

# gebo g316

**STAINLESS STEEL THREADED FITTINGS,  
NIPPLES, BALL VALVES AND BIBCOCKS  
AND Y-STRAINER**





### THREADED FITTINGS

page 3

- All casted items are made of material 1.4408
- Alloying components in %: C ≤ 0,07 · Cr 18,0 – 20,0 · Ni 9,0 – 12,0 · Mo 2,0 – 2,5
- Bends Code 6003 as well as sockets Code 6270 and 6272 are made from material 1.4404 (AISI 316L)
- Unions with flat seat are equipped with PTFE gaskets
- All items are signed with pressure stages 150 lbs ~ 10,5 bar
- Application areas of materials 1.4408 + 1.4404: water, drinking water, chemical substances
- Good resistance against acids and corrosion
- Maximum operating temperature for threaded fittings (without further mechanical stress): 220°C. Maximum operating temperature for flat seated unions: 95°C.
- Jointing threads according to DIN EN 10226-1 (ISO 7/1)



### BALL VALVES

page 19

- Valves bodies are made from material CF8M, materials of the components are listed in table starting on page 161
- All ball valves are equipped with PTFE gaskets
- All ball valves are signed with the max. allowed pressure stage PN63
- Temperature pressure relation can be taken out from diagrams starting on page 161
- Application area: water and different chemical substances
- Good resistance against corrosion and acids
- All ball valves are equipped with locking device
- Threads according to DIN EN 10226-1 (ISO 7/1)



### BIBCOCKS MADE OF STAINLESS STEEL

page 24

- full bore with lock handle and hose connection
- Jointing male thread DIN EN 10226-1 / ISO 7/1



### Y-STRAINER MADE OF STAINLESS STEEL

page 25

- Threaded female ends DIN EN 10226-1 / ISO 7-1
- Screen insert with sealing as spare part available

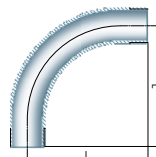


### THREADED PIPE NIPPLES

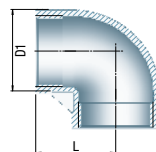
page 26

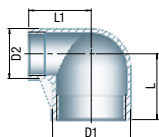
- All threaded pipe nipples and welding nipples are made from welded pipes (material 1.4404) according to DIN EN 10255 (dimensions) and DIN EN 10241 (length)
- Suitable for media: water, drinking water, different chemical substances
- Maximum pressure stage: 50 bar (20°C)
- Threads according to DIN EN 10226-1 (ISO 7/1)

| 3            | BEND 90°, M/M | MAT. 1.4404     |  |  |  |  |
|--------------|---------------|-----------------|--|--|--|--|
| Size [1 x 2] | Code          | Dimensions [mm] |  |  |  |  |
|              |               | L               |  |  |  |  |
| 1/4"         | 6003-014      | 60.0            |  |  |  |  |
| 3/8"         | 6003-038      | 70.0            |  |  |  |  |
| 1/2"         | 6003-012      | 80.0            |  |  |  |  |
| 3/4"         | 6003-034      | 100.0           |  |  |  |  |
| 1"           | 6003-100      | 120.0           |  |  |  |  |
| 1 1/4"       | 6003-114      | 140.0           |  |  |  |  |
| 1 1/2"       | 6003-112      | 160.0           |  |  |  |  |
| 2"           | 6003-200      | 190.0           |  |  |  |  |

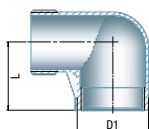


| 90           | ELBOWS 90°, F/F | MAT. 1.4408     |       |  |  |  |
|--------------|-----------------|-----------------|-------|--|--|--|
| Size [1 x 2] | Code            | Dimensions [mm] |       |  |  |  |
|              |                 | L               | D1    |  |  |  |
| 1/8"         | 6090-018        | 17.0            | 13.0  |  |  |  |
| 1/4"         | 6090-014        | 19.0            | 16.0  |  |  |  |
| 3/8"         | 6090-038        | 23.0            | 20.0  |  |  |  |
| 1/2"         | 6090-012        | 27.0            | 24.5  |  |  |  |
| 3/4"         | 6090-034        | 32.0            | 30.0  |  |  |  |
| 1"           | 6090-100        | 38.0            | 37.5  |  |  |  |
| 1 1/4"       | 6090-114        | 45.0            | 46.5  |  |  |  |
| 1 1/2"       | 6090-112        | 48.0            | 53.0  |  |  |  |
| 2"           | 6090-200        | 57.0            | 65.5  |  |  |  |
| 2 1/2"       | 6090-212        | 69.0            | 82.0  |  |  |  |
| 3"           | 6090-300        | 78.0            | 95.5  |  |  |  |
| 4"           | 6090-400        | 96.0            | 121.5 |  |  |  |



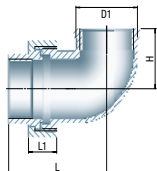


| 90              | REDUCING ELBOWS 90°, F/F | MAT. 1.4408     |      |      |      |  |
|-----------------|--------------------------|-----------------|------|------|------|--|
| Size [1 x 2]    | Code                     | Dimensions [mm] |      |      |      |  |
|                 |                          | L               | L1   | D1   | D2   |  |
| 1/2" x 3/8"     | 6090-012038              | 25.0            | 26.0 | 24.5 | 20.0 |  |
| 3/4" x 3/8"     | 6090-034038              | 28.0            | 28.0 | 30.0 | 20.0 |  |
| 3/4" x 1/2"     | 6090-034012              | 30.0            | 29.0 | 30.0 | 24.5 |  |
| 1" x 1/2"       | 6090-100012              | 33.0            | 32.0 | 37.5 | 24.5 |  |
| 1" x 3/4"       | 6090-100034              | 35.0            | 34.0 | 37.5 | 30.0 |  |
| 1 1/4" x 3/4"   | 6090-114034              | 40.0            | 38.0 | 46.5 | 30.0 |  |
| 1 1/4" x 1"     | 6090-114100              | 42.0            | 40.0 | 46.5 | 37.5 |  |
| 1 1/2" x 1"     | 6090-112100              | 45.0            | 41.0 | 53.0 | 37.5 |  |
| 1 1/2" x 1 1/4" | 6090-112114              | 48.0            | 45.0 | 53.0 | 46.5 |  |
| 2" x 1 1/4"     | 6090-200114              | 54.0            | 48.0 | 65.5 | 46.5 |  |
| 2" x 1 1/2"     | 6090-200112              | 55.0            | 52.0 | 65.5 | 53.0 |  |

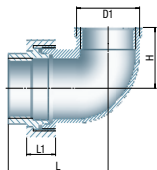


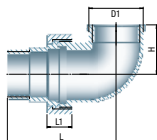
| 92           | STREET ELBOWS 90°, M/F | MAT. 1.4408     |       |  |  |  |
|--------------|------------------------|-----------------|-------|--|--|--|
| Size [1 x 2] | Code                   | Dimensions [mm] |       |  |  |  |
|              |                        | L               | D1    |  |  |  |
| 1/8"         | 6092-018               | 17.0            | 13.0  |  |  |  |
| 1/4"         | 6092-014               | 19.0            | 16.0  |  |  |  |
| 3/8"         | 6092-038               | 23.0            | 20.0  |  |  |  |
| 1/2"         | 6092-012               | 27.0            | 24.5  |  |  |  |
| 3/4"         | 6092-034               | 32.0            | 30.0  |  |  |  |
| 1"           | 6092-100               | 38.0            | 37.5  |  |  |  |
| 1 1/4"       | 6092-114               | 45.0            | 46.5  |  |  |  |
| 1 1/2"       | 6092-112               | 48.0            | 53.0  |  |  |  |
| 2"           | 6092-200               | 57.0            | 65.5  |  |  |  |
| 2 1/2"       | 6092-212               | 69.0            | 82.0  |  |  |  |
| 3"           | 6092-300               | 78.0            | 95.5  |  |  |  |
| 4"           | 6092-400               | 97.0            | 121.5 |  |  |  |

| 95         | UNION ELBOWS 90°, FLAT SEAT, F/F |                 |      |      |      |    | MAT. 1.4408 |
|------------|----------------------------------|-----------------|------|------|------|----|-------------|
| Size [1x2] | Code                             | Dimensions [mm] |      |      |      |    |             |
|            |                                  | L               | L1   | D1   | H    | SW |             |
| 1/4"       | 6095-014                         | 46.5            | 13.5 | 16.0 | 17.0 | 27 |             |
| 3/8"       | 6095-038                         | 51.0            | 15.0 | 19.0 | 20.0 | 30 |             |
| 1/2"       | 6095-012                         | 56.0            | 16.0 | 26.0 | 27.0 | 36 |             |
| 3/4"       | 6095-034                         | 61.0            | 17.0 | 31.5 | 31.0 | 43 |             |
| 1"         | 6095-100                         | 70.5            | 20.0 | 39.0 | 36.0 | 51 |             |
| 1 1/4"     | 6095-114                         | 78.0            | 22.0 | 47.5 | 42.0 | 61 |             |
| 1 1/2"     | 6095-112                         | 83.0            | 24.0 | 54.0 | 46.0 | 69 |             |
| 2"         | 6095-200                         | 96.0            | 27.0 | 66.5 | 56.0 | 83 |             |

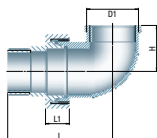


| 96         | UNION ELBOWS 90°, CONICAL SEAT, F/F |                 |      |      |      |    | MAT. 1.4408 |
|------------|-------------------------------------|-----------------|------|------|------|----|-------------|
| Size [1x2] | Code                                | Dimensions [mm] |      |      |      |    |             |
|            |                                     | L               | L1   | D1   | H    | SW |             |
| 1/4"       | 6096-014                            | 46.5            | 13.5 | 16.0 | 17.0 | 27 |             |
| 3/8"       | 6096-038                            | 51.0            | 15.0 | 19.0 | 20.0 | 30 |             |
| 1/2"       | 6096-012                            | 56.0            | 16.0 | 26.0 | 27.0 | 36 |             |
| 3/4"       | 6096-034                            | 61.0            | 17.0 | 31.5 | 31.0 | 43 |             |
| 1"         | 6096-100                            | 70.5            | 20.0 | 39.0 | 36.0 | 51 |             |
| 1 1/4"     | 6096-114                            | 78.0            | 22.0 | 47.5 | 42.0 | 61 |             |
| 1 1/2"     | 6096-112                            | 83.0            | 24.0 | 54.0 | 46.0 | 69 |             |
| 2"         | 6096-200                            | 96.0            | 27.0 | 66.5 | 56.0 | 83 |             |



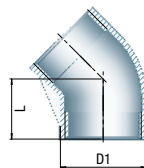


| 97         | UNION ELBOWS 90°, FLAT SEAT, M/F |                 |      |      |      | MAT. 1.4408 |  |
|------------|----------------------------------|-----------------|------|------|------|-------------|--|
| Size [1x2] | Code                             | Dimensions [mm] |      |      |      |             |  |
|            |                                  | L               | L1   | D1   | H    | SW          |  |
| 1/4"       | 6097-014                         | 57.0            | 13.5 | 16.0 | 17.0 | 27          |  |
| 3/8"       | 6097-038                         | 62.0            | 15.0 | 19.0 | 20.0 | 30          |  |
| 1/2"       | 6097-012                         | 70.5            | 16.0 | 26.0 | 27.0 | 36          |  |
| 3/4"       | 6097-034                         | 76.5            | 17.0 | 31.5 | 31.0 | 43          |  |
| 1"         | 6097-100                         | 88.5            | 20.0 | 39.0 | 36.0 | 51          |  |
| 1 1/4"     | 6097-114                         | 100.0           | 22.0 | 47.5 | 42.0 | 61          |  |
| 1 1/2"     | 6097-112                         | 103.5           | 24.0 | 54.0 | 46.0 | 69          |  |
| 2"         | 6097-200                         | 121.0           | 27.0 | 66.5 | 56.0 | 83          |  |

