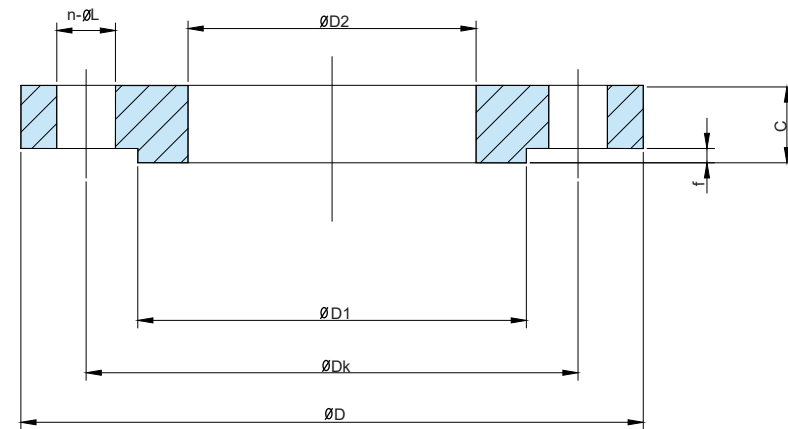




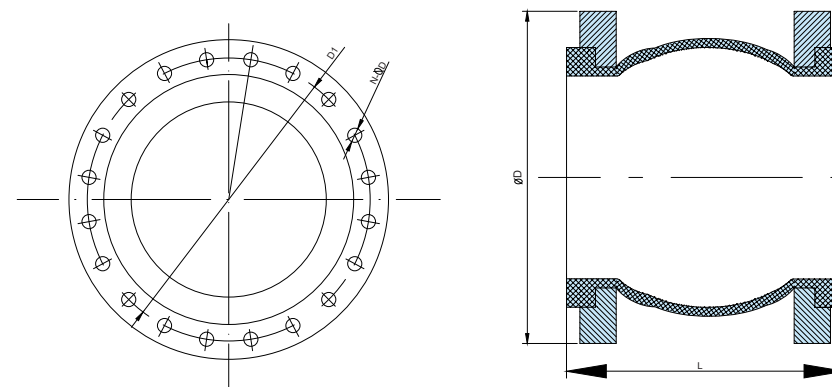
Flange (Flat Welding)



- Nominal Pressure: PN1.0MPa , PN1.6MPa
- Standard: GB/T9119-2000

| DIM    | D2   | Dk   | n-ΦL   | D1   | f | C  | D    |
|--------|------|------|--------|------|---|----|------|
| SIZE   |      |      |        |      |   |    |      |
| DN50   | 59   | 125  | 4-Φ18  | 100  | 3 | 18 | 165  |
| DN65   | 75   | 145  | 4-Φ18  | 120  | 3 | 20 | 185  |
| DN80   | 91   | 160  | 8-Φ18  | 135  | 3 | 20 | 200  |
| DN100  | 110  | 180  | 8-Φ18  | 155  | 3 | 22 | 220  |
| DN125  | 135  | 210  | 8-Φ18  | 185  | 3 | 24 | 250  |
| DN150  | 161  | 240  | 8-Φ18  | 210  | 3 | 24 | 285  |
| DN200  | 222  | 295  | 8-Φ18  | 265  | 3 | 24 | 340  |
| DN250  | 276  | 350  | 12-Φ23 | 320  | 3 | 26 | 395  |
| DN300  | 328  | 400  | 12-Φ23 | 368  | 4 | 28 | 445  |
| DN350  | 380  | 460  | 16-Φ23 | 428  | 4 | 28 | 505  |
| DN400  | 430  | 515  | 16-Φ26 | 482  | 4 | 30 | 565  |
| DN450  | 484  | 565  | 20-Φ26 | 532  | 4 | 30 | 615  |
| DN500  | 534  | 620  | 20-Φ26 | 585  | 4 | 32 | 670  |
| DN600  | 634  | 725  | 20-Φ30 | 685  | 5 | 36 | 780  |
| DN700  | 723  | 840  | 24-Φ30 | 800  | 5 | 40 | 895  |
| DN800  | 823  | 950  | 24-Φ33 | 905  | 5 | 44 | 1015 |
| DN900  | 923  | 1050 | 28-Φ33 | 1005 | 5 | 46 | 1115 |
| DN1000 | 1023 | 1160 | 28-Φ36 | 1110 | 5 | 50 | 1230 |

