

## BRASS BALL VALVE WITH FIXED STEM EXTENSION ACS 4MS ( REF.609-618 )

**PRODUCT EVOLUTION**

**Be careful, our stem extension valves are changing**

**We currently have 2 different types available (according to DN)  
with different height dimensions**

**Current type :**



**New type :**



**At the end, only the new type with packing (from DN1/2" to 2") will  
be available (from page 2 to 11)**

**BRASS BALL VALVE WITH FIXED STEM EXTENSION ACS 4MS ( REF.609-618 )**

4MS brass ball valves with fixed stem extension with full bore for drinking water and water distribution.

PTFE packing and solid ball.

Fixed stem extension to protect the insulation.

Reversible steel handle with Dacromet coated nut.

**NEW**

**Size :** DN3/8" to DN2"

**Connection :** Male, Female BSP

**Min Temperature :** -10°C

**Max Temperature :** +120°C

**Max Pressure :** 30 Bars (up to DN1")

**Specifications :** Fixed stem extension

PTFE packing

Full bore

**Materials :** Brass EN 12165-CW617N-4MS

\*the installation defects and wear defects are not covered by the guarantee



## BRASS BALL VALVE WITH FIXED STEM EXTENSION ACS 4MS ( REF.609-618 )

### SPECIFICATIONS :

- Full bore
- Large flat sealing face
- Anti blow-out stem ( from DN1/2" to DN2")
- Fixed stem extension
- Solid ball
- PTFE packing
- Flat steel or butterfly handle
- Marking body " 80S " with ACS, fabrication date and logo
- ACS number on the handle
- Reversible handle (disassemble the stem extension and turn it to 180°)
- Hole on the handle allowing the locking of the valve (thanks to a rilsan clamp)



### USE :

- Water distribution
- Min Temperature Ts : - 10°C
- Max Temperature Ts :+ 120°C
- Max Pressure Ps : 30 bars up to DN 1" , 20 bars for DN 1"1/4 and 1"1/2 , 16 bars for DN 2"

### RANGE :



- Female / Female with red flat steel handle **Ref. 615** from DN 3/8" to 2"



- Female / Female with blue flat steel handle **Ref. 6151** from DN 1/2" to 2"



- Female / Female with red butterfly handle **Ref. 617** from DN 1/2" to 3/4"



## BRASS BALL VALVE WITH FIXED STEM EXTENSION ACS 4MS ( REF.609-618 )

RANGE (SUITE) :

- Male / Female with red flat steel handle **Ref. 616** from DN 3/8" to 2"



- Male / Female with blue flat steel handle **Ref. 6161** from DN 1/2" to 2"



- Male / Female with red butterfly handle **Ref. 618** from DN 1/2" to 3/4"

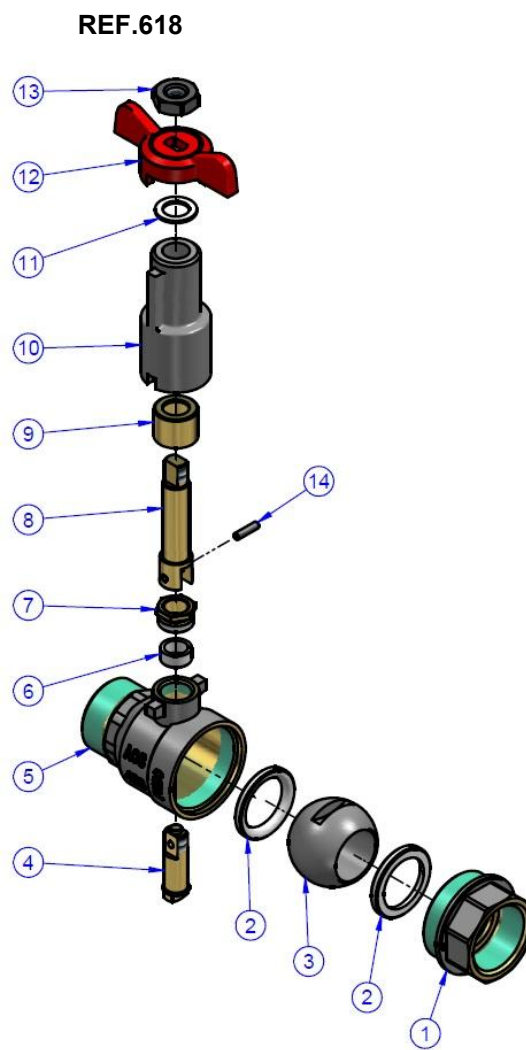
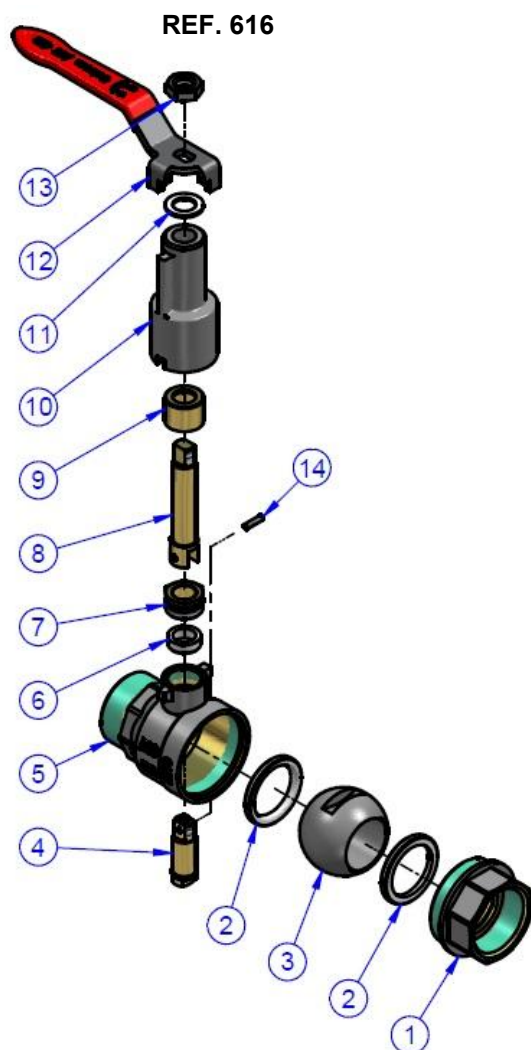


- Male / Male with red flat steel handle **Ref. 609** from DN 1/2" to 1"