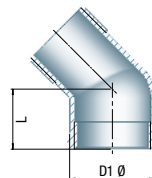


| 98         | UNION ELBOWS 90°, CONICAL SEAT, M/F MAT. 1.4408 |                 |      |      |      |    |
|------------|-------------------------------------------------|-----------------|------|------|------|----|
| Size [1x2] | Code                                            | Dimensions [mm] |      |      |      |    |
|            |                                                 | L               | L1   | D1   | H    | SW |
| 1/4"       | 6098-014                                        | 57.0            | 13.5 | 16.0 | 17.0 | 27 |
| 3/8"       | 6098-038                                        | 62.0            | 15.0 | 19.0 | 20.0 | 30 |
| 1/2"       | 6098-012                                        | 70.5            | 16.0 | 26.0 | 27.0 | 36 |
| 3/4"       | 6098-034                                        | 76.5            | 17.0 | 31.5 | 31.0 | 43 |
| 1"         | 6098-100                                        | 88.5            | 20.0 | 39.0 | 36.0 | 51 |
| 1 1/4"     | 6098-114                                        | 100.0           | 22.0 | 47.5 | 42.0 | 61 |
| 1 1/2"     | 6098-112                                        | 103.5           | 24.0 | 54.0 | 46.0 | 69 |
| 2"         | 6098-200                                        | 121.0           | 27.0 | 66.5 | 56.0 | 83 |

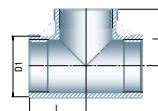
| 120        | ELBOWS 45°, F/F | MAT. 1.4408     |      |  |  |  |
|------------|-----------------|-----------------|------|--|--|--|
| Size [1x2] | Code            | Dimensions [mm] |      |  |  |  |
|            |                 | L               | D1   |  |  |  |
| 1/8"       | 6120-018        | 16.0            | 13.0 |  |  |  |
| 1/4"       | 6120-014        | 17.0            | 16.0 |  |  |  |
| 3/8"       | 6120-038        | 19.0            | 20.0 |  |  |  |
| 1/2"       | 6120-012        | 21.0            | 24.5 |  |  |  |
| 3/4"       | 6120-034        | 25.0            | 30.0 |  |  |  |
| 1"         | 6120-100        | 29.0            | 37.5 |  |  |  |
| 1 1/4"     | 6120-114        | 33.0            | 46.5 |  |  |  |
| 1 1/2"     | 6120-112        | 37.0            | 53.0 |  |  |  |
| 2"         | 6120-200        | 42.0            | 65.5 |  |  |  |

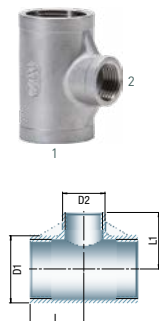


| 121        | STREET ELBOWS 45°, M/F | MAT. 1.4408     |      |  |  |  |
|------------|------------------------|-----------------|------|--|--|--|
| Size [1x2] | Code                   | Dimensions [mm] |      |  |  |  |
|            |                        | L               | D1   |  |  |  |
| 1/4"       | 6121-014               | 19.0            | 16.0 |  |  |  |
| 3/8"       | 6121-038               | 23.0            | 20.0 |  |  |  |
| 1/2"       | 6121-012               | 27.0            | 24.5 |  |  |  |
| 3/4"       | 6121-034               | 32.0            | 30.0 |  |  |  |
| 1"         | 6121-100               | 38.0            | 37.5 |  |  |  |
| 1 1/4"     | 6121-114               | 45.0            | 46.5 |  |  |  |
| 1 1/2"     | 6121-112               | 48.0            | 53.0 |  |  |  |
| 2"         | 6121-200               | 57.0            | 65.5 |  |  |  |

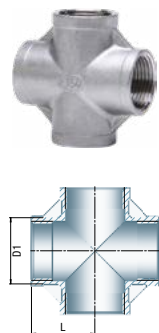


| 130        | TEES 90°, F/F/F | MAT. 1.4408     |      |  |  |  |
|------------|-----------------|-----------------|------|--|--|--|
| Size [1x2] | Code            | Dimensions [mm] |      |  |  |  |
|            |                 | L               | D1   |  |  |  |
| 1/8"       | 6130-018        | 17.0            | 13.0 |  |  |  |
| 1/4"       | 6130-014        | 19.0            | 16.5 |  |  |  |
| 3/8"       | 6130-038        | 23.0            | 20.0 |  |  |  |
| 1/2"       | 6130-012        | 27.0            | 24.5 |  |  |  |
| 3/4"       | 6130-034        | 32.0            | 30.0 |  |  |  |
| 1"         | 6130-100        | 38.0            | 37.5 |  |  |  |
| 1 1/4"     | 6130-114        | 45.0            | 46.5 |  |  |  |
| 1 1/2"     | 6130-112        | 48.0            | 53.0 |  |  |  |
| 2"         | 6130-200        | 57.0            | 65.5 |  |  |  |
| 2 1/2"     | 6130-212        | 69.0            | 82.0 |  |  |  |
| 3"         | 6130-300        | 78.0            | 95.5 |  |  |  |



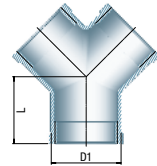


| 130             | REDUCING TEES 90°, F/F/F |                 |      |      |      | MAT. 1.4408 |
|-----------------|--------------------------|-----------------|------|------|------|-------------|
| Size [1x2]      | Code                     | Dimensions [mm] |      |      |      |             |
|                 |                          | L               | L1   | D1   | D2   |             |
| 1/4" x 1/8"     | 6130-014018              | 18.0            | 18.0 | 16.0 | 13.0 |             |
| 3/8" x 1/4"     | 6130-038014              | 20.0            | 22.0 | 20.0 | 16.0 |             |
| 1/2" x 1/4"     | 6130-012014              | 24.0            | 24.0 | 24.5 | 16.0 |             |
| 1/2" x 3/8"     | 6130-012038              | 26.0            | 25.0 | 24.5 | 20.0 |             |
| 3/4" x 3/8"     | 6130-034038              | 28.0            | 28.0 | 30.0 | 20.0 |             |
| 3/4" x 1/2"     | 6130-034012              | 29.0            | 30.0 | 30.0 | 24.5 |             |
| 1" x 1/2"       | 6130-100012              | 32.0            | 33.0 | 37.5 | 24.5 |             |
| 1" x 3/4"       | 6130-100034              | 34.0            | 35.0 | 37.5 | 30.0 |             |
| 1 1/4" x 3/4"   | 6130-114034              | 38.0            | 40.0 | 46.5 | 30.0 |             |
| 1 1/4" x 1"     | 6130-114100              | 40.0            | 42.0 | 46.5 | 37.5 |             |
| 1 1/2" x 3/4"   | 6130-112034              | 37.0            | 43.0 | 53.0 | 30.0 |             |
| 1 1/2" x 1"     | 6130-112100              | 41.0            | 45.0 | 53.0 | 37.5 |             |
| 1 1/2" x 1 1/4" | 6130-112114              | 45.0            | 48.0 | 53.0 | 46.5 |             |
| 2" x 1"         | 6130-200100              | 44.0            | 51.0 | 65.5 | 37.5 |             |
| 2" x 1 1/4"     | 6130-200114              | 48.0            | 54.0 | 65.5 | 46.5 |             |
| 2" x 1 1/2"     | 6130-200112              | 52.0            | 55.0 | 65.5 | 53.0 |             |

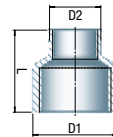


| 180        | CROSSES, F/F/F/F |                 |      |  |  | MAT. 1.4408 |
|------------|------------------|-----------------|------|--|--|-------------|
| Size [1x2] | Code             | Dimensions [mm] |      |  |  |             |
|            |                  | L               | D1   |  |  |             |
| 1/8"       | 6180-018         | 17.0            | 13.0 |  |  |             |
| 1/4"       | 6180-014         | 19.0            | 16.0 |  |  |             |
| 3/8"       | 6180-038         | 23.0            | 20.0 |  |  |             |
| 1/2"       | 6180-012         | 27.0            | 24.5 |  |  |             |
| 3/4"       | 6180-034         | 32.0            | 30.0 |  |  |             |
| 1"         | 6180-100         | 38.0            | 37.5 |  |  |             |
| 1 1/4"     | 6180-114         | 45.0            | 46.5 |  |  |             |
| 1 1/2"     | 6180-112         | 48.0            | 53.0 |  |  |             |
| 2"         | 6180-200         | 57.0            | 65.5 |  |  |             |

| 220        | Y-TYPE TEE, F/F/F | MAT. 1.4408     |      |  |  |  |
|------------|-------------------|-----------------|------|--|--|--|
| Size [1x2] | Code              | Dimensions [mm] |      |  |  |  |
|            |                   | L               | D1   |  |  |  |
| 1/4"       | 6220-014          | 19.0            | 18.0 |  |  |  |
| 3/8"       | 6220-038          | 23.0            | 21.5 |  |  |  |
| 1/2"       | 6220-012          | 27.0            | 26.5 |  |  |  |
| 3/4"       | 6220-034          | 32.0            | 32.0 |  |  |  |
| 1"         | 6220-100          | 40.9            | 43.2 |  |  |  |
| 1 1/4"     | 6220-114          | 45.0            | 49.0 |  |  |  |
| 1 1/2"     | 6220-112          | 48.0            | 55.5 |  |  |  |
| 2"         | 6220-200          | 57.0            | 68.5 |  |  |  |



| 240             | REDUCING SOCKETS, F/F | MAT. 1.4408     |       |      |  |  |
|-----------------|-----------------------|-----------------|-------|------|--|--|
| Size [1x2]      | Code                  | Dimensions [mm] |       |      |  |  |
|                 |                       | L               | D1    | D2   |  |  |
| 1/4" x 1/8"     | 6240-014018           | 25.0            | 17.5  | 14.0 |  |  |
| 3/8" x 1/8"     | 6240-038018           | 23.0            | 21.0  | 14.0 |  |  |
| 3/8" x 1/4"     | 6240-038014           | 26.0            | 21.0  | 17.5 |  |  |
| 1/2" x 1/8"     | 6240-012018           | 34.0            | 26.5  | 14.0 |  |  |
| 1/2" x 1/4"     | 6240-012014           | 34.0            | 26.5  | 17.5 |  |  |
| 1/2" x 3/8"     | 6240-012038           | 34.0            | 26.5  | 21.0 |  |  |
| 3/4" x 1/8"     | 6240-034018           | 36.0            | 32.0  | 14.0 |  |  |
| 3/4" x 1/4"     | 6240-034014           | 36.0            | 32.0  | 17.5 |  |  |
| 3/4" x 3/8"     | 6240-034038           | 36.0            | 32.0  | 21.0 |  |  |
| 3/4" x 1/2"     | 6240-034012           | 36.0            | 32.0  | 25.5 |  |  |
| 1" x 3/8"       | 6240-100038           | 42.0            | 39.0  | 21.0 |  |  |
| 1" x 1/2"       | 6240-100012           | 42.0            | 39.0  | 25.5 |  |  |
| 1" x 3/4"       | 6240-100034           | 42.0            | 39.0  | 31.0 |  |  |
| 1 1/4" x 1/2"   | 6240-114012           | 48.0            | 48.0  | 25.5 |  |  |
| 1 1/4" x 3/4"   | 6240-114034           | 48.0            | 48.0  | 31.0 |  |  |
| 1 1/4" x 1"     | 6240-114100           | 48.0            | 48.0  | 39.0 |  |  |
| 1 1/2" x 1/2"   | 6240-112012           | 52.0            | 54.0  | 25.5 |  |  |
| 1 1/2" x 3/4"   | 6240-112034           | 52.0            | 54.0  | 31.0 |  |  |
| 1 1/2" x 1"     | 6240-112100           | 52.0            | 54.0  | 39.0 |  |  |
| 1 1/2" x 1 1/4" | 6240-112114           | 52.0            | 54.0  | 48.0 |  |  |
| 2" x 1/2"       | 6240-200012           | 58.0            | 67.5  | 25.5 |  |  |
| 2" x 3/4"       | 6240-200034           | 58.0            | 67.5  | 31.0 |  |  |
| 2" x 1"         | 6240-200100           | 58.0            | 67.5  | 39.0 |  |  |
| 2" x 1 1/4"     | 6240-200114           | 58.0            | 67.5  | 48.0 |  |  |
| 2" x 1 1/2"     | 6240-200112           | 58.0            | 67.5  | 54.0 |  |  |
| 2 1/2" x 1 1/2" | 6240-212112           | 65.0            | 84.0  | 54.0 |  |  |
| 2 1/2" x 2"     | 6240-212200           | 65.0            | 84.0  | 67.5 |  |  |
| 3" x 2"         | 6240-300200           | 72.0            | 98.0  | 67.5 |  |  |
| 3" x 2 1/2"     | 6240-300212           | 72.0            | 98.0  | 84.0 |  |  |
| 4" x 2"         | 6240-400200           | 94.0            | 125.0 | 67.5 |  |  |
| 4" x 2 1/2"     | 6240-400212           | 94.0            | 125.0 | 84.0 |  |  |
| 4" x 3"         | 6240-400300           | 94.0            | 125.0 | 98.0 |  |  |



