



# MYMACO

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## **CONEXIONES Y PIEZAS ESPECIALES DE FIERRO PARA AGUA POTABLE Y ALCANTARILLADO CON LOS MODELOS ORIGINALES MYMACO**



**RESPALDO Y GARANTÍA RUD**

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**Blvd. Nazario S. Ortiz Garza # 3714 Tels. (844) 416-8002 y 415-6423 Saltillo Coah.**



# CONEXIONES MYMACO Y VÁLVULAS RUD



## CONEXIONES MYMACO FABRICADAS SEGUN ESTANDAR AWWA C-110

### INDICE DE PRODUCTOS

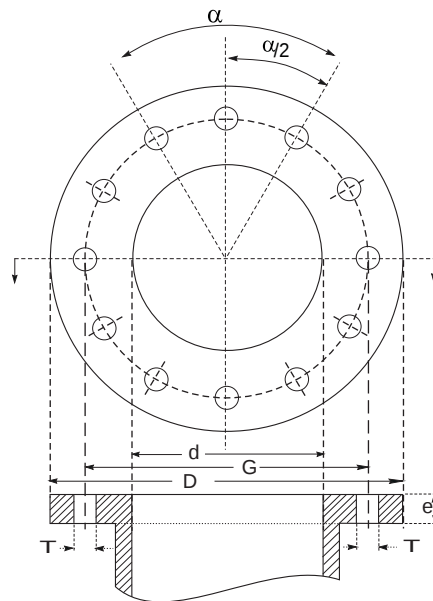
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**Blvd. Nazario S. Ortiz Garza # 3714 (844) 415-6423 y 416-8002**  
**Saltillo Coahuila 25210 Mexico**



## ESPECIFICACIONES DE BRIDAS NORMA ASME/ANSI B-16.1

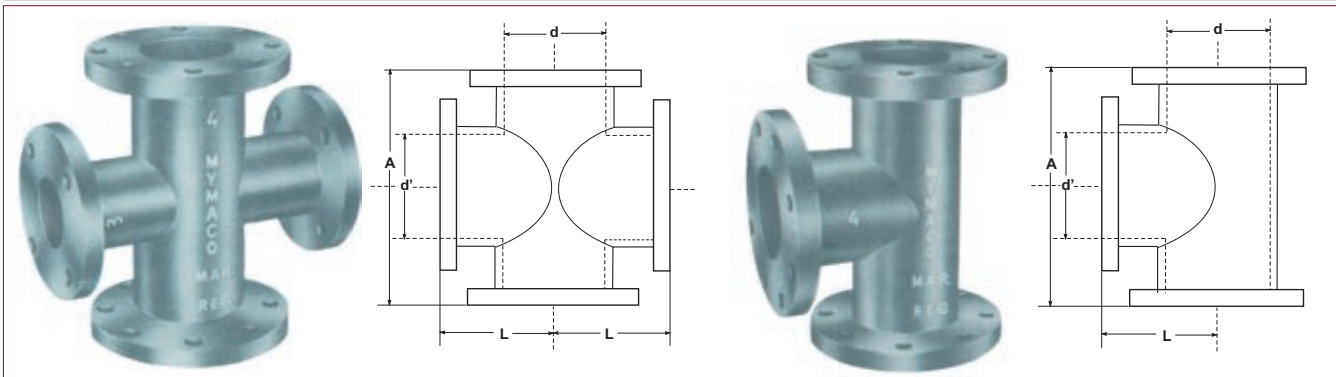


## ESPECIFICACIONES SEGÚN ASME ANSI B16.1

| DIÁMETRO NOMINAL<br>d |                 | DIÁMETRO Exterior de BRIDAS<br>D |                  | ESPESOR MÍNIMO DE BRIDA<br>e |                   | DIÁMETRO LÍNEA GRAMIL<br>G |                  | PLANTILLA PARA CENTROS DE BARRENOS |            | DIÁMETRO BARRENOS<br>T |                 | DIÁMETRO DE LOS TORNILLOS |                 | LONGITUD DE LOS TORNILLOS |                 | # de TORNILLOS |
|-----------------------|-----------------|----------------------------------|------------------|------------------------------|-------------------|----------------------------|------------------|------------------------------------|------------|------------------------|-----------------|---------------------------|-----------------|---------------------------|-----------------|----------------|
| mm                    | plg             | mm                               | plg              | mm                           | plg               | mm                         | plg              | $\alpha$                           | $\alpha/2$ | mm                     | plg             | mm                        | plg             | mm                        | plg             | Piezas         |
| 50.8                  | 2               | 152.4                            | 6                | 15.9                         | $\frac{5}{8}$     | 120.7                      | 4 $\frac{3}{4}$  | 90°                                | 45°        | 19.1                   | $\frac{3}{4}$   | 15.9                      | $\frac{5}{8}$   | 63.5                      | 2 $\frac{1}{2}$ | 4              |
| 63.5                  | 2 $\frac{1}{2}$ | 177.5                            | 7                | 17.5                         | $\frac{11}{16}$   | 139.7                      | 5 $\frac{1}{2}$  | 90.                                | 45°        | 19.1                   | $\frac{3}{4}$   | 15.9                      | $\frac{5}{8}$   | 63.5                      | 2 $\frac{1}{2}$ | 4              |
| 76.2                  | 3               | 190.5                            | 7 $\frac{1}{2}$  | 19.1                         | $\frac{3}{4}$     | 152.4                      | 6                | 90.                                | 45°        | 19.1                   | $\frac{3}{4}$   | 15.9                      | $\frac{5}{8}$   | 63.5                      | 2 $\frac{1}{2}$ | 4              |
| 101.6                 | 4               | 228.6                            | 9                | 23.8                         | $\frac{15}{16}$   | 190.5                      | 7 $\frac{1}{2}$  | 45°                                | 22°30'     | 19.1                   | $\frac{3}{4}$   | 15.9                      | $\frac{5}{8}$   | 76.2                      | 3               | 8              |
| 152.4                 | 6               | 279.4                            | 11               | 25.4                         | 1                 | 241.3                      | 9 $\frac{1}{2}$  | 45°                                | 22°30'     | 22.2                   | $\frac{7}{8}$   | 19.1                      | $\frac{3}{4}$   | 88.9                      | 3 $\frac{1}{2}$ | 8              |
| 203.2                 | 8               | 342.9                            | 13 $\frac{1}{2}$ | 28.6                         | 1 $\frac{1}{8}$   | 298.5                      | 11 $\frac{3}{4}$ | 45°                                | 22°30'     | 22.2                   | $\frac{7}{8}$   | 19.1                      | $\frac{3}{4}$   | 88.9                      | 3 $\frac{1}{2}$ | 8              |
| 254.0                 | 10              | 406.4                            | 16               | 30.2                         | 1 $\frac{3}{16}$  | 362.0                      | 14 $\frac{1}{4}$ | 30°                                | 15°        | 25.4                   | 1               | 22.2                      | $\frac{7}{8}$   | 88.9                      | 3 $\frac{1}{2}$ | 12             |
| 304.8                 | 12              | 486.2                            | 19               | 31.8                         | 1 $\frac{1}{4}$   | 431.8                      | 17               | 30°                                | 15°        | 25.4                   | 1               | 22.2                      | $\frac{7}{8}$   | 101.6                     | 4               | 12             |
| 355.6                 | 14              | 533.4                            | 21               | 34.9                         | 1 $\frac{3}{8}$   | 476.3                      | 18 $\frac{3}{4}$ | 30°                                | 15°        | 28.6                   | 1 $\frac{1}{8}$ | 25.4                      | 1               | 114.3                     | 4 $\frac{1}{2}$ | 12             |
| 406.4                 | 16              | 596.9                            | 23 $\frac{1}{2}$ | 36.5                         | 1 $\frac{7}{16}$  | 539.8                      | 21 $\frac{1}{4}$ | 22°30'                             | 11°15'     | 28.6                   | 1 $\frac{1}{8}$ | 25.4                      | 1               | 114.3                     | 4 $\frac{1}{2}$ | 16             |
| 457.2                 | 18              | 635.0                            | 25               | 39.7                         | 1 $\frac{9}{16}$  | 577.9                      | 22 $\frac{3}{4}$ | 22°30'                             | 11°15'     | 31.8                   | 1 $\frac{1}{4}$ | 28.6                      | 1 $\frac{1}{8}$ | 114.3                     | 4 $\frac{1}{2}$ | 16             |
| 508.0                 | 20              | 698.5                            | 27 $\frac{1}{2}$ | 42.9                         | 1 $\frac{11}{16}$ | 635.0                      | 25               | 18°                                | 9°         | 31.8                   | 1 $\frac{1}{4}$ | 28.6                      | 1 $\frac{1}{8}$ | 127.0                     | 5               | 20             |
| 609.6                 | 24              | 812.8                            | 32               | 47.6                         | 1 $\frac{7}{8}$   | 749.3                      | 29 $\frac{1}{2}$ | 18°                                | 9°         | 34.9                   | 1 $\frac{3}{8}$ | 31.8                      | 1 $\frac{1}{4}$ | 139.7                     | 5 $\frac{1}{2}$ | 20             |
| 762.0                 | 30              | 984.3                            | 38 $\frac{3}{4}$ | 54.0                         | 2 $\frac{1}{8}$   | 914.4                      | 36               | 12°51'26"                          | 6°25'43"   | 34.9                   | 1 $\frac{3}{8}$ | 31.8                      | 1 $\frac{1}{4}$ | 152.4                     | 6 $\frac{1}{2}$ | 28             |
| 914.4                 | 36              | 1168.4                           | 46               | 60.3                         | 2 $\frac{3}{8}$   | 1085.9                     | 42 $\frac{3}{4}$ | 11°15'                             | 5°37'30"   | 41.3                   | 1 $\frac{5}{8}$ | 38.1                      | 1 $\frac{1}{2}$ | 177.8                     | 7               | 32             |
| 1066.8                | 42              | 1346.2                           | 53               | 66.7                         | 2 $\frac{5}{8}$   | 1257.3                     | 49 $\frac{1}{2}$ | 10°                                | 5°         | 41.3                   | 1 $\frac{5}{8}$ | 38.1                      | 1 $\frac{1}{2}$ | 190.5                     | 7 $\frac{1}{2}$ | 36             |
| 1219.2                | 48              | 1511.3                           | 59 $\frac{1}{2}$ | 69.9                         | 2 $\frac{3}{4}$   | 1422.4                     | 56               | 8°10'54.5"                         | 4°5'27.25" | 41.3                   | 1 $\frac{5}{8}$ | 38.1                      | 1 $\frac{1}{2}$ | 203.2                     | 8               | 44             |



## CRUCES Y TEES



## ESPECIFICACIONES SEGUN AWWA C-110

| DIÁMETRO NOMINAL |       |               | DISTANCIAS |       |       |     | ESPESOR DE LA PARED |       |             |       | PESO APROX. |      |
|------------------|-------|---------------|------------|-------|-------|-----|---------------------|-------|-------------|-------|-------------|------|
| d                | d'    | d x d'        | L          |       | A     |     | DIAM. MAYOR         |       | DIAM. MENOR |       | TES         | CRUZ |
| mm               | mm    | plg           | mm         | plg   | mm    | plg | mm                  | plg   | mm          | plg   | kg          | kg   |
| 50.8             | 50.8  | 2 x 2         | 114.3      | 4 1/2 | 228.6 | 9   | 11.1                | 7/16  | 11.1        | 7/16  | 10          | 12   |
| 63.5             | 50.8  | 2 1/2 x 2     | 127.0      | 5     | 254.0 | 10  | 11.1                | 7/16  | 11.1        | 7/16  | 12          | 15   |
| 63.5             | 63.5  | 2 1/2 x 2 1/2 | 127.0      | 5     | 254.0 | 10  | 11.1                | 7/16  | 11.1        | 7/16  | 13          | 17   |
| 76.2             | 50.8  | 3 x 2         | 139.7      | 5 1/2 | 279.4 | 11  | 11.1                | 7/16  | 11.1        | 7/16  | 15          | 18   |
| 76.2             | 63.5  | 3 x 2 1/2     | 139.7      | 5 1/2 | 279.4 | 11  | 11.1                | 7/16  | 11.1        | 7/16  | 16          | 19   |
| 76.2             | 76.2  | 3 x 3         | 139.7      | 5 1/2 | 279.4 | 11  | 11.1                | 7/16  | 11.1        | 7/16  | 17          | 21   |
| 101.6            | 50.8  | 4 x 2         | 165.1      | 6 1/2 | 330.2 | 13  | 12.7                | 1/2   | 11.1        | 7/16  | 23          | 26   |
| 101.6            | 63.5  | 4 x 2 1/2     | 165.1      | 6 1/2 | 330.2 | 13  | 12.7                | 1/2   | 11.1        | 7/16  | 24          | 28   |
| 101.6            | 76.2  | 4 x 3         | 165.1      | 6 1/2 | 330.2 | 13  | 12.7                | 1/2   | 11.1        | 7/16  | 25          | 29   |
| 101.6            | 101.6 | 4 x 4         | 165.1      | 6 1/2 | 330.2 | 13  | 12.7                | 1/2   | 12.7        | 1/2   | 28          | 35   |
| 152.4            | 50.8  | 6 x 2         | 203.2      | 8     | 406.4 | 16  | 14.3                | 9/16  | 11.1        | 7/16  | 37          | 40   |
| 152.4            | 63.5  | 6 x 2 1/2     | 203.2      | 8     | 406.4 | 16  | 14.3                | 9/16  | 11.1        | 7/16  | 38          | 42   |
| 152.4            | 76.2  | 6 x 3         | 203.2      | 8     | 406.4 | 16  | 14.3                | 9/16  | 11.1        | 7/16  | 39          | 43   |
| 152.4            | 101.6 | 6 x 4         | 203.2      | 8     | 406.4 | 16  | 14.3                | 9/16  | 12.7        | 1/2   | 42          | 49   |
| 152.4            | 152.4 | 6 x 6         | 203.2      | 8     | 406.4 | 16  | 14.3                | 9/16  | 14.3        | 9/16  | 45          | 57   |
| 203.2            | 63.5  | 8 x 2 1/2     | 228.6      | 9     | 457.2 | 18  | 15.9                | 5/8   | 11.1        | 7/16  | 59          | 64   |
| 203.2            | 76.2  | 8 x 3         | 228.6      | 9     | 457.2 | 18  | 15.9                | 5/8   | 11.1        | 7/16  | 60          | 65   |
| 203.2            | 101.6 | 8 x 4         | 228.6      | 9     | 457.2 | 18  | 15.9                | 5/8   | 12.7        | 1/2   | 63          | 71   |
| 203.2            | 152.4 | 8 x 6         | 228.6      | 9     | 457.2 | 18  | 15.9                | 5/8   | 14.3        | 9/16  | 66          | 77   |
| 203.2            | 203.2 | 8 x 8         | 228.6      | 9     | 457.2 | 18  | 15.9                | 5/8   | 15.9        | 5/8   | 72          | 88   |
| 254.0            | 63.5  | 10 x 2 1/2    | 279.4      | 11    | 558.8 | 22  | 19.1                | 3/4   | 11.1        | 7/16  | 95          | 100  |
| 254.0            | 76.2  | 10 x 3        | 279.4      | 11    | 558.8 | 22  | 19.1                | 3/4   | 11.1        | 7/16  | 96          | 101  |
| 254.0            | 101.6 | 10 x 4        | 279.4      | 11    | 558.8 | 22  | 19.1                | 3/4   | 12.7        | 1/2   | 99          | 108  |
| 254.0            | 152.4 | 10 x 6        | 279.4      | 11    | 558.8 | 22  | 19.1                | 3/4   | 14.3        | 9/16  | 103         | 115  |
| 254.0            | 203.2 | 10 x 8        | 279.4      | 11    | 558.8 | 22  | 19.1                | 3/4   | 15.9        | 5/8   | 108         | 127  |
| 254.0            | 254.0 | 10 x 10       | 279.4      | 11    | 558.8 | 22  | 19.1                | 3/4   | 19.1        | 3/4   | 115         | 140  |
| 304.8            | 76.2  | 12 x 3        | 304.8      | 12    | 609.6 | 24  | 20.6                | 13/16 | 11.1        | 7/16  | 138         | 141  |
| 304.8            | 101.6 | 12 x 4        | 304.8      | 12    | 609.6 | 24  | 20.6                | 13/16 | 12.7        | 1/2   | 142         | 148  |
| 304.8            | 152.4 | 12 x 6        | 304.8      | 12    | 609.6 | 24  | 20.6                | 13/16 | 14.3        | 9/16  | 148         | 155  |
| 304.8            | 203.2 | 12 x 8        | 304.8      | 12    | 609.6 | 24  | 20.6                | 13/16 | 15.9        | 5/8   | 155         | 167  |
| 304.8            | 254.0 | 12 x 10       | 304.8      | 12    | 609.6 | 24  | 20.6                | 13/16 | 19.1        | 3/4   | 164         | 180  |
| 304.8            | 304.8 | 12 x 12       | 304.8      | 12    | 609.6 | 24  | 20.6                | 13/16 | 20.6        | 13/16 | 174         | 198  |
| 355.6            | 76.2  | 14 x 3        | 355.6      | 14    | 711.2 | 28  | 22.2                | 7/8   | 11.1        | 7/16  | 193         | 199  |
| 355.6            | 101.6 | 14 x 4        | 355.6      | 14    | 711.2 | 28  | 22.2                | 7/8   | 12.7        | 1/2   | 197         | 203  |
| 355.6            | 152.4 | 14 x 6        | 355.6      | 14    | 711.2 | 28  | 22.2                | 7/8   | 14.3        | 9/16  | 204         | 211  |
| 355.6            | 203.2 | 14 x 8        | 355.6      | 14    | 711.2 | 28  | 22.2                | 7/8   | 15.9        | 5/8   | 212         | 224  |
| 355.6            | 254.0 | 14 x 10       | 355.6      | 14    | 711.2 | 28  | 22.2                | 7/8   | 19.1        | 3/4   | 223         | 239  |
| 355.6            | 304.8 | 14 x 12       | 355.6      | 14    | 711.2 | 28  | 22.2                | 7/8   | 20.6        | 13/16 | 235         | 259  |
| 355.6            | 355.6 | 14 x 14       | 355.6      | 14    | 711.2 | 28  | 22.2                | 7/8   | 22.2        | 7/8   | 245         | 274  |
| 406.4            | 101.6 | 16 x 4        | 381.0      | 15    | 762.0 | 30  | 25.4                | 1     | 12.7        | 1/2   | 253         | 261  |
| 406.4            | 152.4 | 16 x 6        | 381.0      | 15    | 762.0 | 30  | 25.4                | 1     | 14.3        | 9/16  | 256         | 268  |
| 406.4            | 203.2 | 16 x 8        | 381.0      | 15    | 762.0 | 30  | 25.4                | 1     | 15.9        | 5/8   | 262         | 279  |
| 406.4            | 254.0 | 16 x 10       | 381.0      | 15    | 762.0 | 30  | 25.4                | 1     | 19.1        | 3/4   | 268         | 292  |
| 406.4            | 304.8 | 16 x 12       | 381.0      | 15    | 762.0 | 30  | 25.4                | 1     | 20.6        | 13/16 | 278         | 312  |
| 406.4            | 355.6 | 16 x 14       | 381.0      | 15    | 762.0 | 30  | 25.4                | 1     | 22.2        | 7/8   | 285         | 326  |