Single Sphere Connector With Flange



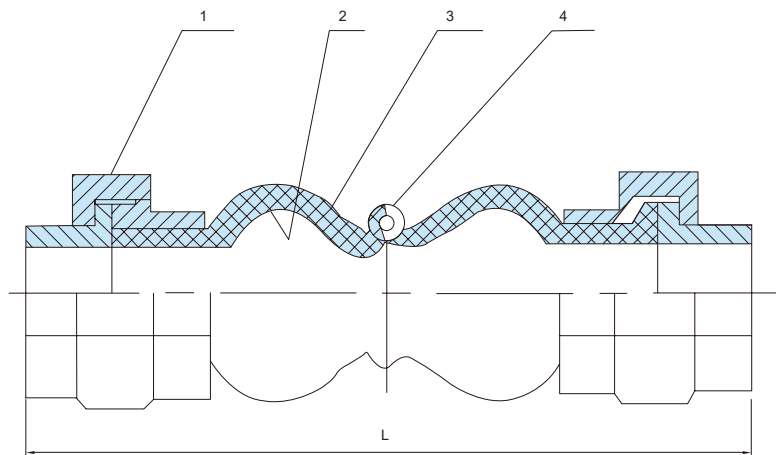
| SIZE  |     | L   | DIN PN10 |     |       |
|-------|-----|-----|----------|-----|-------|
| IN    | DN  |     | D        | D1  | n-Ød  |
| 1 1/4 | 32  | 95  | 140      | 100 | 4-18  |
| 1 1/2 | 40  | 95  | 150      | 110 | 4-18  |
| 2     | 50  | 105 | 165      | 125 | 4-18  |
| 2 1/2 | 65  | 115 | 185      | 145 | 4-18  |
| 3     | 80  | 135 | 200      | 160 | 4-18  |
| 4     | 100 | 150 | 220      | 180 | 8-18  |
| 5     | 125 | 165 | 250      | 210 | 8-18  |
| 6     | 150 | 180 | 285      | 240 | 8-23  |
| 8     | 200 | 210 | 340      | 295 | 8-23  |
| 10    | 250 | 230 | 395      | 350 | 12-23 |
| 12    | 300 | 245 | 445      | 400 | 12-23 |
| 14    | 350 | 255 | 505      | 460 | 16-23 |
| 16    | 400 | 255 | 565      | 515 | 16-27 |
| 18    | 450 | 255 | 615      | 565 | 20-27 |
| 20    | 500 | 255 | 670      | 620 | 20-27 |
| 24    | 600 | 260 | 780      | 725 | 20-30 |

| SIZE  |     | L   | DIN PN16 |     |       |
|-------|-----|-----|----------|-----|-------|
| IN    | DN  |     | D        | D1  | n-Ød  |
| 1 1/4 | 32  | 95  | 140      | 100 | 4-18  |
| 1 1/2 | 40  | 95  | 150      | 110 | 4-18  |
| 2     | 50  | 105 | 165      | 125 | 4-18  |
| 2 1/2 | 65  | 115 | 185      | 145 | 4-18  |
| 3     | 80  | 135 | 200      | 160 | 8-18  |
| 4     | 100 | 150 | 220      | 180 | 8-18  |
| 5     | 125 | 165 | 250      | 210 | 8-18  |
| 6     | 150 | 180 | 285      | 240 | 8-23  |
| 8     | 200 | 210 | 340      | 295 | 12-23 |
| 10    | 250 | 230 | 405      | 355 | 12-27 |
| 12    | 300 | 245 | 460      | 410 | 12-27 |
| 14    | 350 | 255 | 520      | 470 | 16-27 |
| 16    | 400 | 255 | 580      | 525 | 16-30 |
| 18    | 450 | 255 | 640      | 585 | 20-30 |
| 20    | 500 | 255 | 715      | 650 | 20-33 |
| 24    | 600 | 260 | 840      | 770 | 20-36 |

|                        |                                                |
|------------------------|------------------------------------------------|
| Working Pressure(Mpa)  | 1.6                                            |
| Bursting Pressure(Mpa) | 3                                              |
| Angle of Deflection    | 15°                                            |
| Vacuity Kpa(mmHg)      | 86.7(650)                                      |
| Applicable Temp        | -15~115°C                                      |
| Applicable Media       | Air, Compressed, Water, Weak Acid, Alkali, etc |