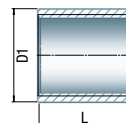
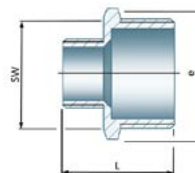


| 241             | HEXAGON BUSHINGS, M/F | MAT. 1.4408     |       |  |  |  |
|-----------------|-----------------------|-----------------|-------|--|--|--|
| Size [1 x 2]    | Code                  | Dimensions [mm] |       |  |  |  |
|                 |                       | L               | SW    |  |  |  |
| 1/4" x 1/8"     | 6241-014018           | 16.0            | 14.0  |  |  |  |
| 3/8" x 1/8"     | 6241-038018           | 16.5            | 18.0  |  |  |  |
| 3/8" x 1/4"     | 6241-038014           | 16.5            | 18.0  |  |  |  |
| 1/2" x 1/8"     | 6241-012018           | 20.0            | 22.0  |  |  |  |
| 1/2" x 1/4"     | 6241-012014           | 20.0            | 22.0  |  |  |  |
| 1/2" x 3/8"     | 6241-012038           | 20.0            | 22.0  |  |  |  |
| 3/4" x 1/8"     | 6241-034018           | 21.0            | 27.5  |  |  |  |
| 3/4" x 1/4"     | 6241-034014           | 21.0            | 27.5  |  |  |  |
| 3/4" x 3/8"     | 6241-034038           | 21.0            | 27.5  |  |  |  |
| 3/4" x 1/2"     | 6241-034012           | 21.0            | 27.5  |  |  |  |
| 1" x 1/4"       | 6241-100014           | 24.5            | 34.5  |  |  |  |
| 1" x 3/8"       | 6241-100038           | 24.5            | 34.5  |  |  |  |
| 1" x 1/2"       | 6241-100012           | 24.5            | 34.5  |  |  |  |
| 1" x 3/4"       | 6241-100034           | 24.5            | 34.5  |  |  |  |
| 1 1/4" x 3/8"   | 6241-114038           | 27.5            | 43.0  |  |  |  |
| 1 1/4" x 1/2"   | 6241-114012           | 27.5            | 43.0  |  |  |  |
| 1 1/4" x 3/4"   | 6241-114034           | 27.5            | 43.0  |  |  |  |
| 1 1/4" x 1"     | 6241-114100           | 27.5            | 43.0  |  |  |  |
| 1 1/2" x 3/8"   | 6241-112038           | 28.5            | 49.0  |  |  |  |
| 1 1/2" x 1/2"   | 6241-112012           | 28.5            | 49.0  |  |  |  |
| 1 1/2" x 3/4"   | 6241-112034           | 28.5            | 49.0  |  |  |  |
| 1 1/2" x 1"     | 6241-112100           | 28.5            | 49.0  |  |  |  |
| 1 1/2" x 1 1/4" | 6241-112114           | 28.5            | 49.0  |  |  |  |
| 2" x 1/2"       | 6241-200012           | 33.0            | 61.0  |  |  |  |
| 2" x 3/4"       | 6241-200034           | 33.0            | 61.0  |  |  |  |
| 2" x 1"         | 6241-200100           | 33.0            | 61.0  |  |  |  |
| 2" x 1 1/4"     | 6241-200114           | 33.0            | 61.0  |  |  |  |
| 2" x 1 1/2"     | 6241-200112           | 33.0            | 61.0  |  |  |  |
| 2 1/2" x 1"     | 6241-212100           | 37.0            | 76.0  |  |  |  |
| 2 1/2" x 1 1/4" | 6241-212114           | 37.0            | 76.0  |  |  |  |
| 2 1/2" x 1 1/2" | 6241-212112           | 37.0            | 76.0  |  |  |  |
| 2 1/2" x 2"     | 6241-212200           | 37.0            | 76.0  |  |  |  |
| 3" x 1 1/4"     | 6241-300114           | 40.0            | 90.0  |  |  |  |
| 3" x 1 1/2"     | 6241-300112           | 40.0            | 90.0  |  |  |  |
| 3" x 2"         | 6241-300200           | 40.0            | 90.0  |  |  |  |
| 3" x 2 1/2"     | 6241-300212           | 40.0            | 90.0  |  |  |  |
| 4" x 2"         | 6241-400200           | 46.0            | 115.0 |  |  |  |
| 4" x 2 1/2"     | 6241-400212           | 46.0            | 115.0 |  |  |  |
| 4" x 3"         | 6241-400300           | 46.0            | 115.0 |  |  |  |

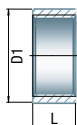
| 245             | HEXAGON REDUCING NIPPLES, M/M | MAT. 1.4408     |       |       |  |  |
|-----------------|-------------------------------|-----------------|-------|-------|--|--|
| Size [1x2]      | Code                          | Dimensions [mm] |       |       |  |  |
|                 |                               | L               | e     | SW    |  |  |
| 1/4" x 1/8"     | 6245-014018                   | 22.5            | 17.3  | 15.0  |  |  |
| 3/8" x 1/8"     | 6245-038018                   | 24.0            | 20.8  | 18.0  |  |  |
| 3/8" x 1/4"     | 6245-038014                   | 26.5            | 20.8  | 18.0  |  |  |
| 1/2" x 1/8"     | 6245-012018                   | 27.5            | 25.4  | 22.0  |  |  |
| 1/2" x 1/4"     | 6245-012014                   | 30.0            | 25.4  | 22.0  |  |  |
| 1/2" x 3/8"     | 6245-012038                   | 30.5            | 25.4  | 22.0  |  |  |
| 3/4" x 1/4"     | 6245-034014                   | 31.5            | 32.3  | 28.0  |  |  |
| 3/4" x 3/8"     | 6245-034038                   | 32.0            | 32.3  | 28.0  |  |  |
| 3/4" x 1/2"     | 6245-034012                   | 35.5            | 32.3  | 28.0  |  |  |
| 1" x 1/4"       | 6245-100014                   | 34.5            | 40.4  | 35.0  |  |  |
| 1" x 3/8"       | 6245-100038                   | 35.0            | 40.4  | 35.0  |  |  |
| 1" x 1/2"       | 6245-100012                   | 38.5            | 40.4  | 35.0  |  |  |
| 1" x 3/4"       | 6245-100034                   | 39.5            | 40.4  | 35.0  |  |  |
| 1 1/4" x 1/2"   | 6245-114012                   | 41.5            | 50.2  | 43.5  |  |  |
| 1 1/4" x 3/4"   | 6245-114034                   | 42.5            | 47.1  | 43.5  |  |  |
| 1 1/4" x 1"     | 6245-114100                   | 45.0            | 50.2  | 43.5  |  |  |
| 1 1/2" x 1/2"   | 6245-112012                   | 41.5            | 57.2  | 49.5  |  |  |
| 1 1/2" x 3/4"   | 6245-112034                   | 42.5            | 57.2  | 49.5  |  |  |
| 1 1/2" x 1"     | 6245-112100                   | 45.0            | 57.2  | 49.5  |  |  |
| 1 1/2" x 1 1/4" | 6245-112114                   | 47.5            | 57.2  | 49.5  |  |  |
| 2" x 1/2"       | 6245-200012                   | 46.5            | 71.6  | 62.0  |  |  |
| 2" x 3/4"       | 6245-200034                   | 47.5            | 71.6  | 62.0  |  |  |
| 2" x 1"         | 6245-200100                   | 50.0            | 71.6  | 62.0  |  |  |
| 2" x 1 1/4"     | 6245-200114                   | 52.5            | 67.1  | 62.0  |  |  |
| 2" x 1 1/2"     | 6245-200112                   | 52.5            | 71.6  | 62.0  |  |  |
| 2 1/2" x 1 1/2" | 6245-212112                   | 54.5            | 89.5  | 77.5  |  |  |
| 2 1/2" x 2"     | 6245-212200                   | 59.0            | 81.5  | 77.5  |  |  |
| 3" x 1 1/2"     | 6245-300112                   | 58.0            | 95.1  | 90.5  |  |  |
| 3" x 2"         | 6245-300200                   | 62.5            | 104.5 | 90.5  |  |  |
| 3" x 2 1/2"     | 6245-300212                   | 64.5            | 104.5 | 90.5  |  |  |
| 4" x 2"         | 6245-400200                   | 69.0            | 125.6 | 116.0 |  |  |
| 4" x 2 1/2"     | 6245-400212                   | 71.0            | 121.9 | 116.0 |  |  |
| 4" x 3"         | 6245-400300                   | 74.0            | 125.6 | 116.0 |  |  |



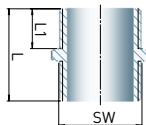
1



| 270        | SOCKETS, F/F, FULL LENGTH (PIPE MADE) | MAT. 1.4404     |       |  |  |  |
|------------|---------------------------------------|-----------------|-------|--|--|--|
| Size [1x2] | Code                                  | Dimensions [mm] |       |  |  |  |
|            |                                       | L               | D1    |  |  |  |
| 1/8"       | 6270-018                              | 17.0            | 14.0  |  |  |  |
| 1/4"       | 6270-014                              | 25.0            | 18.5  |  |  |  |
| 3/8"       | 6270-038                              | 26.0            | 21.3  |  |  |  |
| 1/2"       | 6270-012                              | 34.0            | 26.4  |  |  |  |
| 3/4"       | 6270-034                              | 36.0            | 31.8  |  |  |  |
| 1"         | 6270-100                              | 43.0            | 39.5  |  |  |  |
| 1 1/4"     | 6270-114                              | 48.0            | 48.3  |  |  |  |
| 1 1/2"     | 6270-112                              | 48.0            | 54.5  |  |  |  |
| 2"         | 6270-200                              | 56.0            | 66.3  |  |  |  |
| 2 1/2"     | 6270-212                              | 65.0            | 82.0  |  |  |  |
| 3"         | 6270-300                              | 71.0            | 95.0  |  |  |  |
| 4"         | 6270-400                              | 83.0            | 122.0 |  |  |  |

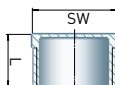


| 272          | SOCKETS, F/F, HALF LENGTH<br>(PIPE MADE) | MAT. 1.4404     |       |  |  |  |
|--------------|------------------------------------------|-----------------|-------|--|--|--|
| Size [1 x 2] | Code                                     | Dimensions [mm] |       |  |  |  |
|              |                                          | L               | D1    |  |  |  |
| 1/8"         | 6272-018                                 | 10.0            | 14.0  |  |  |  |
| 1/4"         | 6272-014                                 | 11.0            | 18.5  |  |  |  |
| 3/8"         | 6272-038                                 | 12.0            | 21.3  |  |  |  |
| 1/2"         | 6272-012                                 | 15.0            | 26.4  |  |  |  |
| 3/4"         | 6272-034                                 | 17.0            | 31.8  |  |  |  |
| 1"           | 6272-100                                 | 19.5            | 39.5  |  |  |  |
| 1 1/4"       | 6272-114                                 | 22.0            | 48.3  |  |  |  |
| 1 1/2"       | 6272-112                                 | 22.0            | 54.5  |  |  |  |
| 2"           | 6272-200                                 | 26.0            | 66.3  |  |  |  |
| 2 1/2"       | 6272-212                                 | 30.5            | 82.0  |  |  |  |
| 3"           | 6272-300                                 | 34.0            | 95.0  |  |  |  |
| 4"           | 6272-400                                 | 39.0            | 122.0 |  |  |  |



article-no. with \*:  
version decagon

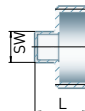
| 280          | HEXAGON NIPPLES, M/M | MAT. 1.4408     |      |       |  |  |
|--------------|----------------------|-----------------|------|-------|--|--|
| Size [1 x 2] | Code                 | Dimensions [mm] |      |       |  |  |
|              |                      | L               | L1   | SW    |  |  |
| 1/8"         | 6280-018             | 20.0            | 8.0  | 11.0  |  |  |
| 1/4"         | 6280-014             | 25.0            | 10.5 | 15.0  |  |  |
| 3/8"         | 6280-038             | 27.0            | 11.0 | 18.0  |  |  |
| 1/2"         | 6280-012             | 34.0            | 14.5 | 22.0  |  |  |
| 3/4"         | 6280-034             | 36.5            | 15.5 | 28.0  |  |  |
| 1"           | 6280-100             | 42.0            | 18.0 | 35.0  |  |  |
| 1 1/4"       | 6280-114             | 47.5            | 20.5 | 43.5  |  |  |
| 1 1/2"       | 6280-112             | 47.5            | 20.5 | 49.5  |  |  |
| 2"           | 6280-200             | 57.0            | 25.0 | 62.0  |  |  |
| 2 1/2"       | 6280-212             | 61.0            | 27.0 | 77.5  |  |  |
| 3"           | 6280-300*            | 67.5            | 30.0 | 90.5  |  |  |
| 4"           | 6280-400*            | 80.0            | 36.0 | 117.0 |  |  |