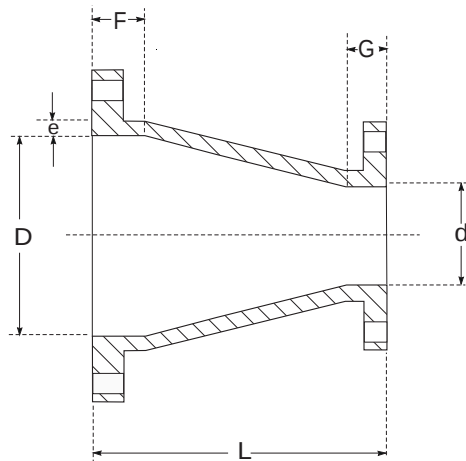
## CRUCES Y TES

### ESPECIFICACIONES SEGUN AWWA C-110

| DIÁMETRO NOMINAL |       |         | DISTANCIAS |        |        |     | ESPESOR DE LA PARED |        |             |        | PESO APROX. |      |
|------------------|-------|---------|------------|--------|--------|-----|---------------------|--------|-------------|--------|-------------|------|
| d                | d'    | d x d'  | L          |        | A      |     | DIAM. MAYOR         |        | DIAM. MENOR |        | TES         | CRUZ |
| mm               | mm    | plg     | mm         | plg    | mm     | plg | mm                  | plg    | mm          | plg    | kg          | kg   |
| 406.4            | 406.4 | 16 x 16 | 381.0      | 15     | 762.0  | 30  | 25.4                | 1      | 25.4        | 1      | 298         | 352  |
| 457.2            | 101.6 | 18 x 4  | 393.7      | 15 1/2 | 660.4  | 26  | 27.0                | 1 1/16 | 12.7        | 1/2    | 313         | 322  |
| 457.2            | 152.4 | 18 x 6  | 393.7      | 15 1/2 | 660.4  | 26  | 27.0                | 1 1/16 | 14.3        | 9/16   | 316         | 328  |
| 457.2            | 203.2 | 18 x 8  | 393.7      | 15 1/2 | 660.4  | 26  | 27.0                | 1 1/16 | 15.9        | 5/8    | 322         | 340  |
| 457.2            | 254.0 | 18 x 10 | 393.7      | 15 1/2 | 660.4  | 26  | 27.0                | 1 1/16 | 19.1        | 3/4    | 329         | 354  |
| 457.2            | 304.8 | 18 x 12 | 393.7      | 15 1/2 | 660.4  | 26  | 27.0                | 1 1/16 | 20.6        | 13/16  | 339         | 376  |
| 457.2            | 355.6 | 18 x 14 | 419.1      | 16 1/2 | 838.2  | 33  | 27.0                | 1 1/16 | 22.2        | 7/8    | 346         | 387  |
| 457.2            | 406.4 | 18 x 16 | 419.1      | 16 1/2 | 838.2  | 33  | 27.0                | 1 1/16 | 25.4        | 1      | 359         | 413  |
| 457.2            | 457.2 | 18 x 18 | 419.1      | 16 1/2 | 838.2  | 33  | 27.0                | 1 1/16 | 27.0        | 1 1/16 | 365         | 425  |
| 508.0            | 101.6 | 20 x 4  | 431.8      | 17     | 711.2  | 28  | 28.6                | 1 1/8  | 12.7        | 1/2    | 398         | 407  |
| 508.0            | 152.4 | 20 x 6  | 431.8      | 17     | 711.2  | 28  | 28.6                | 1 1/8  | 14.3        | 9/16   | 402         | 414  |
| 508.0            | 203.2 | 20 x 8  | 431.8      | 17     | 711.2  | 28  | 28.6                | 1 1/8  | 15.9        | 5/8    | 407         | 426  |
| 508.0            | 254.0 | 20 x 10 | 431.8      | 17     | 711.2  | 28  | 28.6                | 1 1/8  | 19.1        | 3/4    | 415         | 440  |
| 508.0            | 304.8 | 20 x 12 | 431.8      | 17     | 711.2  | 28  | 28.6                | 1 1/8  | 20.6        | 13/16  | 424         | 459  |
| 508.0            | 355.6 | 20 x 14 | 431.8      | 17     | 711.2  | 28  | 28.6                | 1 1/8  | 22.2        | 7/8    | 432         | 474  |
| 508.0            | 406.4 | 20 x 16 | 457.2      | 18     | 914.4  | 36  | 28.6                | 1 1/8  | 25.4        | 1      | 444         | 499  |
| 508.0            | 457.2 | 20 x 18 | 457.2      | 18     | 914.4  | 36  | 28.6                | 1 1/8  | 27.0        | 1 1/16 | 450         | 511  |
| 508.0            | 508.0 | 20 x 20 | 457.2      | 18     | 914.4  | 36  | 28.6                | 1 1/8  | 28.6        | 1 1/8  | 465         | 540  |
| 609.6            | 101.6 | 24 x 4  | 482.6      | 19     | 762.0  | 30  | 31.8                | 1 1/4  | 12.7        | 1/2    | 626         | 637  |
| 609.6            | 152.4 | 24 x 6  | 482.6      | 19     | 762.0  | 30  | 31.8                | 1 1/4  | 14.3        | 9/16   | 631         | 649  |
| 609.6            | 203.2 | 24 x 8  | 482.6      | 19     | 762.0  | 30  | 31.8                | 1 1/4  | 15.9        | 5/8    | 640         | 665  |
| 609.6            | 254.0 | 24 x 10 | 482.6      | 19     | 762.0  | 30  | 31.8                | 1 1/4  | 19.1        | 3/4    | 650         | 685  |
| 609.6            | 304.8 | 24 x 12 | 482.6      | 19     | 762.0  | 30  | 31.8                | 1 1/4  | 20.6        | 13/16  | 662         | 709  |
| 609.6            | 355.6 | 24 x 14 | 482.6      | 19     | 762.0  | 30  | 31.8                | 1 1/4  | 22.2        | 7/8    | 672         | 730  |
| 609.6            | 406.4 | 24 x 16 | 482.6      | 19     | 762.0  | 30  | 31.8                | 1 1/4  | 25.4        | 1      | 686         | 758  |
| 609.6            | 457.2 | 24 x 18 | 558.8      | 22     | 1117.6 | 44  | 31.8                | 1 1/4  | 27.0        | 1 1/16 | 693         | 773  |
| 609.6            | 508.0 | 24 x 20 | 558.8      | 22     | 1117.6 | 44  | 31.8                | 1 1/4  | 28.6        | 1 1/8  | 714         | 800  |
| 609.6            | 609.6 | 24 x 24 | 558.8      | 22     | 1117.6 | 44  | 31.8                | 1 1/4  | 31.8        | 1 1/4  | 731         | 848  |
| 762.0            | 101.6 | 30 x 4  | 584.2      | 23     | 914.4  | 36  | 36.5                | 1 7/16 | 12.7        | 1/2    | 994         | 1005 |
| 762.0            | 152.4 | 30 x 6  | 584.2      | 23     | 914.4  | 36  | 36.5                | 1 7/16 | 14.3        | 9/16   | 999         | 1016 |
| 762.0            | 203.2 | 30 x 8  | 584.2      | 23     | 914.4  | 36  | 36.5                | 1 7/16 | 15.9        | 5/8    | 1007        | 1032 |
| 762.0            | 254.0 | 30 x 10 | 584.2      | 23     | 914.4  | 36  | 36.5                | 1 7/16 | 19.1        | 3/4    | 1017        | 1052 |
| 762.0            | 304.8 | 30 x 12 | 584.2      | 23     | 914.4  | 36  | 36.5                | 1 7/16 | 20.6        | 13/16  | 1029        | 1076 |
| 762.0            | 355.6 | 30 x 14 | 584.2      | 23     | 914.4  | 36  | 36.5                | 1 7/16 | 22.2        | 7/8    | 1040        | 1097 |
| 762.0            | 406.4 | 30 x 16 | 584.2      | 23     | 914.4  | 36  | 36.5                | 1 7/16 | 25.4        | 1      | 1053        | 1124 |
| 762.0            | 457.2 | 30 x 18 | 584.2      | 23     | 914.4  | 36  | 36.5                | 1 7/16 | 27.0        | 1 1/16 | 1060        | 1138 |
| 762.0            | 508.0 | 30 x 20 | 584.2      | 23     | 914.4  | 36  | 36.5                | 1 7/16 | 28.6        | 1 1/8  | 1074        | 1165 |
| 762.0            | 609.6 | 30 x 24 | 635.0      | 25     | 1270.0 | 50  | 36.5                | 1 7/16 | 31.8        | 1 1/4  | 1098        | 1213 |
| 762.0            | 762.0 | 30 x 30 | 635.0      | 25     | 1270.0 | 50  | 36.5                | 1 7/16 | 36.5        | 1 7/16 | 1134        | 1287 |
| 914.4            | 152.4 | 36 x 6  | 660.4      | 26     | 1016.0 | 40  | 41.3                | 1 5/8  | 14.3        | 9/16   | 1503        | 1519 |
| 914.4            | 203.2 | 36 x 8  | 660.4      | 26     | 1016.0 | 40  | 41.3                | 1 5/8  | 15.9        | 5/8    | 1511        | 1535 |
| 914.4            | 254.0 | 36 x 10 | 660.4      | 26     | 1016.0 | 40  | 41.3                | 1 5/8  | 19.1        | 3/4    | 1520        | 1555 |
| 914.4            | 304.8 | 36 x 12 | 660.4      | 26     | 1016.0 | 40  | 41.3                | 1 5/8  | 20.6        | 13/16  | 1532        | 1579 |
| 914.4            | 355.6 | 36 x 14 | 660.4      | 26     | 1016.0 | 40  | 41.3                | 1 5/8  | 22.2        | 7/8    | 1542        | 1599 |
| 914.4            | 406.4 | 36 x 16 | 660.4      | 26     | 1016.0 | 40  | 41.3                | 1 5/8  | 25.4        | 1      | 1556        | 1625 |
| 914.4            | 457.2 | 36 x 18 | 660.4      | 26     | 1016.0 | 40  | 41.3                | 1 5/8  | 27.0        | 1 1/16 | 1563        | 1639 |
| 914.4            | 508.0 | 36 x 20 | 660.4      | 26     | 1016.0 | 40  | 41.3                | 1 5/8  | 28.6        | 1 1/8  | 1576        | 1665 |
| 914.4            | 609.6 | 36 x 24 | 660.4      | 26     | 1016.0 | 40  | 41.3                | 1 5/8  | 31.8        | 1 1/4  | 1600        | 1714 |
| 914.4            | 762.0 | 36 x 30 | 711.2      | 28     | 1422.4 | 56  | 41.3                | 1 5/8  | 36.5        | 1 7/16 | 1636        | 1787 |
| 914.4            | 914.4 | 36 x 36 | 711.2      | 28     | 1422.4 | 56  | 41.3                | 1 5/8  | 41.3        | 1 5/8  | 1678        | 1870 |



## REDUCCIONES



## ESPECIFICACIONES SEGUN AWWA C-110

| DIÁM. NOMINAL |           | DISTANCIAS |       |      |       |      |       | ESPESOR DE |       | PESO   |
|---------------|-----------|------------|-------|------|-------|------|-------|------------|-------|--------|
| D x d         |           | L          |       | F    |       | G    |       | LA PARED e |       | APROX. |
| mm            | plg       | mm         | plg   | mm   | plg   | mm   | plg   | mm         | plg   | Kg     |
| 63.5 x 50.8   | 2 1/2 x 2 | 139.7      | 5 1/2 | 31.8 | 1 1/4 | 31.8 | 1 1/4 | 11.1       | 7/16  | 6.7    |
| 76.2 x 50.8   | 3 x 2     | 152.4      | 6     | 38.1 | 1 1/2 | 38.1 | 1 1/2 | 11.1       | 7/16  | 7      |
| 76.2 x 53.5   | 3 x 2 1/2 | 152.4      | 6     | 38.1 | 1 1/2 | 38.1 | 1 1/2 | 11.1       | 7/16  | 8      |
| 101.6 x 50.8  | 4 x 2     | 177.8      | 7     | 38.1 | 1 1/2 | 38.1 | 1 1/2 | 12.7       | 1/2   | 11     |
| 101.6 x 63.5  | 4 x 2 1/2 | 177.8      | 7     | 38.1 | 1 1/2 | 38.1 | 1 1/2 | 12.7       | 1/2   | 12     |
| 101.6 x 76.2  | 4 x 3     | 177.8      | 7     | 38.1 | 1 1/2 | 38.1 | 1 1/2 | 12.7       | 1/2   | 13     |
| 152.4 x 50.8  | 6 x 2     | 228.6      | 9     | 50.8 | 2     | 38.1 | 1 1/2 | 14.3       | 9/16  | 17     |
| 152.4 x 63.5  | 6 x 2 1/2 | 228.6      | 9     | 50.8 | 2     | 38.1 | 1 1/2 | 14.3       | 9/16  | 18     |
| 152.4 x 76.2  | 6 x 3     | 228.6      | 9     | 50.8 | 2     | 38.1 | 1 1/2 | 14.3       | 9/16  | 19     |
| 152.4 x 101.6 | 6 x 4     | 228.6      | 9     | 50.8 | 2     | 38.1 | 1 1/2 | 14.3       | 9/16  | 22     |
| 203.2 x 50.8  | 8 x 2     | 279.4      | 11    | 50.8 | 2     | 38.1 | 1 1/2 | 15.9       | 5/8   | 26     |
| 203.2 x 63.5  | 8 x 2 1/2 | 279.4      | 11    | 50.8 | 2     | 38.1 | 1 1/2 | 15.9       | 5/8   | 28     |
| 203.2 x 76.2  | 8 x 3     | 279.4      | 11    | 50.8 | 2     | 38.1 | 1 1/2 | 15.9       | 5/8   | 29     |
| 203.2 x 101.6 | 8 x 4     | 279.4      | 11    | 50.8 | 2     | 38.1 | 1 1/2 | 15.9       | 5/8   | 32     |
| 203.2 x 152.4 | 8 x 6     | 279.4      | 11    | 50.8 | 2     | 50.8 | 2     | 15.9       | 5/8   | 36     |
| 254.0 x 76.2  | 10 x 3    | 304.8      | 12    | 50.8 | 2     | 38.1 | 1 1/2 | 19.1       | 3/4   | 40     |
| 254.0 x 101.6 | 10 x 4    | 304.8      | 12    | 50.8 | 2     | 38.1 | 1 1/2 | 19.1       | 3/4   | 43     |
| 254.0 x 152.4 | 10 x 6    | 304.8      | 12    | 50.8 | 2     | 50.8 | 2     | 19.1       | 3/4   | 47     |
| 254.0 x 203.2 | 10 x 8    | 304.8      | 12    | 50.8 | 2     | 50.8 | 2     | 19.1       | 3/4   | 54     |
| 304.8 x 76.2  | 12 x 3    | 355.6      | 14    | 50.8 | 2     | 38.1 | 1 1/2 | 20.6       | 13/16 | 57     |
| 304.8 x 101.6 | 12 x 4    | 355.6      | 14    | 50.8 | 2     | 38.1 | 1 1/2 | 20.6       | 13/16 | 61     |
| 304.8 x 152.4 | 12 x 6    | 356.6      | 14    | 50.8 | 2     | 50.8 | 2     | 20.6       | 13/16 | 66     |
| 304.8 x 203.2 | 12 x 8    | 356.6      | 14    | 50.8 | 2     | 50.8 | 2     | 20.6       | 13/16 | 73     |
| 304.8 x 254.0 | 12 x 10   | 356.6      | 14    | 50.8 | 2     | 50.8 | 2     | 20.6       | 13/16 | 81     |
| 356.8 x 101.6 | 14 x 4    | 406.4      | 16    | 50.8 | 2     | 38.1 | 1 1/2 | 22.2       | 7/8   | 79     |

NOTA: Extremos bridados según Norma ANSI B 16.1 Pag. #1



## REDUCCIONES

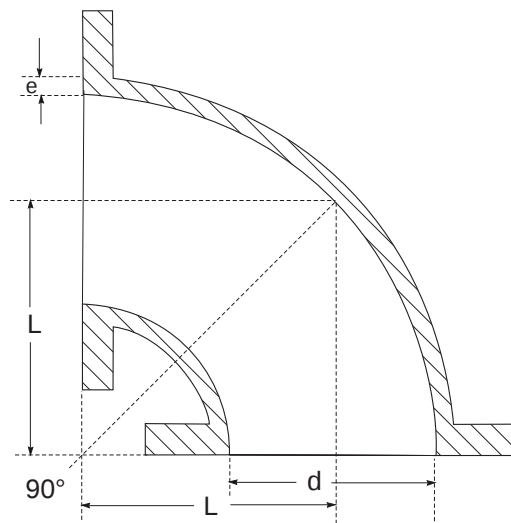
### ESPECIFICACIONES SEGUN AWWA C-110

| DIÁM. NOMINAL |         | DISTANCIAS |     |      |     |      |       | ESPESOR DE |        | PESO   |
|---------------|---------|------------|-----|------|-----|------|-------|------------|--------|--------|
| D x d         |         | L          |     | F    |     | G    |       | LA PARED e |        | APROX. |
| mm            | plg     | mm         | plg | mm   | plg | mm   | plg   | mm         | plg    | Kg     |
| 355.6 x 152.4 | 14 x 6  | 406.4      | 16  | 50.8 | 2   | 50.8 | 2     | 22.2       | 7/8    | 84     |
| 355.6 x 203.2 | 14 x 8  | 406.4      | 16  | 50.8 | 2   | 50.8 | 2     | 22.2       | 7/8    | 93     |
| 355.6 x 254.0 | 14 x 10 | 406.4      | 16  | 50.8 | 2   | 50.8 | 2     | 22.2       | 7/8    | 101    |
| 355.6 x 304.8 | 14 x 12 | 406.4      | 16  | 50.8 | 2   | 50.8 | 2     | 22.2       | 7/8    | 113    |
| 406.4 x 101.6 | 16 x 4  | 457.2      | 18  | 50.8 | 2   | 38.1 | 1 1/2 | 25.4       | 1      | 106    |
| 406.4 x 152.4 | 16 x 6  | 457.2      | 18  | 50.8 | 2   | 50.8 | 2     | 25.4       | 1      | 113    |
| 406.4 x 203.2 | 16 x 8  | 457.2      | 18  | 50.8 | 2   | 50.8 | 2     | 25.4       | 1      | 123    |
| 406.4 x 254.0 | 16 x 10 | 457.2      | 18  | 50.8 | 2   | 50.8 | 2     | 25.4       | 1      | 132    |
| 406.4 x 304.8 | 16 x 12 | 457.2      | 18  | 50.8 | 2   | 50.8 | 2     | 25.4       | 1      | 146    |
| 406.4 x 355.6 | 16 x 14 | 457.2      | 18  | 50.8 | 2   | 50.8 | 2     | 25.4       | 1      | 156    |
| 457.2 x 101.6 | 18 x 4  | 482.6      | 19  | 50.8 | 2   | 38.1 | 1 1/2 | 27.0       | 1 1/16 | 124    |
| 457.2 x 152.4 | 18 x 6  | 482.6      | 19  | 50.8 | 2   | 50.8 | 2     | 27.0       | 1 1/16 | 131    |
| 457.2 x 203.2 | 18 x 8  | 482.6      | 19  | 50.8 | 2   | 50.8 | 2     | 27.0       | 1 1/16 | 141    |
| 457.2 x 254.0 | 18 x 10 | 482.6      | 19  | 50.8 | 2   | 50.8 | 2     | 27.0       | 1 1/16 | 152    |
| 457.2 x 304.8 | 18 x 12 | 482.6      | 19  | 50.8 | 2   | 50.8 | 2     | 27.0       | 1 1/16 | 166    |
| 457.2 x 355.6 | 18 x 14 | 482.6      | 19  | 50.8 | 2   | 50.8 | 2     | 27.0       | 1 1/16 | 177    |
| 457.2 x 406.4 | 18 x 16 | 482.6      | 19  | 50.8 | 2   | 50.8 | 2     | 27.0       | 1 1/16 | 191    |
| 508.0 x 152.4 | 20 x 6  | 508.0      | 20  | 76.2 | 3   | 50.8 | 2     | 27.0       | 1 1/16 | 161    |
| 508.0 x 203.2 | 20 x 8  | 508.0      | 20  | 76.2 | 3   | 50.8 | 2     | 28.6       | 1 1/8  | 172    |
| 508.0 x 254.0 | 20 x 10 | 508.0      | 20  | 76.2 | 3   | 50.8 | 2     | 28.6       | 1 1/8  | 183    |
| 508.0 x 304.8 | 20 x 12 | 508.0      | 20  | 76.2 | 3   | 50.8 | 2     | 28.6       | 1 1/8  | 198    |
| 508.0 x 355.6 | 20 x 14 | 508.0      | 20  | 76.2 | 3   | 50.8 | 2     | 28.6       | 1 1/8  | 209    |
| 508.0 x 406.4 | 20 x 16 | 508.0      | 20  | 76.2 | 3   | 50.8 | 2     | 28.6       | 1 1/8  | 223    |
| 508.0 x 457.2 | 20 x 18 | 508.0      | 20  | 76.2 | 3   | 50.8 | 2     | 28.6       | 1 1/8  | 232    |
| 609.6 x 203.2 | 24 x 8  | 609.6      | 24  | 76.2 | 3   | 50.8 | 2     | 31.8       | 1 1/4  | 252    |
| 609.6 x 254.0 | 24 x 10 | 609.6      | 24  | 76.2 | 3   | 50.8 | 2     | 31.8       | 1 1/4  | 266    |
| 609.6 x 304.8 | 24 x 12 | 609.6      | 24  | 76.2 | 3   | 50.8 | 2     | 31.8       | 1 1/4  | 283    |
| 609.6 x 355.6 | 24 x 14 | 609.6      | 24  | 76.2 | 3   | 50.8 | 2     | 31.8       | 1 1/4  | 297    |
| 609.6 x 406.4 | 24 x 16 | 609.6      | 24  | 76.2 | 3   | 50.8 | 2     | 31.8       | 1 1/4  | 313    |
| 609.6 x 457.2 | 24 x 18 | 609.6      | 24  | 76.2 | 3   | 50.8 | 2     | 31.8       | 1 1/4  | 325    |
| 609.6 x 508.0 | 24 x 20 | 609.6      | 24  | 76.2 | 3   | 76.2 | 3     | 31.8       | 1 1/4  | 343    |
| 762.0 x 304.8 | 30 x 12 | 762.0      | 30  | 76.2 | 3   | 50.8 | 2     | 36.5       | 1 7/16 | 450    |
| 762.0 x 355.6 | 30 x 14 | 762.0      | 30  | 76.2 | 3   | 50.8 | 2     | 36.5       | 1 7/16 | 469    |
| 762.0 x 406.4 | 30 x 16 | 762.0      | 30  | 76.2 | 3   | 50.8 | 2     | 36.5       | 1 7/16 | 490    |
| 762.0 x 457.2 | 30 x 18 | 762.0      | 30  | 76.2 | 3   | 50.8 | 2     | 36.5       | 1 7/16 | 506    |
| 762.0 x 508.0 | 30 x 20 | 762.0      | 30  | 76.2 | 3   | 76.2 | 3     | 36.5       | 1 7/16 | 527    |
| 762.0 x 609.6 | 30 x 24 | 762.0      | 30  | 76.2 | 3   | 76.2 | 3     | 36.5       | 1 7/16 | 573    |
| 914.4 x 457.2 | 36 x 18 | 914.4      | 36  | 76.2 | 3   | 50.8 | 2     | 41.3       | 1 5/8  | 756    |
| 914.4 x 508.0 | 36 x 20 | 914.4      | 36  | 76.2 | 3   | 76.2 | 3     | 41.3       | 1 5/8  | 779    |
| 914.4 x 609.6 | 36 x 24 | 914.4      | 36  | 76.2 | 3   | 76.2 | 3     | 41.3       | 1 5/8  | 836    |
| 914.4 x 762.0 | 36 x 30 | 914.4      | 36  | 76.2 | 3   | 76.2 | 3     | 41.3       | 1 5/8  | 927    |