Twin Sphere Connector With Thread



|                        |                                                |
|------------------------|------------------------------------------------|
| Working Pressure(Mpa)  | 1.6                                            |
| Bursting Pressure(Mpa) | 3                                              |
| Angle of Deflection    | 15°                                            |
| Vacuity Kpa(mmHg)      | 86.7(650)                                      |
| Applicable Temp        | -15~115°C                                      |
| Applicable Media       | Air, Compressed, Water, Weak Acid, Alkali, etc |

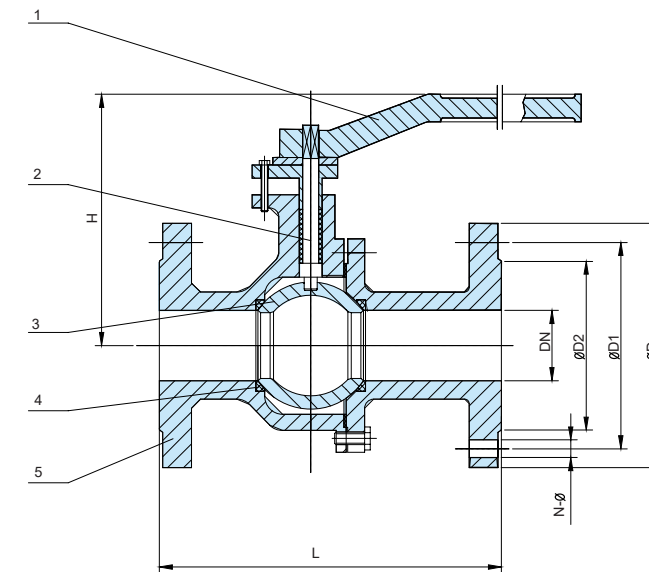
STANDARD MATERIALS OF MAIN PARTS

| ITEM | PART NAME        | MATERIAL          |
|------|------------------|-------------------|
| 1    | Joint            | Cast Iron         |
| 2    | liner            | NBR EPDM          |
| 3    | Frame            | Nylon Cord Fabric |
| 4    | Pressurized Ring | Steel Wire        |

DIMENSIONS

| SIZE  |    | L   | Axial displacement |             | Lateral displacement |
|-------|----|-----|--------------------|-------------|----------------------|
| IN    | DN |     | stretch            | compression |                      |
| 1/2   | 15 | 180 | 5~6                | 22          | 22                   |
| 3/4   | 20 | 180 | 5~6                | 22          | 22                   |
| 1     | 25 | 180 | 5~6                | 22          | 22                   |
| 1 1/4 | 32 | 200 | 5~6                | 22          | 22                   |
| 1 1/2 | 40 | 210 | 5~6                | 22          | 22                   |
| 2     | 50 | 220 | 5~6                | 22          | 22                   |
| 2 1/2 | 65 | 245 | 5~6                | 22          | 22                   |

Ball Valve



STANDRD MATERIALS OF MAIN PARTS

| NO. | PART NAME | MATERIAL                                 |
|-----|-----------|------------------------------------------|
| 1   | Handle    | Cast Iron, Ductile Iron                  |
| 2   | Stem      | Carbon Steel, Stainless Steel            |
| 3   | Ball      | Cast Iron, Ductile Iron, Stainless Steel |
| 4   | Seal Ring | PTFE                                     |
| 5   | Body      | Cast Iron, Ductile Iron                  |