## BRASS BALL VALVE WITH FIXED STEM EXTENSION ACS 4MS ( REF.609-618 )

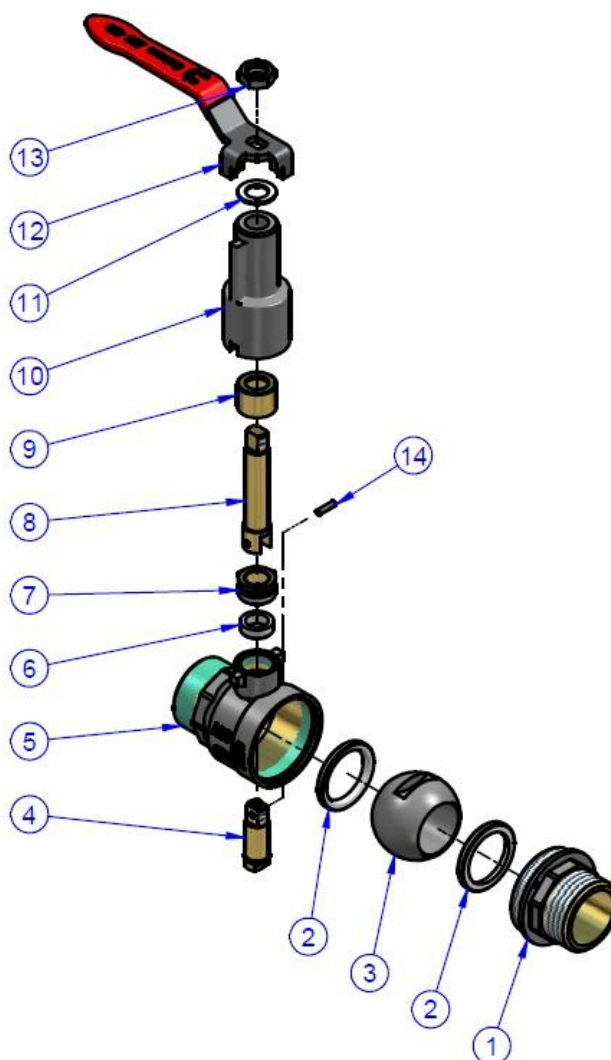
MATERIALS MALE – FEMALE TYPES :

| Item | Designation       | Materials Ref.616                                            | Materials Ref.618 |
|------|-------------------|--------------------------------------------------------------|-------------------|
| 1    | Bonnet            | Brass CW 617 N 4MS according to EN 12165 (nickeled external) |                   |
| 2    | Seat              | PTFE                                                         |                   |
| 3    | Ball              | Chromed brass                                                |                   |
| 4    | Stem              | Brass CW 617 N 4MS according to EN 12165                     |                   |
| 5    | Body              | Brass CW 617 N 4MS according to EN 12165 (nickeled external) |                   |
| 6    | Packing           | PTFE                                                         |                   |
| 7    | Packing nut       | Brass                                                        |                   |
| 8    | Stem extension    |                                                              |                   |
| 9    | Long pole set     |                                                              |                   |
| 10   | Extension housing | AL-46100                                                     |                   |
| 11   | Gasket            | PTFE                                                         |                   |
| 12   | Handle            | Steel Q235 with plastic cover                                | Aluminium         |
| 13   | Handle nut        | Steel Q235 Dacromet coated                                   |                   |
| 14   | Pin               | Stainless steel                                              |                   |



## BRASS BALL VALVE WITH FIXED STEM EXTENSION ACS 4MS ( REF.609-618 )

### MATERIALS MALE – MALE TYPES :

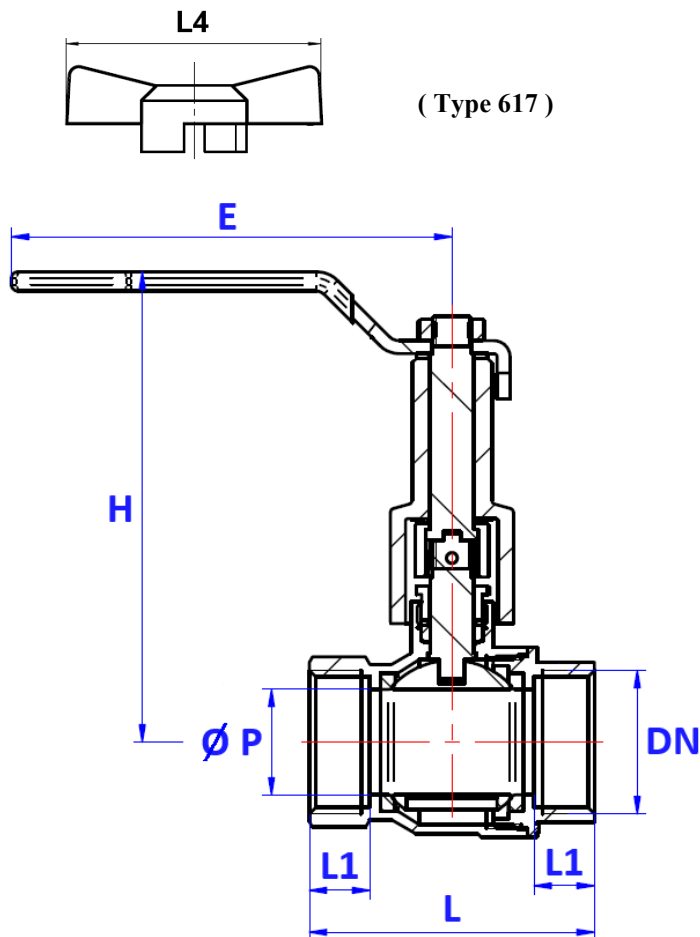


| Item | Designation       | Materials Ref.609                                            |
|------|-------------------|--------------------------------------------------------------|
| 1    | Bonnet            | Brass CW 617 N 4MS according to EN 12165 (nickeled external) |
| 2    | Seat              | PTFE                                                         |
| 3    | Ball              | Chromed brass                                                |
| 4    | Stem              | Brass CW 617 N 4MS according to EN 12165                     |
| 5    | Body              | Brass CW 617 N 4MS according to EN 12165 (nickeled external) |
| 6    | Packing           | PTFE                                                         |
| 7    | Packing nut       | Brass                                                        |
| 8    | Stem extension    |                                                              |
| 9    | Long pole set     |                                                              |
| 10   | Extension housing | AL-46100                                                     |
| 11   | Gasket            | PTFE                                                         |
| 12   | Handle            | Steel Q235 with plastic cover                                |
| 13   | Handle nut        | Steel Q235 Dacromet coated                                   |
| 14   | Pin               | Stainless steel                                              |