NOTA: Extremos bridados según Norma ANSI B 16.1 Pag. #1



## CODOS A 90°



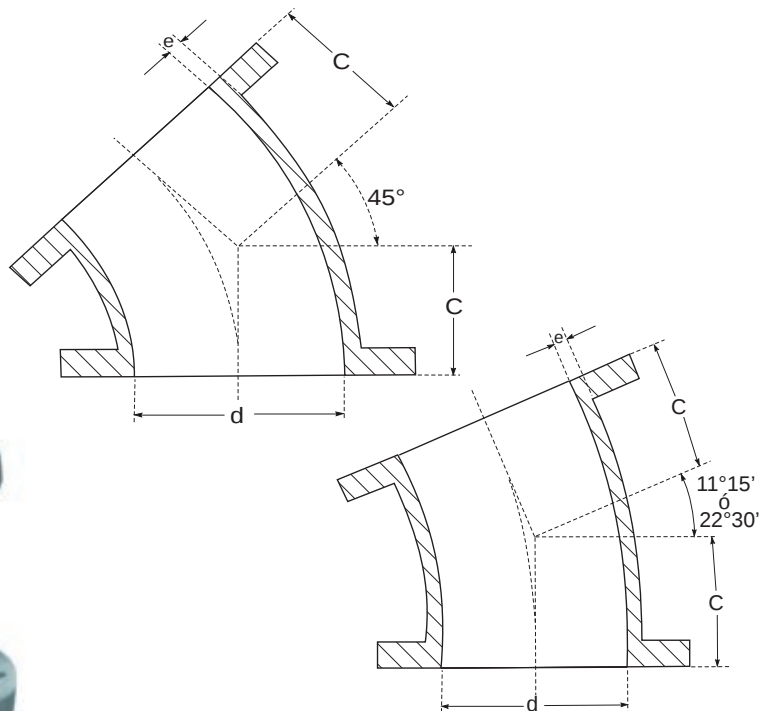
## ESPECIFICACIONES SEGUN AWWA C-110

| DIÁMETRO NOMINAL |       | DISTANCIA |        | ESPESOR DE LA PIEZA |        | PESO       |
|------------------|-------|-----------|--------|---------------------|--------|------------|
| d                |       | L         |        | e                   |        | APROXIMADO |
| mm               | plg   | mm        | plg    | mm                  | plg    | kg         |
| 50.8             | 2     | 114.3     | 4 1/2  | 11.1                | 7/16   | 6          |
| 63.5             | 2 1/2 | 127.0     | 5      | 11.1                | 7/16   | 9          |
| 76.2             | 3     | 139.7     | 5 1/2  | 11.1                | 7/16   | 11         |
| 101.6            | 4     | 165.1     | 6 1/2  | 12.7                | 1/2    | 18         |
| 152.4            | 6     | 203.2     | 8      | 14.3                | 9/16   | 30         |
| 203.2            | 8     | 228.6     | 9      | 15.9                | 5/8    | 48         |
| 254.0            | 10    | 279.4     | 11     | 19.1                | 3/4    | 78         |
| 304.8            | 12    | 304.8     | 12     | 20.6                | 13/16  | 113        |
| 355.6            | 14    | 355.6     | 14     | 22.2                | 7/8    | 154        |
| 406.4            | 16    | 381.0     | 15     | 25.4                | 1      | 208        |
| 457.2            | 18    | 419.1     | 16 1/2 | 27.0                | 1 1/16 | 256        |
| 508.0            | 20    | 457.2     | 18     | 28.6                | 1 1/8  | 328        |
| 609.6            | 24    | 558.8     | 22     | 31.8                | 1 1/4  | 513        |
| 762.0            | 30    | 635.0     | 25     | 36.5                | 1 7/16 | 818        |
| 914.4            | 36    | 711.2     | 28     | 41.3                | 1 5/8  | 1236       |

NOTA: Extremos bridados según Norma ANSI B 16.1 Pag. #1



C O D O S A 45°, 22°30' y 11°15'



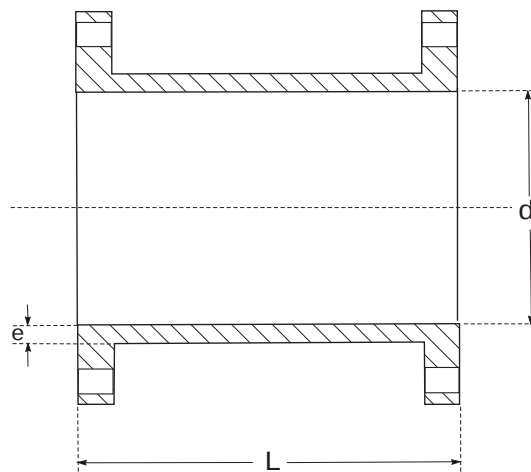
## ESPECIFICACIONES SEGUN AWWA C-110

| DIÁMETRO NOMINAL |       | DISTANCIA |       | ESPESOR DE LA PIEZA |        | PESO       |
|------------------|-------|-----------|-------|---------------------|--------|------------|
| d                |       | c         |       | e                   |        | APROXIMADO |
| mm               | plg   | mm        | plg   | mm                  | plg    | kg         |
| 50.8             | 2     | 63.5      | 2 1/2 | 11.1                | 7/16   | 5          |
| 63.5             | 2 1/2 | 76.2      | 3     | 11.1                | 7/16   | 8          |
| 76.2             | 3     | 76.2      | 3     | 11.1                | 7/16   | 9          |
| 101.6            | 4     | 101.6     | 4     | 12.7                | 1/2    | 16         |
| 152.4            | 6     | 127.0     | 5     | 14.3                | 9/16   | 26         |
| 203.2            | 8     | 139.7     | 5 1/2 | 15.9                | 5/8    | 42         |
| 254.0            | 10    | 165.1     | 6 1/2 | 19.1                | 3/4    | 65         |
| 304.8            | 12    | 190.5     | 7 1/2 | 20.6                | 13/16  | 98         |
| 355.6            | 14    | 190.5     | 7 1/2 | 22.2                | 7/8    | 121        |
| 406.4            | 16    | 203.2     | 8     | 25.4                | 1      | 161        |
| 457.2            | 18    | 215.9     | 8 1/2 | 27.0                | 1 1/16 | 190        |
| 508.0            | 20    | 241.3     | 9 1/2 | 28.6                | 1 1/8  | 247        |
| 609.6            | 24    | 279.4     | 11    | 31.8                | 1 1/4  | 367        |
| 762.0            | 30    | 381.0     | 15    | 36.5                | 1 7/16 | 669        |
| 914.4            | 36    | 457.2     | 18    | 41.3                | 1 5/8  | 1068       |

NOTA: Extremos bridados según Norma ANSI B 16.1 Pag. #1



## CARRETES



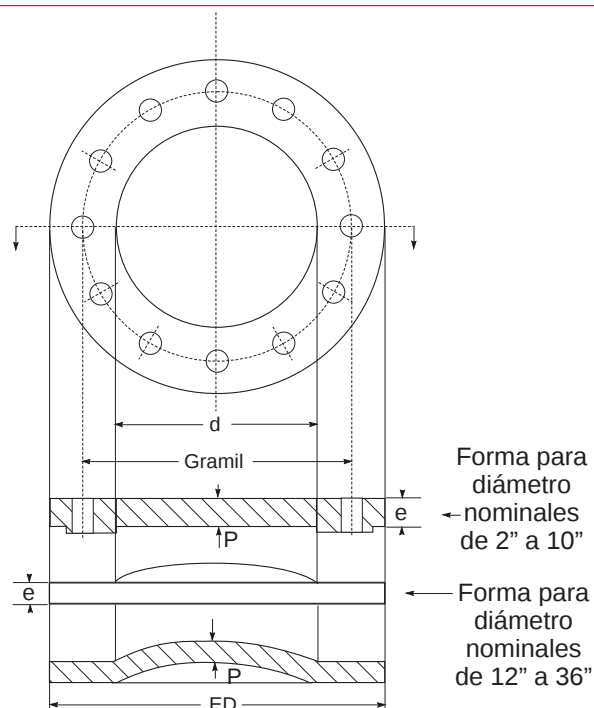
## ESPECIFICACIONES SEGUN AWWA C-110

| DIÁMETRO NOMINAL<br>d |       | ESPESOR<br>DE LA PARED<br>e |        | LONGITUD<br>EN mm<br>L |        | PESO APROXIMADO EN<br>Kg. |        |
|-----------------------|-------|-----------------------------|--------|------------------------|--------|---------------------------|--------|
| mm                    | plg   | mm                          | plg    | Largos                 | Cortos | Largos                    | Cortos |
| 50.8                  | 2     | 11.1                        | 7/16   | 500                    | 250    | 11                        | 7      |
| 63.5                  | 2 1/2 | 11.1                        | 7/16   | 500                    | 250    | 14                        | 9      |
| 76.2                  | 3     | 11.1                        | 7/16   | 500                    | 250    | 17                        | 11     |
| 101.6                 | 4     | 12.7                        | 1/2    | 500                    | 250    | 26                        | 17     |
| 152.4                 | 6     | 14.3                        | 9/16   | 500                    | 250    | 39                        | 26     |
| 203.2                 | 8     | 15.9                        | 5/8    | 500                    | 250    | 59                        | 39     |
| 254.0                 | 10    | 19.1                        | 3/4    | 500                    | 250    | 84                        | 54     |
| 304.8                 | 12    | 20.6                        | 13/16  | 500                    | 250    | 114                       | 76     |
| 355.6                 | 14    | 22.2                        | 7/8    | 500                    | 250    | 140                       | 103    |
| 406.4                 | 16    | 25.4                        | 1      | 500                    | 250    | 180                       | 118    |
| 457.2                 | 18    | 27.0                        | 1 1/16 | 500                    | 250    | 204                       | 131    |
| 508.0                 | 20    | 28.6                        | 1 1/8  | 500                    | 250    | 246                       | 159    |
| 609.6                 | 24    | 31.8                        | 1 1/4  | 500                    | 250    | 329                       | 214    |
| 762.0                 | 30    | 36.5                        | 1 7/16 | 500                    | 250    | 475                       | 310    |
| 914.4                 | 36    | 41.3                        | 1 5/8  | 750                    | 400    | 885                       | 573    |

NOTA: Extremos bridados según Norma ANSI B 16.1 Pag. #1



## BRIDAS (TAPAS) CIEGAS



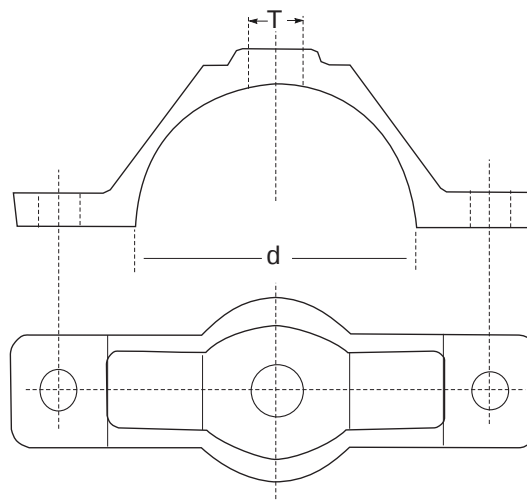
## ESPECIFICACIONES SEGUN AWWA C-110

| DIÁMETRO NOMINAL<br>d |       | DIÁMETRO DE LA BRIDA<br>ED |        | ESPESOR MÍNIMO DE LA BRIDA<br>e |         | ESPESOR DE LA PARED<br>P |        | PESO APROX. |
|-----------------------|-------|----------------------------|--------|---------------------------------|---------|--------------------------|--------|-------------|
| mm                    | plg   | mm                         | plg    | mm                              | plg     | mm                       | plg    | Kg          |
| 50.8                  | 2     | 152.4                      | 6      | 15.9                            | 5/8     | 14.3                     | 9/16   | 2.0         |
| 63.5                  | 2 1/2 | 177.8                      | 7      | 17.5                            | 11/16   | 15.9                     | 5/8    | 3.0         |
| 76.2                  | 3     | 190.5                      | 7 1/2  | 19.1                            | 3/4     | 17.5                     | 11/16  | 3.7         |
| 101.6                 | 4     | 228.6                      | 9      | 23.8                            | 15/16   | 22.2                     | 7/8    | 6.5         |
| 152.4                 | 6     | 279.4                      | 11     | 25.4                            | 1       | 23.8                     | 15/16  | 10.5        |
| 203.2                 | 8     | 342.9                      | 13 1/2 | 28.6                            | 1 1/8   | 27.0                     | 1 1/16 | 18.0        |
| 254.0                 | 10    | 406.4                      | 16     | 30.2                            | 1 3/16  | 28.6                     | 1 1/8  | 26.3        |
| 304.8                 | 12    | 482.6                      | 19     | 31.8                            | 1 1/4   | 20.6                     | 13/16  | 35.8        |
| 355.6                 | 14    | 533.4                      | 21     | 34.9                            | 1 3/8   | 22.2                     | 7/8    | 46.8        |
| 406.4                 | 16    | 596.9                      | 23 1/2 | 36.5                            | 1 7/16  | 25.4                     | 1      | 62.5        |
| 457.2                 | 18    | 635.0                      | 25     | 39.7                            | 1 9/16  | 27.0                     | 1 1/16 | 74.7        |
| 508.0                 | 20    | 698.5                      | 27 1/2 | 42.9                            | 1 11/16 | 28.6                     | 1 1/8  | 96.5        |
| 609.6                 | 24    | 812.8                      | 32     | 47.6                            | 1 7/8   | 31.8                     | 1 1/4  | 144.1       |
| 762.0                 | 30    | 984.3                      | 38 3/4 | 54.0                            | 2 1/8   | 36.5                     | 1 7/16 | 238.4       |
| 914.4                 | 36    | 1168.4                     | 46     | 60.3                            | 2 3/8   | 41.3                     | 1 5/8  | 373.4       |
| 1066.8                | 42    | 1346.2                     | 53     | 66.7                            | 2 5/8   | 44.5                     | 1 3/4  | 650.0       |

NOTA: Se surten con taladro y rosca NPT a solicitud.



## ABRAZADERAS DE INSERCIÓN



## ESPECIFICACIONES

| DIÁMETRO NOMINAL<br>d |       | ROSCA NPT DE LA<br>TOMA<br>T                          | NUMERO<br>TORNILLOS | DIMENSIONES DE<br>LOS TORNILLOS               | PESO<br>APROX. |
|-----------------------|-------|-------------------------------------------------------|---------------------|-----------------------------------------------|----------------|
| mm                    | plg   | OPCIONAL<br>ENTRE:<br>1/2, 3/4 y 1"                   | Piezas              | plg                                           | kg             |
| 50.8                  | 2     |                                                       | 2                   | 1/2 x 2                                       | 1.4            |
| 63.5                  | 2 1/2 |                                                       | 2                   | 1/2 x 2 1/2                                   | 1.9            |
| 76.2                  | 3     |                                                       | 2                   | 1/2 x 2 1/2                                   | 2.2            |
| 101.6                 | 4     |                                                       | 2                   | 1/2 x 3                                       | 2.8            |
| 152.4                 | 6     |                                                       | 2                   | 1/2 x 3                                       | 4.4            |
| 203.2                 | 8     |                                                       | 2                   | 1/2 x 3 1/2                                   | 6.0            |
| 254.0                 | 10    |                                                       | 2                   | 1/2 x 3 1/2                                   | 7.5            |
| 304.8                 | 12    | OPCIONAL<br>ENTRE:<br>1/2, 3/4, 1"<br>1 1/4" y 1 1/2" | 2                   | 1/2 x 4 1/2                                   | 11.4           |
| 355.6                 | 14    |                                                       | 2                   | SU<br>LONGITUD<br>DEPENDE DE<br>LA<br>TUBERIA | 23.0           |
| 406.4                 | 16    |                                                       | 2                   |                                               | 24.0           |
| 457.2                 | 18    |                                                       | 2                   |                                               | 27.0           |
| 508.0                 | 20    |                                                       | 2                   |                                               | 28.8           |
| 609.6                 | 24    |                                                       | 2                   |                                               | 34.0           |



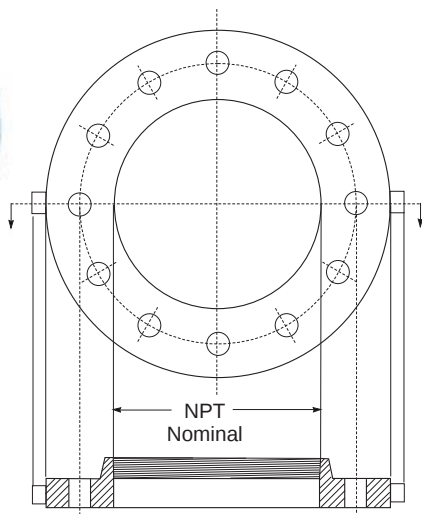
# CONEXIONES MYMACO Y VÁLVULAS RUD



## CONTRABRIDAS Ó BRIDAS ROSCADAS



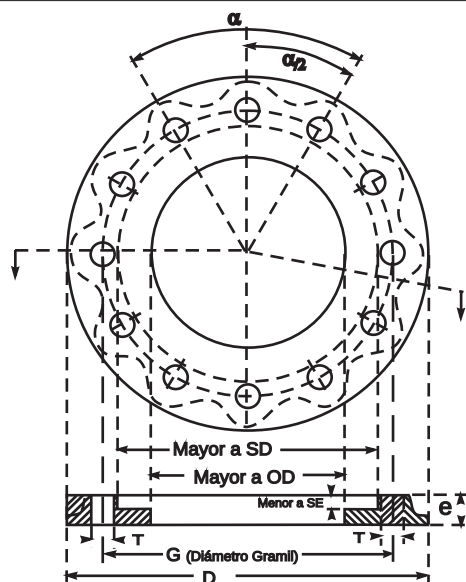
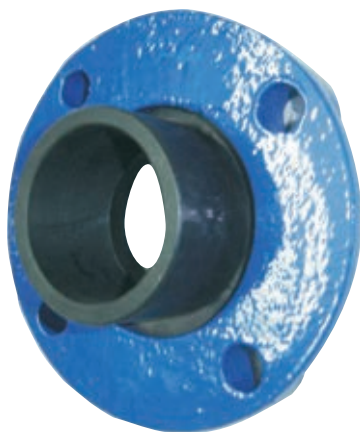
ESPECIFICACIONES  
SEGUN AWWA C-110  
Y AWWA C-115



| DIÁMETRO NOMINAL<br>d |       | PESO<br>APROXIMADO |
|-----------------------|-------|--------------------|
| mm                    | Pulg. | Kg.                |
| 50.8                  | 2     | 1.8                |
| 63.5                  | 2 1/2 | 3.0                |
| 76.2                  | 3     | 4.0                |
| 101.6                 | 4     | 4.6                |
| 152.4                 | 6     | 8.7                |
| 203.6                 | 8     | 10.4               |
| 254.0                 | 10    | 14.2               |
| 304.8                 | 12    | 21.0               |

NOTA: Las Bidas roscadas tienen rosca NPT correspondiente con su diámetro nominal en pulgadas.

## CONTRABRIDAS METALICAS PARA STUBEND DE PEAD

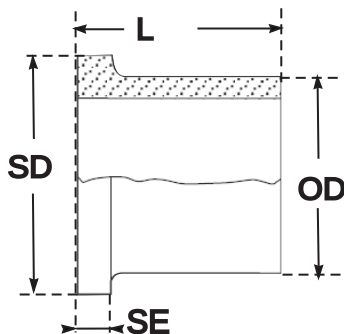


Diámetros D, T, G, Espesor e, # de T (Taladros ó Barrenos) y Ángulos  $\alpha$  y  $\alpha/2$

CONFORME A Standard ASME/ANSI B16.1 para Bidas

Dimensiones OD, SD y SE conforme a Stub End

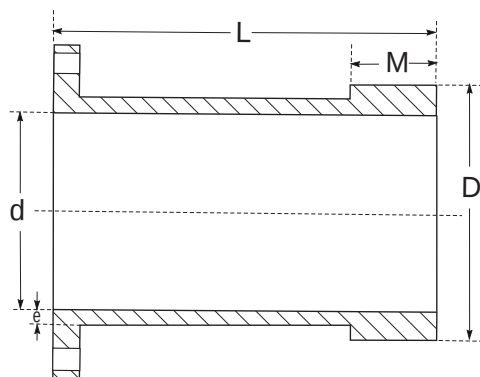
### DIMENSIONES COMUNES DE STUB END



| Nominal | OD    | SE  | L    | SD   |
|---------|-------|-----|------|------|
| 2       | 2.375 | 0.4 | 6.0  | 4.0  |
| 3       | 3.5   | 0.6 | 6.0  | 5.0  |
| 4       | 4.5   | 0.8 | 6.0  | 6.6  |
| 6       | 6.625 | 0.8 | 8.0  | 8.5  |
| 8       | 8.625 | 1.6 | 9.0  | 10.6 |
| 10      | 10.75 | 1.6 | 9.0  | 12.8 |
| 12      | 12.75 | 2.3 | 10.8 | 15.0 |
| 14      | 14.0  | 2.6 | 11.0 | 17.5 |
| 16      | 16.0  | 3.0 | 12.0 | 20.0 |
| 18      | 18.0  | 3.3 | 12.0 | 21.1 |