DIMENSIONS Ball Valve

| DN  | D   | L   | H   | D2  | D1  | N-Ø  |
|-----|-----|-----|-----|-----|-----|------|
| 20  | 105 | 150 | 98  | 55  | 75  | 4-14 |
| 25  | 115 | 160 | 103 | 65  | 85  | 4-14 |
| 32  | 135 | 165 | 103 | 78  | 100 | 4-18 |
| 40  | 145 | 180 | 123 | 85  | 110 | 4-18 |
| 50  | 160 | 203 | 130 | 100 | 125 | 4-18 |
| 65  | 180 | 222 | 145 | 120 | 145 | 4-18 |
| 80  | 195 | 241 | 178 | 135 | 160 | 8-18 |
| 100 | 215 | 305 | 189 | 155 | 180 | 8-18 |
| 125 | 245 | 356 | 226 | 185 | 210 | 8-18 |
| 150 | 280 | 394 | 237 | 210 | 240 | 8-23 |
| 200 | 335 | 457 | 370 | 265 | 295 | 8-23 |

DIMENSION TABLE

| DN  | 1/2   | 3/4  | 1   | 1 1/4 | 1 1/2 | 2     | 2 1/2            | 3       | 4                |
|-----|-------|------|-----|-------|-------|-------|------------------|---------|------------------|
| L   | 80    | 80   | 84  | 93    | 106   | 108   | 112              | 127     | 140              |
| B   | 65    | 75   | 85  | 100   | 110   | 125   | 145              | 160     | 180(190)         |
| H   | 70    | 75.5 | 80  | 93    | 96    | 105.5 | 129              | 129     | 151              |
| D   | 160   | 160  | 175 | 175   | 185   | 185   | 185              | 185     | 229              |
| n-Ø | 4-Φ14 |      |     | 4-Φ18 |       |       | (4-Φ18)<br>8-Φ18 | (8-Φ18) | (8-Φ18)<br>8-Φ22 |

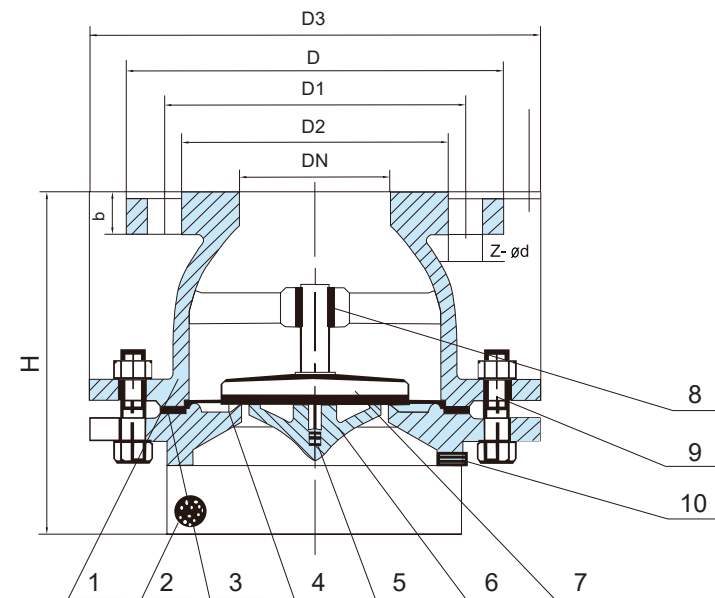


- 1. two-piece construction, load-bearing blowout prevention stem, full-bore design, reduced resistance of fluid.
- 2. The surface and internal of valve body are with epoxy resin coating layer.
- 3. Stainless steel stem ensure its operation will not be affected by side thrust caused by high-pressure fluid.
- 4. Stainless steel valve ball reduced parts galling and prolonged service life.
- 5. PTFE valve seat, adjustable packing nut.
- 6. two-piece construction permits easy repairing; PTFE valve seat and PTFE packing rod, after removal of valve bonnet assemblies, can be repaired rapidly. Minor seat damage can be removed by lapping.





