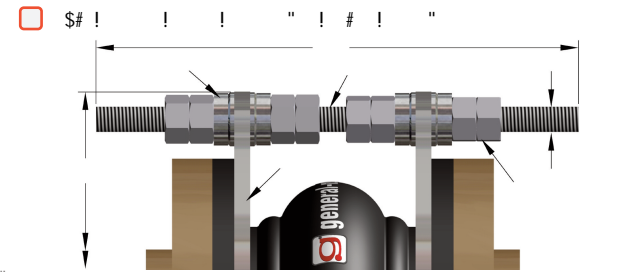
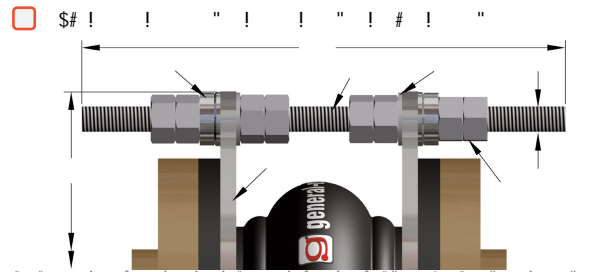
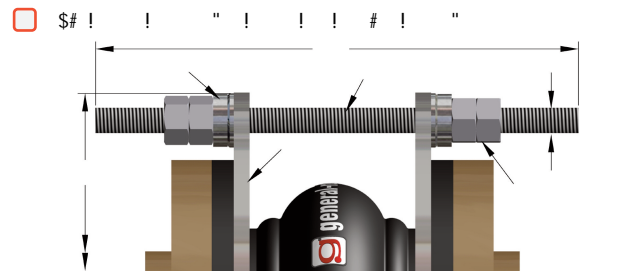
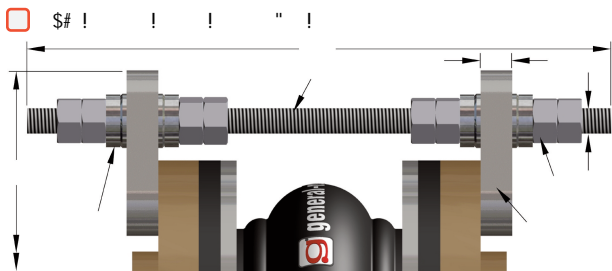
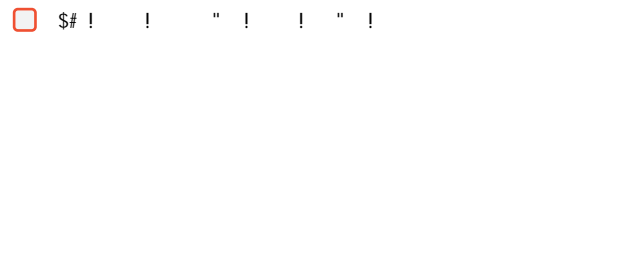
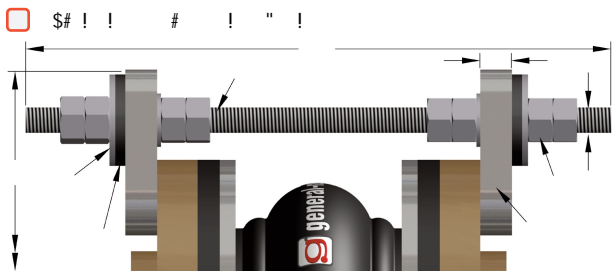
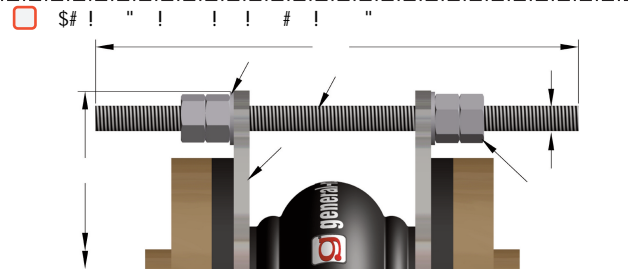
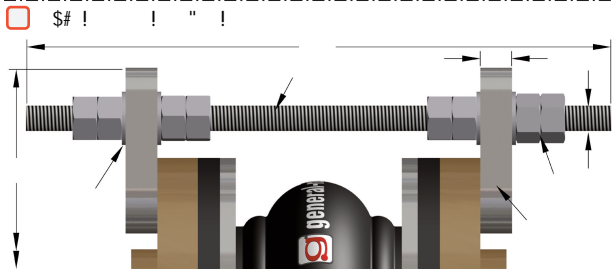
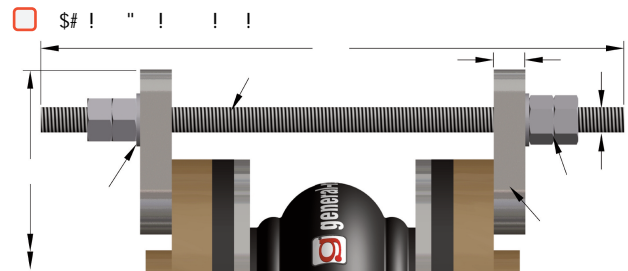
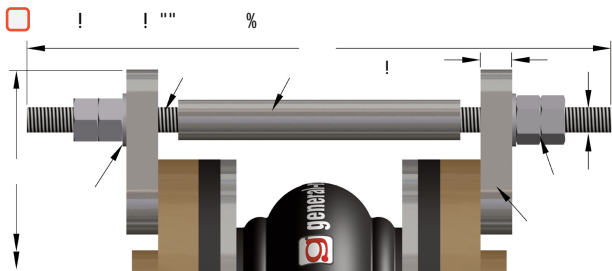
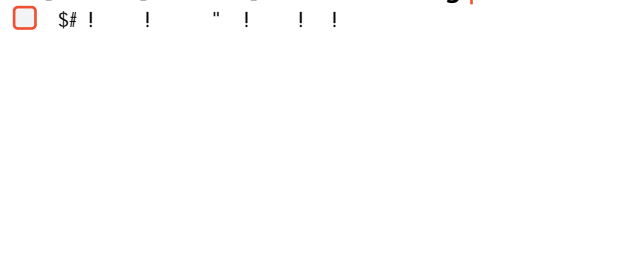
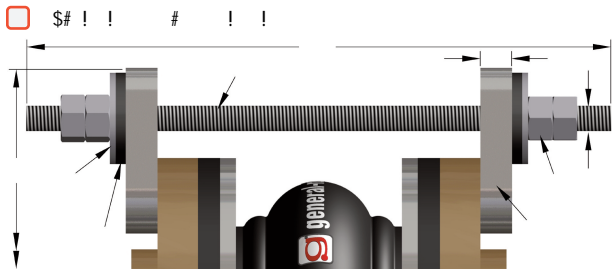


