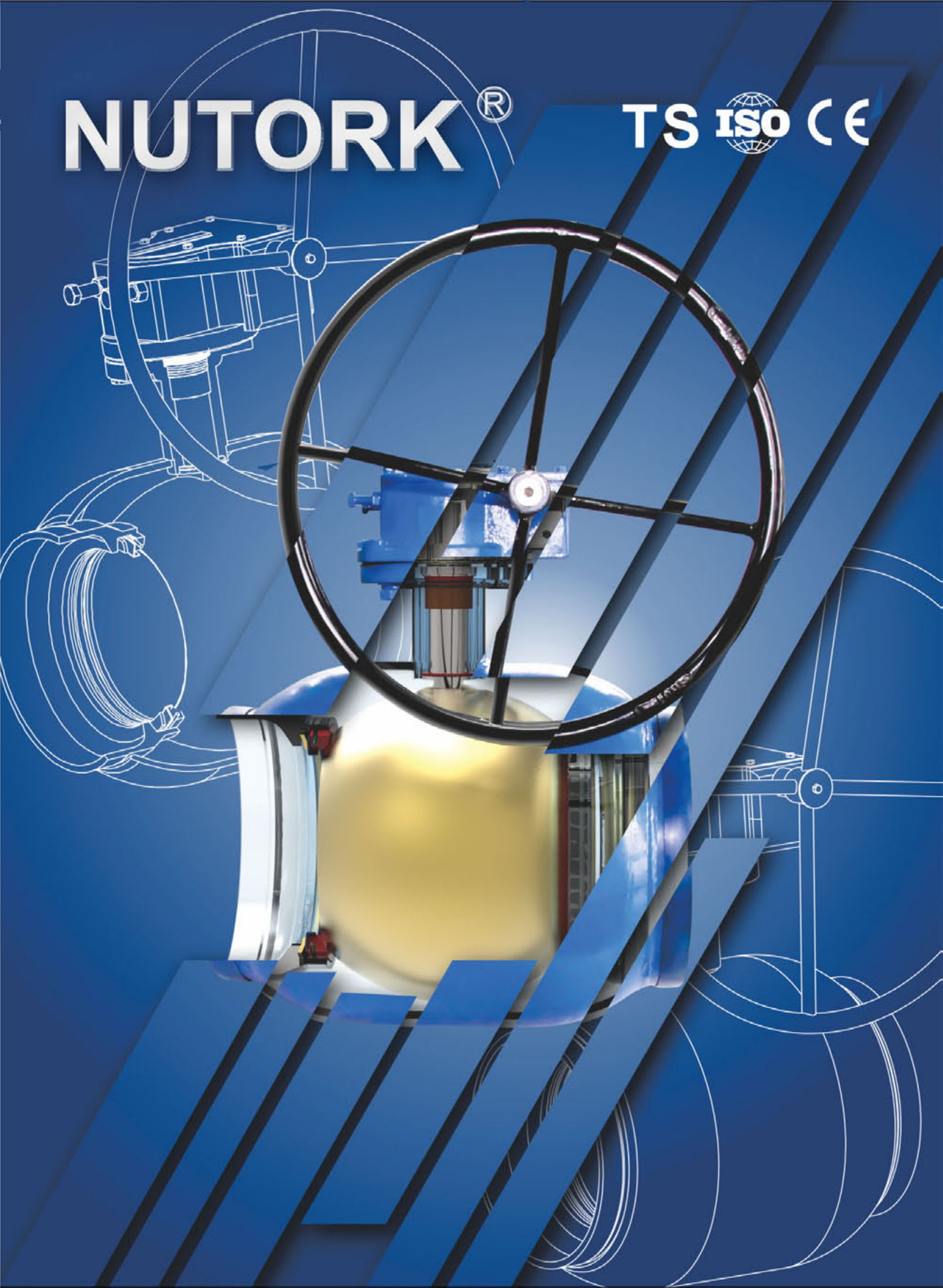


# NUTORK®

TS ISO CE



## Wheel Welded Ball Valve



### 特點