## EXTREMIDADES



## ESPECIFICACIONES SEGUN AWWA C-110

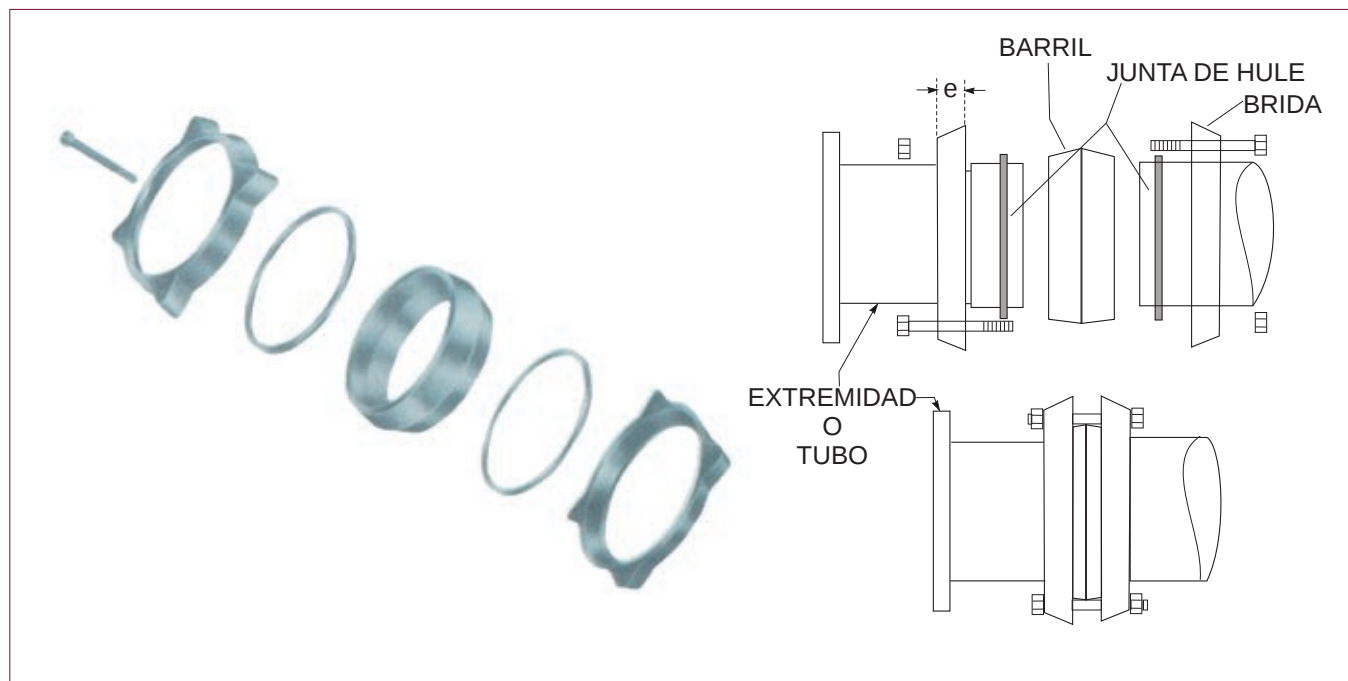
| DIÁM. NOMINAL<br>d |       | DIÁM. EXTERIOR<br>D                                                                                | ESPESOR DE LA PARED<br>e |        | LONGITUD L<br>LARGO CORTO |     | LONG. DEL MAQUINADO<br>M |         | PESO APROX.<br>Kg |
|--------------------|-------|----------------------------------------------------------------------------------------------------|--------------------------|--------|---------------------------|-----|--------------------------|---------|-------------------|
| mm                 | plg   |                                                                                                    | mm                       | plg    | mm                        | mm  | mm                       | plg     |                   |
| 508                | 2     | <b>EXTREMO LARGO SE SURTEN EN DIÁMETROS PARA TUBERÍAS DE ASBESTO CLASES A-5, A-7, A-10 Y A-14.</b> | 11.1                     | 7/16   | 350                       | 250 | 88.9                     | 3 1/2   | 8                 |
| 63.5               | 2 1/2 |                                                                                                    | 11.1                     | 7/16   | 350                       | 250 | 88.9                     | 3 1/2   | 10                |
| 76.2               | 3     |                                                                                                    | 11.1                     | 7/16   | 350                       | 250 | 88.9                     | 3 1/2   | 12                |
| 101.6              | 4     |                                                                                                    | 12.7                     | 1/2    | 400                       | 300 | 88.9                     | 3 1/2   | 18                |
| 152.4              | 6     |                                                                                                    | 14.3                     | 9/16   | 400                       | 300 | 90.5                     | 3 9/16  | 28                |
| 203.2              | 8     |                                                                                                    | 15.9                     | 5/8    | 400                       | 300 | 90.5                     | 3 9/16  | 41                |
| 254.0              | 10    |                                                                                                    | 19.1                     | 3/4    | 400                       | 300 | 122.2                    | 4 13/16 | 60                |
| 304.8              | 12    | <b>EXTREMO CORTO SE SURTEN EN DIÁMETROS PARA TUBERÍAS DE PVC Y ACERO</b>                           | 20.6                     | 13/16  | 400                       | 300 | 122.2                    | 4 13/16 | 80                |
| 355.6              | 14    |                                                                                                    | 22.2                     | 7/8    | 400                       | 300 | 122.2                    | 4 13/16 | 99                |
| 406.4              | 16    |                                                                                                    | 25.4                     | 1      | 500                       | 350 | 122.2                    | 4 13/16 | 152               |
| 457.2              | 18    |                                                                                                    | 27.0                     | 1 1/16 | 500                       | 350 | 122.2                    | 4 13/16 | 176               |
| 508.0              | 20    |                                                                                                    | 28.6                     | 1 1/8  | 500                       | 350 | 122.2                    | 4 13/16 | 210               |
| 609.6              | 24    |                                                                                                    | 31.8                     | 1 1/4  | 500                       | 350 | 125.4                    | 4 15/16 | 280               |
| 762.0              | 30    |                                                                                                    | 36.5                     | 1 7/16 | 500                       | 350 | 139.7                    | 5 1/2   | 402               |
| 914.4              | 36    |                                                                                                    | 41.3                     | 1 5/8  | 600                       | 400 | 165.1                    | 6 1/2   | 644               |

NOTA: Al solicitar las extremidades, denos a conocer marca y clase del tubo o el diámetro exterior del mismo en mm.

NOTA: Extremos bridados según Norma ANSI B 16.1 Pag. #1



## JUNTAS GIBALT



## ESPECIFICACIONES SEGUN AWWA C-110

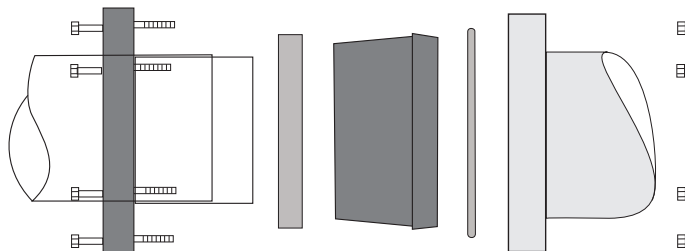
| DIÁMETRO<br>NOMINAL<br>d | ESPESOR<br>MÍNIMO DE<br>LA BRIDA e | TORNILLOS |              | PESO<br>APROX. | Diámetros interiores en que se fabrican las juntas<br>Midiendo en milímetros el diam. interior |
|--------------------------|------------------------------------|-----------|--------------|----------------|------------------------------------------------------------------------------------------------|
|                          |                                    | Cant.     | Dimensión    |                |                                                                                                |
| plg                      | plg                                | Piezas    | plg          | Kg             | SOBRE PEDIDO SE PUEDEN FABRICAR DIÁMETROS ESPECIALES                                           |
| 2                        | 1 3/16                             | 2         | 1/2 x 4      | 2.7            | 66, 70, 76 y 80 mm                                                                             |
| 2 1/2                    | 1 1/8                              | 2         | 1/2 x 4 1/2  | 3.4            | 85 y 90 mm                                                                                     |
| 3                        | 1 9/16                             | 2         | 1/2 x 4 1/2  | 4.2            | 95, 100, 105, 110 y 115 mm                                                                     |
| 4                        | 1 9/16                             | 3         | 5/8 x 5      | 5.7            | 120, 124, 127, 130 y 135 mm                                                                    |
| 6                        | 1 9/16                             | 3         | 5/8 x 5 1/2  | 10.5           | 160, 165, 170, 175, 180, 185, 190 y 195 mm                                                     |
| 8                        | 1 9/16                             | 4         | 5/8 x 6      | 15.5           | 205, 225, 230, 235, 240, 245, 255 y 260 mm                                                     |
| 10                       | 1 13/16                            | 4         | 5/8 x 6 1/2  | 20.2           | 270, 275, 280, 285, 290, 295, 305, 310, 315, 320 y 325 mm                                      |
| 12                       | 1 13/16                            | 4         | 5/8 x 6 1/2  | 25.0           | 330, 335, 340, 345, 350, 355, 360, 365, 370, 375, 380 y 390 mm                                 |
| 14                       | 1 7/8                              | 6         | 5/8 x 6 1/2  | 47.5           | 395, 405, 410, 415, 420, 430 y 435 mm                                                          |
| 16                       | 2                                  | 6         | 5/8 x 6 1/2  | 46.0           | 440, 445, 450, 455, 460, 465, 470 y 485 mm                                                     |
| 18                       | 2 1/8                              | 8         | 5/8 x 7      | 62.3           | 490, 495, 505, 510, 515, 520, 525, 530, 535 y 540 mm                                           |
| 20                       | 2 3/16                             | 8         | 5/8 x 7      | 73.0           | 550, 560, 565, 570, 575, 580, 585, 590, 595, 600, 605, 615, 620, 630 y 635 mm                  |
| 24                       | 2 1/4                              | 12        | 3/4 x 8      | 100.0          | 650, 655, 665, 675, 680, 685, 690 y 720 mm                                                     |
| 30                       | 2 1/2                              | 16        | 3/4 x 9 1/2  | 173.0          | 805, 810, 825, 840, 850, 860 y 920 mm                                                          |
| 36                       | 2 7/8                              | 18        | 3/4 x 11 1/2 | 257.5          | 990, 995, 1000, 1050, 1060, 1085 y 1110 mm                                                     |

NOTA: La junta se surte completa con empaques y tornillos

Al solicitar la junta Gibault, denos a conocer la marca y clase de la tubería o el diámetro exterior exacto de la misma.

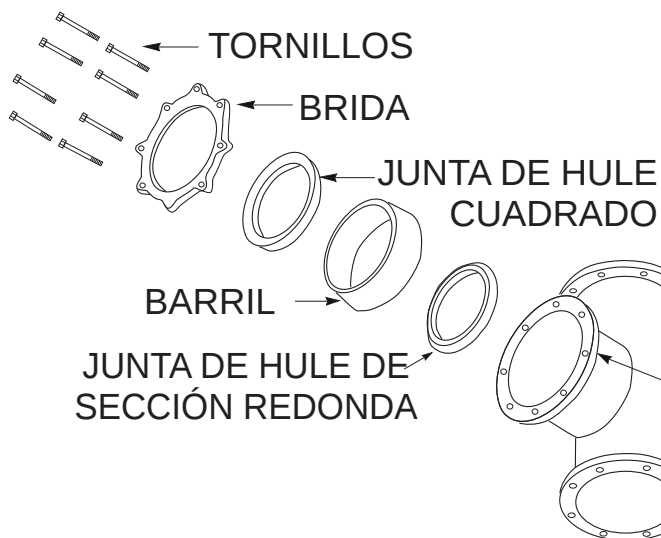
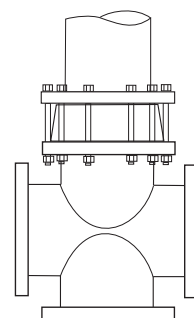
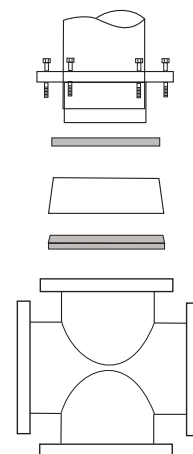


## JUNTA "UNIVERSAL" GPB Marca MYMACO DE DIÁMETROS FIJOS



LAS DIMENSIONES DE LA BRIDA DE LA JUNTAS  
COINCIDEN CON LA BRIDA NOMINAL DE LA PIEZA A UNIR

| PESO<br>APROX.<br>EN KG. | DIÁMETRO NOMINAL |       | DIÁMETRO INTERIOR EN mm<br>SOBRE PEDIDO SE PUEDEN FABRICAR<br>DIÁMETROS ESPECIALES |
|--------------------------|------------------|-------|------------------------------------------------------------------------------------|
|                          | MM.              | PLGS. |                                                                                    |
| 3                        | 50.8             | 2     | 70, 75 mm                                                                          |
| 4                        | 63.5             | 2 ½   | 70, 80, 90 mm                                                                      |
| 5                        | 76.2             | 3     | 90, 100, 105 mm                                                                    |
| 6                        | 101.6            | 4     | 105, 120, 125, 130 mm                                                              |
| 10                       | 152.4            | 6     | 165, 175, 185 mm                                                                   |
| 14                       | 203.6            | 8     | 205, 225, 230, 235, 240 mm                                                         |
| 22                       | 254.0            | 10    | 255, 285, 295 mm                                                                   |
| 28                       | 304.8            | 12    | 305, 320, 335, 345, 350 mm                                                         |
| 37                       | 355.6            | 14    | 395, 405 mm                                                                        |
| 47                       | 406.4            | 16    | 450, 460 mm                                                                        |
| 70                       | 457.2            | 18    | 485, 505, 515, mm                                                                  |
| 100                      | 508.0            | 20    | 570, 665 mm                                                                        |
| 125                      | 609.6            | 24    | 695 mm                                                                             |



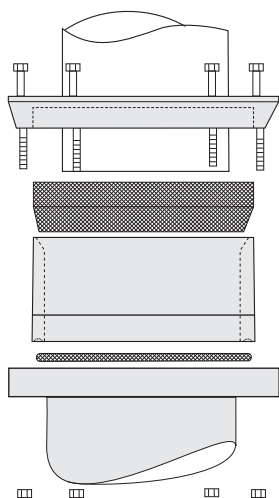
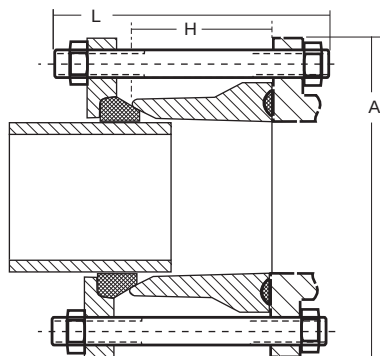
Para Unir Tubo a  
Conexión brida,  
Válvula, ó  
Cualquier  
Brida Norma  
ASME/ANSI B 16.1



# CONEXIONES MYMACO Y VÁLVULAS RUD



**JUNTA (UNIÓN) UNIVERSAL "GPB" DE RANGO AMPLIO**  
MYMACO CON EMPAQUES CÓNICOS IGUALES A LOS DEL ADAPTADOR BRIDADO UNIVERSAL



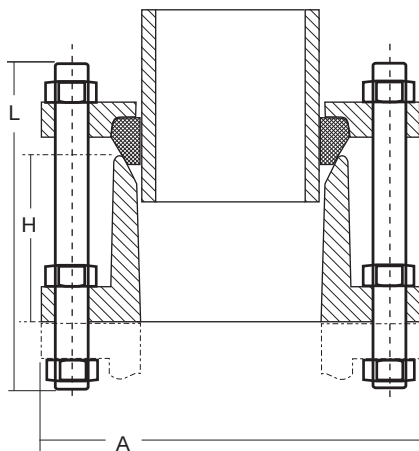
## Especificar DN de la Brida:

Dado que hay rangos compatibles con medidas subsiguientes de tubería es indispensable nos indique el tamaño de la Brida y el rango que requiera de la Junta correspondiente

| BRIDA<br>(DN) | Rango   | Tornillos |      | A     | H   | Peso       |
|---------------|---------|-----------|------|-------|-----|------------|
|               | Min-Max | Diam x L  | Cant | mm    | mm  | Min. en Kg |
| 2"            | 48-60   | 20 x 180  | 4    | 152.4 | 78  | 3.5        |
|               | 59-72   | 20 x 180  | 4    | 152.4 | 78  | 3.5        |
| 2 1/2"        | 72-85   | 20 x 180  | 4    | 177.5 | 78  | 4          |
| 3"            | 72-85   | 20 x 180  | 4    | 177.5 | 78  | 4          |
|               | 88-103  | 20 x 180  | 4    | 190.5 | 78  | 4.5        |
|               | 96-116  | 19 x 180  | 4    | 228.6 | 78  | 6          |
| 4"            | 96-116  | 19 x 180  | 4    | 228.6 | 78  | 6          |
|               | 109-128 | 20 x 180  | 4    | 228.6 | 78  | 6          |
|               | 132-146 | 20 x 180  | 4    | 228.6 | 78  | 6.5        |
| 6"            | 159-182 | 22 x 200  | 4    | 279.4 | 78  | 7.8        |
| 8"            | 192-210 | 22 x 200  | 4    | 342.9 | 85  | 12         |
|               | 218-235 | 22 x 200  | 4    | 342.9 | 85  | 12.5       |
|               | 230-247 | 25 x 220  | 6    | 406.4 | 85  | 17         |
|               | 250-267 | 25 x 220  | 6    | 406.4 | 85  | 17         |
| 10"           | 250-267 | 25 x 220  | 6    | 406.4 | 85  | 17         |
|               | 272-289 | 25 x 220  | 6    | 406.4 | 85  | 17         |
|               | 280-306 | 25 x 220  | 6    | 406.4 | 85  | 17         |
|               | 315-332 | 25 x 220  | 6    | 486.2 | 85  | 19         |
| 12"           | 315-332 | 25 x 220  | 6    | 486.2 | 85  | 19         |
|               | 322-339 | 25 x 220  | 6    | 486.2 | 85  | 19         |
|               | 332-349 | 25 x 220  | 6    | 486.2 | 85  | 20         |
|               | 324-350 | 25 x 220  | 6    | 486.2 | 85  | 21         |
|               | 340-360 | 29 x 240  | 6    | 533.4 | 110 | 42         |
|               | 351-368 | 29 x 240  | 6    | 533.4 | 110 | 42         |
| 14"           | 351-368 | 29 x 240  | 6    | 533.4 | 110 | 42         |
|               | 374-391 | 29 x 240  | 6    | 533.4 | 110 | 42         |
|               | 384-410 | 29 x 240  | 6    | 533.4 | 110 | 42         |
|               | 400-429 | 29 x 240  | 8    | 596.9 | 110 | 57         |
| 16"           | 400-429 | 29 x 240  | 8    | 596.9 | 110 | 57         |
|               | 410-436 | 29 x 240  | 8    | 596.9 | 110 | 57         |
|               | 418-435 | 29 x 240  | 8    | 635   | 110 | 62         |
|               | 425-442 | 29 x 240  | 8    | 635   | 110 | 62         |
|               | 455-472 | 29 x 240  | 8    | 635   | 110 | 62         |
|               | 476-493 | 29 x 240  | 8    | 635   | 110 | 62         |
| 18"           | 455-472 | 29 x 240  | 8    | 635   | 110 | 62         |
|               | 476-493 | 29 x 240  | 8    | 635   | 110 | 62         |
|               | 480-500 | 29 x 240  | 8    | 635   | 110 | 62         |
|               | 500-532 | 32 x 240  | 10   | 698.5 | 115 | 68         |
|               | 527-544 | 32 x 240  | 10   | 698.5 | 115 | 68         |
| 20"           | 500-532 | 32 x 240  | 10   | 698.5 | 115 | 68         |
|               | 527-544 | 32 x 240  | 10   | 698.5 | 115 | 68         |
|               | 555-572 | 32 x 240  | 10   | 698.5 | 115 | 68         |
|               | 566-583 | 32 x 240  | 10   | 698.5 | 115 | 68         |
|               | 582-593 | 32 x 240  | 10   | 698.5 | 115 | 68         |
|               | 600-630 | 34 x 260  | 10   | 812.8 | 150 | 84         |
| 24"           | 600-630 | 34 x 260  | 10   | 812.8 | 150 | 84         |
|               | 630-650 | 34 x 260  | 10   | 812.8 | 150 | 84         |
|               | 662-679 | 34 x 260  | 10   | 812.8 | 150 | 84         |
|               | 675-692 | 34 x 260  | 10   | 812.8 | 150 | 84         |



## ADAPTADOR (UNIÓN) BRIDADO DE RANGO AMPLIO



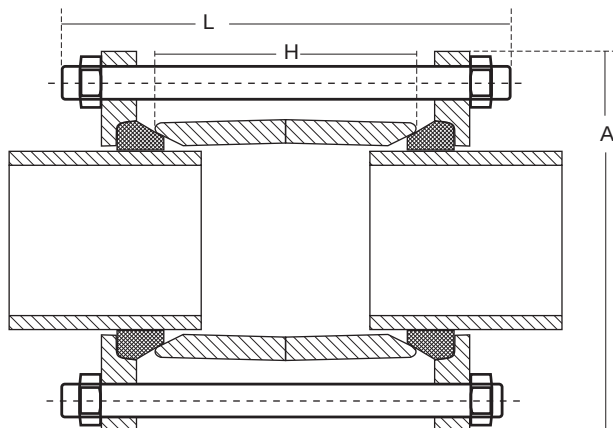
### Especificar DN de la Brida:

Dado que hay rangos compatibles con medidas subsiguientes de tubería es indispensable nos indique el tamaño de la Brida y el rango que requiera del adaptador correspondiente

| BRIDA<br>(DN) | Rango   | Tornillos |      | A     | H   | Peso       |
|---------------|---------|-----------|------|-------|-----|------------|
|               | Min-Max | Diam x L  | Cant | mm    | mm  | Min. en Kg |
| 2"            | 48-60   | 20 x 180  | 4    | 152.4 | 78  | 3.5        |
|               | 59-72   | 20 x 180  | 4    | 152.4 | 78  | 3.5        |
| 2 1/2"        | 72-85   | 20 x 180  | 4    | 177.5 | 78  | 4          |
| 3"            | 72-85   | 20 x 180  | 4    | 177.5 | 78  | 4          |
|               | 88-103  | 20 x 180  | 4    | 190.5 | 78  | 4.5        |
|               | 96-116  | 19 x 180  | 4    | 228.6 | 78  | 6          |
| 4"            | 96-116  | 19 x 180  | 4    | 228.6 | 78  | 6          |
|               | 109-128 | 20 x 180  | 4    | 228.6 | 78  | 6          |
|               | 132-146 | 20 x 180  | 4    | 228.6 | 78  | 6.5        |
| 6"            | 159-182 | 22 x 200  | 4    | 279.4 | 78  | 7.8        |
|               | 192-210 | 22 x 200  | 4    | 342.9 | 85  | 12         |
| 8"            | 192-210 | 22 x 200  | 4    | 342.9 | 85  | 12         |
|               | 218-235 | 22 x 200  | 4    | 342.9 | 85  | 12.5       |
|               | 230-247 | 25 x 220  | 6    | 406.4 | 85  | 17         |
|               | 250-267 | 25 x 220  | 6    | 406.4 | 85  | 17         |
| 10"           | 250-267 | 25 x 220  | 6    | 406.4 | 85  | 17         |
|               | 272-289 | 25 x 220  | 6    | 406.4 | 85  | 17         |
|               | 280-306 | 25 x 220  | 6    | 406.4 | 85  | 17         |
|               | 315-332 | 25 x 220  | 6    | 486.2 | 85  | 19         |
| 12"           | 315-332 | 25 x 220  | 6    | 486.2 | 85  | 19         |
|               | 322-339 | 25 x 220  | 6    | 486.2 | 85  | 19         |
|               | 332-349 | 25 x 220  | 6    | 486.2 | 85  | 20         |
|               | 324-350 | 25 x 220  | 6    | 486.2 | 85  | 21         |
|               | 340-360 | 29 x 240  | 6    | 533.4 | 110 | 42         |
|               | 351-368 | 29 x 240  | 6    | 533.4 | 110 | 42         |
| 14"           | 351-368 | 29 x 240  | 6    | 533.4 | 110 | 42         |
|               | 374-391 | 29 x 240  | 6    | 533.4 | 110 | 42         |
|               | 384-410 | 29 x 240  | 6    | 533.4 | 110 | 42         |
| 16"           | 400-429 | 29 x 240  | 8    | 596.9 | 110 | 57         |
|               | 400-429 | 29 x 240  | 8    | 596.9 | 110 | 57         |
|               | 410-436 | 29 x 240  | 8    | 596.9 | 110 | 57         |
|               | 418-435 | 29 x 240  | 8    | 635   | 110 | 62         |
|               | 425-442 | 29 x 240  | 8    | 635   | 110 | 62         |
|               | 455-472 | 29 x 240  | 8    | 635   | 110 | 62         |
|               | 476-493 | 29 x 240  | 8    | 635   | 110 | 62         |
| 18"           | 455-472 | 29 x 240  | 8    | 635   | 110 | 62         |
|               | 476-493 | 29 x 240  | 8    | 635   | 110 | 62         |
|               | 480-500 | 29 x 240  | 8    | 635   | 110 | 62         |
|               | 500-532 | 32 x 240  | 10   | 698.5 | 115 | 68         |
|               | 527-544 | 32 x 240  | 10   | 698.5 | 115 | 68         |
| 20"           | 500-532 | 32 x 240  | 10   | 698.5 | 115 | 68         |
|               | 527-544 | 32 x 240  | 10   | 698.5 | 115 | 68         |
|               | 555-572 | 32 x 240  | 10   | 698.5 | 115 | 68         |
|               | 566-583 | 32 x 240  | 10   | 698.5 | 115 | 68         |
|               | 582-593 | 32 x 240  | 10   | 698.5 | 115 | 68         |
|               | 600-630 | 34 x 260  | 10   | 812.8 | 150 | 84         |
| 24"           | 600-630 | 34 x 260  | 10   | 812.8 | 150 | 84         |
|               | 630-650 | 34 x 260  | 10   | 812.8 | 150 | 84         |
|               | 662-679 | 34 x 260  | 10   | 812.8 | 150 | 84         |
|               | 675-692 | 34 x 260  | 10   | 812.8 | 150 | 84         |