Foot Valve



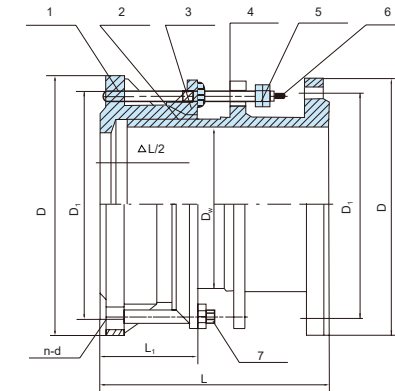
- Available Medium: Water
- Working Temperature: ≤150°C
- Flange Dimensions: DIN2532/2533

## DETAILS

| ITEM | PARTS NAME   | MATERIAL         |
|------|--------------|------------------|
| 1    | Body         | Cast Iron        |
| 2    | Screen       | Stainless Steel  |
| 3    | Gasket       | Graphite         |
| 4    | Flange Plate | Cast Iron        |
| 5    | Stud Bolt    | Carbon Steel     |
| 6    | Lock Block   | Cast Iron        |
| 7    | Disc         | Cast Iron+Rubber |
| 8    | Valve Guide  | Brass            |
| 9    | Bolt Nut     | Carbon           |
| 10   | Screw        | Carbon           |

| DN  | D   | D1  | D2  | D3  | b  | Z-φd  | f | H   | KG    |
|-----|-----|-----|-----|-----|----|-------|---|-----|-------|
| 40  | 150 | 110 | 88  | 170 | 18 | 4-18  | 3 | 137 |       |
| 50  | 165 | 125 | 102 | 180 | 20 | 4-18  | 3 | 157 | 9.6   |
| 65  | 185 | 145 | 122 | 200 | 20 | 4-18  | 3 | 172 | 11.9  |
| 80  | 200 | 160 | 138 | 240 | 22 | 8-18  | 3 | 186 | 15.6  |
| 100 | 220 | 180 | 158 | 270 | 22 | 8-18  | 3 | 245 | 21.6  |
| 125 | 250 | 210 | 188 | 310 | 24 | 8-18  | 3 | 263 | 28.5  |
| 150 | 285 | 240 | 212 | 360 | 24 | 8-23  | 3 | 343 | 42.8  |
| 200 | 340 | 295 | 268 | 440 | 26 | 12-23 | 3 | 421 | 65.3  |
| 250 | 405 | 355 | 320 | 520 | 28 | 12-27 | 3 | 469 | 83.3  |
| 300 | 460 | 410 | 378 | 590 | 28 | 12-27 | 4 | 609 | 129.2 |
| 350 | 520 | 470 | 438 | 620 | 30 | 16-27 | 4 | 785 | 148.2 |

Dismantling Joint



| No | Name               | Quantity | Material                    |
|----|--------------------|----------|-----------------------------|
| 1  | Body               | 1        | QT400-15,Q235A,ZG230-450,20 |
| 2  | Gasket             | 1        | NBR                         |
| 3  | Cover              | 1        | QT400-15,Q235A,ZG230-450,20 |
| 4  | Limited short pipe | 1        | Q234A,20,16Mn               |
| 5  | Nut                | 4n       | Q235A,20,1Cr18Ni9Ti         |
| 6  | Long Stud          | n        | Q235A,35,1Cr18Ni9Ti         |
| 7  | bolt               | n        | Q235A,35,1Cr18Ni9Ti         |