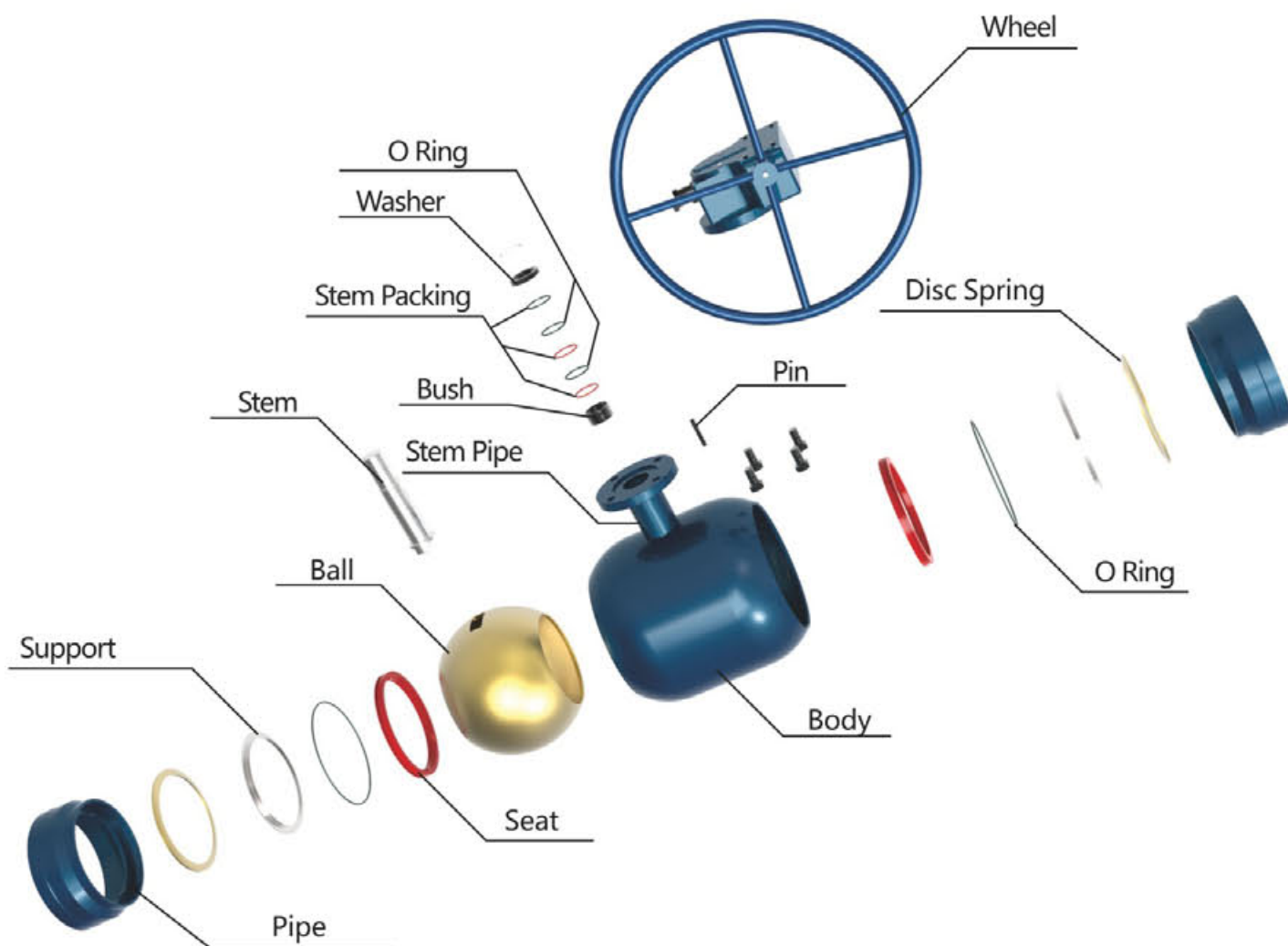
- ▶ 1.閥體是由鋼管焊接而成,幾乎無外漏
- ▶ 2.球墊可因工况調整
- ▶ 3.閥杆採用防爆設計
- ▶ 4.溫度範圍: -60-200°C
- ▶ 5.驅動方式: 手動或渦輪傳動