## COPLE (UNION) UNIVERSAL DE RANGO AMPLIO



| DIAM.<br>NOMINAL | Rango<br>Min-Max | Tornillos |      | A<br>mm | H<br>mm | Peso<br>Min. en Kg |
|------------------|------------------|-----------|------|---------|---------|--------------------|
|                  |                  | Diam x L  | Cant |         |         |                    |
| DN40             | 48-60            | 20 x 180  | 4    | 152.4   | 78      | 3.5                |
| DN50             | 59-72            | 20 x 180  | 4    | 152.4   | 78      | 3.5                |
| DN65             | 72-85            | 20 x 180  | 4    | 177.5   | 78      | 4                  |
| DN80             | 88-103           | 20 x 180  | 4    | 190.5   | 78      | 4.5                |
| DN100            | 96-116           | 19 x 180  | 4    | 228.6   | 78      | 6                  |
|                  | 109-128          | 20 x 180  | 4    | 228.6   | 78      | 6                  |
| DN125            | 132-146          | 20 x 180  | 4    | 228.6   | 78      | 6.5                |
| DN150            | 159-182          | 22 x 200  | 4    | 279.4   | 78      | 7.8                |
| DN200            | 192-210          | 22 x 200  | 4    | 342.9   | 85      | 12                 |
|                  | 218-235          | 22 x 200  | 4    | 342.9   | 85      | 12.5               |
| DN250            | 230-247          | 25 x 220  | 6    | 406.4   | 85      | 17                 |
|                  | 250-267          | 25 x 220  | 6    | 406.4   | 85      | 17                 |
|                  | 272-289          | 25 x 220  | 6    | 406.4   | 85      | 17                 |
|                  | 280-306          | 25 x 220  | 6    | 406.4   | 85      | 17                 |
| DN300            | 315-332          | 25 x 220  | 6    | 486.2   | 85      | 19                 |
|                  | 322-339          | 25 x 220  | 6    | 486.2   | 85      | 19                 |
|                  | 332-349          | 25 x 220  | 6    | 486.2   | 85      | 20                 |
|                  | 324-350          | 25 x 220  | 6    | 486.2   | 85      | 21                 |
| DN350            | 340-360          | 29 x 240  | 6    | 533.4   | 110     | 42                 |
|                  | 351-368          | 29 x 240  | 6    | 533.4   | 110     | 42                 |
|                  | 374-391          | 29 x 240  | 6    | 533.4   | 110     | 42                 |
| DN375            | 384-410          | 29 x 240  | 6    | 533.4   | 110     | 42                 |
| DN400            | 400-429          | 29 x 240  | 8    | 596.9   | 110     | 57                 |
|                  | 410-436          | 29 x 240  | 8    | 596.9   | 110     | 57                 |
| DN450            | 418-435          | 29 x 240  | 8    | 635     | 110     | 62                 |
|                  | 425-442          | 29 x 240  | 8    | 635     | 110     | 62                 |
|                  | 455-472          | 29 x 240  | 8    | 635     | 110     | 62                 |
|                  | 476-493          | 29 x 240  | 8    | 635     | 110     | 62                 |
|                  | 480-500          | 29 x 240  | 8    | 635     | 110     | 62                 |
| DN500            | 500-532          | 32 x 240  | 10   | 698.5   | 115     | 68                 |
|                  | 527-544          | 32 x 240  | 10   | 698.5   | 115     | 68                 |
|                  | 555-572          | 32 x 240  | 10   | 698.5   | 115     | 68                 |
|                  | 566-583          | 32 x 240  | 10   | 698.5   | 115     | 68                 |
|                  | 582-593          | 32 x 240  | 10   | 698.5   | 115     | 68                 |
| DN600            | 600-630          | 34 x 260  | 10   | 812.8   | 150     | 84                 |
|                  | 630-650          | 34 x 260  | 10   | 812.8   | 150     | 84                 |
|                  | 662-679          | 34 x 260  | 10   | 812.8   | 150     | 84                 |
|                  | 675-692          | 34 x 260  | 10   | 812.8   | 150     | 84                 |

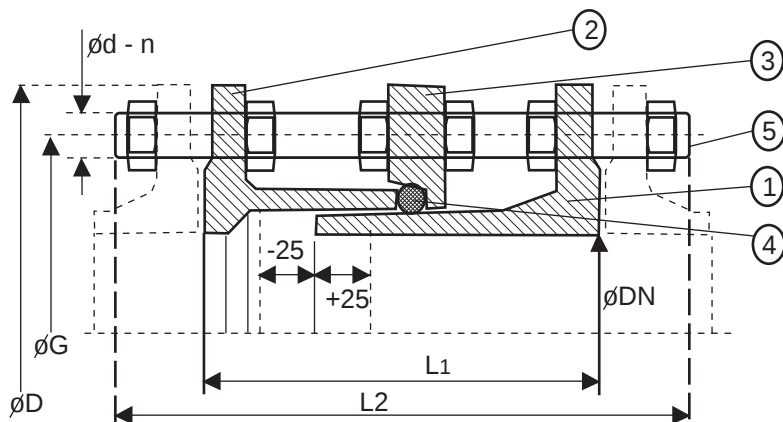
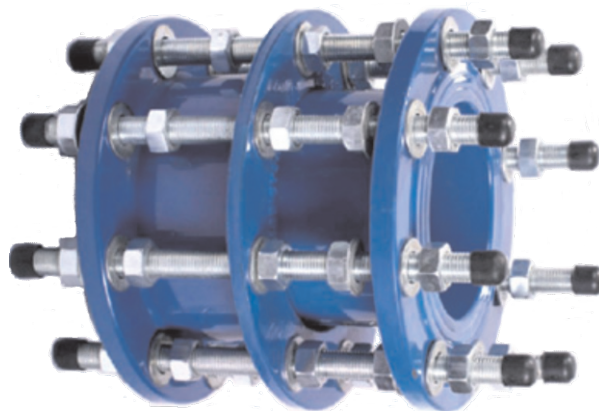


## CARRETE (COUPLE) DE DESMANTELAMIENTO

FACILITA LOS TRABAJOS DE INSTALACIÓN,  
REMOCIÓN Y/O MANTENIMIENTO  
DE CUALQUIER ELEMENTO BRIDADO  
EN LAS LÍNEAS DE CONDUCCIÓN.

SUS PARTES SON FABRICADAS EN:  
HIERRO GRIS ASTM A 126 CI-B  
HIERRO DÚCTIL ASTM A 536  
Y/O ACERO ASTM A 53, A SOLICITUD.

CON RECUBRIMIENTO COMPLETO  
DE PINTURA EPOXICA APLICADA  
ELECTROSTÁTICAMENTE Y  
TERMO FUSIONADA SEGUN AWWA C-550



| No. | PARTE           | MATERIAL               |
|-----|-----------------|------------------------|
| 1   | BRIDA ESPIGA    | ACERO                  |
| 2   | BRIDA HEMBRA    | HIERRO GRIS / DÚCTIL * |
| 3   | BRIDA RETEN     | HIERRO GRIS / DÚCTIL * |
| 4   | ANILLO          | NBR                    |
| 5   | BIRLO Y TUERCAS | ACERO GALVANIZADO**    |

\*ASTM A-216 CI-B / ASTM A-536    \*\* ACERO INOX. A SOLICITUD

| DIÁMETRO NOMINAL DN |       | DIÁMETRO DE BRIDAS D |        | ESPESOR MÍNIMO DE BRIDA e |         | DIÁMETRO LÍNEA GRAMIL G |        | LARGO DEL COUPLE L1 +25 -25 mm +2" -2" |        | DIÁMETRO y NUMERO de TALADROS d |       |        | DIÁMETRO DE LOS BIRLOS |       | LONGITUD DE LOS BIRLOS L2 |        | No. n  |
|---------------------|-------|----------------------|--------|---------------------------|---------|-------------------------|--------|----------------------------------------|--------|---------------------------------|-------|--------|------------------------|-------|---------------------------|--------|--------|
| mm                  | plg   | mm                   | plg    | mm                        | plg     | mm                      | plg    | mm                                     | plg    | mm                              | plg   | Numero | mm                     | plg   | mm                        | plg    | Piezas |
| 50.8                | 2     | 152.4                | 6      | 15.9                      | 5/8     | 120.7                   | 4 3/4  | 180                                    | 7      | 19.1                            | 3/4   | 4      | 15.9                   | 5/8   | 320                       | 11 1/2 | 4      |
| 63.5                | 2 1/2 | 177.5                | 7      | 17.5                      | 11/16   | 139.7                   | 5 1/2  | 190                                    | 7 1/2  | 19.1                            | 3/4   | 4      | 15.9                   | 5/8   | 320                       | 11 1/2 | 4      |
| 76.2                | 3     | 190.5                | 7 1/2  | 19.1                      | 3/4     | 152.4                   | 6      | 200                                    | 8      | 19.1                            | 3/4   | 4      | 15.9                   | 5/8   | 340                       | 13 1/2 | 4      |
| 101.6               | 4     | 228.6                | 9      | 23.8                      | 15/16   | 190.5                   | 7 1/2  | 200                                    | 8      | 19.1                            | 3/4   | 8      | 15.9                   | 5/8   | 340                       | 13 1/2 | 8      |
| 152.4               | 6     | 279.4                | 11     | 25.4                      | 1       | 241.3                   | 9 1/2  | 200                                    | 8      | 22.2                            | 7/8   | 8      | 19.1                   | 3/4   | 340                       | 13 1/2 | 8      |
| 203.2               | 8     | 342.9                | 13 1/2 | 28.6                      | 1 1/8   | 298.5                   | 11 3/4 | 220                                    | 8 1/2  | 22.2                            | 7/8   | 8      | 19.1                   | 3/4   | 350                       | 14     | 8      |
| 254.0               | 10    | 406.4                | 16     | 30.2                      | 1 3/16  | 362.0                   | 14 1/4 | 230                                    | 9      | 25.4                            | 1     | 12     | 22.2                   | 7/8   | 370                       | 14 1/2 | 12     |
| 304.8               | 12    | 486.2                | 19     | 31.8                      | 1 1/4   | 431.8                   | 17     | 230                                    | 9      | 25.4                            | 1     | 12     | 22.2                   | 7/8   | 390                       | 15 1/2 | 12     |
| 355.6               | 14    | 533.4                | 21     | 34.9                      | 1 3/8   | 476.3                   | 18 3/4 | 250                                    | 10     | 28.6                            | 1 1/8 | 12     | 25.4                   | 1     | 400                       | 15 1/2 | 12     |
| 406.4               | 16    | 596.9                | 23 1/2 | 36.5                      | 1 7/16  | 539.8                   | 21 1/4 | 250                                    | 10     | 28.6                            | 1 1/8 | 16     | 25.4                   | 1     | 420                       | 16 1/2 | 16     |
| 457.2               | 18    | 635.0                | 25     | 39.7                      | 1 9/16  | 577.9                   | 22 3/4 | 270                                    | 10 1/2 | 31.8                            | 1 1/4 | 16     | 28.6                   | 1 1/8 | 435                       | 17     | 16     |
| 508.0               | 20    | 698.5                | 27 1/2 | 42.9                      | 1 11/16 | 635.0                   | 25     | 280                                    | 11     | 31.8                            | 1 1/4 | 20     | 28.6                   | 1 1/8 | 440                       | 17 1/2 | 20     |
| 609.6               | 24    | 812.8                | 32     | 47.6                      | 1 7/8   | 749.3                   | 29 1/2 | 300                                    | 12     | 34.9                            | 1 3/8 | 20     | 31.8                   | 1 1/4 | 460                       | 18     | 20     |
| 762.0               | 30    | 984.3                | 38 3/4 | 54.0                      | 2 1/8   | 914.4                   | 36     | 320                                    | 11 1/2 | 34.9                            | 1 3/8 | 28     | 31.8                   | 1 1/4 | 480                       | 19     | 28     |
| 914.4               | 36    | 1168.4               | 46     | 60.3                      | 2 3/8   | 1085.9                  | 42 3/4 | 320                                    | 11 1/2 | 41.3                            | 1 5/8 | 32     | 38.1                   | 1 1/2 | 500                       | 20     | 32     |
| 1066.8              | 42    | 1346.2               | 53     | 66.7                      | 2 5/8   | 1257.3                  | 49 1/2 | 350                                    | 13 1/2 | 41.3                            | 1 5/8 | 36     | 38.1                   | 1 1/2 | 545                       | 21 1/2 | 36     |
| 1219.2              | 48    | 1511.3               | 59 1/2 | 69.9                      | 2 3/4   | 1422.4                  | 56     | 370                                    | 14 1/2 | 41.3                            | 1 5/8 | 44     | 38.1                   | 1 1/2 | 580                       | 23     | 44     |



# CONEXIONES MYMACO Y VÁLVULAS RUD

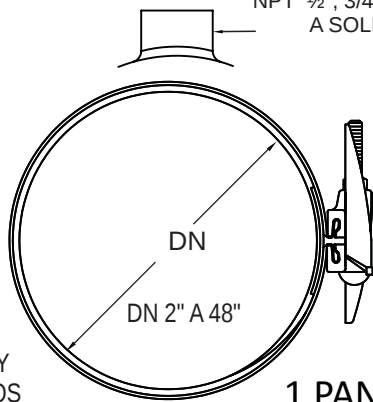


## ABRAZADERAS DE REPARACIÓN DE ACERO INOXIDABLE CON GRAPAS DE HIERRO DÚCTIL

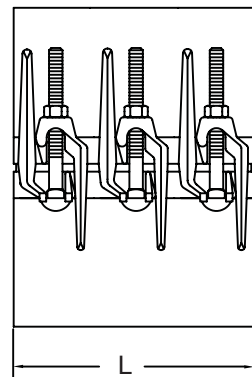


LAS GRAPAS DE SUJECIÓN DE LA ABRAZADERA SON FABRICADAS EN HIERRO DÚCTIL DE ALTA RESISTENCIA Y SUS TORNILLOS, CABEZA COCHE GRADO 5 CADMINIZADOS PARA UNA FÁCIL INSTILACIÓN Y LARGA DURACIÓN

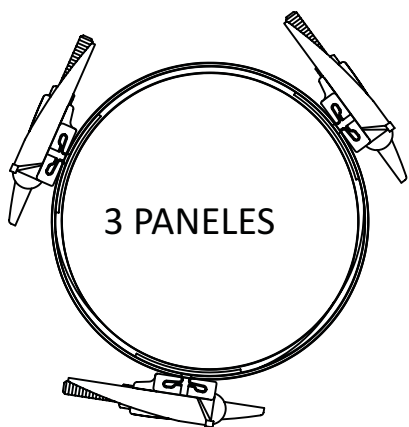
TOMA ó DESCARGA ROSCADA  
NPT 1/2", 3/4", 1", 1 1/2", 2"  
A SOLICITUD



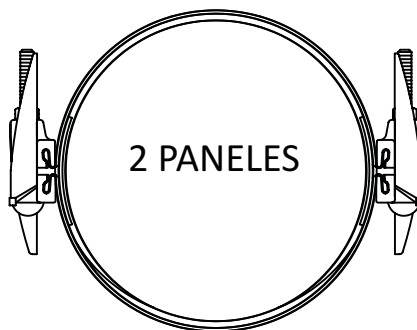
1 PANEL



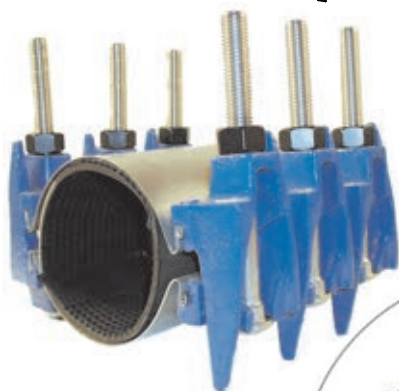
6", 8", 12", 16", 24"



3 PANELES



2 PANELES



| DN        | PANELES       | CALIBRE |
|-----------|---------------|---------|
| 2"-3"     | 1 PANEL       | 24      |
| 4"-12"    | 1 ó 2 PANELES | 20      |
| 14" - 30" | 2 PANELES     | 20      |
| 36" A 48" | 3 PANELES     | 20      |

| LARGO "L" | Numero de tornillos<br>por c/union de panel |          |
|-----------|---------------------------------------------|----------|
|           | 5/8 x 6"                                    | 5/8 x 7" |
| 6"        | 1                                           | 1        |
| 8"        | 2                                           | 1        |
| 12"       | 3                                           | 1        |
| 16"       | 4                                           | 2        |
| 24"       | 6                                           | 3        |



## COPLE DRESMEX

El Cople DresMex, es fabricado con barril de acero rolado en frio y bridas de hierro, bajo la norma ANSI/AWWA C-219, es recomendable para unir y repara tuberías, tambien donde se requiera tener gran flexibilidad para el tendido de la linea de conducción y puede absorber sin problemas vibraciones o movimientos en dicha linea.

Se puede utilizar en tuberías de Asbesto-Cemento, Polietileno, PVC, Hierro Dúctil y Acero.

### Estilo 38 corto



### Estilo 40 largo



### Estilos Disponibles:

Se fabrican 3 modelos o estilos:

**\*Estilo 38, \*Estilo 40 y \*Estilo 162:**

Para formar uniones de Tubo de Asbesto, PVC, Hierro Dúctil y/o Acero.

El cople Estilo 40 posee las mismas características del estilo 38, la diferencia es que al tener un cilindro de 12" de largo permite unir tuberías con una distancia mayor entre ellas.

**\*Estilo 162:** Cople de transición con barril tipo reducción campana, para unir: Asbesto-PVC, Asbesto-Acero, etc. Será indispensable que se proporcione el diámetro exterior de los tubos a unir.

### Características:

Los tornillos y tuercas son de acero grado 5 alta resistencia.

Su instalación es fácil, rápida y segura.

Se puede fabricar en largos y diámetros especiales.

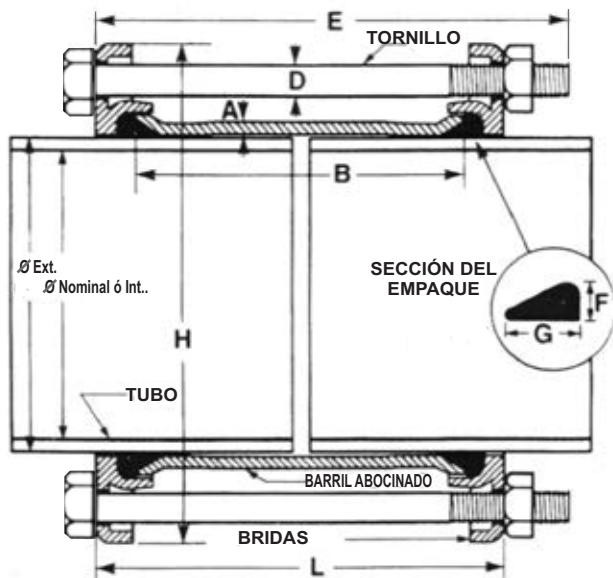
Nos reserva el derecho de cambiar o modificar los diseños asegurando siempre que no se afecte el óptimo desempeño del producto.



