

# GIMBAL SINGLE 3.5-25 BAR

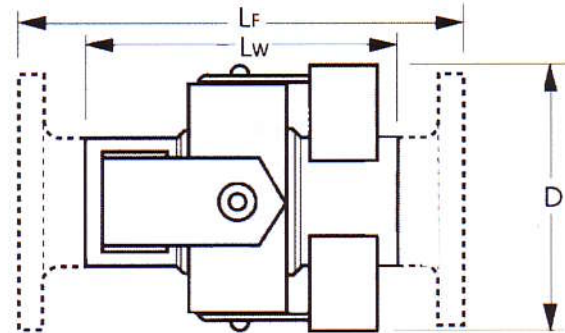


## Specification:

Bellows : Austenitic Stainless Steel  
 Weld End : Carbon Steel Or Stainless Steel  
 Flanges : Carbon Steel BS, ANSI, DIN

## Notes

1. Unit weights are estimated and refer to weld end unit.



| N.B.<br>mm | Press.<br>Deg.<br>Bar g | Movement      |           | Overall length          |                     | Pipe<br>O.D.<br>mm | Thick<br>Dw<br>mm            | Weld<br>end<br>DF<br>mm | Flange<br>end<br>mm | Angular<br>Rate<br>NM/° | Approx.<br>Wt.<br>Kg |
|------------|-------------------------|---------------|-----------|-------------------------|---------------------|--------------------|------------------------------|-------------------------|---------------------|-------------------------|----------------------|
|            |                         | Total<br>Deg. | ±<br>Deg. | Weld<br>end<br>LF<br>mm | Flange<br>end<br>mm |                    |                              |                         |                     |                         |                      |
| 80         | 6                       | 20            | 10        | 360                     | 380                 | 88.9               | To be Specified by Purchaser | 160                     | 190                 | 1.6                     | 6                    |
|            | 10                      | 20            | 10        | 360                     | 380                 | 88.9               |                              | 190                     | 215                 | 1.6                     | 6                    |
|            | 16                      | 20            | 10        | 365                     | 385                 | 88.9               |                              | 190                     | 215                 | 1.6                     | 6.5                  |
|            | 25                      | 20            | 10        | 360                     | 380                 | 88.9               |                              | 205                     | 220                 | 4.3                     | 7                    |
| 100        | 6                       | 20            | 10        | 405                     | 425                 | 114.3              |                              | 170                     | 235                 | 3                       | 8                    |
|            | 10                      | 20            | 10        | 405                     | 425                 | 114.3              |                              | 220                     | 260                 | 3                       | 8                    |
|            | 16                      | 20            | 10        | 415                     | 435                 | 114.3              |                              | 220                     | 260                 | 3                       | 8.5                  |
|            | 25                      | 20            | 10        | 400                     | 420                 | 114.3              |                              | 230                     | 265                 | 6.8                     | 9                    |
| 125        | 6                       | 20            | 10        | 405                     | 425                 | 141.3              |                              | 180                     | 250                 | 5.1                     | 9                    |
|            | 10                      | 20            | 10        | 405                     | 425                 | 141.3              |                              | 240                     | 280                 | 5.1                     | 9                    |
|            | 16                      | 20            | 10        | 415                     | 435                 | 141.3              |                              | 240                     | 280                 | 5.1                     | 9.5                  |
|            | 25                      | 20            | 10        | 400                     | 420                 | 141.3              |                              | 260                     | 285                 | 10.6                    | 10                   |
| 150        | 6                       | 20            | 10        | 460                     | 480                 | 168.3              |                              | 210                     | 280                 | 8.7                     | 10                   |
|            | 10                      | 20            | 10        | 460                     | 480                 | 168.3              |                              | 295                     | 310                 | 8.7                     | 10                   |
|            | 16                      | 20            | 10        | 470                     | 490                 | 168.3              |                              | 295                     | 310                 | 8.7                     | 10.5                 |
|            | 25                      | 20            | 10        | 460                     | 480                 | 168.3              |                              | 305                     | 315                 | 18.9                    | 11                   |
| 200        | 6                       | 20            | 10        | 480                     | 500                 | 219.1              | 265                          | 340                     | 17.2                | 26                      |                      |
|            | 10                      | 20            | 10        | 480                     | 500                 | 219.1              | 365                          | 380                     | 17.2                | 32                      |                      |
|            | 16                      | 20            | 10        | 490                     | 510                 | 219.1              | 365                          | 380                     | 17.2                | 32                      |                      |
|            | 25                      | 20            | 10        | 480                     | 500                 | 219.1              | 380                          | 390                     | 37.6                | 40                      |                      |
| 250        | 6                       | 20            | 10        | 520                     | 540                 | 273                | 380                          | 400                     | 31.4                | 34                      |                      |
|            | 10                      | 20            | 10        | 520                     | 540                 | 273                | 450                          | 450                     | 31.4                | 35                      |                      |
|            | 16                      | 20            | 10        | 530                     | 550                 | 273                | 450                          | 450                     | 31.4                | 39                      |                      |
|            | 25                      | 20            | 10        | 520                     | 540                 | 273                | 460                          | 460                     | 68.5                | 64                      |                      |
| 300        | 3.5                     | 19            | 9.5       | 540                     | 560                 | 323.9              | 505                          | 505                     | 36.9                | 70                      |                      |
|            | 6                       | 19            | 9.5       | 545                     | 565                 | 323.9              | 505                          | 505                     | 73.8                | 85                      |                      |
|            | 10                      | 19            | 9.5       | 545                     | 565                 | 323.9              | 525                          | 540                     | 73.8                | 105                     |                      |
|            | 16                      | 19            | 9.5       | 560                     | 665                 | 323.9              | 525                          | 540                     | 110.7               | 120                     |                      |
|            | 25                      | 19            | 9.5       | 605                     | 685                 | 323.9              | 540                          | 560                     | 229                 | 205                     |                      |