### FEATURES

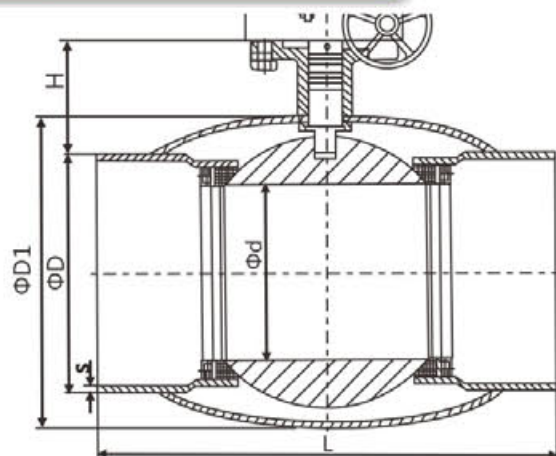
- ▶ 1.Welded Body Low Leakage
- ▶ 2.Seat adjustment by Envirment
- ▶ 3.Anti Proof Stem
- ▶ 4.Temperature Range: -60-200°C
- ▶ 5.Operation: Handle & Wheel or Actuator

## 大口徑全焊接球閥

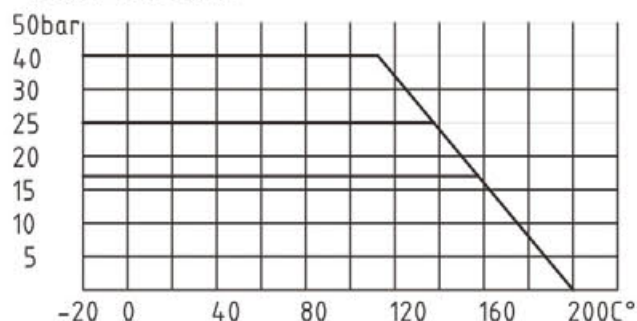
### EXPLOSION DRAWING 爆炸圖



## Wheel Welded Ball Valve



■ 壓力溫度變化表



■ MATERIAL LIST 材質表

| ITEM | 部件   | PART         | MATERIALS | ITEM | 部件    | PART           | MATERIALS |
|------|------|--------------|-----------|------|-------|----------------|-----------|
| 1    | 螺母   | Nut          | A193 B7   | 10   | 平健    | Pin            | ANSI 1045 |
| 2    | 螺栓   | Bolt         | A193 B7   | 11   | 填料    | Thrust Packing | PTFE      |
| 3    | 卡簧   | Circlip      | 65Mn      | 13   | 閥杆    | Stem           | 420       |
| 4    | 墊圈   | Stem Packing | RPTFE     | 14   | 蝶簧    | Spring         | 17-7PH    |
| 5    | O型圈  | O Ring       | VITON     | 15   | 閥座    | Seat           | PTFE+C    |
| 6    | 上壓蓋  | GLAND        | A105      | 16   | 閥座支撐圈 | Support Ring   | A105      |
| 7    | 軸承   | Stem Pipe    | A105      | 17   | 球     | Ball           | 304       |
| 8    | 排污塞  | Plug         | 420       | 18   | 閥體    | Body           | A105      |
| 9    | 無油軸承 | Bush         | 304+PTFE  | 19   | 支管    | Pipe           | A105      |