## THE SIZE MEETS STANDARD GB/T12456-2002

| Nominal diameter<br>DN | External diameter<br>of pipe DW | Length |    | Compensation ΔL | Flange connecting dimension |      |        |        |      |        |
|------------------------|---------------------------------|--------|----|-----------------|-----------------------------|------|--------|--------|------|--------|
|                        |                                 | L      | L1 |                 | 0.6Mpa                      |      |        | 1.0Mpa |      |        |
| 65                     | 76                              |        |    |                 | 160                         | 130  | 4-Φ14  | 185    | 145  | 4-Φ18  |
| 80                     | 89                              | 340    |    | 105             | 190                         | 150  | 4-Φ18  | 200    | 160  | 8-Φ18  |
| 100                    | 108                             |        |    |                 | 210                         | 170  |        | 220    | 180  |        |
| 125                    | 133                             |        |    |                 | 240                         | 200  | 8-Φ18  | 250    | 210  | 8-Φ18  |
| 150                    | 159                             |        |    |                 | 265                         | 225  | 8-Φ18  | 285    | 240  | 8-Φ22  |
| 200                    | 219                             | 340    |    | 105             | 3211                        | 280  |        | 340    | 295  |        |
| 250                    | 273                             |        |    |                 | 375                         | 335  | 12-Φ18 | 395    | 350  | 12-Φ22 |
| 300                    | 325                             |        |    |                 | 440                         | 395  |        | 445    | 400  |        |
| 350                    | 377                             |        |    |                 | 490                         | 445  | 12-Φ22 | 505    | 460  | 16-Φ22 |
| 400                    | 426                             |        |    |                 | 540                         | 495  | 16-Φ22 | 565    | 515  | 16-Φ26 |
| 450                    | 480                             | 350    |    | 130             | 595                         | 550  |        | 615    | 565  |        |
| 500                    | 530                             |        |    |                 | 645                         | 600  | 20-Φ22 | 670    | 620  | 20-Φ26 |
| 600                    | 630                             |        |    |                 | 755                         | 705  | 20-Φ26 | 780    | 725  | 20-Φ30 |
| 700                    | 720                             |        |    |                 | 860                         | 810  | 24-Φ26 | 895    | 840  | 24-Φ30 |
| 800                    | 820                             |        |    |                 | 95                          | 920  |        | 1015   | 950  | 24-Φ33 |
| 900                    | 920                             |        |    |                 | 1075                        | 1020 | 24-Φ30 | 1115   | 1050 | 28-Φ33 |
| 1000                   | 1020                            |        |    |                 | 1175                        | 1120 | 28-Φ30 | 1230   | 1160 | 28-Φ36 |
| 1200                   | 1220                            |        |    |                 | 1405                        | 1340 | 32-Φ33 | 1455   | 1380 | 32-Φ40 |
| 1400                   | 1420                            |        |    |                 | 1630                        | 1500 |        | 1675   | 1590 | 36-Φ42 |
| 1500                   | 1520                            | 590    |    | 220             | 1730                        | 1660 | 36-Φ36 |        |      |        |
| 1600                   | 1620                            |        |    |                 | 1830                        | S    | 40-Φ36 | 1915   | 1820 | 40-Φ48 |
| 1810                   | 1820                            |        |    |                 | 2045                        | 1970 | 44-Φ40 | 2115   | 2020 | 44-Φ48 |
| 2000                   | 2020                            |        |    |                 | 2265                        | 2180 | 48-Φ42 | 2325   | 2230 | 48-Φ48 |
| 2200                   | 2220                            |        |    |                 | 2475                        | 2390 | 52-Φ42 | 2550   | 2440 | 52-Φ56 |
| 2400                   | 2420                            |        |    |                 | 2685                        | 2600 | 56-Φ42 | 2760   | 2650 | 60-Φ56 |
| 2600                   | 2620                            |        |    |                 | 2905                        | 2810 | 60-Φ48 | 2960   | 3070 | 64-Φ56 |
| 2800                   | 2820                            |        |    |                 | 3115                        | 3020 | 64-Φ48 | 3180   | 3290 | 68-Φ60 |
| 3000                   | 3020                            |        |    |                 | 3315                        | 3220 | 68-Φ48 | 3405   |      |        |
| 3200                   | 3220                            | 600    |    | 240             | 3525                        | 3430 | 72-Φ48 |        |      |        |
| 3400                   | 3420                            |        |    |                 | 3735                        | 3640 | 76-Φ48 |        |      |        |
| 3600                   | 3620                            |        |    |                 | 3970                        | 3860 | 80-Φ56 |        |      |        |

GB/T12456-2002 Note: The size meets standard GB/T12456-2002



- Ductile Iron GGG50,GJS500-7,GGG40
- Size: DN50-DN2000
- Bolts and Nuts: Galvanized Steel / Zinc Plated Steel
- Pressure: PN10/16/25