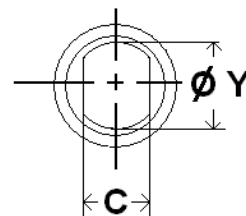


## BRASS BALL VALVE WITH FIXED STEM EXTENSION ACS 4MS ( REF.609-618 )

SIZE TYPES FEMALE / FEMALE ( in mm ) :



Stem size :

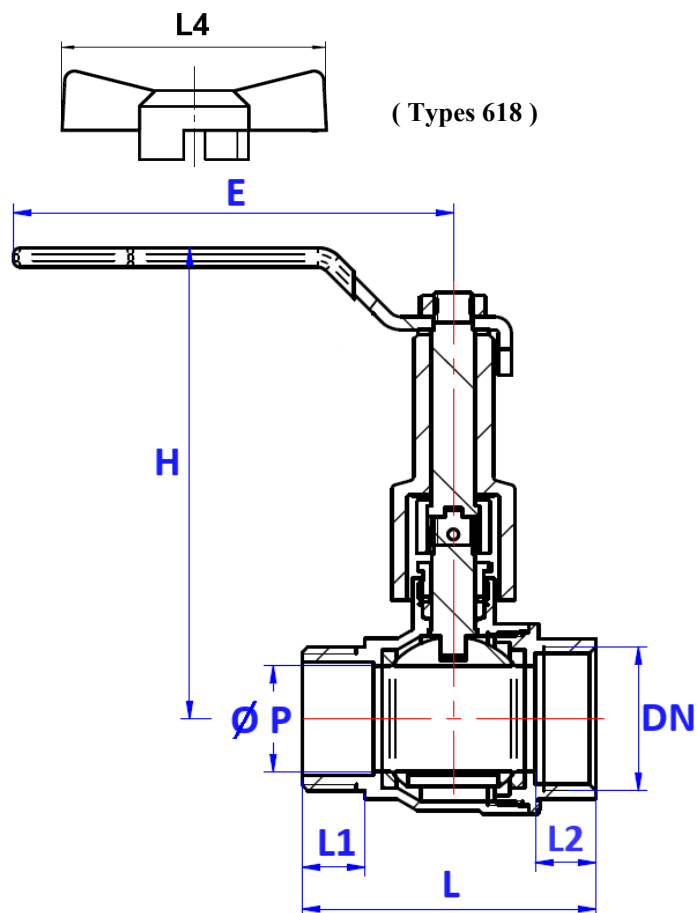


| Ref.                                          | DN         | 3/8"   | 1/2"   | 3/4"   | 1"     | 1"1/4  | 1"1/2  | 2"     |
|-----------------------------------------------|------------|--------|--------|--------|--------|--------|--------|--------|
| 615                                           | Ø P        | 10     | 14.5   | 19     | 24.5   | 31     | 39.5   | 49.5   |
|                                               | L          | 44     | 49     | 56     | 66     | 76     | 87     | 103    |
|                                               | L1         | 11.5   | 12     | 13     | 14     | 15     | 16     | 18     |
|                                               | L4         | -      | 54     |        | -      | -      | -      | -      |
| 617                                           | E          | 81.5   |        | 104    | 102    | 120    |        | 142    |
|                                               | H          | 83     | 87     | 90     | 109    | 121    | 128    | 143    |
|                                               | C          | 4.8    |        |        | 5.8    | 7.8    |        |        |
|                                               | Ø Y        | 6      | 8      |        | 9      | 11.5   | 11.8   | 13     |
| With handle :<br>Red Ref.615<br>Blue Ref.6151 | Weig. (Kg) | 0.18   | 0.23   | 0.31   | 0.48   | 0.72   | 0.97   | 1.56   |
|                                               | Ref.       | 615003 | 615004 | 615005 | 615006 | 615007 | 615008 | 615009 |
|                                               | Ref.       |        | 615104 | 615105 | 615106 | 615107 | 615108 | 615109 |
| 617 red butterfly<br>handle                   | Weig. (Kg) | -      | 0.22   | 0.28   | -      | -      | -      | -      |
|                                               | Ref.       |        | 617004 | 617005 |        |        |        |        |

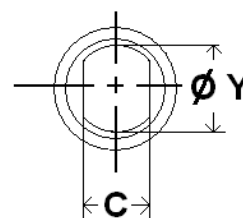


## BRASS BALL VALVE WITH FIXED STEM EXTENSION ACS 4MS ( REF.609-618 )

SIZE TYPES MALE / FEMALE ( in mm ) :



Stem size :