■ DIMENSION 尺寸表

| 口徑(Size) | 壓力(PN) | L    | H   | d    | D1    | D(GB) | D(DIN) | S  | 重量(kg) |
|----------|--------|------|-----|------|-------|-------|--------|----|--------|
| DN125    | 25     | 325  | 91  | 100  | 177.8 | 133   | 139.7  | 5  | 20.7   |
| DN150    | 25     | 350  | 112 | 125  | 219.1 | 159   | 168.3  | 6  | 32.5   |
| DN200    | 25     | 400  | 95  | 150  | 273   | 219   | 219.1  | 7  | 43.9   |
| DN250    | 25     | 530  | 126 | 200  | 355.6 | 273   | 273    | 8  | 91.8   |
| DN300    | 25     | 640  | 149 | 250  | 426   | 325   | 323.9  | 9  | 130.9  |
| DN350    | 25     | 686  | 167 | 290  | 508   | 377   | 355.6  | 10 | 230.2  |
| DN400    | 25     | 762  | 184 | 350  | 558.8 | 426   | 406.4  | 12 | 388.2  |
| DN500    | 25     | 991  | 221 | 400  | 680   | 529   | 508    | 18 | 706    |
| DN600    | 16     | 1065 | 252 | 500  | 830   | 630   | 609.6  | 20 | 1033   |
| DN700    | 16     | 1346 | 298 | 600  | 1000  | 720   | 711    | 22 | 1648   |
| DN800    | 16     | 1524 | 354 | 700  | 1150  | 820   | 813    | 24 | 2705   |
| DN900    | 16     | 1727 | 400 | 781  | 1252  | 920   | 914.4  | 26 | 4057   |
| DN1000   | 16     | 1900 | 452 | 874  | 1456  | 1020  | 1016.0 | 28 | 6085   |
| DN1100   | 16     | 2000 | 514 | 976  | 1664  | 1120  | 1117.6 | 30 | 9172   |
| DN1200   | 16     | 2100 | 568 | 1020 | 1764  | 1220  | 1219.2 | 32 | 12758  |