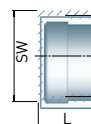
1/8" - 1/2" = hexagon  
3/4" - 2" = octagon  
2 1/2" - 4" = decagon

| 290          | HEXAGON PLUGS | MAT. 1.4408     |       |  |  |  |
|--------------|---------------|-----------------|-------|--|--|--|
| Size [1 x 2] | Code          | Dimensions [mm] |       |  |  |  |
|              |               | L               | SW    |  |  |  |
| 1/8"         | 6290-018      | 12.0            | 11.0  |  |  |  |
| 1/4"         | 6290-014      | 14.5            | 15.0  |  |  |  |
| 3/8"         | 6290-038      | 16.0            | 18.0  |  |  |  |
| 1/2"         | 6290-012      | 19.5            | 22.0  |  |  |  |
| 3/4"         | 6290-034      | 21.0            | 28.0  |  |  |  |
| 1"           | 6290-100      | 24.0            | 35.0  |  |  |  |
| 1 1/4"       | 6290-114      | 27.0            | 43.5  |  |  |  |
| 1 1/2"       | 6290-112      | 27.0            | 49.5  |  |  |  |
| 2"           | 6290-200      | 32.0            | 62.0  |  |  |  |
| 2 1/2"       | 6290-212      | 34.0            | 77.5  |  |  |  |
| 3"           | 6290-300      | 37.5            | 90.5  |  |  |  |
| 4"           | 6290-400      | 44.0            | 117.0 |  |  |  |

| 291        | SQUARE PLUGS | MAT. 1.4408     |      |  |  |  |
|------------|--------------|-----------------|------|--|--|--|
| Size [1x2] | Code         | Dimensions [mm] |      |  |  |  |
|            |              | L               | SW   |  |  |  |
| 1/8"       | 6291-018     | 11.0            | 6.0  |  |  |  |
| 1/4"       | 6291-014     | 13.5            | 7.0  |  |  |  |
| 3/8"       | 6291-038     | 15.0            | 8.0  |  |  |  |
| 1/2"       | 6291-012     | 18.5            | 10.0 |  |  |  |
| 3/4"       | 6291-034     | 21.0            | 12.0 |  |  |  |
| 1"         | 6291-100     | 25.5            | 14.0 |  |  |  |
| 1 1/4"     | 6291-114     | 28.8            | 16.0 |  |  |  |
| 1 1/2"     | 6291-112     | 29.0            | 20.0 |  |  |  |
| 2"         | 6291-200     | 34.5            | 22.0 |  |  |  |
| 2 1/2"     | 6291-212     | 38.5            | 28.0 |  |  |  |
| 3"         | 6291-300     | 41.5            | 32.0 |  |  |  |
| 4"         | 6291-400     | 51.5            | 40.0 |  |  |  |

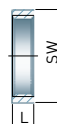


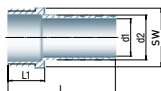
| 300        | HEXAGON CAPS | MAT. 1.4408     |       |  |  |  |
|------------|--------------|-----------------|-------|--|--|--|
| Size [1x2] | Code         | Dimensions [mm] |       |  |  |  |
|            |              | L               | SW    |  |  |  |
| 1/8"       | 6300-018     | 12.5            | 13.5  |  |  |  |
| 1/4"       | 6300-014     | 16.0            | 17.0  |  |  |  |
| 3/8"       | 6300-038     | 16.5            | 20.5  |  |  |  |
| 1/2"       | 6300-012     | 21.0            | 25.0  |  |  |  |
| 3/4"       | 6300-034     | 22.5            | 31.0  |  |  |  |
| 1"         | 6300-100     | 26.0            | 38.0  |  |  |  |
| 1 1/4"     | 6300-114     | 29.0            | 47.0  |  |  |  |
| 1 1/2"     | 6300-112     | 29.0            | 53.0  |  |  |  |
| 2"         | 6300-200     | 33.5            | 66.0  |  |  |  |
| 2 1/2"     | 6300-212*    | 38.5            | 82.0  |  |  |  |
| 3"         | 6300-300*    | 42.0            | 95.5  |  |  |  |
| 4"         | 6300-400*    | 48.5            | 121.5 |  |  |  |



article-no. with \*:  
version decagon

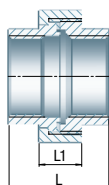
| 310        | BACKNUTS | MAT. 1.4408     |       |  |  |  |
|------------|----------|-----------------|-------|--|--|--|
| Size [1x2] | Code     | Dimensions [mm] |       |  |  |  |
|            |          | L               | SW    |  |  |  |
| 1/8"       | 6310-018 | 5.0             | 15.0  |  |  |  |
| 1/4"       | 6310-014 | 6.0             | 18.0  |  |  |  |
| 3/8"       | 6310-038 | 6.0             | 22.0  |  |  |  |
| 1/2"       | 6310-012 | 7.0             | 27.0  |  |  |  |
| 3/4"       | 6310-034 | 7.0             | 32.0  |  |  |  |
| 1"         | 6310-100 | 9.0             | 40.0  |  |  |  |
| 1 1/4"     | 6310-114 | 11.0            | 48.0  |  |  |  |
| 1 1/2"     | 6310-112 | 11.0            | 55.0  |  |  |  |
| 2"         | 6310-200 | 13.0            | 68.0  |  |  |  |
| 2 1/2"     | 6310-212 | 15.0            | 85.0  |  |  |  |
| 3"         | 6310-300 | 17.0            | 100.0 |  |  |  |
| 4"         | 6310-400 | 20.0            | 125.0 |  |  |  |



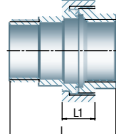


article-no. with \*:  
version octagon

| 315              | HEXAGON HOSE NIPPLES | MAT. 1.4408     |      |      |       |       |  |
|------------------|----------------------|-----------------|------|------|-------|-------|--|
| Size [1x2]       | Code                 | Dimensions [mm] |      |      |       |       |  |
|                  |                      | L               | L1   | d1   | d2    | SW    |  |
| 1/8" x 7 mm      | 6315-1807            | 33,0            | 19,0 | 3,2  | 7,0   | 11,0  |  |
| 1/4" x 9 mm      | 6315-1409            | 42,5            | 28,0 | 5,0  | 9,0   | 15,0  |  |
| 3/8" x 11 mm     | 6315-3811            | 49,0            | 33,0 | 7,0  | 11,0  | 18,0  |  |
| 1/2" x 13 mm     | 6315-1213            | 59,5            | 38,0 | 8,0  | 13,0  | 22,0  |  |
| 3/4" x 20 mm     | 6315-3420*           | 66,0            | 45,0 | 15,0 | 20,0  | 28,0  |  |
| 1" x 25 mm       | 6315-1025*           | 75,0            | 48,0 | 20,0 | 25,0  | 36,0  |  |
| 1 1/4" x 33 mm   | 6315-11433*          | 79,0            | 52,0 | 27,5 | 33,0  | 43,5  |  |
| 1 1/2" x 40 mm   | 6315-11240*          | 83,0            | 56,0 | 34,0 | 40,0  | 49,5  |  |
| 2" x 52 mm       | 6315-2052            | 92,0            | 60,0 | 45,0 | 52,0  | 62,0  |  |
| 2 1/2" x 63.5 mm | 6315-212635*         | 100,0           | 62,5 | 56,0 | 63,5  | 77,5  |  |
| 3" x 76.5 mm     | 6315-30765*          | 110,0           | 70,0 | 67,0 | 76,5  | 90,5  |  |
| 4" x 100 mm      | 6315-40100*          | 120,0           | 73,0 | 90,0 | 100,0 | 117,0 |  |

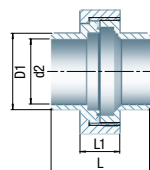


| 330        | UNIONS FLAT SEAT, F/F | MAT. 1.4408     |      |       |  |  |  |
|------------|-----------------------|-----------------|------|-------|--|--|--|
| Size [1x2] | Code                  | Dimensions [mm] |      |       |  |  |  |
|            |                       | L               | L1   | SW    |  |  |  |
| 1/8"       | 6330-018              | 30.0            | 13.0 | 22    |  |  |  |
| 1/4"       | 6330-014              | 33.5            | 13.5 | 27    |  |  |  |
| 3/8"       | 6330-038              | 36.5            | 15.0 | 30    |  |  |  |
| 1/2"       | 6330-012              | 39.5            | 16.0 | 36    |  |  |  |
| 3/4"       | 6330-034              | 42.5            | 17.0 | 43    |  |  |  |
| 1"         | 6330-100              | 50.0            | 20.0 | 51    |  |  |  |
| 1 1/4"     | 6330-114              | 54.0            | 22.0 | 61    |  |  |  |
| 1 1/2"     | 6330-112              | 58.0            | 24.0 | 69    |  |  |  |
| 2"         | 6330-200              | 65.0            | 27.0 | 83    |  |  |  |
| 2 1/2"     | 6330-212              | 75.0            | 29.5 | 104   |  |  |  |
| 3"         | 6330-300              | 83.0            | 31.0 | 120,5 |  |  |  |
| 4"         | 6330-400              | 108.0           | 34.0 | 147   |  |  |  |

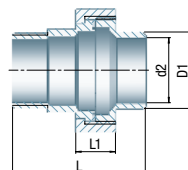


| 331        | UNIONS FLAT SEAT, M/F | MAT. 1.4408     |      |       |  |  |  |
|------------|-----------------------|-----------------|------|-------|--|--|--|
| Size [1x2] | Code                  | Dimensions [mm] |      |       |  |  |  |
|            |                       | L               | L1   | SW    |  |  |  |
| 1/8"       | 6331-018              | 38.0            | 13.0 | 22    |  |  |  |
| 1/4"       | 6331-014              | 44.0            | 13.5 | 27    |  |  |  |
| 3/8"       | 6331-038              | 47.5            | 15.0 | 30    |  |  |  |
| 1/2"       | 6331-012              | 54.0            | 16.0 | 36    |  |  |  |
| 3/4"       | 6331-034              | 58.0            | 17.0 | 43    |  |  |  |
| 1"         | 6331-100              | 68.0            | 20.0 | 51    |  |  |  |
| 1 1/4"     | 6331-114              | 74.5            | 22.0 | 61    |  |  |  |
| 1 1/2"     | 6331-112              | 78.5            | 24.0 | 69    |  |  |  |
| 2"         | 6331-200              | 90.0            | 27.0 | 83    |  |  |  |
| 2 1/2"     | 6331-212              | 102.0           | 29.5 | 104   |  |  |  |
| 3"         | 6331-300              | 113.0           | 31.0 | 120,5 |  |  |  |

