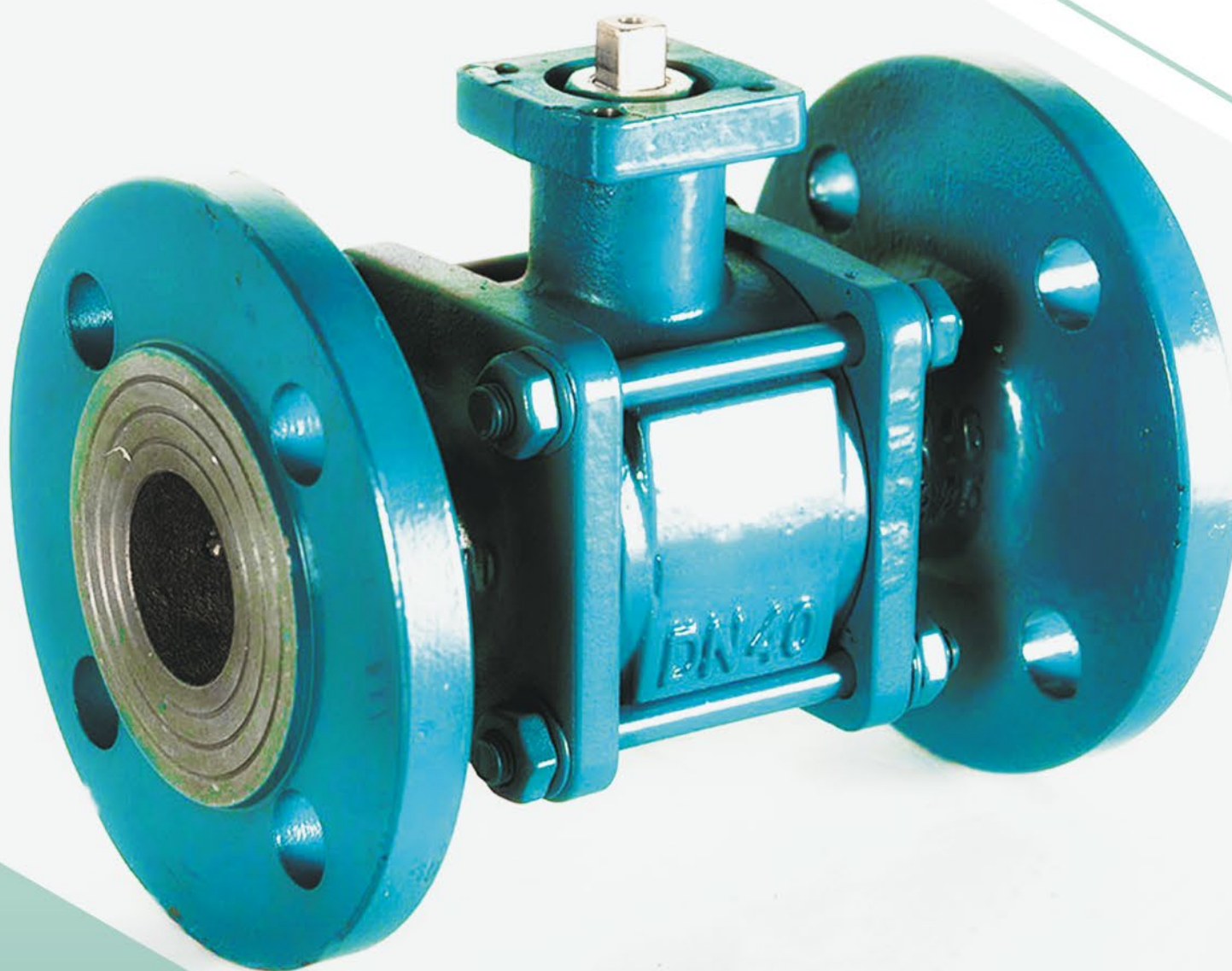




**CONVALVE**  
SPECIALIST IN VALVE AUTOMATION



**CAST IRON BALL VALVES**



ISO 9001  
Quality 

ISO 14001  
Environment 

OHSAS 18001  
Health & Safety 



## CAST IRON BALL VALVES

Scan me

### DESCRIPTION

- Full bore ball valves assure minimum loss of liquid pressure due to their structural style. When fully opened, pressure loss is equivalent to the liquid pressure loss of a pipe with the same dimensions.
- Our PN 16 ball valves are produced, using the GGG-40 ductile cast iron which has a flexible body option. This allows us to ensure the material's resistance against dilating fluid that gets stuck between the ball and body because of heat changes.
- The tightness of our ball valves prevents any leakage with Teflon rings positioned in four different positions.
- Our valves can continue performing up to 200 degrees Celcius heat.
- In Our ball valves, the upper flange is extended for the direct mounting of the actuator. Thus, the adapter is no longer needed. Only by removing the open-close handle and handle retaining pin, the actuator can be connected immediately rather than.
- Upper flange is designed according to ISO 5211 / DIN 3337 norms for the montage of the actuator.

### FEATURES

- Valve type: Full bore - 3 Pcs
- Pressure class: PN 16
- Dimensions: TS 3148 / TS EN 558-1
- Flange mounting sizes: TS ISO 7005-2 / DIN EN 1092-2
- Possibility to connect the actuator directly without any adapter.

### APPLICATION

Cold and hot water, steam lines, pressurized air, gases, etc.