## Handle Welded Ball Valve



### 特點

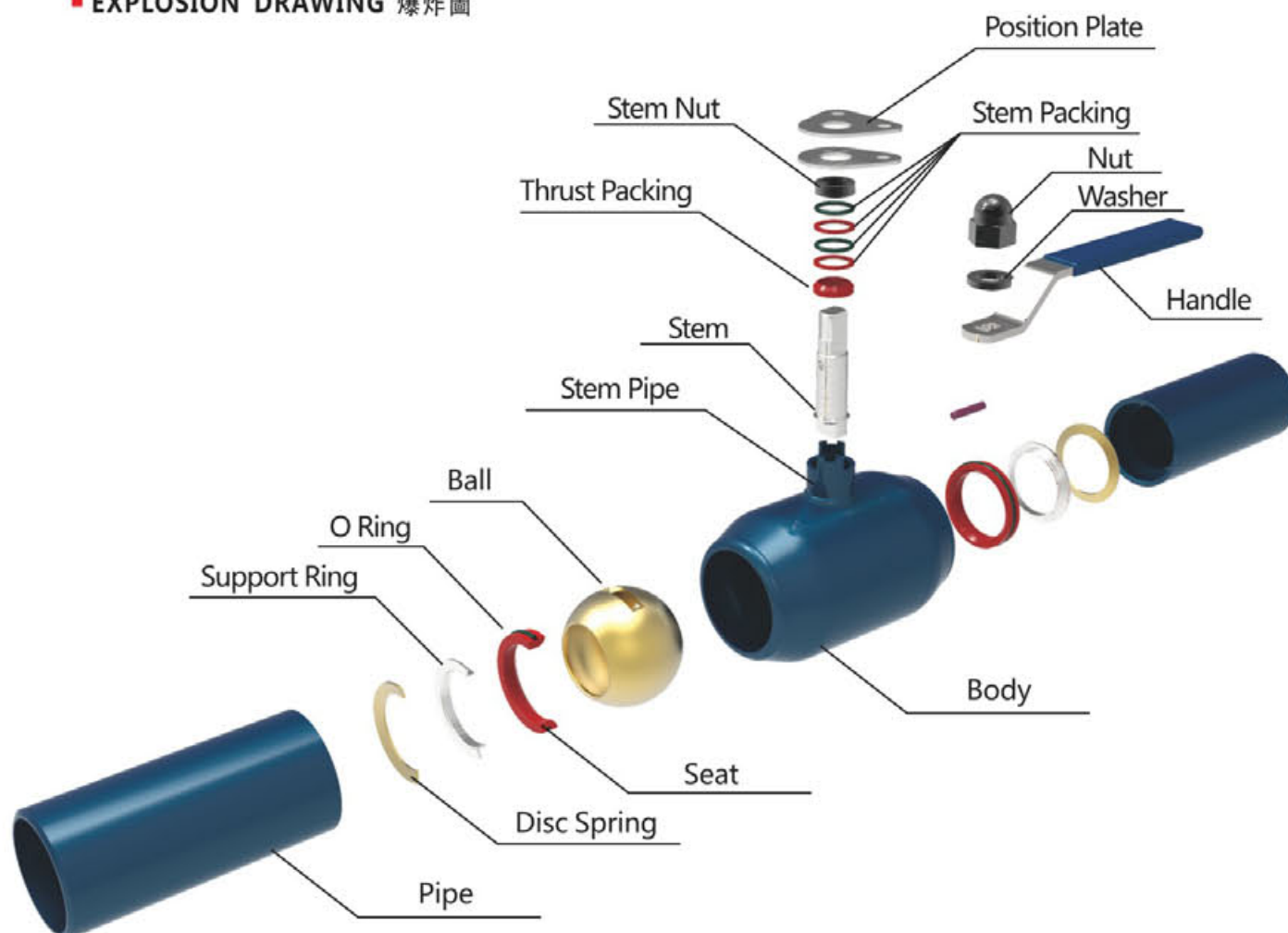
- ▶ 1. 閥體是由鋼管焊接而成, 幾乎無外漏
- ▶ 2. 球墊可因工況調整
- ▶ 3. 閥杆採用防爆設計
- ▶ 4. 溫度範圍:  $-60-200^{\circ}\text{C}$
- ▶ 5. 驅動方式: 手動 / 齒輪

### FEATURES

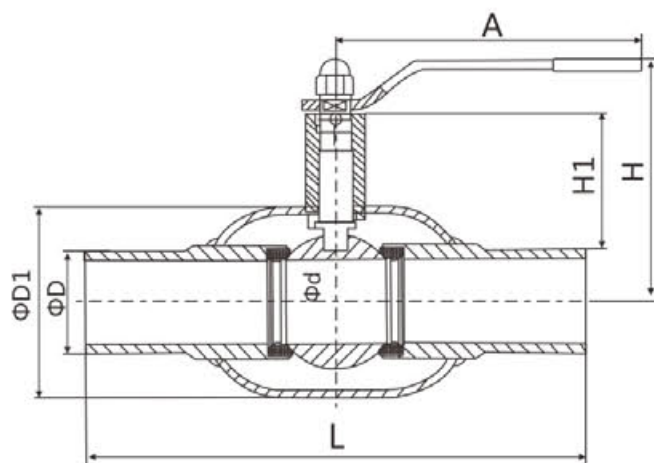
- ▶ 1. Welded Body Low Leakage
- ▶ 2. Seat adjustment by Envirment
- ▶ 3. Anti Proof Stem
- ▶ 4. Temperture Range:  $-60-200^{\circ}\text{C}$
- ▶ 5. Operation: Handle / Gear Box