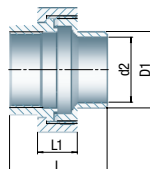
| 332        | UNIONS FLAT SEAT BOTH ENDS WELDING |                 |      |      |      | MAT. 1.4408 |
|------------|------------------------------------|-----------------|------|------|------|-------------|
| Size [1x2] | Code                               | Dimensions [mm] |      |      |      |             |
|            |                                    | L               | L1   | D1   | d2   | SW          |
| 1/4"       | 6332-014                           | 33.5            | 13.5 | 13.5 | 8.8  | 27          |
| 3/8"       | 6332-038                           | 36.5            | 15.0 | 17.2 | 12.5 | 30          |
| 1/2"       | 6332-012                           | 39.5            | 16.0 | 21.3 | 16.0 | 36          |
| 3/4"       | 6332-034                           | 42.5            | 17.0 | 26.9 | 21.6 | 43          |
| 1"         | 6332-100                           | 50.0            | 20.0 | 33.7 | 27.2 | 51          |
| 1 1/4"     | 6332-114                           | 54.0            | 22.0 | 42.4 | 35.9 | 61          |
| 1 1/2"     | 6332-112                           | 58.0            | 24.0 | 48.3 | 41.8 | 69          |
| 2"         | 6332-200                           | 65.0            | 27.0 | 60.3 | 53.0 | 83          |
| 2 1/2"     | 6332-212                           | 75.0            | 29.5 | 76.1 | 68.8 | 104         |
| 3"         | 6332-300                           | 83.0            | 31.0 | 88.9 | 80.8 | 105         |

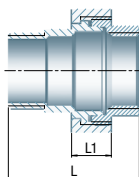
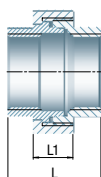
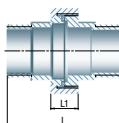


| 333        | UNIONS FLAT SEAT MALE THREAD, WELDING END |                 |      |      |      | MAT. 1.4408 |
|------------|-------------------------------------------|-----------------|------|------|------|-------------|
| Size [1x2] | Code                                      | Dimensions [mm] |      |      |      |             |
|            |                                           | L               | L1   | D1   | d2   | SW          |
| 1/4"       | 6333-014                                  | 44.0            | 13.5 | 13.5 | 8.8  | 27          |
| 3/8"       | 6333-038                                  | 47.5            | 15.0 | 17.2 | 12.5 | 30          |
| 1/2"       | 6333-012                                  | 54.0            | 16.0 | 21.3 | 16.0 | 36          |
| 3/4"       | 6333-034                                  | 58.0            | 17.0 | 26.9 | 21.6 | 43          |
| 1"         | 6333-100                                  | 68.0            | 20.0 | 33.7 | 27.2 | 51          |
| 1 1/4"     | 6333-114                                  | 74.5            | 22.0 | 42.4 | 35.9 | 61          |
| 1 1/2"     | 6333-112                                  | 78.5            | 24.0 | 48.3 | 41.8 | 69          |
| 2"         | 6333-200                                  | 90.0            | 27.0 | 60.3 | 53.0 | 83          |
| 2 1/2"     | 6333-212                                  | 102.0           | 29.5 | 76.1 | 68.8 | 104         |



| 334        | UNIONS FLAT SEAT FEMALE THREAD, WELDING END |                 |      |      |      | MAT. 1.4408 |
|------------|---------------------------------------------|-----------------|------|------|------|-------------|
| Size [1x2] | Code                                        | Dimensions [mm] |      |      |      |             |
|            |                                             | L               | L1   | D1   | d2   | SW          |
| 1/4"       | 6334-014                                    | 33.5            | 13.5 | 13.5 | 8.8  | 27          |
| 3/8"       | 6334-038                                    | 36.5            | 15.0 | 17.2 | 12.5 | 30          |
| 1/2"       | 6334-012                                    | 39.5            | 16.0 | 21.3 | 16.0 | 36          |
| 3/4"       | 6334-034                                    | 42.5            | 17.0 | 26.9 | 21.6 | 43          |
| 1"         | 6334-100                                    | 50.0            | 20.0 | 33.7 | 27.2 | 51          |
| 1 1/4"     | 6334-114                                    | 54.0            | 22.0 | 42.4 | 35.9 | 61          |
| 1 1/2"     | 6334-112                                    | 58.0            | 24.0 | 48.3 | 41.8 | 69          |
| 2"         | 6334-200                                    | 65.0            | 27.0 | 60.3 | 53.0 | 83          |



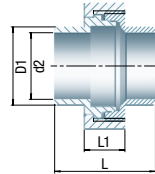


| 335        | UNIONS FLAT SEAT, M/M |                 |      |    |  | MAT. 1.4408 |
|------------|-----------------------|-----------------|------|----|--|-------------|
| Size [1x2] | Code                  | Dimensions [mm] |      |    |  |             |
|            |                       | L               | L1   | SW |  |             |
| 1/2"       | 6335-012              | 68.5            | 16.0 | 36 |  |             |
| 3/4"       | 6335-034              | 73.5            | 17.0 | 43 |  |             |
| 1"         | 6335-100              | 86.0            | 20.0 | 51 |  |             |
| 1 1/4"     | 6335-114              | 95.0            | 22.0 | 61 |  |             |
| 1 1/2"     | 6335-112              | 99.0            | 24.0 | 69 |  |             |

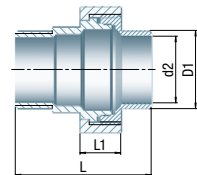
| 340        | UNIONS CONICAL SEAT, F/F |                 |      |       |  | MAT. 1.4408 |
|------------|--------------------------|-----------------|------|-------|--|-------------|
| Size [1x2] | Code                     | Dimensions [mm] |      |       |  |             |
|            |                          | L               | L1   | SW    |  |             |
| 1/8"       | 6340-018                 | 30.0            | 13.0 | 22    |  |             |
| 1/4"       | 6340-014                 | 33.5            | 13.5 | 27    |  |             |
| 3/8"       | 6340-038                 | 36.5            | 15.0 | 30    |  |             |
| 1/2"       | 6340-012                 | 39.5            | 16.0 | 36    |  |             |
| 3/4"       | 6340-034                 | 42.5            | 17.0 | 43    |  |             |
| 1"         | 6340-100                 | 50.0            | 20.0 | 51    |  |             |
| 1 1/4"     | 6340-114                 | 54.0            | 22.0 | 61    |  |             |
| 1 1/2"     | 6340-112                 | 58.0            | 24.0 | 69    |  |             |
| 2"         | 6340-200                 | 65.0            | 27.0 | 83    |  |             |
| 2 1/2"     | 6340-212                 | 75.0            | 29.5 | 104   |  |             |
| 3"         | 6340-300                 | 83.0            | 31.0 | 120,5 |  |             |
| 4"         | 6340-400                 | 110.0           | 34.0 | 147   |  |             |

| 341        | UNIONS CONICAL SEAT, M/F |                 |      |       |  | MAT. 1.4408 |
|------------|--------------------------|-----------------|------|-------|--|-------------|
| Size [1x2] | Code                     | Dimensions [mm] |      |       |  |             |
|            |                          | L               | L1   | SW    |  |             |
| 1/8"       | 6341-018                 | 38.0            | 13.0 | 22    |  |             |
| 1/4"       | 6341-014                 | 44.0            | 13.5 | 27    |  |             |
| 3/8"       | 6341-038                 | 47.5            | 15.0 | 30    |  |             |
| 1/2"       | 6341-012                 | 54.0            | 16.0 | 36    |  |             |
| 3/4"       | 6341-034                 | 58.0            | 17.0 | 43    |  |             |
| 1"         | 6341-100                 | 68.0            | 20.0 | 51    |  |             |
| 1 1/4"     | 6341-114                 | 74.5            | 22.0 | 61    |  |             |
| 1 1/2"     | 6341-112                 | 78.5            | 24.0 | 69    |  |             |
| 2"         | 6341-200                 | 90.0            | 27.0 | 83    |  |             |
| 2 1/2"     | 6341-212                 | 102.0           | 29.5 | 104   |  |             |
| 3"         | 6341-300                 | 113.0           | 31.0 | 120,5 |  |             |

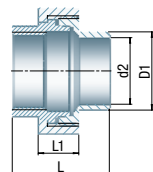
| 342        | UNIONS CONICAL SEAT BOTH ENDS<br>WELDING | MAT. 1.4408     |      |      |      |     |
|------------|------------------------------------------|-----------------|------|------|------|-----|
| Size [1x2] | Code                                     | Dimensions [mm] |      |      |      |     |
|            |                                          | L               | L1   | D1   | d2   | SW  |
| 1/4"       | 6342-014                                 | 33.5            | 13.5 | 13.5 | 8.8  | 27  |
| 3/8"       | 6342-038                                 | 36.5            | 15.0 | 17.2 | 12.5 | 30  |
| 1/2"       | 6342-012                                 | 39.5            | 16.0 | 21.3 | 16.0 | 36  |
| 3/4"       | 6342-034                                 | 42.5            | 17.0 | 26.9 | 21.6 | 43  |
| 1"         | 6342-100                                 | 50.0            | 20.0 | 33.7 | 27.2 | 51  |
| 1 1/4"     | 6342-114                                 | 54.0            | 22.0 | 42.4 | 35.9 | 61  |
| 1 1/2"     | 6342-112                                 | 58.0            | 24.0 | 48.3 | 41.8 | 69  |
| 2"         | 6342-200                                 | 65.0            | 27.0 | 60.3 | 53.0 | 83  |
| 2 1/2"     | 6342-212                                 | 75.0            | 29.5 | 76.1 | 68.8 | 104 |
| 3"         | 6342-300                                 | 83.0            | 31.0 | 88.9 | 80.8 | 105 |

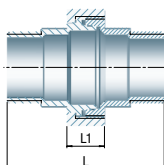


| 343        | UNIONS CONICAL SEAT, MALE THREAD,<br>WELDING END | MAT. 1.4408     |      |      |      |    |
|------------|--------------------------------------------------|-----------------|------|------|------|----|
| Size [1x2] | Code                                             | Dimensions [mm] |      |      |      |    |
|            |                                                  | L               | L1   | D1   | d2   | SW |
| 1/4"       | 6343-014                                         | 44.0            | 13.5 | 13.5 | 8.8  | 27 |
| 3/8"       | 6343-038                                         | 47.5            | 15.0 | 17.2 | 12.5 | 30 |
| 1/2"       | 6343-012                                         | 54.0            | 16.0 | 21.3 | 16.0 | 36 |
| 3/4"       | 6343-034                                         | 58.0            | 17.0 | 26.9 | 21.6 | 43 |
| 1"         | 6343-100                                         | 68.0            | 20.0 | 33.7 | 27.2 | 51 |
| 1 1/4"     | 6343-114                                         | 74.5            | 22.0 | 42.4 | 35.9 | 61 |
| 1 1/2"     | 6343-112                                         | 78.5            | 24.0 | 48.3 | 41.8 | 69 |
| 2"         | 6343-200                                         | 90.0            | 27.0 | 60.3 | 53.0 | 83 |

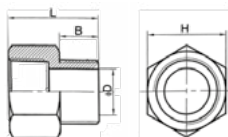


| 344        | UNIONS CONICAL SEAT, FEMALE<br>THREAD, WELDING END | MAT. 1.4408     |      |      |      |    |
|------------|----------------------------------------------------|-----------------|------|------|------|----|
| Size [1x2] | Code                                               | Dimensions [mm] |      |      |      |    |
|            |                                                    | L               | L1   | D1   | d2   | SW |
| 1/4"       | 6344-014                                           | 33.5            | 13.5 | 13.5 | 8.8  | 27 |
| 3/8"       | 6344-038                                           | 36.5            | 15.0 | 17.2 | 12.5 | 30 |
| 1/2"       | 6344-012                                           | 39.5            | 16.0 | 21.3 | 16.0 | 36 |
| 3/4"       | 6344-034                                           | 42.5            | 17.0 | 26.9 | 21.6 | 43 |
| 1"         | 6344-100                                           | 50.0            | 20.0 | 33.7 | 27.2 | 51 |
| 1 1/4"     | 6344-114                                           | 54.0            | 22.0 | 42.4 | 35.9 | 61 |
| 1 1/2"     | 6344-112                                           | 58.0            | 24.0 | 48.3 | 41.8 | 69 |
| 2"         | 6344-200                                           | 65.0            | 27.0 | 60.3 | 53.0 | 83 |





| 345        | UNIONS CONICAL SEAT, M/M | MAT. 1.4408     |      |    |  |  |  |
|------------|--------------------------|-----------------|------|----|--|--|--|
| Size [1x2] | Code                     | Dimensions [mm] |      |    |  |  |  |
|            |                          | L               | L1   | SW |  |  |  |
| 1/2"       | 6345-012                 | 68.5            | 16.0 | 36 |  |  |  |
| 3/4"       | 6345-034                 | 73.5            | 17.0 | 43 |  |  |  |
| 1"         | 6345-100                 | 86.0            | 20.0 | 51 |  |  |  |
| 2"         | 6345-200                 | 115.0           | 27.0 | 83 |  |  |  |