316 Stainless Steel Control Units Data

Sizes 1" [DN25] - 108" [DN2700] - 150-lb Drilling | 0000-0000-4.16





**general
rubber**

800-233-6294

Customer: _____ Date: _____

Job/Project: _____

Ref/Tag: _____

316 Stainless Steel Control Units Data

Sizes 1" [DN25] - 108" [DN2700] - 150-lb Drilling | 0000-0000-4.16

| Pipe Size ID (in) | 2 Rod Set Max Pressure (psi) | 3 Rod Set Max Pressure (psi) | 4 Rod Set Max Pressure (psi) | 5 Rod Set Max Pressure (psi) | 6 Rod Set Max Pressure (psi) | 7 Rod Set Max Pressure (psi) | 8 Rod Set Max Pressure (psi) | 9 Rod Set Max Pressure (psi) | Rod Dia. "H" (in) | Gusset Thk. "J" | | Gusset wt. (lb) | Max Gusset OD "K" (in) | Max Rod Length "G" (in) | Pipe Size ID (in) | | |
|----------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|----------------------|-----------------|------|-----------------|---------------------------|----------------------------|----------------------|----|----|
| | | | | | | | | | | (in) | (mm) | | | | | | |
| 1 | 300 | - | - | - | - | - | - | - | 5/8" | 0.39 | 10 | 0.9 | 8.3 | 16 | 1 | | |
| 1.5 | 300 | - | - | - | - | - | - | - | | 0.39 | 10 | 1.0 | 9.0 | 16 | 1.5 | | |
| 2 | 350 | - | - | - | - | - | - | - | | 0.39 | 10 | 1.4 | 10.0 | 16 | 2 | | |
| 2.5 | 350 | - | - | - | - | - | - | - | | 0.39 | 10 | 1.5 | 11.0 | 16 | 2.5 | | |
| 3 | 350 | - | - | - | - | - | - | - | | | | | 11.5 | 16 | 3.0 | | |
| 4 | 350 | - | - | - | - | - | - | - | | 0.39 | 10 | 1.4 | 13.0 | 16 | 4 | | |
| 5 | 300 | - | - | - | - | - | - | - | | 0.79 | 20 | 3.1 | 14.0 | 16 | 5.0 | | |
| 6 | 250 | - | - | - | - | - | - | - | | | | | 15.1 | 16 | 6 | | |
| 8 | 300 | - | - | - | - | - | - | - | | | | | 17.5 | 16 | 8 | | |
| 10 | 252 | 300 | - | - | - | - | - | - | | 0.79 | 20 | 3.2 | 20.0 | 16 | 10 | | |
| 12 | 175 | 262 | 275 | - | - | - | - | - | | | | | 23.0 | 16 | 12 | | |
| 14 | 190 | 275 | - | - | - | - | - | - | | 0.98 | 25 | 3.8 | 24.1 | 21 | 14 | | |
| 16 | 145 | 218 | 275 | - | - | - | - | - | 0.98 | 25 | 4.3 | 26.8 | 21 | 16 | | | |
| 18 | 115 | 172 | 230 | 275 | - | - | - | - | | | | 28.3 | 21 | 18 | | | |
| 20 | 93 | 139 | 186 | 225 | - | - | - | - | | | | 30.6 | 21 | 20 | | | |
| 22 | 77 | 115 | 154 | 190 | - | - | - | - | | | | 0.98 | 25 | 4.4 | 32.8 | 21 | 22 |
| 24 | 64 | 96 | 129 | 161 | 190 | - | - | - | | | | | | | 35.3 | 21 | 24 |
| 26 | 55 | 82 | 110 | 137 | 165 | 175 | - | - | | | | 37.3 | 21 | 26 | | | |
| 30 | 68 | 102 | 136 | 150 | - | - | - | - | 1.38 | 35 | 5.8 | 42.8 | 29 | 30 | | | |
| 32 | 60 | 90 | 120 | 140 | - | - | - | - | | | | 1.38 | 35 | 7.7 | 46.1 | 29 | 32 |
| 34 | 53 | 79 | 106 | 130 | - | - | - | - | | | | | | | 47.9 | 29 | 34 |
| 36 | 47 | 71 | 94 | 118 | 125 | - | - | - | | | | | | | 50.3 | 29 | 36 |
| 40 | 38 | 57 | 76 | 96 | 115 | 125 | - | - | | | | | | | 54.8 | 29 | 40 |