## 全焊接球閥

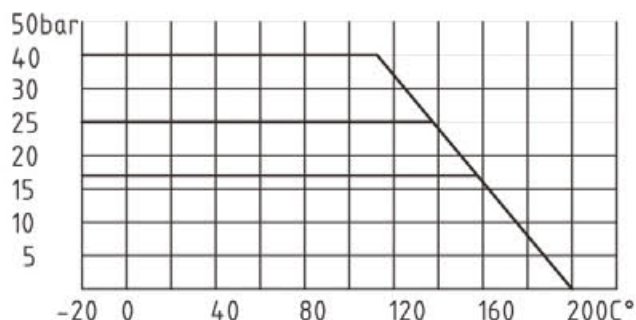
### EXPLOSION DRAWING 爆炸圖



## Handle Welded Ball Valve



■ 壓力溫度變化表



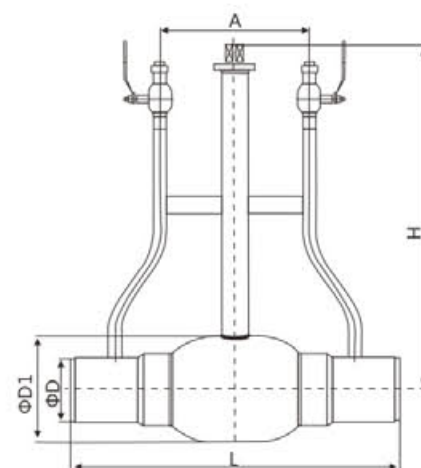
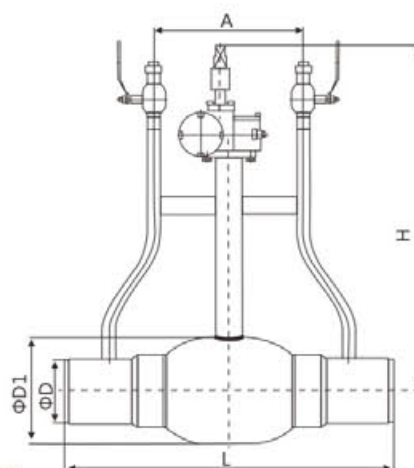
■ MATERIAL LIST 材質表

| ITEM | 部件   | PART         | MATERIALS | ITEM | 部件  | PART           | MATERIALS |
|------|------|--------------|-----------|------|-----|----------------|-----------|
| 1    | 手柄   | Handle       | A105      | 7    | 止推墊 | Thrust Packing | Graphite  |
| 2    | 填料壓蓋 | Packing Nut  | 304       | 8    | 閥杆  | Stem           | 420       |
| 3    | 墊圈   | Stem Packing | Graphite  | 9    | 支撐環 | Support Ring   | 60Si2Mn   |
| 4    | O型圈  | O Ring       | FKM       | 10   | 球   | Ball           | 304       |
| 5    | 支管   | Pipe         | A105      | 11   | 體管  | Body           | A105      |
| 6    | 軸承   | Stem Pipe    | A105      | 12   | 閥座  | Seat           | PTFE+C    |