## Características:

El Cople DresMex consiste en un anillo cilíndrico central, dos bridas exteriores, dos empaques de SBR o Buna N, tornillos y tuercas. Su sello es hermético en todo el perímetro exterior del tubo, manteniéndolo a pesar de los pequeños movimientos que puedan ocurrir en la tubería, ideal para líneas superficiales.

| TUBO Medidas en Pulgadas |                   | BARRIL  |       | TORNILLOS |             | Seccn. Empaque |        | Dimensiones |       | Presión    | Peso   |
|--------------------------|-------------------|---------|-------|-----------|-------------|----------------|--------|-------------|-------|------------|--------|
| Diametro Int.            | Diametro Exterior | Espesor | Largo | Cant.     | Dimenc.     | Espesor        | Largo  | Generales   |       | de Trabajo | Aprox. |
| Nominal                  |                   | A       | B     | D         | E           | F              | G      | H           | L     | PSI        | Kg     |
| 1                        | 1.315             | 0.134   | 5     | 2         | 1/2 x 7     | 9/32           | 9/16   | 4 1/16      | 5 7/8 | 1500       | 2      |
| 1 1/4                    | 1.660             | 0.140   | 5     | 2         | 1/2 x 7     | 9/32           | 9/16   | 4 7/16      | 5 7/8 | 1500       | 2      |
| 1 1/2                    | 1.900             | 0.148   | 5     | 2         | 1/2 x 7     | 11/32          | 5/8    | 4 3/4       | 5 7/8 | 1500       | 2      |
| 2                        | 2.375             | 0.154   | 5     | 2         | 5/8 x 8 1/2 | 1/2            | 29/32  | 6           | 6 5/8 | 1500       | 3      |
| 3                        | 3.500             | 0.156   | 5     | 4         | 5/8 x 8 1/2 | 1/2            | 29/32  | 7 3/8       | 7     | 1100       | 6      |
| 4                        | 4.500             | 0.188   | 5     | 4         | 5/8 x 8 1/2 | 1/2            | 29/32  | 8 3/4       | 7     | 1100       | 8      |
| 5                        | 5.563             | 0.250   | 5     | 4         | 5/8 x 8 1/2 | 1/2            | 29/32  | 9 5/8       | 6 3/4 | 1100       | 11     |
| 6                        | 6.625             | 0.250   | 5     | 6         | 5/8 x 8 1/2 | 1/2            | 1      | 11 1/4      | 6 7/8 | 1000       | 12     |
| 8                        | 8.625             | 0.250   | 5     | 6         | 5/8 x 8 1/2 | 1/2            | 1 1/16 | 13 1/4      | 6 7/8 | 800        | 15     |
| 10                       | 10.750            | 0.250   | 5     | 8         | 5/8 x 8 1/2 | 1/2            | 1 1/16 | 14 5/8      | 6 7/8 | 650        | 18     |
| 12                       | 12.750            | 0.250   | 5     | 8         | 5/8 x 8 1/4 | 1/2            | 1 1/16 | 16 3/4      | 6 7/8 | 550        | 20     |



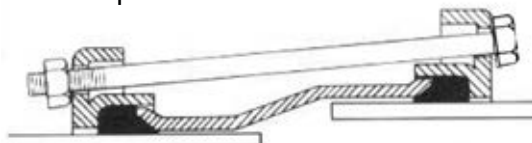
| TUBO Medidas en Pulgadas |                   | BARRIL  |       | TORNILLOS |              | Dimensiones |       | Presión    | Peso   |
|--------------------------|-------------------|---------|-------|-----------|--------------|-------------|-------|------------|--------|
| Diametro Int.            | Diametro Exterior | Espesor | Largo | Cant.     | Dimenc.      | Generales   |       | de Trabajo | Aprox. |
| Nominal                  |                   | A       | B     | D         | E            | H           | L     | PSI        | Kg     |
| 14                       | 14.000            | 0.250   | 7     | 8         | 5/8 x 10 3/4 | 18          | 9 1/8 | 500        | 27     |
| 16                       | 16.000            | 0.250   | 7     | 10        | 5/8 x 10 3/4 | 20          | 9 1/8 | 450        | 32     |
| 18                       | 18.000            | 0.250   | 7     | 10        | 5/8 x 10 3/4 | 22          | 9 1/8 | 400        | 34     |
| 20                       | 20.000            | 0.250   | 7     | 12        | 5/8 x 10 3/4 | 24          | 9 1/8 | 350        | 39     |
| 24                       | 24.000            | 0.250   | 7     | 14        | 5/8 x 10 3/4 | 28          | 9 1/8 | 300        | 48     |
| 30                       | 30.000            | 0.250   | 7     | 16        | 5/8 x 10 3/4 | 34          | 9 1/8 | 250        | 55     |
| 36                       | 36.000            | 0.375   | 7     | 18        | 5/8 x 10 3/4 | 40          | 9 1/8 | 250        | 82     |
| 42                       | 42.000            | 0.500   | 10    | 20        | 5/8 x 15     | 47          | 4 1/4 | 250        | 160    |
| 48                       | 48.000            | 0.500   | 10    | 22        | 5/8 x 15     | 53          | 4 1/4 | 250        | 182    |

## Características del Estilo 162

El Cople DresMex estilo 162 consiste en un anillo central tipo reducción campana que le permite unir tubos de diferente diametro consta ademas de sus respectiva bridas exteriores, dos empaques de SBR o Buna N, tornillos y tuercas Su sello es hermético todo el perímetro exterior del tubo.



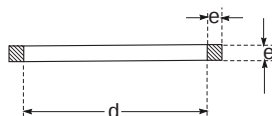
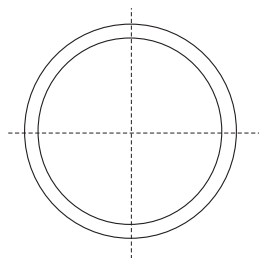
Para unir tuberías de diámetro similares  
Se varia el espesor del empaque



Para unir tuberías de diámetro disimiles  
Se realiza con un barril reductor,  
semejando a una reducción campana



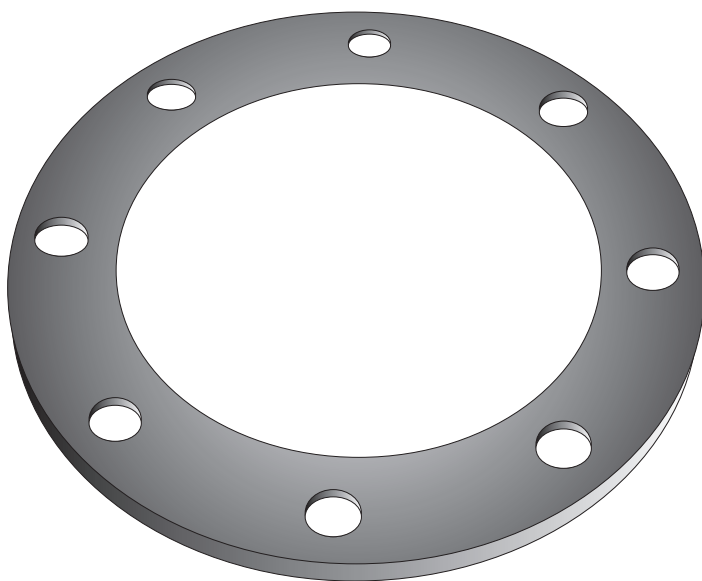
## EMPAQUES PARA JUNTAS GIBAULT



| TODOS LOS EMPAQUES ESTÁN FABRICADOS CON 66% HULE NATURAL y SECCIÓN CUADRADA |       |                  |           |                 |
|-----------------------------------------------------------------------------|-------|------------------|-----------|-----------------|
| DIÁMETRO NOMINAL                                                            |       | TIPOS DE EMPAQUE |           |                 |
|                                                                             |       | NORMAL           | REFORZADO | SÚPER REFORZADO |
| d                                                                           |       | e                | e         | e               |
| mm                                                                          | plg   | mm               | mm        | mm              |
| 50.8                                                                        | 2     | 10.8             | -         | -               |
| 63.5                                                                        | 2 1/2 | 11.6             | 14.2      | -               |
| 76.2                                                                        | 3     | 12.4             | 14.2      | 15.8            |
| 101.6                                                                       | 4     | 13.2             | 15.9      | 17.1            |
| 152.4                                                                       | 6     | 13.2             | 15.9      | 19.5            |
| 203.6                                                                       | 8     | 13.2             | 17.1      | 20.0            |
| 254.0                                                                       | 10    | 13.2             | 17.1      | 20.9            |
| 304.8                                                                       | 12    | 14.8             | 17.1      | 23.9            |
| 355.6                                                                       | 14    | 15.3             | 19.1      | 23.9            |
| 406.4                                                                       | 16    | 17.1             | 19.1      | 23.9            |
| 457.2                                                                       | 18    | 17.9             | 19.1      | 26.7            |
| 508.0                                                                       | 20    | 17.9             | 19.1      | 26.7            |
| 609.6                                                                       | 24    | 17.9             | 22.2      | 27.9            |
| 762.0                                                                       | 30    | -                | 24.2      | -               |
| 914.4                                                                       | 36    | -                | 24.2      | -               |

NOTA: El diámetro real de los empaques es menor que el diámetro nominal.

## EMPAQUE DE NEOPRENO PARA BRIDA CARA LLENA



FABRICADAS PARA UNIONES BRIDADAS BAJO NORMA:  
A.N.S.I. B 16.1 DE 2" A 36"

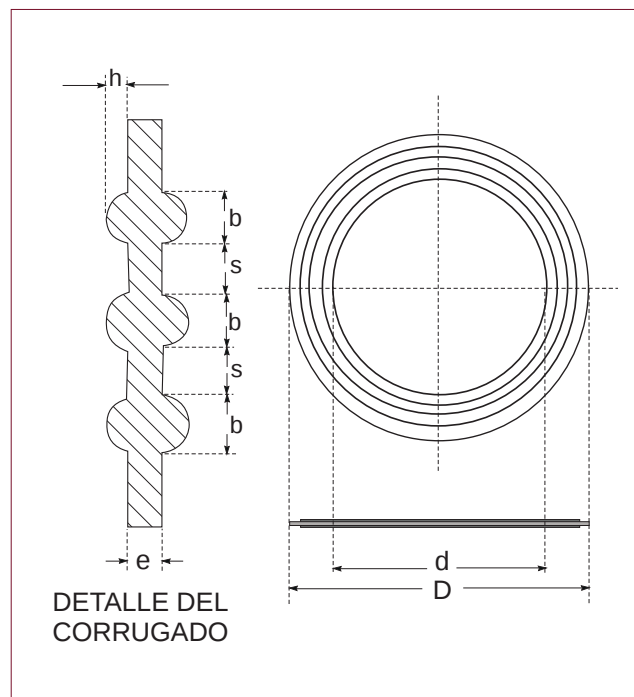
LAS DIMENSIONES GENERALES DE ESTE EMPAQUE PERMITEN UN SELLADO HERMÉTICO, EN LAS UNIONES BRIDAS

SE FABRICA EN 1/8 " DE ESPESOR Y CON NEOPRENO DE PRIMERA CALIDAD

SOBRE PEDIDO TAMBIEN PODEMOS SURTIRLO CON NEOPRENO ENLONADO



## EMPAQUES DE PLOMO

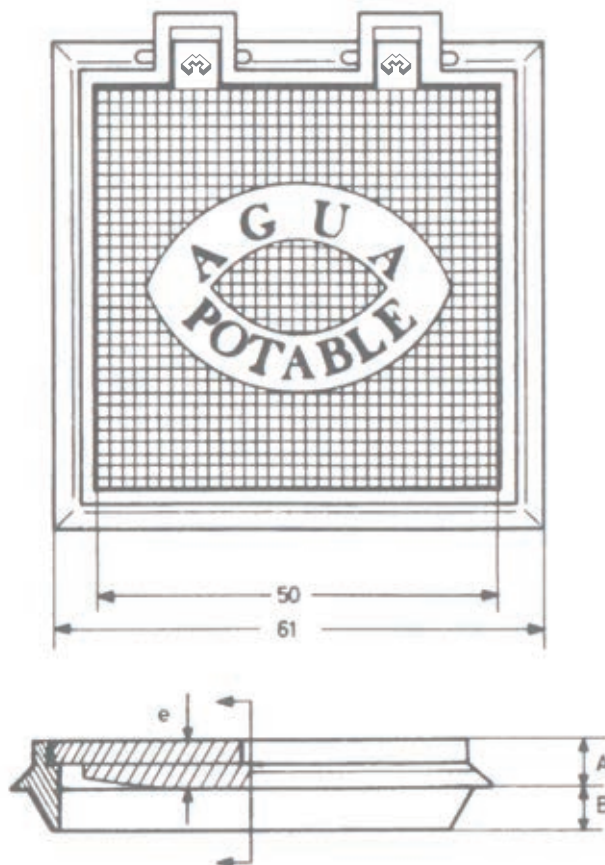
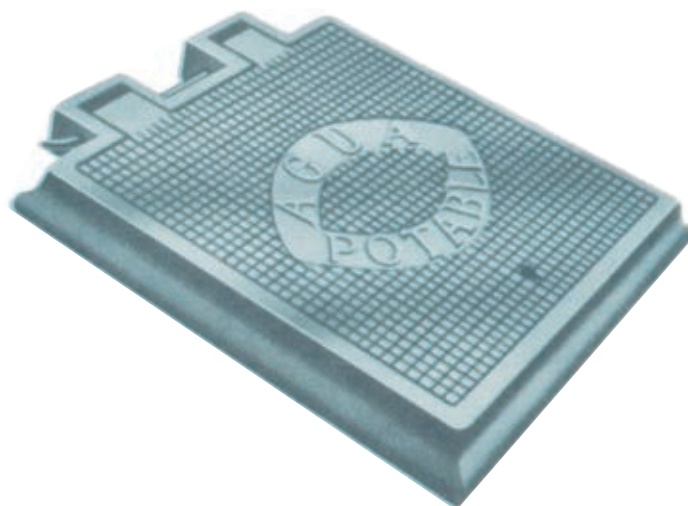


## ESPECIFICACIONES

| DIÁMETRO NOMINAL DEL EMPAQUE |       | DIÁMETRO INTERIOR |        | DIÁMETRO EXTERIOR |        | ESPESOR | ANCHO CORRUGADO y ALTURA | SEPARACIÓN CORRUGADO | PESO APROX |
|------------------------------|-------|-------------------|--------|-------------------|--------|---------|--------------------------|----------------------|------------|
| d                            |       | D                 |        | e                 |        | bxh     |                          | S                    |            |
| mm                           | plg   | mm                | plg    | mm                | plg    | mm      | mm                       | mm                   | Kg         |
| 50.8                         | 2     | 54.0              | 2 1/8  | 104.8             | 4 1/8  | 2       | 1.5 x 0.75               | 9.0                  | 0.150      |
| 63.5                         | 2 1/2 | 66.7              | 2 5/8  | 123.8             | 4 7/8  | 2       | 1.5 x 0.75               | 10.0                 | 0.200      |
| 76.2                         | 3     | 79.4              | 3 1/8  | 136.5             | 5 3/8  | 2       | 1.5 x 0.75               | 10.0                 | 0.230      |
| 101.6                        | 4     | 104.8             | 4 1/8  | 174.6             | 6 7/8  | 2       | 1.5 x 0.75               | 12.0                 | 0.360      |
| 152.4                        | 6     | 155.6             | 6 1/8  | 222.3             | 8 3/4  | 2       | 1.5 x 0.75               | 11.0                 | 0.480      |
| 203.2                        | 8     | 206.4             | 8 1/8  | 279.4             | 11     | 3       | 1.5 x 0.75               | 12.0                 | 0.980      |
| 254.0                        | 10    | 257.2             | 10 1/8 | 339.7             | 13 3/8 | 3       | 2.0 x 1.00               | 10.0                 | 1.380      |
| 304.8                        | 12    | 308.0             | 12 1/8 | 409.6             | 16 1/8 | 3       | 2.0 x 1.00               | 12.5                 | 2.020      |
| 355.6                        | 14    | 358.8             | 14 1/8 | 450.9             | 17 3/4 | 4       | 2.0 x 1.00               | 11.5                 | 2.720      |
| 406.4                        | 16    | 409.6             | 16 1/8 | 514.4             | 20 1/4 | 4       | 2.0 x 1.00               | 13.0                 | 3.520      |
| 457.2                        | 18    | 460.4             | 18 1/8 | 549.3             | 21 5/8 | 5       | 2.0 x 1.00               | 11.0                 | 4.070      |
| 508.0                        | 20    | 511.2             | 20 1/8 | 606.4             | 23 7/8 | 5       | 2.0 x 1.00               | 12.0                 | 4.820      |
| 609.6                        | 24    | 612.8             | 24 1/8 | 717.6             | 28 1/4 | 5       | 2.5 x 1.25               | 13.0                 | 6.410      |
| 762.0                        | 30    | 774.7             | 30 1/8 | 882.7             | 34 3/4 | 5       | 2.5 x 1.25               | 14.0                 | 8.860      |
| 914.4                        | 36    | 917.6             | 36 1/8 | 1047.8            | 41 1/4 | 5       | 2.5 x 1.25               | 16.0                 | 11.650     |
| 1066.8                       | 42    | 1070.0            | 42 1/8 | 1219.2            | 48     | 5       | 2.5 x 1.25               | 16.0                 | 15.400     |
| 1219.2                       | 48    | 1222.3            | 48 1/8 | 1403.4            | 55 1/4 | 5       | 2.5 x 1.25               | 16.0                 | 21.540     |



## MARCOS CON TAPA



## ESPECIFICACIONES

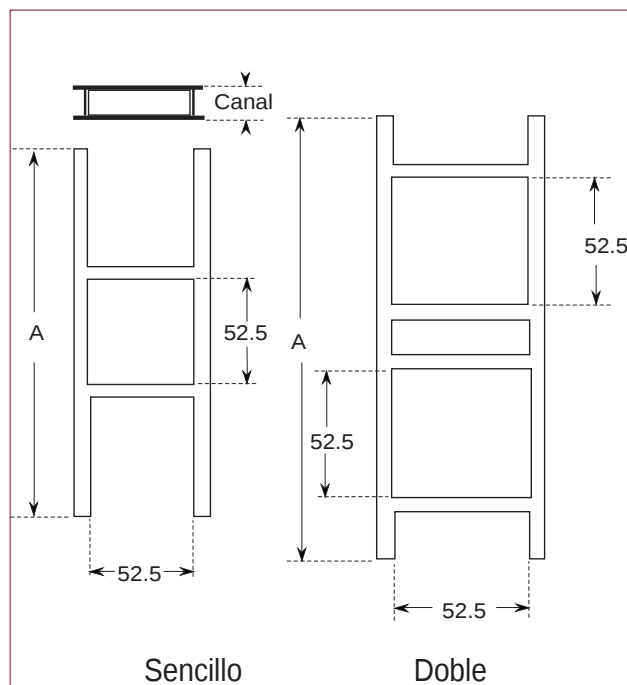
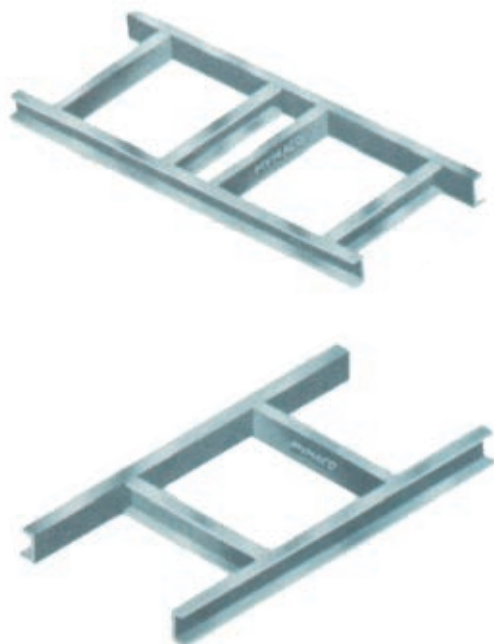
| TIPO      | A  | B  | TAPA<br>Espesor | PESO<br>kg |
|-----------|----|----|-----------------|------------|
| Pesado    | 70 | 51 | 32              | 130        |
| Mediano   | 64 | 22 | 32              | 110        |
| Ligero    | 55 | 18 | 28              | 95         |
| Comercial | 46 | 12 | 24              | 75         |

LEYENDAS EN LAS TAPAS; Agua potable, válvula de incendio, pozo de incendio.

NOTA: Las normas de las dependencias OFICIALES y del D.D.F. especifican marco con tapa de 130 kg (pesado).



## CONTRAMARCOS



## NORMAS DE LAS DEPENDENCIAS OFICIALES

| Sencillo Centrado o Descentrado |     |      |
|---------------------------------|-----|------|
| CANAL                           | A   | PESO |
| plg                             | cm  | kg   |
| 4                               | 80  | 23   |
| 4                               | 90  | 25   |
| 4                               | 105 | 27   |
| 4                               | 110 | 28   |
| 4                               | 130 | 31   |
| 4                               | 140 | 33   |
| 4                               | 180 | 40   |
| 4                               | 210 | 44   |
| 6                               | 140 | 50   |
| 6                               | 180 | 62   |
| 6                               | 210 | 66   |
| Doble                           |     |      |
| CANAL                           | A   | PESO |
| plg                             | cm  | kg   |
| 4                               | 140 | 42   |
| 4                               | 180 | 49   |
| 4                               | 210 | 54   |
| 6                               | 140 | 62   |
| 6                               | 180 | 73   |
| 6                               | 210 | 80   |

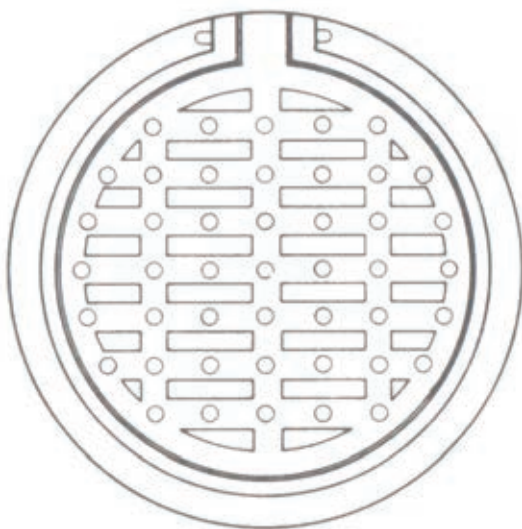
| DATOS DE CONTRAMARCOS PARA CAJAS DE VÁLVULAS<br>ESPECIFICACIONES OFICIALES |                            |                            |                      |                 |           |              |             |      |
|----------------------------------------------------------------------------|----------------------------|----------------------------|----------------------|-----------------|-----------|--------------|-------------|------|
| CAJA<br>TIPO<br>Nº                                                         | DIÁMETRO<br>DE<br>VÁLVULAS | CANTIDAD<br>DE<br>VÁLVULAS | CONTRAMARCOS         |                 |           |              |             |      |
|                                                                            |                            |                            | SENCILLO<br>CENTRADO | DESCENT<br>RADO | DOB<br>LE | CANTI<br>DAD | CANAL<br>DE | TOT. |
|                                                                            | plg                        |                            |                      |                 |           |              | plg         | kg   |
| 1                                                                          | 2 y 2 1/2                  | 1                          | 90                   |                 |           | 1            | 4           | 25   |
| 2                                                                          | 3 a 6                      | 1                          | 110                  |                 |           | 1            | 4           | 28   |
| 3                                                                          | 8 a 14                     | 1                          | 140                  |                 |           | 1            | 6           | 50   |
| 4                                                                          | 18 y 20                    | 1                          | 180                  |                 |           | 1            | 6           | 62   |
| 5                                                                          | 2 a 6                      | 2                          | 110                  |                 |           | 2            | 4           | 56   |
| 6                                                                          | 6 y 8                      | 2                          |                      |                 | 180       | 1            | 6           | 73   |
| 7                                                                          | 10 a 14                    | 2                          | 180                  |                 |           | 2            | 6           | 124  |
| 8                                                                          | 14 a 18                    | 2                          | 180                  |                 |           | 2            | 6           | 124  |
| 9                                                                          | 2 a 6                      | 2                          |                      | 140             |           | 2            | 4           | 66   |
| 10                                                                         | 6 a 10                     | 2                          |                      | 140             |           | 2            | 4           | 66   |
| 11                                                                         | 10 a 14                    | 2                          |                      | 180             |           | 2            | 6           | 124  |
| 12                                                                         | 2 a 6                      | 3                          | 180                  |                 | 180       | 2            | 4           | 89   |
| 13                                                                         | 8 a 18                     | 3                          |                      | 180             |           | 3            | 6           | 186  |



## BROCALES PARA POZO DE VISITA



## ESPECIFICACIONES

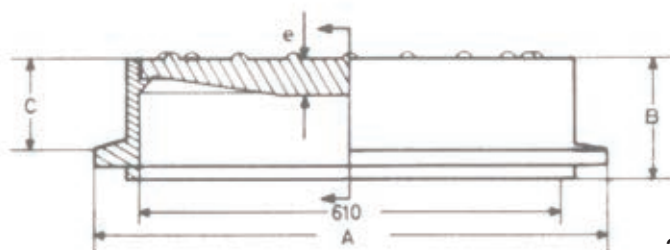


|                    | A   | B   | C   | e<br>Tapa | Peso<br>kg |
|--------------------|-----|-----|-----|-----------|------------|
| Pesado Tipo D.D.F* | 765 | 170 | 120 | 65        | 160        |
| Pesado **          | 730 | 145 | 100 | 52        | 130        |
| Mediano            | 725 | 135 | 105 | 52        | 110        |
| Ligero             | 725 | 135 | 105 | 47        | 90         |
| Pesado ciego DDF * | 765 | 170 | 120 | 65        | 165        |
| Pesado ciego **    | 730 | 145 | 100 | 52        | 135        |
| Mediano ciego **   | 725 | 135 | 105 | 52        | 115        |
| Ligero ciego       | 725 | 135 | 105 | 47        | 95         |

NOTA Cotas en milímetros .