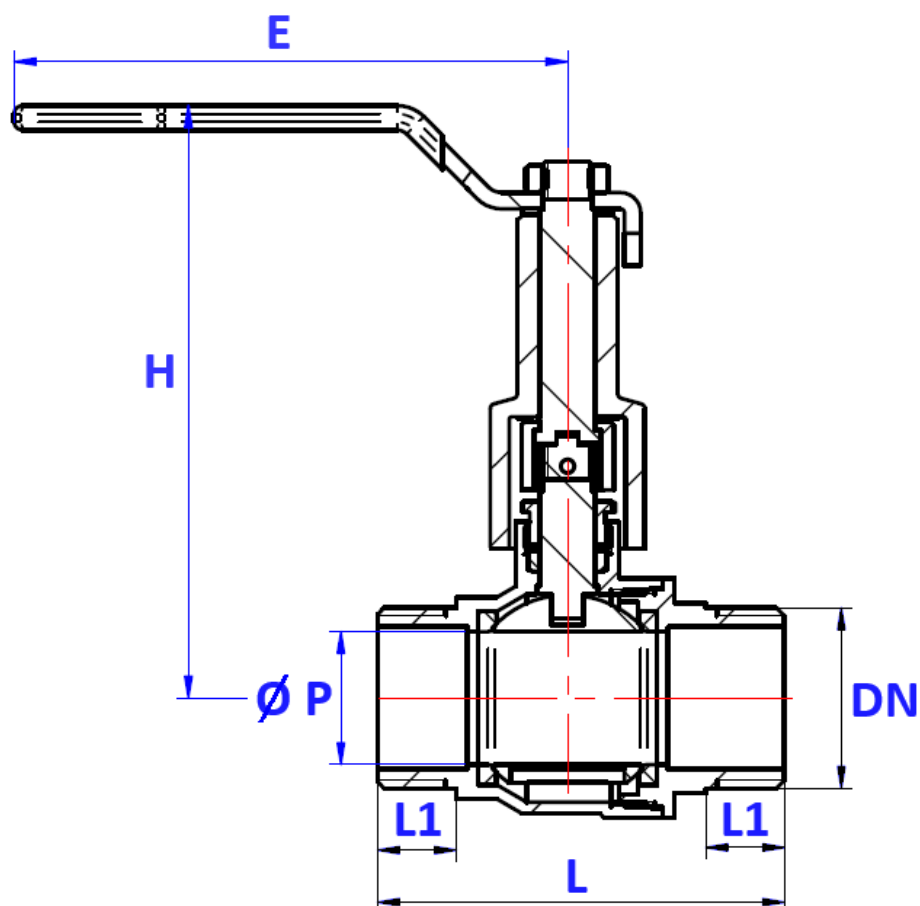


| Ref.                                          | DN            | 3/8"   | 1/2"   | 3/4"   | 1"     | 1"1/4  | 1"1/2  | 2"     |
|-----------------------------------------------|---------------|--------|--------|--------|--------|--------|--------|--------|
| 616                                           | Ø P           | 10     | 14.5   | 19     | 24.5   | 31     | 39.5   | 49.5   |
|                                               | L             | 45     | 52     | 60.5   | 68     | 81.5   | 95.5   | 112.5  |
|                                               | L1            | 10     | 10     | 12     | 14.5   | 15.5   | 16     | 18     |
|                                               | L2            | 11.5   | 12     | 13     | 14     | 15     | 16     | 18     |
| 618                                           | L4            | -      | 54     |        | -      | -      | -      | -      |
|                                               | E             | 81.5   | 81.5   | 104    | 102    | 120    | 120    | 142    |
|                                               | H             | 83     | 87     | 90     | 109    | 121    | 128    | 143    |
|                                               | C             | 4.8    | 4.8    | 4.8    | 5.8    | 7.8    | 7.8    | 7.8    |
|                                               | Ø Y           | 6      | 8      | 8      | 9      | 11.5   | 11.8   | 13     |
| With handle :<br>Red Ref.616<br>Blue Ref.6161 | Weig. (in Kg) | 0.18   | 0.24   | 0.32   | 0.48   | 0.75   | 1      | 1.61   |
|                                               | Ref.          | 616003 | 616004 | 616005 | 616006 | 616007 | 616008 | 616009 |
|                                               | Ref.          | -      | 616104 | 616105 | 616106 | 616107 | 616108 | 616109 |
| 618 red butterfly<br>handle                   | Weig. (in Kg) | -      | 0.22   | 0.29   | -      | -      | -      | -      |
|                                               | Ref.          |        | 618004 | 618005 |        |        |        |        |

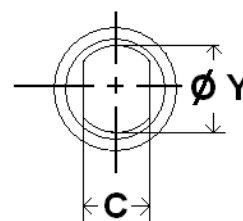


## BRASS BALL VALVE WITH FIXED STEM EXTENSION ACS 4MS ( REF.609-618 )

SIZE TYPES MALE / MALE ( in mm ) :



Stem size :



| DN             | 1/2"   | 3/4"   | 1"     |
|----------------|--------|--------|--------|
| Ø P            | 14.5   | 19     | 24.5   |
| L              | 57     | 66.5   | 75     |
| L1             | 10     | 12     | 14.5   |
| E              | 81.5   | 104    | 102    |
| H              | 87     | 90     | 109    |
| C              | 4.8    | 4.8    | 5.8    |
| Ø Y            | 8      | 8      | 9      |
| Weight (in Kg) | 0.25   | 0.33   | 0.5    |
| Ref.           | 609004 | 609005 | 609006 |

**BRASS BALL VALVE WITH FIXED STEM EXTENSION ACS 4MS ( REF.609-618 )****STANDARDS :**

- Manufacturer certified ISO 9001 : 2015 and ISO 14001 : 2015
- DIRECTIVE 2014/68/EU : Products excluded from directive ( Article 1, § 2b )
- French water agreement **A.C.S. N° 24 ACC LY 629**
- Threaded male and female BSP cylindrical ends according to ISO 228-1

**BRASS BALL VALVE WITH FIXED STEM EXTENSION ACS 4MS ( REF.609-618 )**

4MS brass ball valves with fixed stem extension with full bore for drinking water and water distribution.

PTFE packing and solid ball.

Fixed stem extension to protect the insulation.

Reversible steel handle with Dacromet coated nut.



**Size :** DN3/8" to DN2"

**Connection :** Male, Female BSP

**Min Temperature :** -10°C

**Max Temperature :** +120°C

**Max Pressure :** 30 Bars (up to DN1")

**Specifications :** Fixed stem extension

PTFE packing

Full bore

**Materials :** Brass EN 12165-CW617N-4MS



## BRASS BALL VALVE WITH FIXED STEM EXTENSION ACS 4MS ( REF.609-618 )

### SPECIFICATIONS :

- Full bore
- Large flat sealing face
- Fixed stem extension
- Solid ball
- PTFE packing
- Flat steel or butterfly handle
- Marking body " 80S " with ACS, fabrication date and logo
- ACS number on the handle
- Reversible handle
- Hole on the handle allowing the locking of the valve (thanks to a rilsan clamp)



### USE :

- Water distribution
- Min Temperature Ts : - 10°C
- Max Temperature Ts :+ 120°C
- Max Pressure Ps : 30 bars up to DN 1" , 20 bars for DN 1"1/4 and 1"1/2 , 16 bars for DN 2"

### RANGE :



- Female / Female with red flat steel handle **Ref. 615** from DN 3/8" to 2"



- Female / Female with blue flat steel handle **Ref. 6151** from DN 1/2" to 2"



- Female / Female with red butterfly handle **Ref. 617** from DN 1/2" to 3/4"



## BRASS BALL VALVE WITH FIXED STEM EXTENSION ACS 4MS ( REF.609-618 )

RANGE (SUITE) :

- Male / Female with red flat steel handle **Ref. 616** from DN 3/8" to 2"



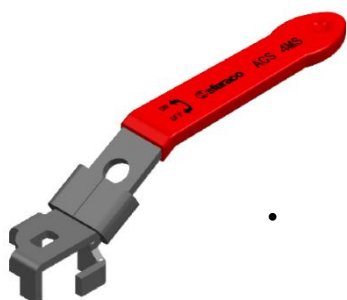
- Male / Female with blue flat steel handle **Ref. 6161** from DN 1/2" to 2"



- Male / Female with red butterfly handle **Ref. 618** from DN 1/2" to 3/4"



- Male / Male with red flat steel handle **Ref. 609** from DN 1/2" to 1"