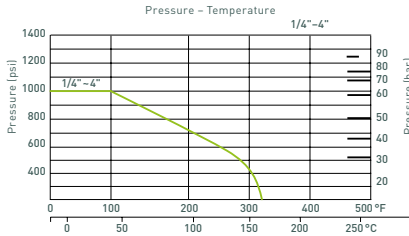
| 529H   | HEXAGON EXTENSION, M/F | MAT. 1.4408     |    |    |    |  |  |
|--------|------------------------|-----------------|----|----|----|--|--|
| Size   | Code                   | Dimensions [mm] |    |    |    |  |  |
|        |                        | L               | B  | D  | H  |  |  |
| 1/4"   | 6529H-014              | 29              | 10 | 7  | 17 |  |  |
| 3/8"   | 6529H-038              | 33              | 12 | 9  | 21 |  |  |
| 1/2"   | 6529H-012              | 37              | 13 | 13 | 26 |  |  |
| 3/4"   | 6529H-034              | 42              | 15 | 18 | 32 |  |  |
| 1"     | 6529H-100              | 47              | 17 | 23 | 38 |  |  |
| 1 1/4" | 6529H-114              | 53              | 20 | 29 | 50 |  |  |
| 1 1/2" | 6529H-112              | 53              | 20 | 35 | 54 |  |  |
| 2"     | 6529H-200              | 57              | 24 | 44 | 70 |  |  |

PTFE seals, different versions on request.

## TYPE 603

## 1/4"-2" 1 PC BALL VALVE

- Female thread, reduced bore and lock handle
- Blow-out proof stem
- Investment casting body
- Max. pressure stage: PN 63

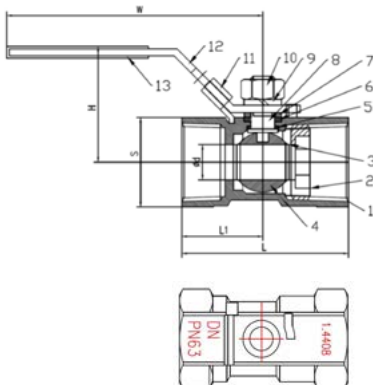


603

1 pc. ball valve. female thread. reduced bore. lock handle

MAT. 1.4408

| Size   | Code    | Dimensions [mm] |       |      |      |       |      | KG    |
|--------|---------|-----------------|-------|------|------|-------|------|-------|
|        |         | d               | L     | L1   | H    | W     | S    |       |
| 1/4"   | 603-014 | 5.0             | 39.0  | 19.0 | 30.0 | 70.0  | 17.0 | 0.060 |
| 3/8"   | 603-038 | 6.8             | 44.0  | 21.0 | 34.0 | 90.0  | 21.0 | 0.100 |
| 1/2"   | 603-012 | 9.2             | 56.5  | 27.5 | 41.0 | 100.0 | 25.0 | 0.175 |
| 3/4"   | 603-034 | 12.5            | 59.0  | 29.0 | 44.0 | 100.0 | 32.0 | 0.240 |
| 1"     | 603-100 | 15.0            | 71.0  | 34.5 | 50.0 | 110.0 | 38.0 | 0.390 |
| 1 1/4" | 603-114 | 20.0            | 78.0  | 37.0 | 55.0 | 110.0 | 48.0 | 0.610 |
| 1 1/2" | 603-112 | 25.0            | 83.0  | 40.0 | 64.0 | 135.0 | 53.0 | 0.760 |
| 2"     | 603-200 | 32.0            | 100.0 | 49.0 | 70.0 | 145.0 | 65.0 | 1.175 |

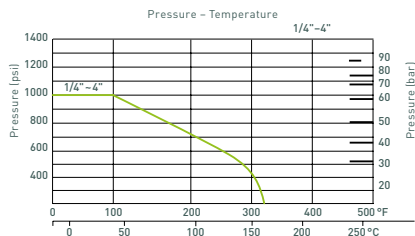


| Nº. | Parts         | QTY | Material           |
|-----|---------------|-----|--------------------|
| 1   | Body          | 1   | ASTM - A351 - CF8M |
| 2   | Insert        | 1   | ASTM - A351 - CF8M |
| 3   | Ball seat     | 2   | PTFE               |
| 4   | Ball          | 1   | ASTM - A351 - CF8M |
| 5   | Thrust washer | 1   | PTFE               |
| 6   | Stem packing  | 1   | PTFE               |
| 7   | Stem washer   | 1   | AISI 304           |
| 8   | Stem          | 1   | AISI 316           |
| 9   | Spring washer | 1   | AISI 304           |
| 10  | Stem nut      | 1   | AISI 304           |
| 11  | Lock device   | 1   | AISI 304           |
| 12  | Handle        | 1   | AISI 304           |
| 13  | Plastic cover | 1   | PLASTIC            |

## TYPE 604

### 1/4"-3" 2PCS BALL VALVE

- Female thread, full bore, DIN 3202 M3 and lock handle
- Blow-out proof stem
- Investment casting body
- Max. pressure stage: PN 63

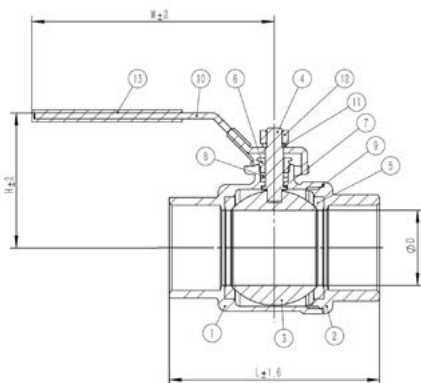


604

2 Pcs. ball valve. female thread. full bore. DIN 3202 M3. lock handle

| Size   | Code    | Dimensions [mm] |       |       |       | KG    |
|--------|---------|-----------------|-------|-------|-------|-------|
|        |         | d               | L     | H     | W     |       |
| 1/4"   | 604-014 | 11.6            | 55.0  | 51.0  | 95.0  | 0.220 |
| 3/8"   | 604-038 | 12.7            | 60.0  | 51.0  | 95.0  | 0.200 |
| 1/2"   | 604-012 | 15.0            | 75.0  | 53.0  | 95.0  | 0.300 |
| 3/4"   | 604-034 | 20.0            | 80.0  | 59.0  | 110.0 | 0.460 |
| 1"     | 604-100 | 25.0            | 90.0  | 73.0  | 135.0 | 0.720 |
| 1 1/4" | 604-114 | 32.0            | 110.0 | 78.0  | 135.0 | 1.180 |
| 1 1/2" | 604-112 | 38.0            | 120.0 | 91.0  | 147.0 | 1.820 |
| 2"     | 604-200 | 50.0            | 140.0 | 99.0  | 165.0 | 2.820 |
| 2 1/2" | 604-212 | 65.0            | 185.0 | 130.0 | 215.0 | 5.580 |
| 3"     | 604-300 | 80.0            | 205.0 | 142.0 | 215.0 | 9.240 |

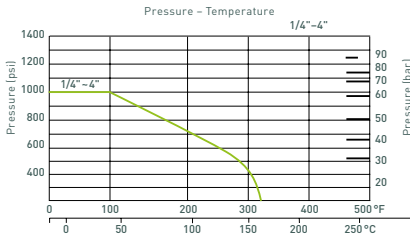
| Nº. | Parts         | QTY | Material       |
|-----|---------------|-----|----------------|
| 1   | Body          | 1   | ASTM-CFM8-A351 |
| 2   | Cap           | 1   | ASTM-CFM8-A351 |
| 3   | Ball          | 1   | ASTM-CFM8-A351 |
| 4   | Stem          | 1   | AISI 316       |
| 5   | Ball seat     | 2   | PTFE           |
| 6   | Thrust washer | 1   | PTFE           |
| 7   | Gland nut     | 1   | AISI 304       |
| 8   | Stem packing  | 2   | PTFE           |
| 9   | Joint gasket  | 1   | PTFE           |
| 10  | Handle        | 1   | AISI 304       |
| 11  | Stem washer   | 1   | AISI 304       |
| 12  | Stem nut      | 1   | AISI 304       |
| 13  | Plastic cover | 1   | PLASTIC        |



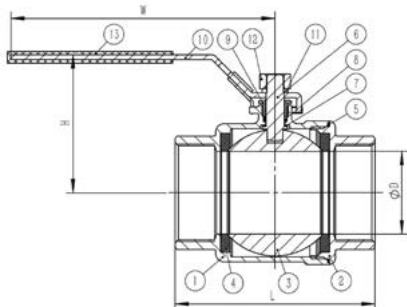
## TYPE 605

## 1/4"-4" 2 PCS ECO BALL VALVE

- Female thread, full bore and lock handle
- Blow-out proof stem
- Investment casting body
- Max. pressure stage: PN 63



| 605    | 2 Pcs. Eco ball valve. female thread. full bore. lock handle |                 |       |       |       | MAT. 1.4408 |
|--------|--------------------------------------------------------------|-----------------|-------|-------|-------|-------------|
| Size   | Code                                                         | Dimensions [mm] |       |       |       | KG          |
|        |                                                              | L               | D     | H     | W     |             |
| 1/4"   | 605-014                                                      | 49.0            | 11.6  | 48.0  | 95.0  | 0.220       |
| 3/8"   | 605-038                                                      | 49.0            | 12.7  | 48.0  | 95.0  | 0.200       |
| 1/2"   | 605-012                                                      | 57.0            | 15.0  | 48.5  | 95.0  | 0.208       |
| 3/4"   | 605-034                                                      | 65.0            | 20.0  | 54.5  | 108.0 | 0.319       |
| 1"     | 605-100                                                      | 77.0            | 25.0  | 58.0  | 108.0 | 0.490       |
| 1 1/4" | 605-114                                                      | 90.0            | 32.0  | 70.5  | 130.0 | 0.792       |
| 1 1/2" | 605-112                                                      | 98.0            | 38.0  | 76.0  | 130.0 | 1.500       |
| 2"     | 605-200                                                      | 121.0           | 50.0  | 83.5  | 165.0 | 2.057       |
| 2 1/2" | 605-212                                                      | 145.0           | 65.0  | 125.0 | 215.0 | 4.280       |
| 3"     | 605-300                                                      | 166.0           | 80.0  | 136.0 | 215.0 | 6.400       |
| 4"     | 605-400                                                      | 198.0           | 100.0 | 165.0 | 270.0 | 16.200      |

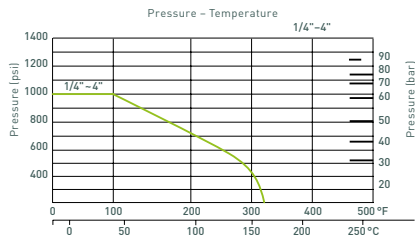


| Nº. | Parts         | QTY | Material           |
|-----|---------------|-----|--------------------|
| 1   | Body          | 1   | ASTM - A351 - CF8M |
| 2   | Cap           | 1   | ASTM - A351 - CF8M |
| 3   | Ball          | 1   | ASTM - A351 - CF8M |
| 4   | Ball seat     | 2   | PTFE               |
| 5   | Joint gasket  | 1   | PTFE               |
| 6   | Stem          | 1   | AISI 316           |
| 7   | Thrust washer | 1   | PTFE               |
| 8   | Stem packing  | 1   | PTFE               |
| 9   | Gland nut     | 1   | AISI 304           |
| 10  | Handle        | 1   | AISI 304           |
| 11  | Stem washer   | 1   | AISI 304           |
| 12  | Stem nut      | 1   | AISI 304           |
| 13  | Plastic cover | 1   | PLASTIC            |