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| N.B.<br>mm | Press.<br>Deg.<br>Bar g | Movement      |           | Overall length          |                     | Pipe<br>O.D.<br>mm | Thick<br>Dw<br>mm            | Weld<br>end<br>DF<br>mm | Flange<br>end<br>mm | Angular<br>Rate<br>NM/° | Approx.<br>Wt.<br>Kg |
|------------|-------------------------|---------------|-----------|-------------------------|---------------------|--------------------|------------------------------|-------------------------|---------------------|-------------------------|----------------------|
|            |                         | Total<br>Deg. | ±<br>Deg. | Weld<br>end<br>LF<br>mm | Flange<br>end<br>mm |                    |                              |                         |                     |                         |                      |
| 350        | 3.5                     | 17            | 8.5       | 540                     | 380                 | 355.6              | To be Specified by Purchaser | 605                     | 670                 | 48.5                    | 90                   |
|            | 6                       | 17            | 8.5       | 595                     | 410                 | 355.6              |                              | 605                     | 670                 | 96.9                    | 120                  |
|            | 10                      | 17            | 8.5       | 595                     | 410                 | 355.6              |                              | 615                     | 680                 | 96.9                    | 205                  |
|            | 16                      | 17            | 8.5       | 660                     | 480                 | 355.6              |                              | 615                     | 680                 | 145                     | 230                  |
|            | 25                      | 17            | 8.5       | 760                     | 940                 | 355.6              |                              | 640                     | 695                 | 298                     | 280                  |
| 400        | 3.5                     | 15            | 7.5       | 590                     | 380                 | 406.4              |                              | 650                     | 720                 | 70.5                    | 105                  |
|            | 6                       | 15            | 7.5       | 645                     | 430                 | 406.4              |                              | 650                     | 720                 | 141                     | 165                  |
|            | 10                      | 15            | 7.5       | 645                     | 430                 | 406.4              |                              | 700                     | 745                 | 141                     | 260                  |
|            | 16                      | 15            | 7.5       | 710                     | 530                 | 406.4              |                              | 700                     | 745                 | 211                     | 285                  |
|            | 25                      | 15            | 7.5       | 805                     | 1020                | 406.4              |                              | 760                     | 790                 | 436                     | 400                  |
| 450        | 3.5                     | 13            | 6.5       | 640                     | 410                 | 457.2              |                              | 740                     | 795                 | 94.5                    | 125                  |
|            | 6                       | 13            | 6.5       | 695                     | 430                 | 457.2              |                              | 740                     | 795                 | 189                     | 190                  |
|            | 10                      | 13            | 6.5       | 695                     | 430                 | 457.2              |                              | 780                     | 810                 | 189                     | 345                  |
|            | 16                      | 13            | 6.5       | 760                     | 560                 | 457.2              |                              | 780                     | 810                 | 283                     | 435                  |
|            | 25                      | 13            | 6.5       | 860                     | 1050                | 457.2              |                              | 825                     | 865                 | 601                     | 525                  |
| 500        | 3.5                     | 12            | 6         | 690                     | 410                 | 508                |                              | 805                     | 860                 | 134                     | 150                  |
|            | 6                       | 12            | 6         | 745                     | 455                 | 508                |                              | 805                     | 860                 | 268                     | 255                  |
|            | 10                      | 12            | 6         | 745                     | 480                 | 508                |                              | 825                     | 915                 | 268                     | 420                  |
|            | 16                      | 12            | 6         | 810                     | 630                 | 508                |                              | 825                     | 915                 | 401                     | 525                  |
|            | 25                      | 12            | 6         | 905                     | 1070                | 508                |                              | 895                     | 950                 | 830                     | 710                  |
| 600        | 3.5                     | 10            | 5         | 740                     | 430                 | 609.6              |                              | 860                     | 985                 | 226                     | 190                  |
|            | 6                       | 10            | 5         | 795                     | 505                 | 609.6              |                              | 915                     | 1005                | 451                     | 340                  |
|            | 10                      | 10            | 5         | 795                     | 560                 | 609.6              |                              | 940                     | 1020                | 451                     | 610                  |
|            | 16                      | 10            | 5         | 860                     | 1020                | 609.6              |                              | 980                     | 1020                | 677                     | 805                  |
|            | 25                      | 10            | 5         | 905                     | 1070                | 609.6              |                              | 1010                    | 1030                | 1395                    | 830                  |
| 700        | 3.5                     | 9             | 4.5       | 805                     | 430                 | 711.2              | 970                          | 1005                    | 438                 | 215                     |                      |
|            | 6                       | 9             | 4.5       | 870                     | 580                 | 711.2              | 1020                         | 1120                    | 876                 | 445                     |                      |
|            | 10                      | 9             | 4.5       | 870                     | 810                 | 711.2              | 1060                         | 1138                    | 876                 | 870                     |                      |
|            | 16                      | 9             | 4.5       | 930                     | 1120                | 711.2              | 1140                         | 1160                    | 1314                | 1045                    |                      |
| 750        | 3.5                     | 9             | 4.5       | 805                     | 460                 | 762                | 1030                         | 1135                    | 515                 | 240                     |                      |
|            | 6                       | 9             | 4.5       | 870                     | 640                 | 762                | 1095                         | 1145                    | 1030                | 560                     |                      |
|            | 10                      | 9             | 4.5       | 870                     | 840                 | 762                | 1145                         | 1160                    | 1030                | 1165                    |                      |
|            | 16                      | 9             | 4.5       | 930                     | 1130                | 762                | 1215                         | 1225                    | 1545                | 1490                    |                      |
| 800        | 3.5                     | 8             | 4         | 855                     | 520                 | 812.8              | 1085                         | 1140                    | 643                 | 310                     |                      |
|            | 6                       | 8             | 4         | 920                     | 850                 | 812.8              | 1150                         | 1165                    | 1286                | 665                     |                      |
|            | 10                      | 8             | 4         | 920                     | 900                 | 812.8              | 1210                         | 1225                    | 1286                | 1285                    |                      |
|            | 16                      | 8             | 4         | 980                     | 1240                | 812.8              | 1310                         | 1335                    | 1930                | 1310                    |                      |
| 900        | 3.5                     | 7             | 3.5       | 855                     | 620                 | 914.4              | 1205                         | 1305                    | 903                 | 385                     |                      |
|            | 6                       | 7             | 3.5       | 920                     | 930                 | 914.4              | 1260                         | 1320                    | 1805                | 890                     |                      |
|            | 10                      | 7             | 3.5       | 920                     | 1020                | 914.4              | 1330                         | 1345                    | 1805                | 1695                    |                      |
|            | 16                      | 7             | 3.5       | 980                     | 1270                | 914.4              | 1405                         | 1420                    | 2708                | 1880                    |                      |