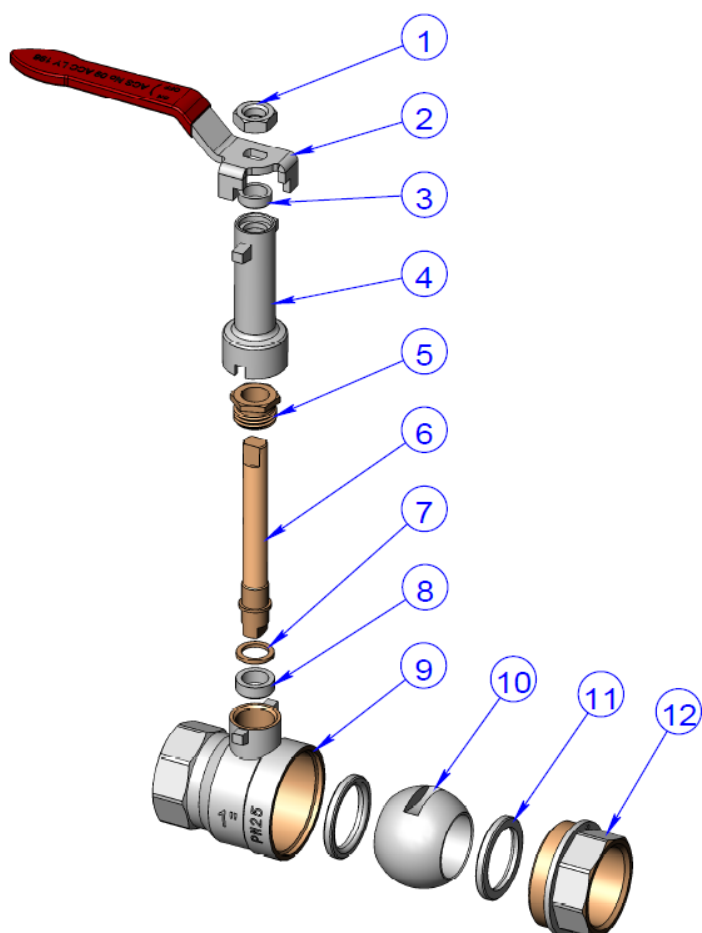
- Lockable handle **Ref.9812155-9812159** from DN1/2" to DN2"



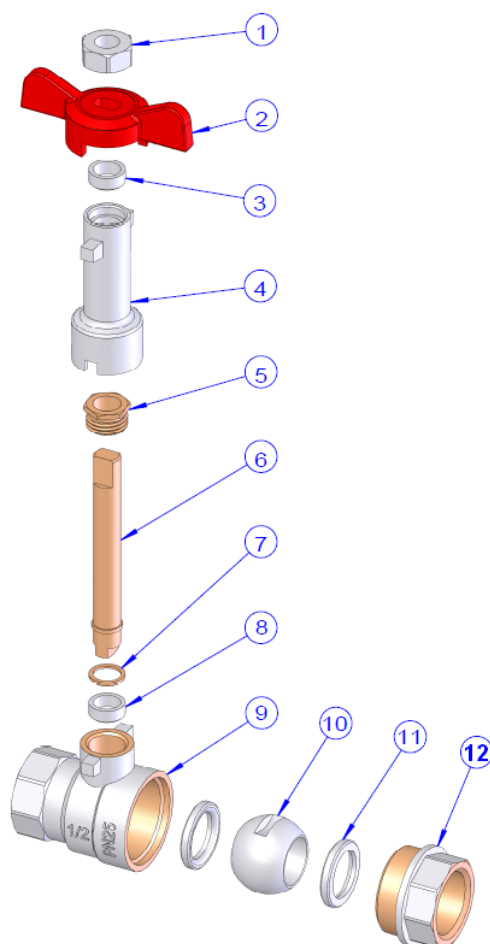
## BRASS BALL VALVE WITH FIXED STEM EXTENSION ACS 4MS ( REF.609-618 )

MATERIALS FEMALE – FEMALE TYPES :

REF. 615



REF.617



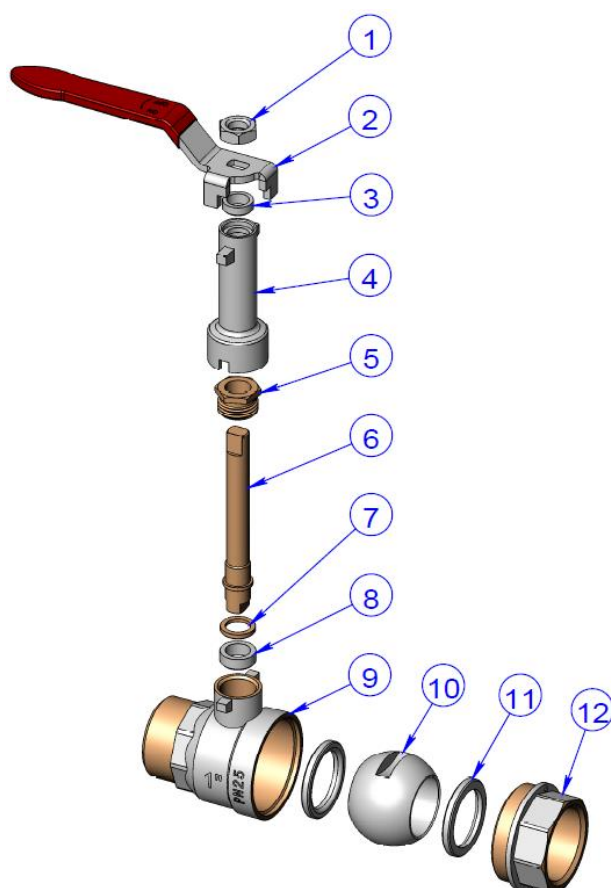
| Item | Designation         | Materials Ref.615                                   | Materials Ref.617 |
|------|---------------------|-----------------------------------------------------|-------------------|
| 1    | Handle nut          | Steel Q235 Dracomet coated                          |                   |
| 2    | Handle              | Steel Q235 with plastic cover                       | Aluminium         |
| 3    | Ring                | PTFE                                                |                   |
| 4    | Stem extension      | Nickelized brass                                    |                   |
| 5    | Packing nut         | Brass                                               |                   |
| 6    | Stem                |                                                     |                   |
| 7    | Ring                |                                                     |                   |
| 8    | Packing             | PTFE                                                |                   |
| 9    | Body ( external )   | Nickelized brass CW 617 N 4MS according to EN 12165 |                   |
| 9    | Body ( internal )   | Brass CW 617 N 4MS according to EN 12165            |                   |
| 10   | Ball                | Chromed brass                                       |                   |
| 11   | Seat                | PTFE                                                |                   |
| 12   | Bonnet ( external ) | Nickelized brass CW 617 N 4MS according to EN 12165 |                   |
| 12   | Bonnet ( internal ) | Brass CW 617 N 4MS according to EN 12165            |                   |