## TYPE 607

### 1/4"-4" 3 PCS BALL VALVE

- Butt weld ends, full bore and lock handle
- Blow-out proof stem
- Investment casting body
- Max. pressure stage: PN 63



607

3 Pcs. ball valve. butt weld ends. full bore. lock handle

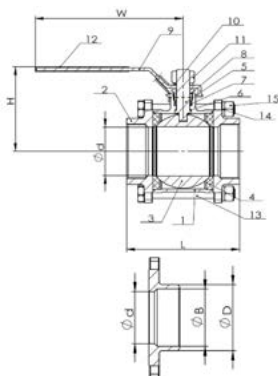
MAT. 1.4408

| Size               | Code    | Dimensions [mm] |       |       |       |       |       | KG     |
|--------------------|---------|-----------------|-------|-------|-------|-------|-------|--------|
|                    |         | d               | L     | H     | W     | B     | D     |        |
| <b>ISO TOP</b>     |         |                 |       |       |       |       |       |        |
| 1/4" (13.5)        | 607-014 | 11.6            | 59.0  | 51.0  | 95.0  | 12.0  | 18.0  | 0.320  |
| 3/8" (17.2)        | 607-038 | 12.7            | 59.0  | 51.0  | 95.0  | 14.0  | 18.0  | 0.330  |
| <b>DIN 3202 M3</b> |         |                 |       |       |       |       |       |        |
| 1/2" (21.3)        | 607-012 | 15.0            | 75.0  | 55.0  | 95.0  | 15.5  | 21.3  | 0.449  |
| 3/4" (26.9)        | 607-034 | 20.0            | 80.0  | 59.0  | 110.0 | 21.1  | 26.9  | 0.635  |
| 1" (33.7)          | 607-100 | 25.0            | 90.0  | 73.0  | 135.0 | 27.3  | 33.7  | 0.910  |
| 1 1/4" (42.4)      | 607-114 | 32.0            | 110.0 | 78.0  | 135.0 | 35.2  | 42.4  | 1.505  |
| 1 1/2" (48.3)      | 607-112 | 38.0            | 120.0 | 91.0  | 147.0 | 41.1  | 48.3  | 2.065  |
| 2" (60.3)          | 607-200 | 50.0            | 140.0 | 99.0  | 165.0 | 52.3  | 60.3  | 3.150  |
| 2 1/2" (76.1)      | 607-212 | 65.0            | 185.0 | 130.0 | 215.0 | 65.0  | 76.1  | 6.685  |
| 3" (88.9)          | 607-300 | 80.0            | 205.0 | 142.0 | 215.0 | 80.0  | 88.9  | 9.790  |
| 4" (114.3)         | 607-400 | 100.0           | 240.0 | 174.0 | 310.0 | 102.0 | 115.0 | 20.320 |

#### DIN3202 M3 articles

| Nº. | Parts         | QTY | Material           |
|-----|---------------|-----|--------------------|
| 1   | Body          | 1   | ASTM - A351 - CF8M |
| 2   | Cap           | 2   | ASTM - A351 - CF8M |
| 3   | Ball          | 1   | ASTM - A351 - CF8M |
| 4   | Ball seat     | 2   | PTFE               |
| 5   | Stem          | 1   | AISI 316           |
| 6   | Thrust washer | 1   | PTFE               |
| 7   | Stem packing  | 2   | PTFE               |
| 8   | Gland nut     | 1   | AISI 304           |
| 9   | Handle        | 1   | AISI 304           |
| 10  | Stem washer   | 1   | AISI 304           |
| 11  | Stem nut      | 1   | AISI 304           |
| 12  | Plastic cover | 1   | PLASTIC            |
| 13  | Bolt          | 6   | AISI 304           |
| 14  | Spring washer | 6   | AISI 304           |
| 15  | Hex nut       | 6   | AISI 304           |

#### Technical drawing for DIN3202 M3 articles



#### ISO TOP articles\*

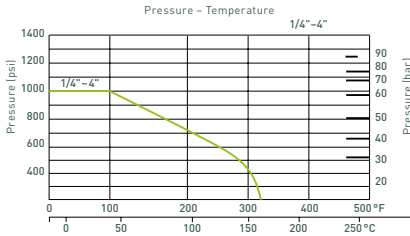
| Nº. | Parts         | QTY | Material           |
|-----|---------------|-----|--------------------|
| 1   | Bolt          | 4-6 | AISI 304           |
| 2   | Ball seat     | 2   | PTFE               |
| 3   | Body          | 1   | ASTM - A351 - CF8M |
| 4   | Ball          | 1   | ASTM - A351 - CF8M |
| 5   | Joint gasket  | 2   | PTFE               |
| 6   | Cap           | 2   | ASTM - A351 - CF8M |
| 7   | Spring washer | 4-6 | AISI 304           |
| 8   | Hex nut       | 4-6 | AISI 304           |
| 9   | Thrust washer | 1   | PTFE               |
| 10  | Stem          | 1   | AISI 316           |
| 11  | Stem packing  | 1   | PTFE               |
| 12  | Gland nut     | 1   | AISI 304           |
| 13  | Handle        | 1   | AISI 304           |
| 14  | Stem washer   | 1   | AISI 304           |
| 15  | Stem nut      | 1   | AISI 304           |
| 16  | Lock device   | 1   | AISI 304           |
| 17  | Plastic cover | 1   | PLASTIC            |

\*For the technical drawing of these products please contact our office.

## TYPE 608

## 1/4"-4" 3 PCS BALL VALVE

- Female thread, full bore and lock handle
- Blow-out proof stem
- Investment casting body
- Max. pressure stage: PN 63



608

3 Pcs. ball valve, female thread, full bore, lock handle

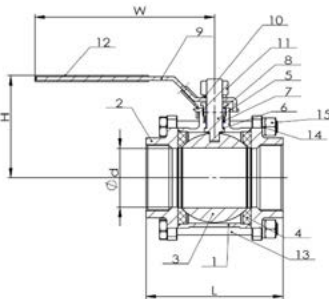
MAT. 1.4408

| Size               | Code    | Dimensions [mm] |       |       |       | KG     |
|--------------------|---------|-----------------|-------|-------|-------|--------|
|                    |         | d               | L     | H     | W     |        |
| <b>ISO TOP</b>     |         |                 |       |       |       |        |
| 1/4"               | 608-014 | 11.6            | 59.0  | 51.0  | 95.0  | 0.320  |
| 3/8"               | 608-038 | 12.7            | 59.0  | 51.0  | 95.0  | 0.330  |
| <b>DIN 3202 M3</b> |         |                 |       |       |       |        |
| 1/2"               | 608-012 | 15.0            | 75.0  | 55.0  | 95.0  | 0.474  |
| 3/4"               | 608-034 | 20.0            | 80.0  | 59.0  | 110.0 | 0.651  |
| 1"                 | 608-100 | 25.0            | 90.0  | 73.0  | 135.0 | 0.911  |
| 1 1/4"             | 608-114 | 32.0            | 110.0 | 78.0  | 135.0 | 1.466  |
| 1 1/2"             | 608-112 | 38.0            | 120.0 | 91.0  | 147.0 | 2.073  |
| 2"                 | 608-200 | 50.0            | 140.0 | 99.0  | 165.0 | 3.492  |
| 2 1/2"             | 608-212 | 65.0            | 185.0 | 130.0 | 215.0 | 6.564  |
| 3"                 | 608-300 | 80.0            | 205.0 | 142.0 | 215.0 | 10.480 |
| 4"                 | 608-400 | 100.0           | 240.0 | 174.0 | 310.0 | 20.470 |

## DIN3202 M3 articles

| Nº. | Parts         | QTY | Material           |
|-----|---------------|-----|--------------------|
| 1   | Body          | 1   | ASTM - A351 - CF8M |
| 2   | Cap           | 2   | ASTM - A351 - CF8M |
| 3   | Ball          | 1   | ASTM - A351 - CF8M |
| 4   | Ball seat     | 2   | PTFE               |
| 5   | Stem          | 1   | AISI 316           |
| 6   | Thrust washer | 1   | PTFE               |
| 7   | Stem packing  | 2   | PTFE               |
| 8   | Gland nut     | 1   | AISI 304           |
| 9   | Handle        | 1   | AISI 304           |
| 10  | Stem washer   | 1   | AISI 304           |
| 11  | Stem nut      | 1   | AISI 304           |
| 12  | Plastic cover | 1   | PLASTIC            |
| 13  | Bolt          | 6   | AISI 304           |
| 14  | Spring washer | 6   | AISI 304           |
| 15  | Hex nut       | 6   | AISI 304           |

## Technical drawing for DIN3202 M3 articles



## ISO TOP articles\*

| Nº. | Parts         | QTY | Material           |
|-----|---------------|-----|--------------------|
| 1   | Bolt          | 4-6 | AISI 304           |
| 2   | Ball seat     | 2   | PTFE               |
| 3   | Body          | 1   | ASTM - A351 - CF8M |
| 4   | Ball          | 1   | ASTM - A351 - CF8M |
| 5   | Joint gasket  | 2   | PTFE               |
| 6   | Cap           | 2   | ASTM - A351 - CF8M |
| 7   | Spring washer | 4-6 | AISI 304           |
| 8   | Hex nut       | 4-6 | AISI 304           |
| 9   | Thrust washer | 1   | PTFE               |
| 10  | Stem          | 1   | AISI 316           |
| 11  | Stem packing  | 1   | PTFE               |
| 12  | Gland nut     | 1   | AISI 304           |
| 13  | Handle        | 1   | AISI 304           |
| 14  | Stem washer   | 1   | AISI 304           |
| 15  | Stem nut      | 1   | AISI 304           |
| 16  | Lock device   | 1   | AISI 304           |
| 17  | Plastic cover | 1   | PLASTIC            |

\*For the technical drawing of these products please contact our office.

## TYPE 609

### 1/2"-1" 1 PC BIBCOCK WITH FULL BORE

- full bore with lock handle and hose connection
- Jointing male thread DIN EN 10226-1 / ISO 7/1
- Media: Water warm and cold
- max. operating pressure: PN 16

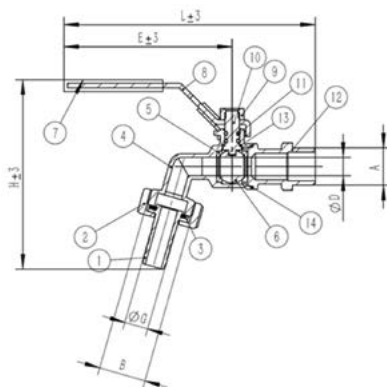


609

1 PC BIBCOCK WITH FULL BORE, LOCK HANDLE AND HOSE CONNECTION

| Size |      | Code    | Dimensions [mm] |    |     |      |      |      |        | KG    |
|------|------|---------|-----------------|----|-----|------|------|------|--------|-------|
| DN   | Size |         | L               | E  | H   | D    | A    | G    | B      |       |
| 15   | 1/2" | 609-012 | 138             | 90 | 103 | 10,0 | 1/2" | 13,0 | 3/4"   | 0.232 |
| 20   | 3/4" | 609-034 | 143             | 90 | 115 | 12,8 | 3/4" | 20,0 | 1"     | 0.344 |
| 25   | 1"   | 609-100 | 145             | 90 | 126 | 15,0 | 1"   | 25,4 | 1 1/4" | 0.507 |

| Nº. | Parts          | QTY | Material           |
|-----|----------------|-----|--------------------|
| 1   | Hose           | 1   | ASTM - A351 - CF8M |
| 2   | Hose nut       | 1   | ASTM - A351 - CF8M |
| 3   | Gasket         | 1   | NBR                |
| 4   | Body           | 1   | ASTM - A351 - CF8M |
| 5   | Seat           | 2   | PTFE               |
| 6   | Ball           | 1   | AISI 316           |
| 7   | Handle cover   | 1   | Plastic            |
| 8   | Handle         | 1   | AISI 304           |
| 9   | Nut            | 1   | AISI 304           |
| 10  | Stem           | 1   | AISI 316           |
| 11  | O-Ring         | 2   | NBR                |
| 12  | Connection Cap | 1   | ASTM - A351 - CF8M |
| 13  | Thrust washer  | 1   | PTFE               |
| 14  | Joint Gasket   | 1   | PTFE               |