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|------------|-------------------------|---------------|-----------|-------------------------|---------------------|--------------------|------------------------------|-------------------------|---------------------|-------------------------|----------------------|
|            |                         | Total<br>Deg. | ±<br>Deg. | Weld<br>end<br>LF<br>mm | Flange<br>end<br>mm |                    |                              |                         |                     |                         |                      |
| 1000       | 3.5                     | 6             | 3         | 905                     | 970                 | 1016               | To be Specified by Purchaser | 1365                    | 1385                | 2897                    | 465                  |
|            | 6                       | 6             | 3         | 970                     | 1070                | 1016               |                              | 1405                    | 1430                | 2443                    | 995                  |
|            | 10                      | 6             | 3         | 970                     | 1210                | 1016               |                              | 1465                    | 1480                | 2443                    | 2430                 |
| 1050       | 3.5                     | 6             | 3         | 905                     | 1070                | 1065               |                              | 1430                    | 1445                | 3114                    | 490                  |
|            | 6                       | 6             | 3         | 970                     | 1070                | 1065               |                              | 1475                    | 1490                | 2631                    | 1045                 |
|            | 10                      | 6             | 3         | 970                     | 1230                | 1065               |                              | 1530                    | 1555                | 2631                    | 2705                 |
| 1100       | 3.5                     | 6             | 3         | 955                     | 1120                | 1120               |                              | 1505                    | 1525                | 3817                    | 560                  |
|            | 6                       | 6             | 3         | 1020                    | 1120                | 1120               |                              | 1540                    | 1555                | 3217                    | 1125                 |
|            | 10                      | 6             | 3         | 1020                    | 1230                | 1120               |                              | 1620                    | 1635                | 3217                    | 2945                 |
| 1200       | 3.5                     | 5             | 2.5       | 955                     | 1140                | 1220               |                              | 1600                    | 1620                | 4935                    | 680                  |
|            | 6                       | 5             | 2.5       | 1020                    | 1140                | 1220               |                              | 1675                    | 1690                | 4161                    | 1325                 |
|            | 10                      | 5             | 2.5       | 1020                    | 1290                | 1220               |                              | 1800                    | 1815                | 4161                    | 3400                 |