\*Según especificaciones del D.D.F.

\*\*Según especificaciones OFICIALES.

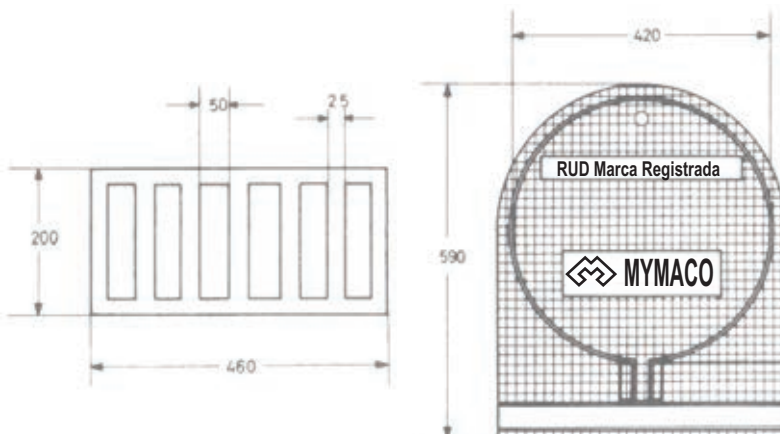
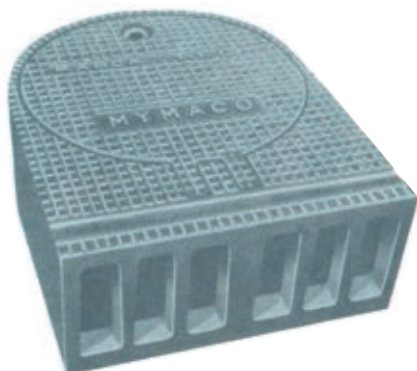




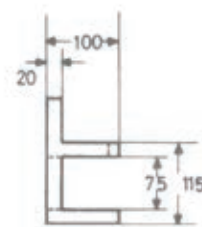
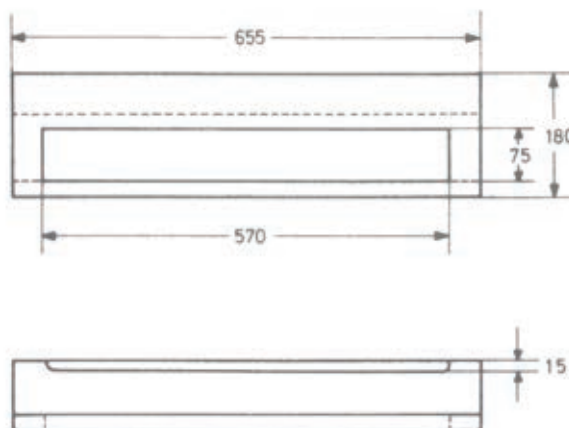
# CONEXIONES MYMACO Y VÁLVULAS RUD



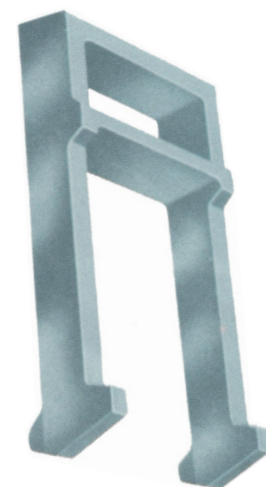
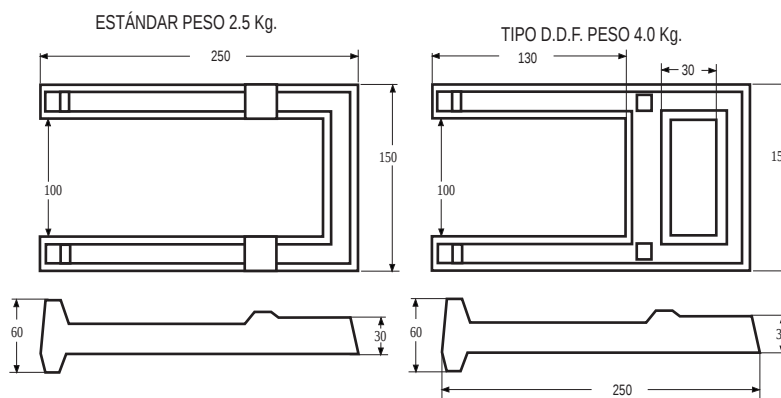
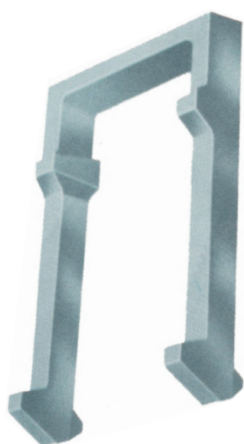
## COLADERA PLUVIAL DE 75 Kg.



## BOCA DE TORMENTA PARA CUNETA DE 25 Kg.



## ESCALONES PARA POZO DE VISITA



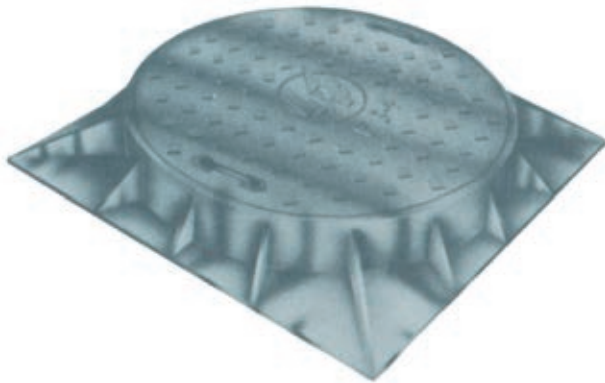


# CONEXIONES MYMACO Y VÁLVULAS RUD

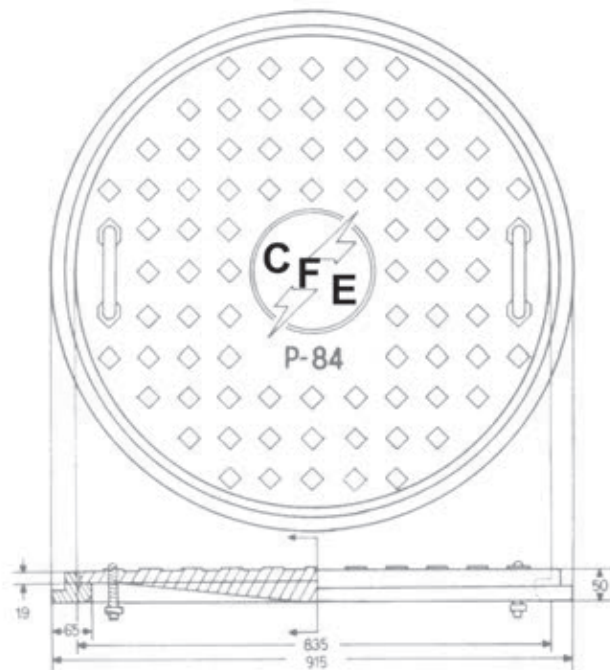
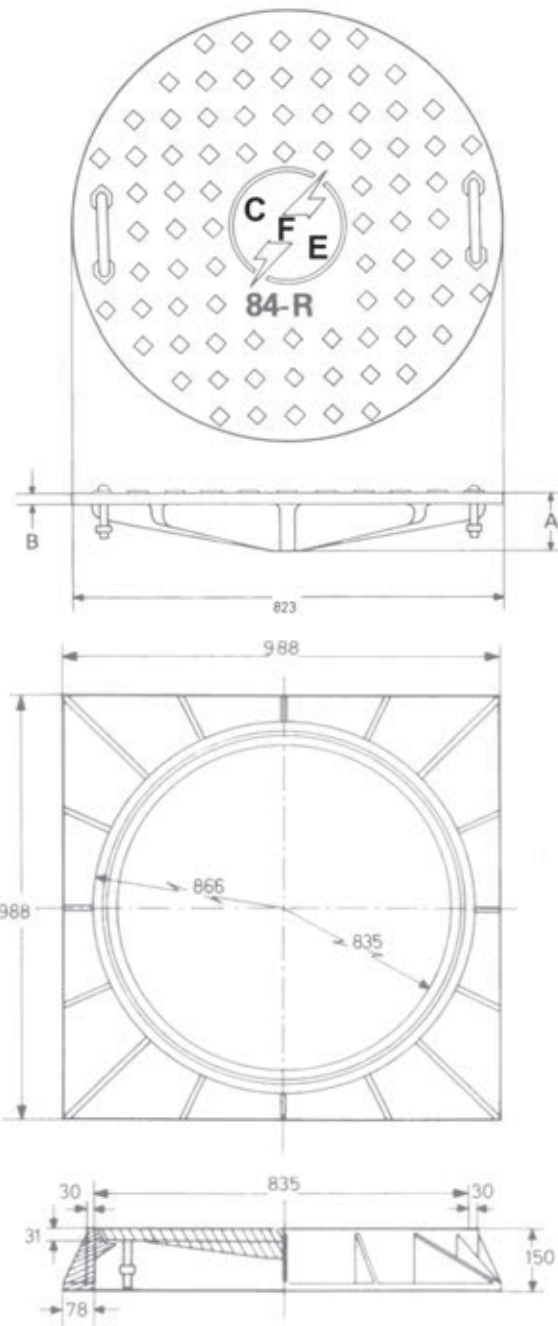


ARO Y MARCO CON TAPA P-84

TAPAS P-84 Y 84-R



SE FABRICAN CON LETRERO CFE, IMSS ó EL QUE SOLICITE



PARA USO EN BANQUETAS, ÁREAS PEATONALES O DONDE NO SE TENGA TRAFICO DE VEHÍCULOS PESADOS

| DIMENSIONES EN mm PESO EN Kg | A   | B  | PESO |
|------------------------------|-----|----|------|
| TAPA P-84 SOLA               | 56  | 19 | 75   |
| TAPA P-84-R SOLA             | 150 | 30 | 150  |
| ARO P-84 SOLO                |     |    | 50   |
| MARCO P-84 SOLO*             |     |    | 110  |

\*PARA USO EN LUGARES CON TRAFICO DE VEHÍCULOS PESADOS EN COMBINACIÓN CON TAPA P-80-R



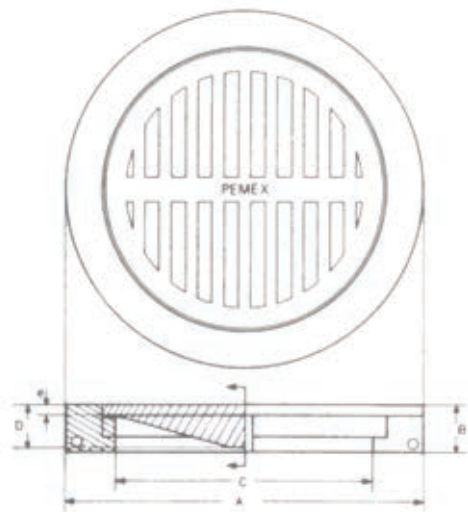
## BROCALES PEMEX 1321



1321 T-1 M-1  
1321 T-2 M-2



1321 T-4 M-4  
1321 T-5 M-5



| TAPA | MARCO | A   | B   | C   | D   | e  | TIPO DE TAPA | PESO TOT. |
|------|-------|-----|-----|-----|-----|----|--------------|-----------|
| T1   | M1    | 850 | 100 | 610 | 40  | 20 | CIEGA        | 136       |
| T2   | M2    | 850 | 125 | 610 | 70  | 25 | CIEGA        | 188       |
| T4   | M4    | 750 | 100 | 510 | 100 | 30 | CON REJILLA  | 122       |
| T5   | M5    | 850 | 100 | 610 | 100 | 30 | CON REJILLA  | 145       |

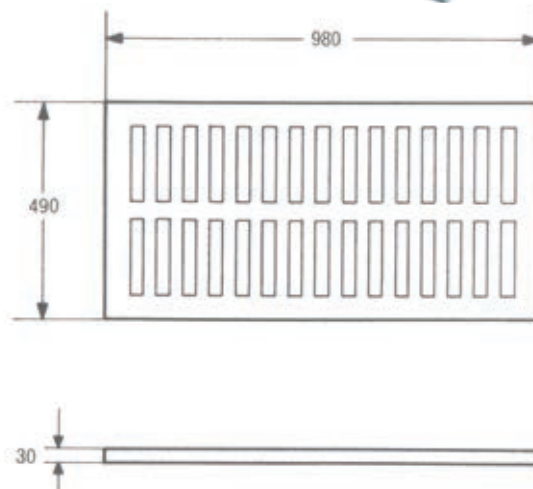
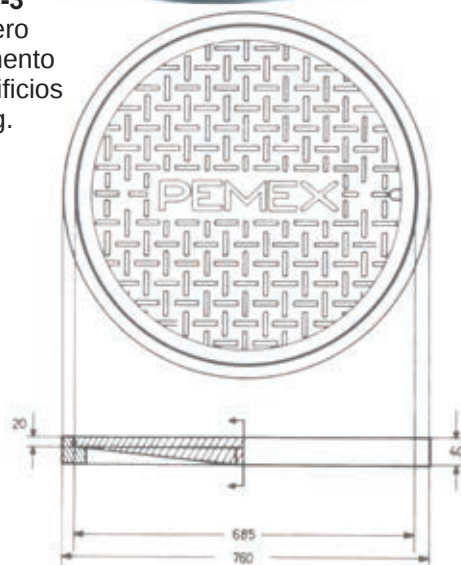
NOTA: Para uso en áreas pavimentadas.

## BROCAL PEMEX 1321 T-3 M-3

## REJILLA 1321-RG PEMEX



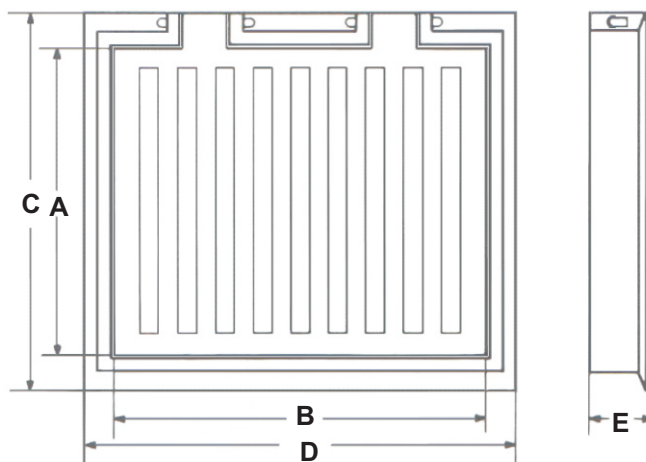
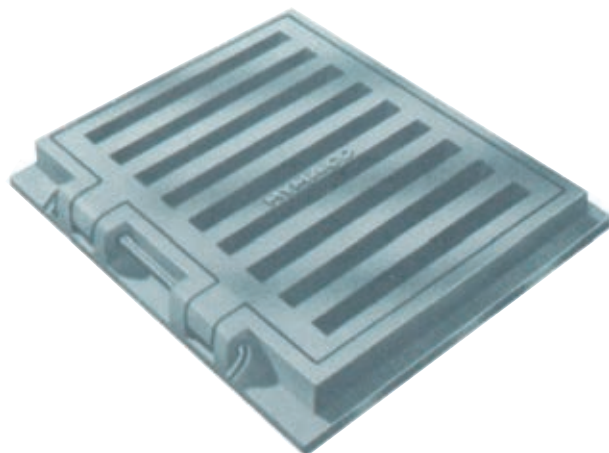
**BROCAL  
1321 T-3 M-3**  
para uso ligero  
fuera de pavimento  
o interior de edificios  
Peso 83 Kg.



**REJILLA 1321-RG**  
para coladera  
Peso 70 Kg.

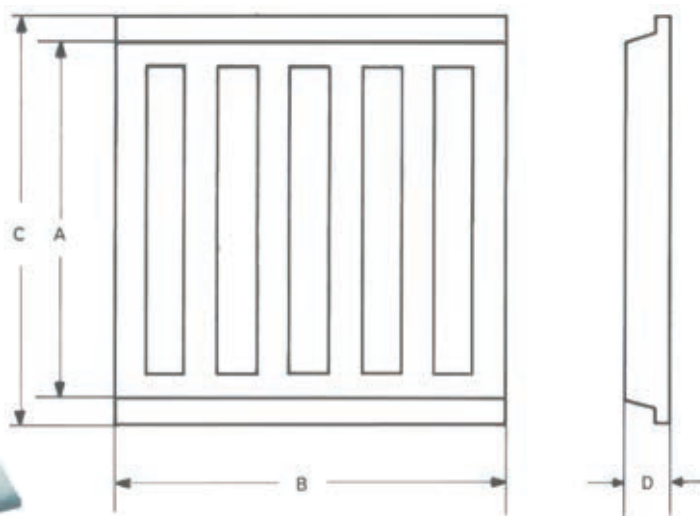
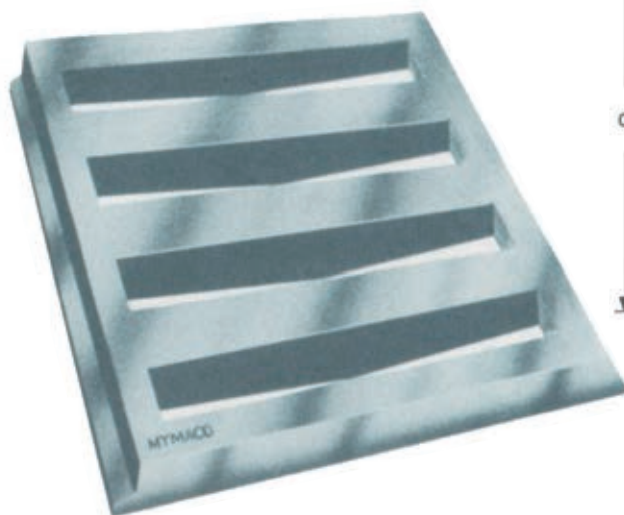


## REJILLA CON BISAGRAS Y REJILLAS FIJAS



| DENOMINACIÓN      | A   | B   | C   | D   | E   | No. DE BISAGRAS | PESO kg |
|-------------------|-----|-----|-----|-----|-----|-----------------|---------|
| 45 x 45           | 450 | 450 | 560 | 520 | 70  | 1               | 80      |
| 50 x 50           | 500 | 500 | 660 | 610 | 75  | 1               | 105     |
| 40 x 60           | 380 | 570 | 555 | 675 | 85  | 2               | 105     |
| 40 x 60 COMERCIAL | 380 | 570 | 555 | 675 | 85  | 2               | 70      |
| 60 x 70           | 550 | 700 | 700 | 800 | 100 | 2               | 168     |
| 60 x 70 COMERCIAL | 550 | 700 | 700 | 800 | 85  | 2               | 110     |

Dimensiones en mm



|         | A   | B   | C   | E  | PESO kg |
|---------|-----|-----|-----|----|---------|
| 45 x 45 | 450 | 450 | 520 | 60 | 47      |
| 50 x 50 | 500 | 500 | 560 | 63 | 68      |
| 40 x 60 | 400 | 595 | 450 | 60 | 50      |
| 60 x 70 | 570 | 710 | 660 | 90 | 134     |

Dimensiones en mm



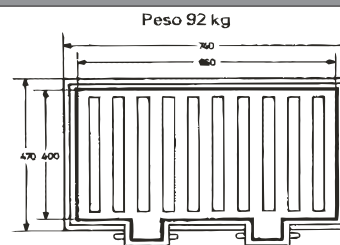
# CONEXIONES MYMACO Y VÁLVULAS RUD



## REJILLA CURVA



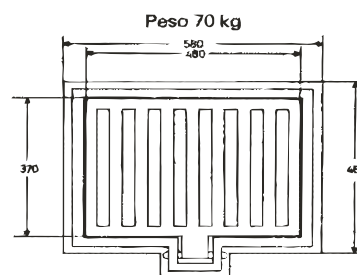
## ESPECIFICACIONES



## REJILLA PECHO DE PALOMA



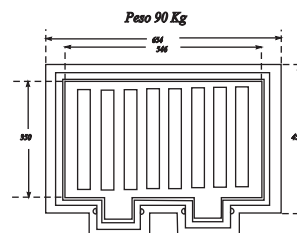
## ESPECIFICACIONES



## REJ. ESTACIONAMIENTO.



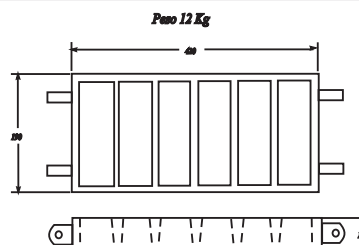
## ESPECIFICACIONES



## REJ. COLADERA CONCRETO

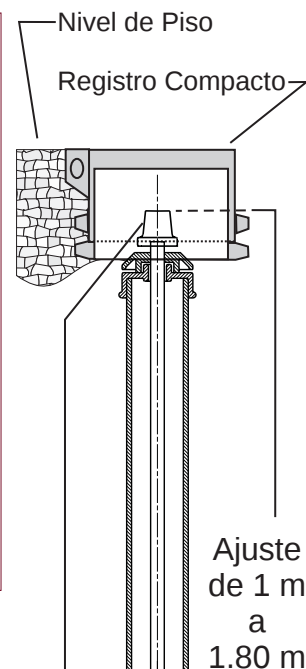
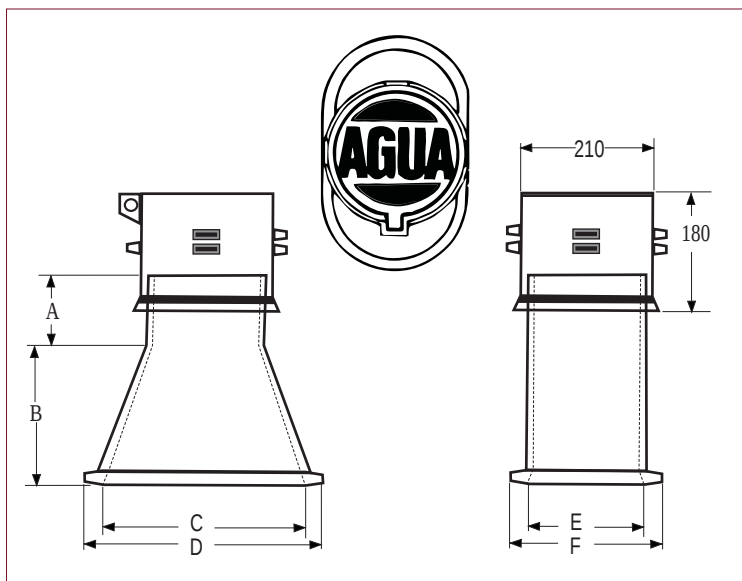