## TYPE 610

## 1/2"-2" Y-STRAINER MADE OF STAINLESS STEEL

- Y-Strainer with threaded female ends DIN EN 10226-1 / ISO 7-1
- Design: angle seat
- Media: Water warm and cold
- Operating temperature: -20°C - + 180°C
- Operating pressure: max. 40 bar
- Filter screen MW 1 mm
- Screen insert with sealing as spare part available

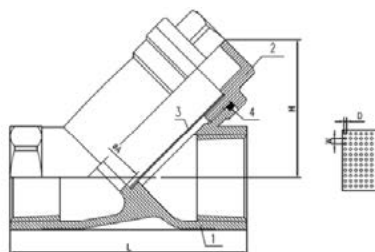


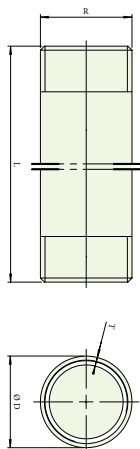
| 610    | Y-STRAINER WITH THREADED FEMALE ENDS |                  |     |   |   |    |       |
|--------|--------------------------------------|------------------|-----|---|---|----|-------|
| Size   | Code                                 | Dimensiones [mm] |     |   |   |    |       |
|        |                                      | A                | L   | D | W | H  | kg/pc |
| 1/2"   | 610-012                              | 15               | 65  | 1 | 2 | 39 | 0.225 |
| 3/4"   | 610-034                              | 20               | 80  | 1 | 2 | 45 | 0.322 |
| 1"     | 610-100                              | 25               | 90  | 1 | 2 | 52 | 0.540 |
| 1 1/4" | 610-114                              | 32               | 105 | 1 | 2 | 58 | 0.723 |
| 1 1/2" | 610-112                              | 40               | 120 | 1 | 2 | 72 | 1.020 |
| 2"     | 610-200                              | 50               | 140 | 1 | 2 | 80 | 1.426 |

## SPARE PART SET SEALING + FILTER SCREEN

| For size Y-Strainer | Code     |
|---------------------|----------|
| 1/2"                | 610-012E |
| 3/4"                | 610-034E |
| 1"                  | 610-100E |
| 1 1/4"              | 610-114E |
| 1 1/2"              | 610-112E |
| 2"                  | 610-200E |

| Nº. | Parts  | QTY | Material   |
|-----|--------|-----|------------|
| 1   | Body   | 1   | CF8 - CF8M |
| 2   | Cap    | 1   | CF8 - CF8M |
| 3   | Screen | 1   | AISI 316   |
| 4   | Gasket | 1   | PTFE       |





## BARREL NIPPLE

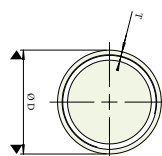
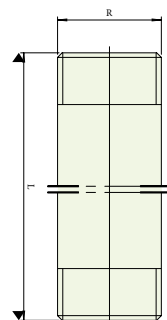
MAT. 1.4404

| Thread ISO 7/1 (R) x Length (L) | Pipe-outer-Ø (D)<br>x Wall thickness (T) | Code        |
|---------------------------------|------------------------------------------|-------------|
| 1/8" x 40 mm                    | 10.2 x 2.0 mm                            | 6070.040.01 |
| 1/8" x 60 mm                    | 10.2 x 2.0 mm                            | 6070.060.01 |
| 1/8" x 100 mm                   | 10.2 x 2.0 mm                            | 6070.100.01 |
| 1/4" x 30 mm                    | 13.5 x 2.3 mm                            | 6070.030.02 |
| 1/4" x 40 mm                    | 13.5 x 2.3 mm                            | 6070.040.02 |
| 1/4" x 60 mm                    | 13.5 x 2.3 mm                            | 6070.060.02 |
| 1/4" x 80 mm                    | 13.5 x 2.3 mm                            | 6070.080.02 |
| 1/4" x 100 mm                   | 13.5 x 2.3 mm                            | 6070.100.02 |
| 1/4" x 120 mm                   | 13.5 x 2.3 mm                            | 6070.120.02 |
| 1/4" x 150 mm                   | 13.5 x 2.3 mm                            | 6070.150.02 |
| 1/4" x 200 mm                   | 13.5 x 2.3 mm                            | 6070.200.02 |
| 3/8" x 40 mm                    | 17.2 x 2.3 mm                            | 6070.040.03 |
| 3/8" x 60 mm                    | 17.2 x 2.3 mm                            | 6070.060.03 |
| 3/8" x 80 mm                    | 17.2 x 2.3 mm                            | 6070.080.03 |
| 3/8" x 100 mm                   | 17.2 x 2.3 mm                            | 6070.100.03 |
| 3/8" x 120 mm                   | 17.2 x 2.3 mm                            | 6070.120.03 |
| 3/8" x 150 mm                   | 17.2 x 2.3 mm                            | 6070.150.03 |
| 3/8" x 200 mm                   | 17.2 x 2.3 mm                            | 6070.200.03 |
| 1/2" x 40 mm                    | 21.3 x 2.6 mm                            | 6070.040.04 |
| 1/2" x 60 mm                    | 21.3 x 2.6 mm                            | 6070.060.04 |
| 1/2" x 80 mm                    | 21.3 x 2.6 mm                            | 6070.080.04 |
| 1/2" x 100 mm                   | 21.3 x 2.6 mm                            | 6070.100.04 |
| 1/2" x 120 mm                   | 21.3 x 2.6 mm                            | 6070.120.04 |
| 1/2" x 150 mm                   | 21.3 x 2.6 mm                            | 6070.150.04 |
| 1/2" x 200 mm                   | 21.3 x 2.6 mm                            | 6070.200.04 |
| 1/2" x 300 mm                   | 21.3 x 2.6 mm                            | 6070.300.04 |
| 3/4" x 40 mm                    | 26.9 x 2.6 mm                            | 6070.040.05 |
| 3/4" x 60 mm                    | 26.9 x 2.6 mm                            | 6070.060.05 |
| 3/4" x 80 mm                    | 26.9 x 2.6 mm                            | 6070.080.05 |
| 3/4" x 100 mm                   | 26.9 x 2.6 mm                            | 6070.100.05 |
| 3/4" x 120 mm                   | 26.9 x 2.6 mm                            | 6070.120.05 |
| 3/4" x 150 mm                   | 26.9 x 2.6 mm                            | 6070.150.05 |
| 3/4" x 200 mm                   | 26.9 x 2.6 mm                            | 6070.200.05 |
| 3/4" x 300 mm                   | 26.9 x 2.6 mm                            | 6070.300.05 |
| 1" x 40 mm                      | 33.7 x 3.2 mm                            | 6070.040.06 |
| 1" x 60 mm                      | 33.7 x 3.2 mm                            | 6070.060.06 |
| 1" x 80 mm                      | 33.7 x 3.2 mm                            | 6070.080.06 |
| 1" x 100 mm                     | 33.7 x 3.2 mm                            | 6070.100.06 |
| 1" x 120 mm                     | 33.7 x 3.2 mm                            | 6070.120.06 |
| 1" x 150 mm                     | 33.7 x 3.2 mm                            | 6070.150.06 |
| 1" x 200 mm                     | 33.7 x 3.2 mm                            | 6070.200.06 |
| 1" x 300 mm                     | 33.7 x 3.2 mm                            | 6070.300.06 |

## BARREL NIPPLE

MAT. 1.4404

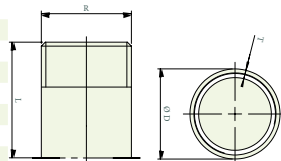
| Thread ISO 7/1 (R) x Length (L) | Pipe-outer-Ø (D)<br>x Wall thickness (T) | Code        |
|---------------------------------|------------------------------------------|-------------|
| 1 1/4" x 40 mm                  | 42.4 x 3.2 mm                            | 6070.040.07 |
| 1 1/4" x 60 mm                  | 42.4 x 3.2 mm                            | 6070.060.07 |
| 1 1/4" x 80 mm                  | 42.4 x 3.2 mm                            | 6070.080.07 |
| 1 1/4" x 100 mm                 | 42.4 x 3.2 mm                            | 6070.100.07 |
| 1 1/4" x 120 mm                 | 42.4 x 3.2 mm                            | 6070.120.07 |
| 1 1/4" x 150 mm                 | 42.4 x 3.2 mm                            | 6070.150.07 |
| 1 1/4" x 200 mm                 | 42.4 x 3.2 mm                            | 6070.200.07 |
| 1 1/2" x 40 mm                  | 48.3 x 3.2 mm                            | 6070.040.08 |
| 1 1/2" x 60 mm                  | 48.3 x 3.2 mm                            | 6070.060.08 |
| 1 1/2" x 80 mm                  | 48.3 x 3.2 mm                            | 6070.080.08 |
| 1 1/2" x 100 mm                 | 48.3 x 3.2 mm                            | 6070.100.08 |
| 1 1/2" x 120 mm                 | 48.3 x 3.2 mm                            | 6070.120.08 |
| 1 1/2" x 150 mm                 | 48.3 x 3.2 mm                            | 6070.150.08 |
| 1 1/2" x 200 mm                 | 48.3 x 3.2 mm                            | 6070.200.08 |
| 2" x 40 mm                      | 60.3 x 3.6 mm                            | 6070.040.09 |
| 2" x 60 mm                      | 60.3 x 3.6 mm                            | 6070.060.09 |
| 2" x 80 mm                      | 60.3 x 3.6 mm                            | 6070.080.09 |
| 2" x 100 mm                     | 60.3 x 3.6 mm                            | 6070.100.09 |
| 2" x 120 mm                     | 60.3 x 3.6 mm                            | 6070.120.09 |
| 2" x 150 mm                     | 60.3 x 3.6 mm                            | 6070.150.09 |
| 2" x 200 mm                     | 60.3 x 3.6 mm                            | 6070.200.09 |
| 2 1/2" x 100 mm                 | 76.1 x 3.6 mm                            | 6070.100.10 |
| 2 1/2" x 120 mm                 | 76.1 x 3.6 mm                            | 6070.120.10 |
| 2 1/2" x 150 mm                 | 76.1 x 3.6 mm                            | 6070.150.10 |
| 3" x 120 mm                     | 88.9 x 4.0 mm                            | 6070.120.11 |
| 3" x 150 mm                     | 88.9 x 4.0 mm                            | 6070.150.11 |
| 3" x 200 mm                     | 88.9 x 4.0 mm                            | 6070.200.11 |
| 4" x 100 mm                     | 114.3 x 4.5 mm                           | 6070.100.12 |
| 4 x 120 mm                      | 114.3 x 4.5 mm                           | 6070.120.12 |



## WELDING NIPPLE, ONE SIDE WELDING

MAT. 1.4404

| Thread ISO 7/1 (R) x Length (L) | Pipe-outer-Ø (D)<br>x Wall thickness (T) | Code        |
|---------------------------------|------------------------------------------|-------------|
| 1/8" x 30 mm                    | 10.2 x 2.0 mm                            | 6072.030.01 |
| 1/4" x 30 mm                    | 13.5 x 2.3 mm                            | 6072.030.02 |
| 3/8" x 30 mm                    | 17.2 x 2.3 mm                            | 6072.030.03 |
| 1/2" x 35 mm                    | 21.3 x 2.6 mm                            | 6072.035.04 |
| 3/4" x 40 mm                    | 26.9 x 2.6 mm                            | 6072.040.05 |
| 1" x 40 mm                      | 33.7 x 3.2 mm                            | 6072.040.06 |
| 1 1/4" x 50 mm                  | 42.4 x 3.2 mm                            | 6072.050.07 |
| 1 1/2" x 50 mm                  | 48.3 x 3.2 mm                            | 6072.050.08 |
| 2" x 50 mm                      | 60.3 x 3.6 mm                            | 6072.050.09 |
| 2 1/2" x 60 mm                  | 76.1 x 3.6 mm                            | 6072.060.10 |
| 3" x 70 mm                      | 88.9 x 4.0 mm                            | 6072.070.11 |
| 4 x 80 mm                       | 114.3 x 4.5 mm                           | 6072.080.12 |



**CERTIFICATES**

**PLEASE ASK AT OUR SALES OFFICES  
FOR NATIONAL CERTIFICATES.**