| 42 | 34 | 52 | 69 | 87 | 104 | 121 | 125 | - | | | | | | | 57.1 | 29 | 42 |
| 48 | 41 | 62 | 83 | 104 | 110 | - | - | - | 1.38 | 35 | 9.3 | | | | 64.3 | 32 | 48 |
| 52 | 35 | 53 | 71 | 89 | 106 | 110 | - | - | | | | 1.38 | 35 | 12.7 | 69.3 | 32 | 52 |
| 54 | 33 | 49 | 66 | 82 | 99 | 110 | - | - | | | | | | | 71.5 | 32 | 54 |
| 56 | 30 | 45 | 61 | 76 | 91 | 107 | 110 | - | | | | | | | 73.9 | 32 | 56 |
| 60 | 26 | 40 | 53 | 67 | 80 | 93 | 107 | 110 | | | | | | | 78.2 | 32 | 60 |
| 62 | 25 | 37 | 50 | 62 | 75 | 87 | 100 | 110 | | | | | | | 80.7 | 32 | 62 |
| 64 | 23 | 35 | 46 | 58 | 70 | 81 | 93 | 105 | | | | | | | 83.0 | 32 | 64 |
| 66 | 22 | 33 | 44 | 55 | 66 | 77 | 88 | 99 | | | | | | | 85.0 | 32 | 66 |
| 72 | 18 | 27 | 37 | 46 | 55 | 65 | 74 | 83 | | | | | | | 91.5 | 32 | 72 |
| 78 | 15 | 23 | 31 | 39 | 47 | 55 | 63 | 71 | | | | | | | 98.0 | 32 | 78 |
| 84 | 17 | 26 | 34 | 43 | 52 | 61 | 69 | 78 | 1.38 | 35 | 15.8 | | | | 105.3 | 35 | 84 |
| 90 | 15 | 22 | 30 | 38 | 45 | 53 | 60 | 68 | | | | 112.1 | 35 | 90 | | | |
| 96 | 13 | 20 | 26 | 33 | 40 | 46 | 53 | 60 | | | | 118.8 | 35 | 96 | | | |
| 102 | 11 | 17 | 23 | 29 | 35 | 41 | 47 | 53 | | | | 125.6 | 35 | 102 | | | |
| 108 | 10 | 15 | 21 | 26 | 31 | 37 | 42 | 47 | 1.38 | 35 | 17.9 | 132.3 | 35 | 108 | | | |

- Maximum Control Unit lengths and diameters, as well as gusset thickness, are meant to assist in determining adequate clearance and mating hardware selection. The values are maximum values and are based on mild steel design. Dimensions will change when using high tensile steel and with different arrangements. Contact General Rubber and request a specific submittal drawing for your job.
- Expansion joints should be installed between anchors. Anchors should be located at changes in pipe direction and guides should be spaced accordingly to industry standards. Piping must be supported so the expansion joints do not carry any pipe weight. Contact General Rubber for more details.
- WARNING:** Control Units (sold separately) must be used when piping is not properly anchored. Number of rods are dependent upon maximum field test pressures. Expansion joints may operate in pipelines carrying fluids at elevated temperatures and pressures, so precaution should be taken to ensure proper installation and regular inspection. Care is required to protect personnel in the event of leakage or splash. Adequate floor drains are always recommended.
- Outer and inner Control Unit gaps are set to a maximum of 1/2 the allowable movements, equal on each side so that the sum does not exceed the allowable movement in any direction.
- Above data are using outside nuts only - example GR/B, W/B, SW/B. For internal hardware & integral design contact General Rubber for control units pressure & data.

Contact General Rubber Corporation for full product specifications, Warnings and installation instructions.