## ESPECIFICACIONES





## CAMPANAS PARA OPERACIÓN DE VÁLVULAS y EJE TELESCÓPICO



## ESPECIFICACIONES

| CAMPANA   |        | A   | B   | C   | D   | E   | F   | PESO |
|-----------|--------|-----|-----|-----|-----|-----|-----|------|
| mm        | plg    |     |     |     |     |     |     | kg   |
| 76 a 152  | 3 a 6  | 110 | 220 | 330 | 390 | 152 | 230 | 33   |
| 203 a 250 | 8 a 10 | 130 | 345 | 400 | 490 | 254 | 340 | 43   |

NOTA: Cotas en milímetros

## EJE TELESCÓPICO UNIVERSAL PARA VÁLVULAS CON DADO OPERADOR TIPO AWWA de 2" x 2" x 2"

El eje de extensión telescópico permite un ajuste progresivo, de 1 metros por encima del dado operador, a un máximo de 2 metros, a nivel de suelo, quedando el dado superior dentro de el registro compacto de 6"

## REGISTRO COMPACTO DE 6" PARA EJE TELESCÓPICO



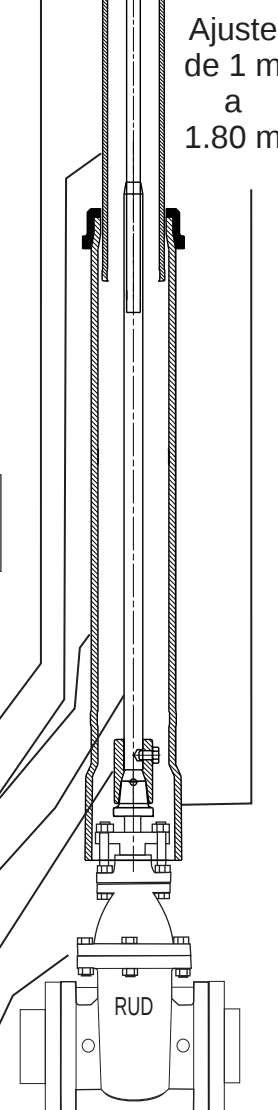
Dado superior de hierro gris

Tubos protectores de PVC

Ejes de PTR Galvanizado

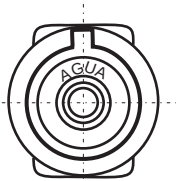
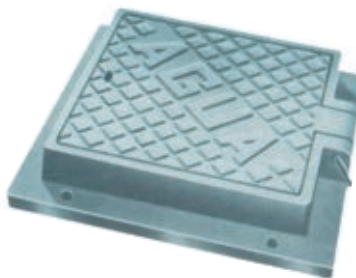
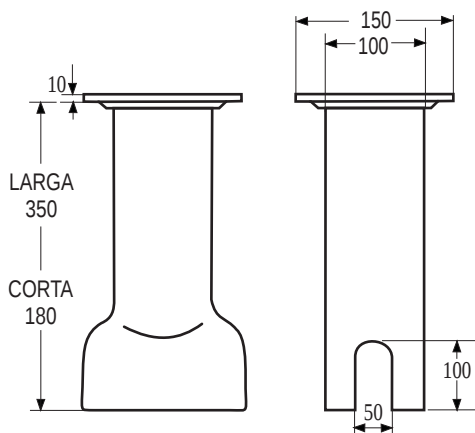
Conector inferior de hierro Dúctil

Válvula compuerta



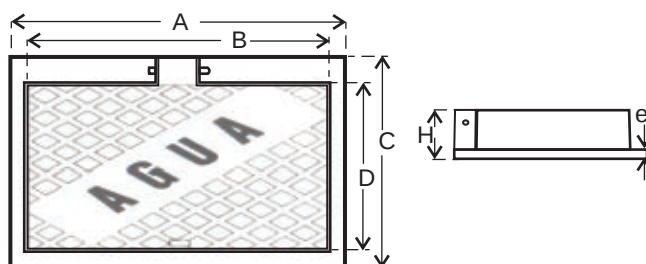


## CAJA PARA LLAVE DE BANQUETA Y REGISTRÓ MEDIDOR



CAJA (BOTA)  
LARGA 5.2 Kg.

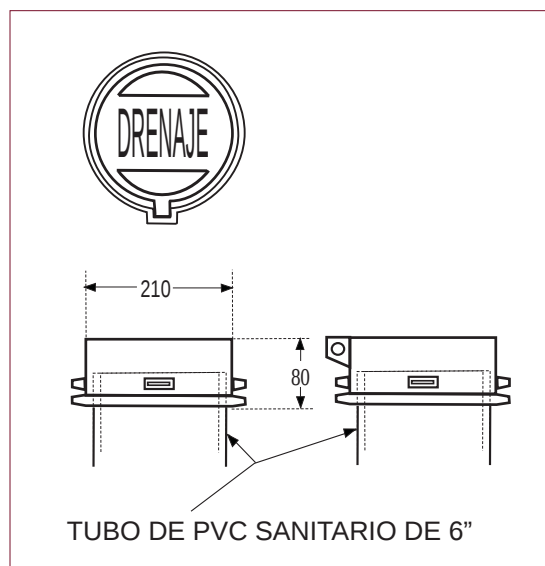
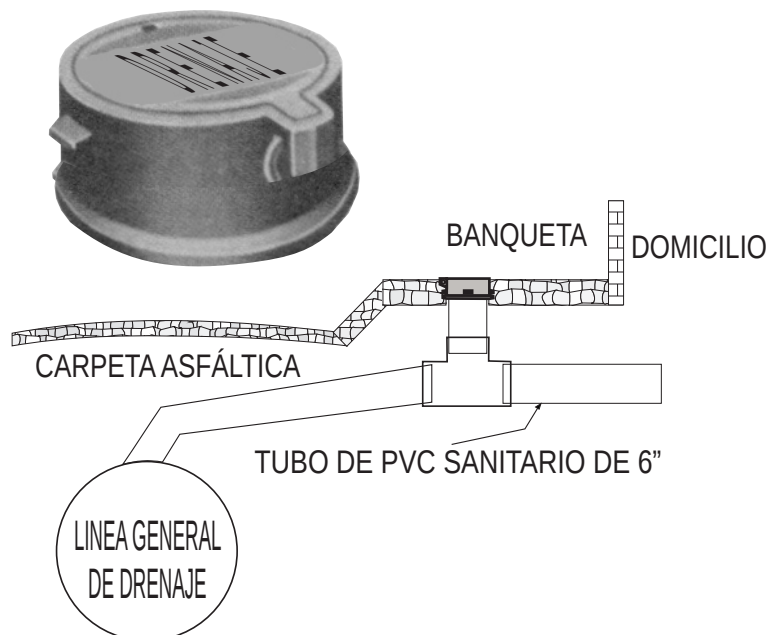
CAJA (BOTA)  
CORTA 3.2 Kg.



DIMENSIONES EN mm

| TIPO | A   | B   | C   | D   | e  | H   | PESO<br>Kg | # DE<br>BISAGRAS |
|------|-----|-----|-----|-----|----|-----|------------|------------------|
| 1    | 350 | 310 | 300 | 220 | 10 | 30  | 11         | 1                |
| 2    | 450 | 390 | 270 | 200 | 10 | 40  | 16         | 2                |
| 3    | 480 | 400 | 400 | 310 | 20 | 100 | 33         | 2                |

## REGISTRO PARA DESCARGA DE DRENAJE

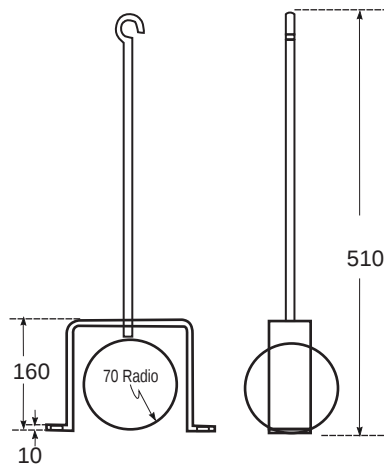




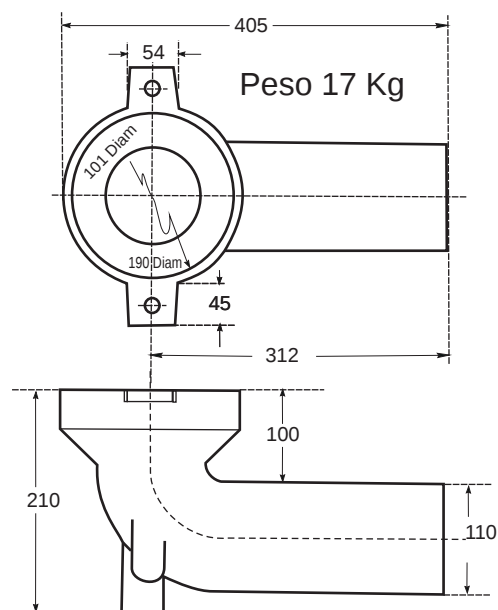
# CONEXIONES MYMACO Y VÁLVULAS RUD



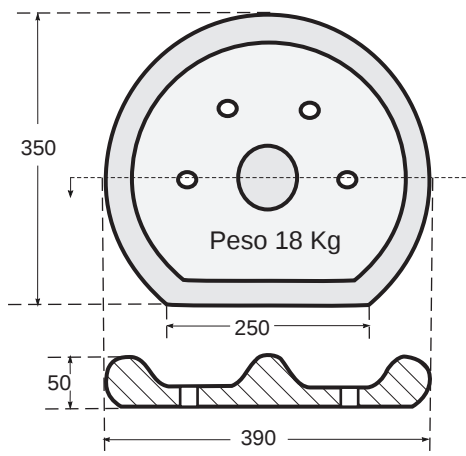
CODO CESPOL, BOLA CONTRAPESO y PLATO QUIEBRA CHORROS



Peso 11 Kg



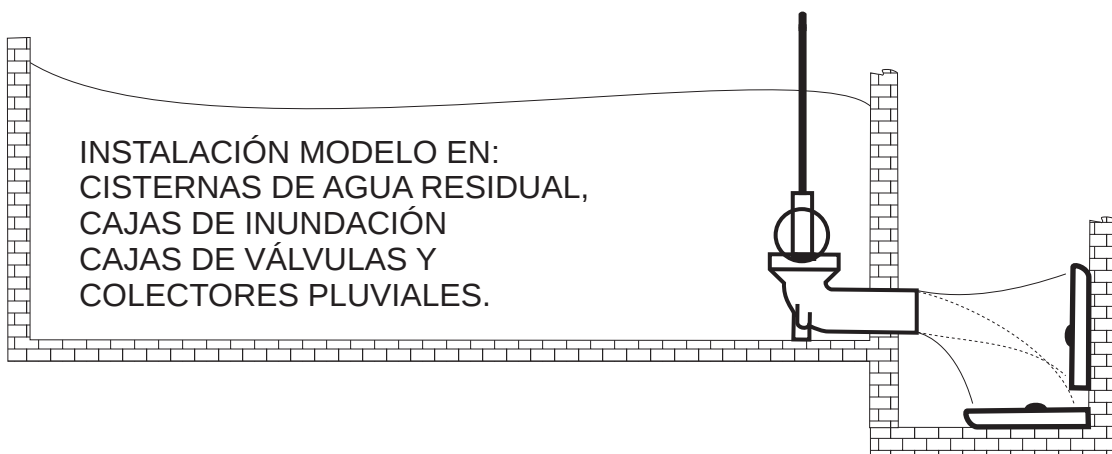
Peso 17 Kg



Peso 18 Kg

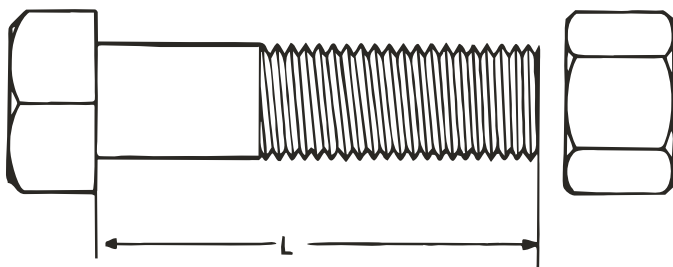


INSTALACIÓN MODELO EN:  
CISTERNAS DE AGUA RESIDUAL,  
CAJAS DE INUNDACIÓN  
CAJAS DE VÁLVULAS Y  
COLECTORES PLUVIALES.





## TORNILLOS



## ESPECIFICACIONES

| TORNILLOS CON CABEZA y TUERCA HEXAGONAL |       |         |               |        |         |               |        |         |
|-----------------------------------------|-------|---------|---------------|--------|---------|---------------|--------|---------|
| DIÁM. NOMINAL                           | L     | PESO kg | DIÁM. NOMINAL | L      | PESO kg | DIÁM. NOMINAL | L      | PESO kg |
| 1/2                                     | 2     | 0.100   | 3/4           | 3      | 0.300   | 7/8           | 11 1/2 | 1.100   |
| 1/2                                     | 2 1/2 | 0.100   | 3/4           | 3 1/2  | 0.340   | 1             | 4      | 0.700   |
| 1/2                                     | 3     | 0.110   | 3/4           | 4      | 0.370   | 1             | 4 1/2  | 0.740   |
| 1/2                                     | 3 1/2 | 0.120   | 3/4           | 4 1/2  | 0.400   | 1             | 7 1/2  | 0.750   |
| 1/2                                     | 4     | 0.130   | 3/4           | 5      | 0.430   | 1             | 8      | 1.000   |
| 1/2                                     | 4 1/2 | 0.140   | 3/4           | 5 1/2  | 0.460   | 1 1/8         | 4 1/2  | 1.140   |
| 1/2                                     | 5     | 0.150   | 3/4           | 6      | 0.490   | 1 1/8         | 5      | 1.190   |
| 1/2                                     | 5 1/2 | 0.170   | 3/4           | 6 1/2  | 0.520   | 1 1/8         | 5 1/2  | 1.240   |
| 5/8                                     | 2 1/2 | 0.170   | 3/4           | 7 1/2  | 0.550   | 1 1/4         | 4 1/2  | 1.474   |
| 5/8                                     | 3     | 0.200   | 3/4           | 11 1/2 | 0.580   | 1 1/4         | 5      | 1.550   |
| 5/8                                     | 3 1/2 | 0.210   | 7/8           | 3 1/2  | 0.490   | 1 1/4         | 5 1/2  | 1.630   |
| 5/8                                     | 4     | 0.230   | 7/8           | 4      | 0.570   | 1 1/4         | 6      | 1.700   |
| 5/8                                     | 4 1/2 | 0.250   | 7/8           | 4 1/2  | 0.570   | 1 1/4         | 6 1/2  | 1.780   |
| 5/8                                     | 5     | 0.280   | 7/8           | 8      | 0.400   | 1 1/4         | 7      | 1.860   |
| 5/8                                     | 5 1/2 | 0.300   | 7/8           | 9      | 0.500   | 1 1/2         | 5      | 2.320   |
| 5/8                                     | 6     | 0.320   | 7/8           | 9 1/2  | 0.600   | 1 1/2         | 5 1/2  | 2.430   |
| 5/8                                     | 6 1/2 | 0.340   | 7/8           | 10     | 0.700   | 1 1/2         | 6      | 2.255   |
| 5/8                                     | 7     | 0.350   | 7/8           | 10 1/2 | 0.800   | 1 1/2         | 6 1/2  | 2.655   |
| 5/8                                     | 7 1/2 | 0.400   | 7/8           | 11     | 0.900   | 1 1/2         | 7      | 2.785   |



# CONEXIONES MYMACO Y VÁLVULAS RUD



## MEDIDA EN MILIMETROS DEL DIAMETRO EXTERIOR DE LOS TUBOS

| D Nom. |        | Hierro | Acero   | Polietileno | Inglés | Metrico | AC-MEXALIT |     |      |      | AC-EUREKA |     |      |      |
|--------|--------|--------|---------|-------------|--------|---------|------------|-----|------|------|-----------|-----|------|------|
| mm     | Pulg.  | Ductil | ASTMA53 | PEAD        | mm     | mm      | A5         | A7  | A10  | A14  | A5        | A7  | A10  | A14  |
| 51     | 2"     |        | 60.3    | 60.3        | 60.3   | 55      |            |     |      |      | 70        | 70  | 70   | 70   |
| 63     | 2 1/2" |        | 73      | 73          | 73     | 63      |            |     |      |      | 80        | 80  | 85   | 85   |
| 76     | 3"     | 98     | 88.9    | 88.9        | 88.9   | 80      | 100        | 100 | 105  | 110  | 95        | 95  | 105  | 105  |
| 100    | 4"     | 118    | 114.3   | 114.3       | 114.3  | 100     | 125        | 125 | 130  | 140  | 120       | 125 | 130  | 135  |
| 150    | 6"     | 170    | 168.3   | 168.3       | 168.3  | 160     | 175        | 180 | 185  | 195  | 170       | 175 | 180  | 190  |
| 200    | 8"     | 222    | 219.1   | 219.1       | 219.1  | 200     | 225        | 230 | 240  | 250  | 225       | 230 | 235  | 250  |
| 250    | 10"    | 274    | 273.1   | 273.1       | 273.1  | 250     | 280        | 285 | 295  | 315  | 285       | 290 | 295  | 310  |
| 300    | 12"    | 326    | 323.8   | 323.8       | 323.9  | 315     | 335        | 340 | 355  | 370  | 335       | 340 | 350  | 365  |
| 350    | 14"    | 378    | 355.6   | 355.6       | 355.5  | 355     | 390        | 395 | 405  | 425  | 390       | 395 | 400  | 425  |
| 400    | 16"    | 429    | 406.4   | 406.4       | 406.4  | 400     | 440        | 450 | 460  | 480  | 445       | 450 | 455  | 480  |
| 450    | 18"    | 480    | 457.2   | 457.2       | 457.2  | 450     | 495        | 500 | 515  | 535  | 445       | 500 | 510  | 535  |
| 500    | 20"    | 532    | 508     | 508         | 508    | 500     | 545        | 550 | 565  | 590  | 550       | 555 | 560  | 585  |
| 600    | 24"    | 635    | 609.6   | 609.6       | 609.6  | 630     | 650        | 655 | 670  | 700  | 650       | 665 | 670  | 700  |
| 750    | 30"    |        | 762     | 762         | 765    | 800     | 810        | 820 | 835  | 870  | 815       | 830 | 835  | 870  |
| 900    | 36"    |        | 914.4   | 914.4       | 914.4  |         | 975        | 980 | 1000 | 1045 | 980       | 990 | 1000 | 1045 |

EL DIÁMETRO EXTERIOR EN mm DE LA EXTREMIDAD DEBE SER IGUAL LA MEDIDA CERRADA SUPERIOR DEL TUBO EN mm TAMBIÉN Y LA JUNTA GIBault RESPECTIVA DEBE SER 5 mm MAYOR.

Ej.: Tubo PVC inglés de 4" mide 114.3 mm la extremidad sera en 115 mm y la junta en 120mm

## G A R A N T Í A

Las conexiones y piezas especiales para agua potable y residual o alcantarillado "MYMACO"; Están fabricadas bajo el más estricto control de calidad.

En base a esto, GARANTIZAMOS todos nuestros productos contra cualquier defecto de fabricación, calidad de materiales o mano de obra.

### CONDICIONES Y TÉRMINO DE LA GARANTÍA

Por DOS años a partir de la fecha de embarque de nuestra planta. Si algún producto MYMACO llegara a presentar defectos de fabricación y/o materiales, nos comprometemos a repararla o reemplazarla. Esta garantía no será valida cuando el producto haya sido dañado por: negligencia, abuso, accidente o corrosión, ni cuando haya sido instalada y operado fuera de las condiciones de servicio recomendadas por el FABRICANTE. Tampoco deberá ser desensamblada y/o reparada por personal no autorizado por el FABRICANTE.

En ningún caso, el FABRICANTE será responsable de: pérdidas o disminución de utilidades por paro de plantas, incremento en los costos de operación y cualquier daño consecuente del uso del producto.



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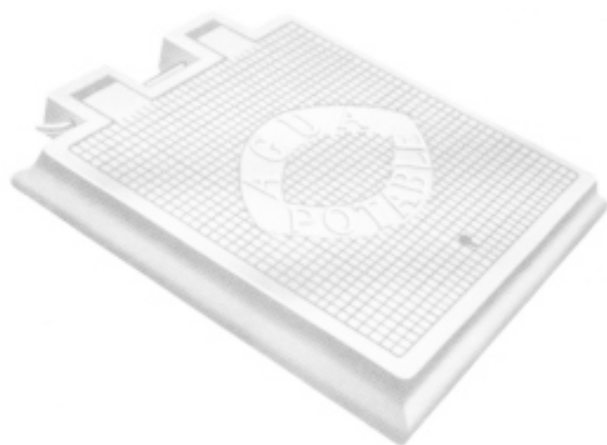


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