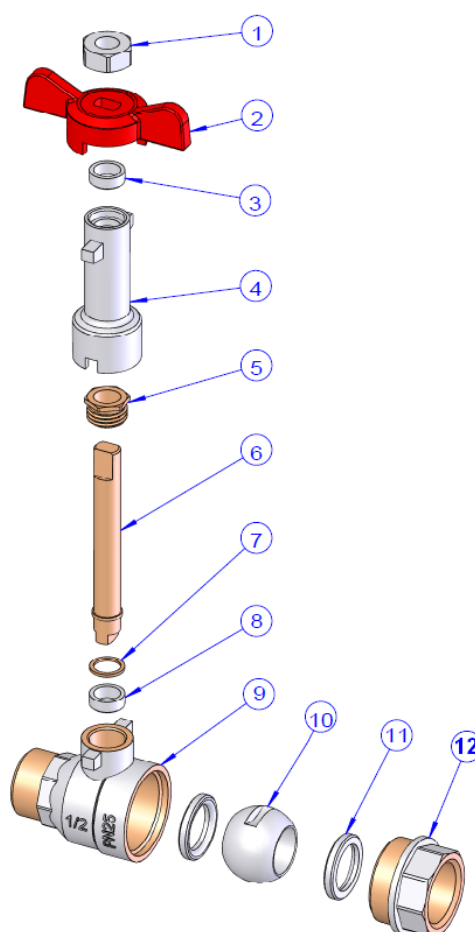
## BRASS BALL VALVE WITH FIXED STEM EXTENSION ACS 4MS ( REF.609-618 )

MATERIALS MALE – FEMALE TYPES :

REF. 616



REF.618

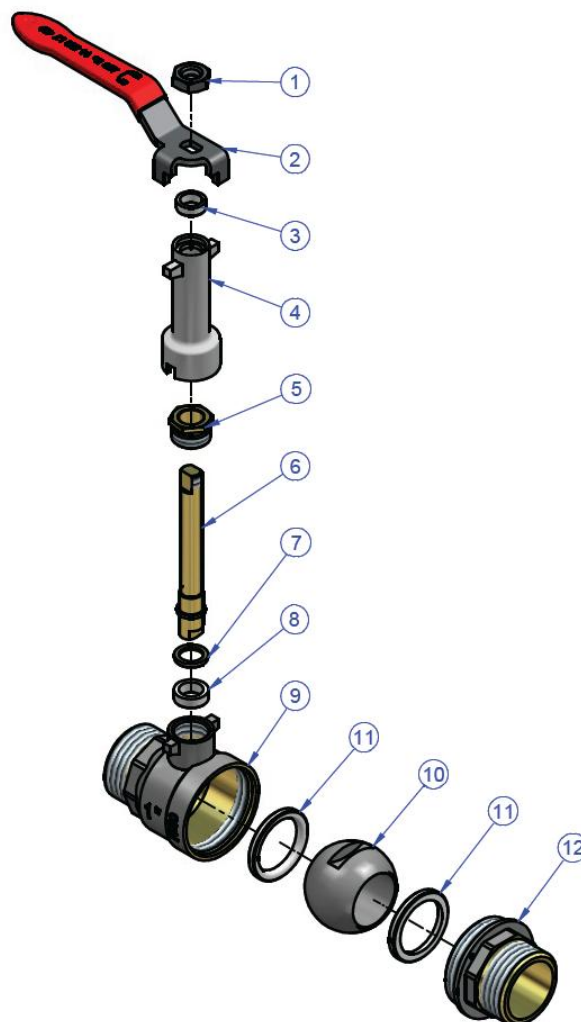


| Item | Designation         | Materials Ref.616                               | Materials Ref.618 |
|------|---------------------|-------------------------------------------------|-------------------|
| 1    | Handle nut          | Steel Q235 Dacromet coated                      |                   |
| 2    | Handle              | Steel Q235 with plastic cover                   | Aluminium         |
| 3    | Ring                | PTFE                                            |                   |
| 4    | Stem extension      | Nickel brass                                    |                   |
| 5    | Packing nut         | Brass                                           |                   |
| 6    | Stem                |                                                 |                   |
| 7    | Ring                |                                                 |                   |
| 8    | Packing             | PTFE                                            |                   |
| 9    | Body ( external )   | Nickel brass CW 617 N 4MS according to EN 12165 |                   |
| 9    | Body ( internal )   | Brass CW 617 N 4MS according to EN 12165        |                   |
| 10   | Ball                | Chromed brass                                   |                   |
| 11   | Seat                | PTFE                                            |                   |
| 12   | Bonnet ( external ) | Nickel brass CW 617 N 4MS according to EN 12165 |                   |
| 12   | Bonnet ( internal ) | Brass CW 617 N 4MS according to EN 12165        |                   |