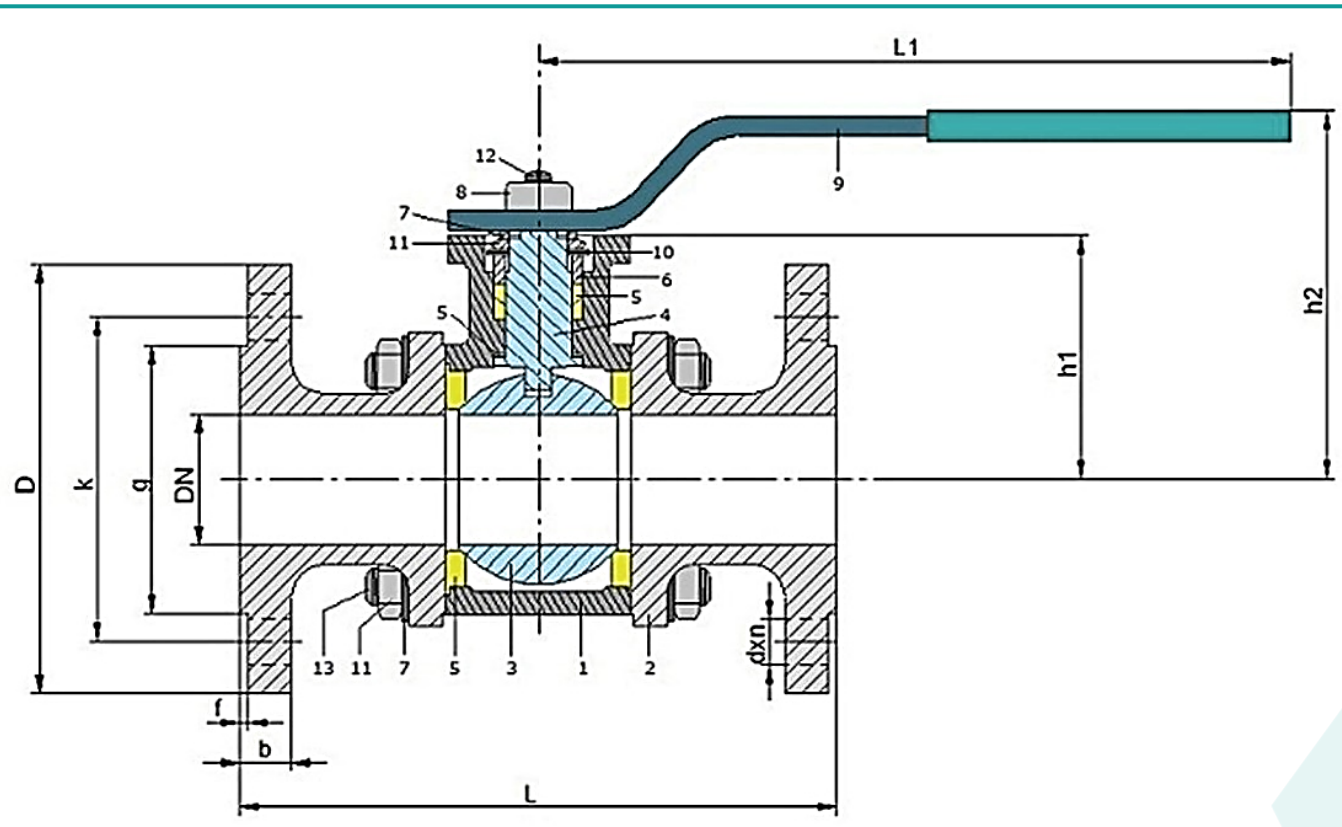
### OPTIONS

- Air Actuators
- Electric Actuators
- Gear Box

### CONSTRUCTION

|                                 |                 |
|---------------------------------|-----------------|
| <b>BODY</b>                     | GGG-40          |
| <b>FLANGE</b>                   | GG-25           |
| <b>BALL</b>                     | Stainless Steel |
| <b>STEM</b>                     | Stainless Steel |
| <b>SEALING RINGS</b>            | PTFE            |
| <b>COMPRESSION RING</b>         | St 37 - St 42   |
| <b>WASHER</b>                   | St 37 - St 42   |
| <b>LEVER COMPRESSION WASHER</b> | St 37 - St 42   |
| <b>LEVER</b>                    | St 37 - St 42   |
| <b>DISC SPRINGS</b>             | Ck60            |

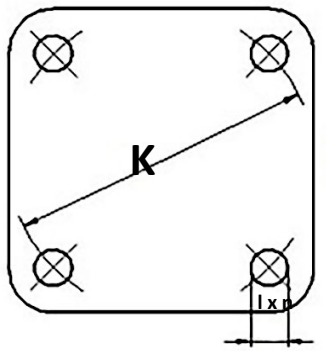
**DIMENSIONS MM**



| NO | VALVE PARTS              | METARIALS       |
|----|--------------------------|-----------------|
| 1  | BODY                     | GGG-40          |
| 2  | FLANGE                   | GG-25           |
| 3  | BALL                     | Stainless Steel |
| 4  | STEM                     | Stainless Steel |
| 5  | SEALING RINGS            | PTFE            |
| 6  | COMPRESSION RING         | St 37 - St 42   |
| 7  | WASHER                   |                 |
| 8  | LEVER COMPRESSION WASHER |                 |
| 9  | LEVER                    |                 |
| 10 | DISC SPRINGS             | Ck60            |
