number | NB/DN | A | B | Certifications |
|----------------|----------------|-------|---|---|----------------|
|----------------|----------------|-------|---|---|----------------|

|              |        |     |          |         |                                                                          |
|--------------|--------|-----|----------|---------|--------------------------------------------------------------------------|
| CSBSTU0100EG | 404385 | 25  | 174.6 mm | 25 mm   | UL, FM Approved, Seismic, AON Fire Protection, Rigid Seismic, OSHPD, cUL |
| CSBSTU0125EG | 404386 | 32  | 187.4 mm | 25.4 mm | cUL, AON Fire Protection, Rigid Seismic, UL, FM Approved, Seismic, OSHPD |
| CSBSTU0150EG | 404387 | 40  | 196.9 mm | 25.4 mm | OSHPD, AON Fire Protection, Rigid Seismic, cUL, UL, FM Approved, Seismic |
| CSBSTU0200EG | 404388 | 50  | 206.4 mm | 30.2 mm | UL, FM Approved, Seismic, AON Fire Protection, Rigid Seismic, OSHPD, cUL |
| CSBSTU0250EG | 404389 | 65  | 225.4 mm | 30.2 mm | cUL, AON Fire Protection, Rigid Seismic, UL, FM Approved, Seismic, OSHPD |
| CSBSTU0300EG | 404390 | 80  | 238.1 mm | 30.2 mm | OSHPD, AON Fire Protection, Rigid Seismic, cUL, UL, FM Approved, Seismic |
| CSBSTU0400EG | 404391 | 100 | 269.9 mm | 38.1 mm | UL, FM Approved, Seismic, AON Fire Protection, Rigid Seismic, OSHPD, cUL |
| CSBSTU0500EG | 404392 | 125 | 308 mm   | 38.1 mm | cUL, AON Fire Protection, Rigid Seismic, UL, FM Approved, Seismic, OSHPD |
| CSBSTU0600EG | 404393 | 150 | 346.1 mm | 50.8 mm | OSHPD, AON Fire Protection, Rigid Seismic, cUL, UL, FM Approved, Seismic |

|              |        |     |          |         |                                                                                                                    |
|--------------|--------|-----|----------|---------|--------------------------------------------------------------------------------------------------------------------|
| CSBSTU0800EG | 404394 | 200 | 400.1 mm | 50.8 mm | UL, FM Approved, Seismic, AON Fire Protection, Rigid Seismic, Korea Fire Institute, Rigid Seismic, ENG, OSHPD, cUL |
| CSBSTU1000EG | 404395 | 250 | 457.2 mm | 50.8 mm | cUL, AON Fire Protection, Rigid Seismic, Korea Fire Institute, Rigid Seismic, ENG, UL, FM Approved, Seismic, OSHPD |

## ADDITIONAL PRODUCT DETAILS

When installed with Schedule 10 and Schedule 40 Service Pipe, use 1" to 2" Schedule 40 NPS as brace member.

When installed with KS D 3507 and KS D 3562 Service Pipe, use 25A to 32A KS D 3562 as brace member.

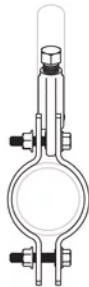
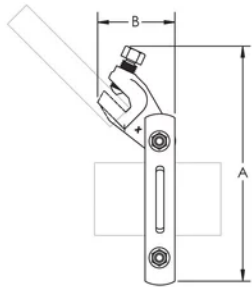
| UL Loads    |                             |                                   |                             |                                   |
|-------------|-----------------------------|-----------------------------------|-----------------------------|-----------------------------------|
| Part Number | Lateral                     |                                   | Longitudinal                |                                   |
|             | Sch 10/ Sch 40 Service Pipe | KS D 3507/ KS D 3562 Service Pipe | Sch 10/ Sch 40 Service Pipe | KS D 3507/ KS D 3562 Service Pipe |
| CSBSTU0250  | 8896 N                      | 8896 N                            | 5782 N                      | 3025 N                            |
| CSBSTU0300  | 7117 N                      | N/A                               | 3114 N                      | N/A                               |
| CSBSTU0400  | 8896 N                      | N/A                               | 5782 N                      | N/A                               |
| CSBSTU0500  | 8896 N                      | N/A                               | 5782 N                      | N/A                               |
| CSBSTU0600  | 4893 N                      | N/A                               | 4893 N                      | N/A                               |
| CSBSTU0800  | 8896 N                      | 8896 N                            | 6094 N                      | 6094 N                            |
| CSBSTU1000  | 8895 N                      | 8896 N                            | 8385 N                      | 8385 N                            |