## BRASS BALL VALVE WITH FIXED STEM EXTENSION ACS 4MS ( REF.609-618 )

### MATERIALS MALE – MALE TYPES :

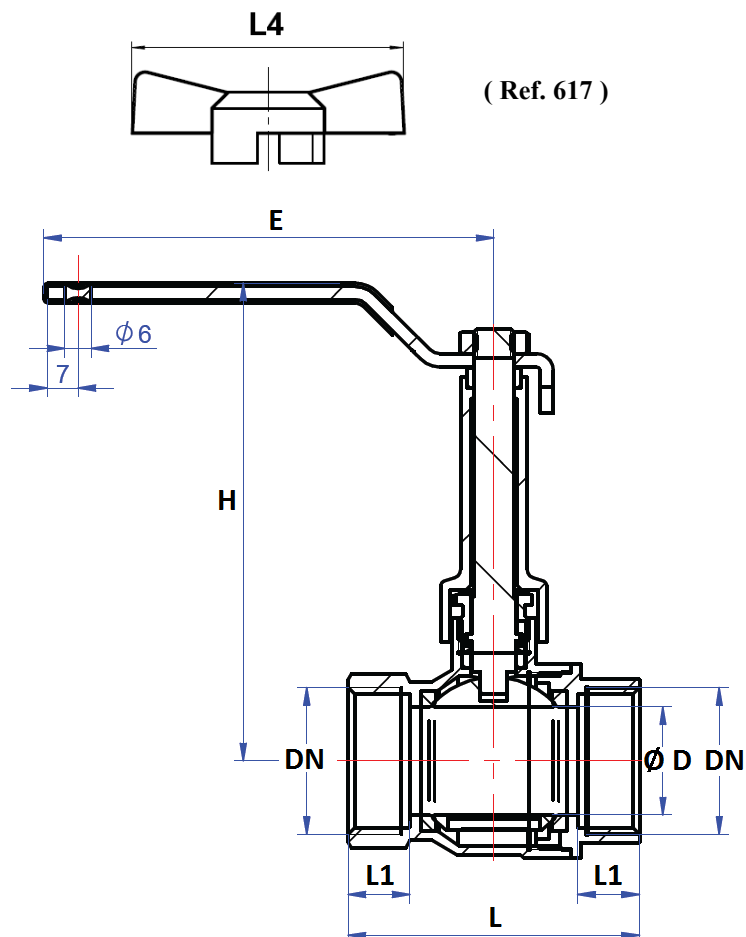


| Item | Designation         | Materials Ref.609                                 |
|------|---------------------|---------------------------------------------------|
| 1    | Handle nut          | Steel Q235 Dacromet coated                        |
| 2    | Handle              | Steel Q235 with plastic cover                     |
| 3    | Ring                | PTFE                                              |
| 4    | Stem extension      | Nickeled brass                                    |
| 5    | Packing nut         | Brass                                             |
| 6    | Stem                |                                                   |
| 7    | Ring                |                                                   |
| 8    | Packing             | PTFE                                              |
| 9    | Body ( external )   | Nickeled brass CW 617 N 4MS according to EN 12165 |
| 9    | Body ( internal )   | Brass CW 617 N 4MS according to EN 12165          |
| 10   | Ball                | Chromed brass                                     |
| 11   | Seat                | PTFE                                              |
| 12   | Bonnet ( external ) | Nickeled brass CW 617 N 4MS according to EN 12165 |
| 12   | Bonnet ( internal ) | Brass CW 617 N 4MS according to EN 12165          |

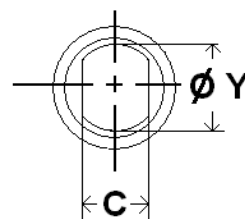


## BRASS BALL VALVE WITH FIXED STEM EXTENSION ACS 4MS ( REF.609-618 )

SIZE FEMALE / FEMALE TYPES ( in mm ) :



Stem size :

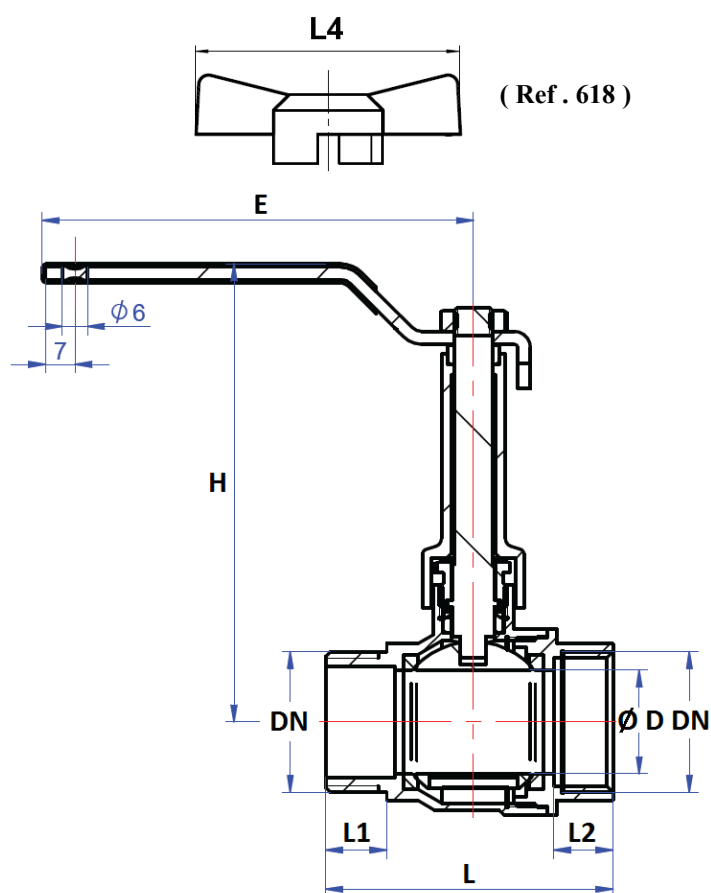


| Ref.                                         | DN         | 3/8"   | 1/2"   | 3/4"   | 1"     | 1"1/4  | 1"1/2  | 2"     |
|----------------------------------------------|------------|--------|--------|--------|--------|--------|--------|--------|
| 615                                          | Ø D        | 10     | 14.5   | 19     | 24.5   | 31     | 39.5   | 49.5   |
|                                              | L          | 44     | 49     | 56     | 66     | 76     | 87     | 103    |
|                                              | L1         | 11.5   | 12     | 13     | 14     | 15     | 16     | 18     |
|                                              | L4         | -      | 52     | 52     | -      | -      | -      | -      |
| 617                                          | E          | 81.5   | 81.5   | 104    | 102    | 120    | 120    | 142    |
|                                              | H          | 83.7   | 84.4   | 88.4   | 107.5  | 127.8  | 134    | 146    |
|                                              | C          | 4.8    | 4.8    | 4.8    | 5.8    | 7.8    | 7.8    | 7.8    |
|                                              | Ø Y        | 6      | 8      | 8      | 9      | 11.5   | 11.8   | 13     |
| With lever :<br>Red Ref.615<br>Blue Ref.6151 | Weig. (Kg) | 0.15   | 0.23   | 0.31   | 0.43   | 0.73   | 0.98   | 1.53   |
|                                              | Ref.       | 615003 | 615004 | 615005 | 615006 | 615007 | 615008 | 615009 |
|                                              | Ref.       |        | 615104 | 615105 | 615106 | 615107 | 615108 | 615109 |
| 617 red butterfly<br>handle                  | Weig. (Kg) | -      | 0.21   | 0.28   | -      | -      | -      | -      |
|                                              | Ref.       |        | 617004 | 617005 |        |        |        |        |

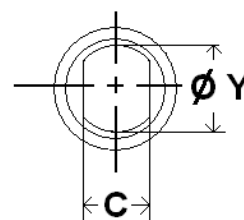


## BRASS BALL VALVE WITH FIXED STEM EXTENSION ACS 4MS ( REF.609-618 )

SIZE MALE / FEMALE TYPES ( in mm ) :