| 11 | NULTS                    | 5               |
| 12 | BOLT                     | 6,8             |
| 13 | STUD                     | 5,6             |

| SIZE (DN) | DIMENSIONS |     |     |     |     |     |     |    |   |    |   | WEIGHT (Kg) |
|-----------|------------|-----|-----|-----|-----|-----|-----|----|---|----|---|-------------|
|           | L          | L1  | h1  | h2  | D   | k   | 9   | b  | f | d  | n |             |
| 32        | 180        | 195 | 77  | 120 | 140 | 100 | 76  | 18 | 3 | 19 | 4 | 6,750       |
| 40        | 200        | 195 | 83  | 125 | 150 | 110 | 84  | 18 | 3 | 19 | 4 | 8,300       |
| 50        | 230        | 290 | 94  | 140 | 165 | 125 | 99  | 20 | 3 | 19 | 4 | 13.500      |
| 65        | 290        | 290 | 105 | 155 | 185 | 145 | 118 | 20 | 3 | 19 | 4 | 20.200      |
| 80        | 310        | 390 | 120 | 190 | 200 | 160 | 132 | 22 | 3 | 19 | 8 | 29.000      |
| 100       | 350        | 390 | 134 | 205 | 220 | 180 | 156 | 24 | 3 | 19 | 8 | 40.250      |

**ISO 5221 / DIN 3337 ACTUATOR MOUNTING FLANGE DIMENSIONS**



| SIZE (DN) | K   | l    | n |
|-----------|-----|------|---|
| 32        | 50  | 6,5  | 4 |
| 40        | 50  | 6,5  | 4 |
| 50        | 70  | 8,5  | 4 |
| 65        | 70  | 8,5  | 4 |
| 80        | 102 | 10,5 | 4 |
| 100       | 102 | 10.5 | 4 |

**OPEN-CLOSE TORQUE OF VALVES**

| SIZE ( DN )   | 32 | 40 | 50 | 65 | 80 | 100 |
|---------------|----|----|----|----|----|-----|
| TORQUE ( NM ) | 15 | 20 | 25 | 50 | 80 | 125 |