| FM Loads (EN 10255 L, EN10255 M and EN 10255 H Service Pipes) |                                                          |           |           |           |              |           |           |           |
|---------------------------------------------------------------|----------------------------------------------------------|-----------|-----------|-----------|--------------|-----------|-----------|-----------|
| Part Number                                                   | Horizontal Capacity per Installation Angle from Vertical |           |           |           |              |           |           |           |
|                                                               | Lateral                                                  |           |           |           | Longitudinal |           |           |           |
|                                                               | 30° - 44°                                                | 45° - 59° | 60° - 74° | 75° - 90° | 30° - 44°    | 45° - 59° | 60° - 74° | 75° - 90° |
| CSBSTU0100xx                                                  | 3825 N                                                   | 5425 N    | 6670 N    | 7430 N    | 4315 N       | 3200 N    | 3825 N    | 4270 N    |
| CSBSTU0125xx                                                  | 3825 N                                                   | 5425 N    | 6670 N    | 7430 N    | 4315 N       | 3200 N    | 3825 N    | 4270 N    |
| CSBSTU0150xx                                                  | 3825 N                                                   | 5425 N    | 6670 N    | 7430 N    | 4315 N       | 3200 N    | 3825 N    | 4270 N    |
| CSBSTU0200xx                                                  | 6805 N                                                   | 9610 N    | 11790 N   | 13165 N   | 3870 N       | 3070 N    | 3690 N    | 4136 N    |
| CSBSTU0250xx                                                  | 6805 N                                                   | 9610 N    | 11790 N   | 13165 N   | 3870 N       | 3070 N    | 3690 N    | 4136 N    |
| CSBSTU0300xx                                                  | 6805 N                                                   | 9610 N    | 11790 N   | 13165 N   | 3870 N       | 3070 N    | 3690 N    | 4136 N    |
| CSBSTU0400xx                                                  | 6985 N                                                   | 9875 N    | 12100 N   | 13480 N   | 6895 N       | 6185 N    | 7475 N    | 8320 N    |
| CSBSTU0500xx                                                  | 6985 N                                                   | 9875 N    | 12100 N   | 13480 N   | 6895 N       | 6185 N    | 7475 N    | 8320 N    |
| CSBSTU0600xx                                                  | 8805 N                                                   | 12500 N   | 15300 N   | 17080 N   | 6540 N       | 5205 N    | 6270 N    | 6985 N    |

| FM Loads (4.8 mm wall and EN 10255 H Service Pipes) |                                                          |           |           |           |              |           |           |           |
|-----------------------------------------------------|----------------------------------------------------------|-----------|-----------|-----------|--------------|-----------|-----------|-----------|
| Part Number                                         | Horizontal Capacity per Installation Angle from Vertical |           |           |           |              |           |           |           |
|                                                     | Lateral                                                  |           |           |           | Longitudinal |           |           |           |
|                                                     | 30° - 44°                                                | 45° - 59° | 60° - 74° | 75° - 90° | 30° - 44°    | 45° - 59° | 60° - 74° | 75° - 90° |
| CSBSTU0800xx                                        | 9075 N                                                   | 12855 N   | 15745 N   | 17570 N   | 5340 N       | 7560 N    | 9295 N    | 10365 N   |
| CSBSTU1000xx                                        | 9075 N                                                   | 12855 N   | 15745 N   | 17570 N   | 5340 N       | 7560 N    | 9295 N    | 10365 N   |

| UL Loads (Listed for Restraints) |                            |                            |
|----------------------------------|----------------------------|----------------------------|
| Part Number                      | Lateral                    | Longitudinal               |
|                                  | Sch 10/Sch 40 Service Pipe | Sch 10/Sch 40 Service Pipe |
| CSBSTU0100                       | 2914 N                     | 2914 N                     |
| CSBSTU0125                       | 2914 N                     | 2914 N                     |
| CSBSTU0150                       | 2914 N                     | 2914 N                     |
| CSBSTU0200                       | 2914 N                     | -                          |

## DIAGRAMS



**WARNING**

nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at [www.nvent.com](http://www.nvent.com) and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.

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