Stem size :

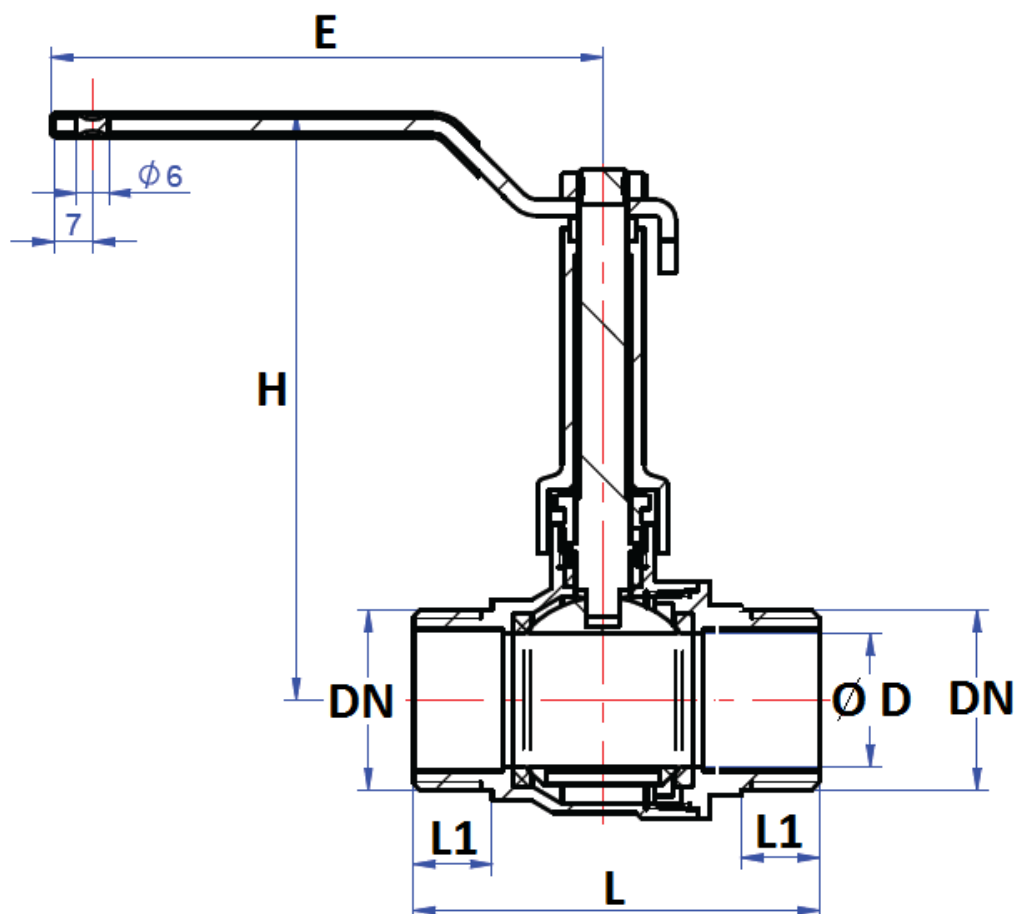


| Ref.                     | DN         | 3/8"   | 1/2"   | 3/4"   | 1"     | 1"1/4  | 1"1/2  | 2"     |
|--------------------------|------------|--------|--------|--------|--------|--------|--------|--------|
| 616                      | Ø D        | 10     | 14.5   | 19     | 24.5   | 31     | 39.5   | 49.5   |
|                          | L          | 45     | 52     | 60.5   | 68     | 81.5   | 95.5   | 112.5  |
|                          | L1         | 11.5   | 12     | 13     | 14     | 15     | 16     | 18     |
|                          | L2         | 10     | 10     | 12     | 14.5   | 15.5   | 16     | 18     |
|                          | L4         | -      | 52     | 52     | -      | -      | -      | -      |
| 618                      | E          | 81.5   | 81.5   | 104    | 102    | 120    | 120    | 142    |
|                          | H          | 83.7   | 84.4   | 88.4   | 107.5  | 127.8  | 134    | 146    |
|                          | C          | 4.8    | 4.8    | 4.8    | 5.8    | 7.8    | 7.8    | 7.8    |
|                          | Ø Y        | 6      | 8      | 8      | 9      | 11.5   | 11.8   | 13     |
|                          |            |        |        |        |        |        |        |        |
| With lever :             | Weig. (Kg) | 0.18   | 0.24   | 0.32   | 0.46   | 0.75   | 1      | 1.58   |
| Red Ref.616              | Ref.       | 616003 | 616004 | 616005 | 616006 | 616007 | 616008 | 616009 |
| Blue Ref.6161            | Ref.       | -      | 616104 | 616105 | 616106 | 616107 | 616108 | 616109 |
| 618 red butterfly handle | Weig. (Kg) | -      | 0.22   | 0.29   | -      | -      | -      | -      |
|                          | Ref.       |        | 618004 | 618005 |        |        |        |        |

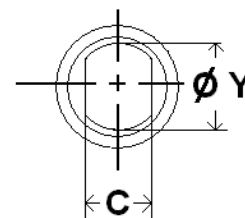


## BRASS BALL VALVE WITH FIXED STEM EXTENSION ACS 4MS ( REF.609-618 )

SIZE MALE / MALE TYPES ( in mm ) :



Stem size :



| DN             | 1/2"   | 3/4"   | 1"     |
|----------------|--------|--------|--------|
| Ø D            | 14.5   | 19     | 24.5   |
| L              | 57     | 66.5   | 75     |
| L1             | 10     | 12     | 14.5   |
| E              | 81.5   | 104    | 102    |
| H              | 84.4   | 88.4   | 107.5  |
| C              | 4.8    | 4.8    | 5.8    |
| Ø Y            | 8      | 8      | 9      |
| Weight (in Kg) | 0.25   | 0.33   | 0.48   |
| Ref.           | 609004 | 609005 | 609006 |

**BRASS BALL VALVE WITH FIXED STEM EXTENSION ACS 4MS ( REF.609-618 )****STANDARDS :**

- Manufacturer certified ISO 9001 : 2015 and ISO 14001 : 2015
- DIRECTIVE 2014/68/EU : Products excluded from directive ( Article 1, § 2b )
- French water agreement **A.C.S. N° 19 ACC LY 649**
- Threaded male and female BSP cylindrical ends according to ISO 228-1