■ DIMENSION 尺寸表

| 口徑(Size) | 壓力(PN) | L   | A       | H   | H1  | d   | D1    | D(GB) | D(DIN) |
|----------|--------|-----|---------|-----|-----|-----|-------|-------|--------|
| DN15     | 40     | 230 | 120     | 97  | 45  | 15  | 42.4  | 22    | 21.3   |
| DN20     | 40     | 230 | 150     | 103 | 46  | 20  | 48.3  | 25    | 26.9   |
| DN25     | 40     | 230 | 150     | 109 | 48  | 25  | 60.3  | 32    | 33.7   |
| DN32     | 40     | 260 | 190     | 119 | 63  | 32  | 76.1  | 38    | 42.4   |
| DN40     | 40     | 300 | 190     | 125 | 67  | 38  | 88.9  | 45    | 48.3   |
| DN50     | 25     | 300 | 275     | 183 | 82  | 50  | 114.3 | 57    | 60.3   |
| DN65     | 25     | 300 | 275     | 196 | 87  | 65  | 139.7 | 73    | 76.1   |
| DN80     | 25     | 325 | 275     | 219 | 104 | 80  | 168.3 | 89    | 88.9   |
| DN100    | 25     | 325 | 415     | 242 | 104 | 100 | 177.8 | 108   | 114.3  |
| DN125    | 25     | 350 | 540     | 248 | 118 | 125 | 219.1 | 133   | 139.7  |
| DN150    | 25     | 400 | 745     | 275 | 130 | 150 | 273   | 159   | 168.3  |
| DN200    | 25     | 530 | gearbox | -   | -   | 200 | 355.6 | 219   | 219.1  |
| DN250    | 25     | 640 | gearbox | -   | -   | 250 | 426   | 273   | 273    |

## Underground Buried Full Welded Ball Valve



### 排氣直埋長杆放散式球閥

#### ■ MATERIAL LIST 材質表

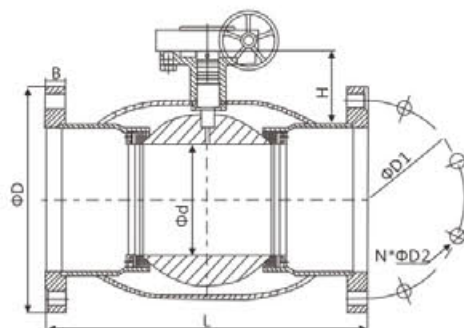
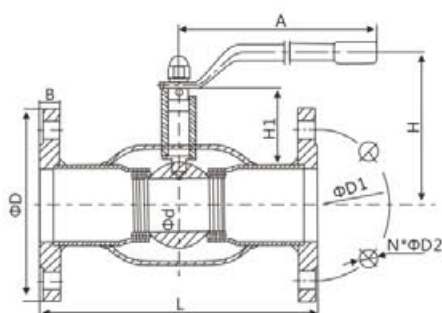
| ITEM | 部件   | PART         | MATERIALS | ITEM | 部件    | PART           | MATERIALS |
|------|------|--------------|-----------|------|-------|----------------|-----------|
| 1    | 螺母   | Nut          | A193 B7   | 10   | 平鍵    | Pin            | ANSI 1045 |
| 2    | 螺栓   | Bolt         | A193 B7   | 11   | 填料    | Thrust Packing | PTFE      |
| 3    | 卡簧   | Circlip      | 65Mn      | 13   | 閥杆    | Stem           | 420       |
| 4    | 墊圈   | Stem Packing | RPTFE     | 14   | 蝶簧    | Spring         | 17-7PH    |
| 5    | O型圈  | O Ring       | VITON     | 15   | 閥座    | Seat           | PTFE+C    |
| 6    | 上壓蓋  | GLAND        | A105      | 16   | 閥座支撐圈 | Support Ring   | A105      |
| 7    | 軸承   | Stem Pipe    | A105      | 17   | 球     | Ball           | 304       |
| 8    | 排污塞  | Plug         | 420       | 18   | 閥體    | Body           | A105      |
| 9    | 無油軸承 | Bush         | 304+PTFE  | 19   | 支管    | Pipe           | A105      |

#### ■ DIMENSION 尺寸表

| DN    | A   | L    | D1    | d   | D(DIN) | D(GB) |
|-------|-----|------|-------|-----|--------|-------|
| DN40  | 300 | 1000 | 88.9  | 38  | 48.3   | 45    |
| DN50  | 300 | 1000 | 114.3 | 50  | 60.3   | 57    |
| DN65  | 300 | 1000 | 139.7 | 65  | 76.1   | 73    |
| DN80  | 300 | 1000 | 168.3 | 80  | 88.9   | 89    |
| DN100 | 300 | 1000 | 177.8 | 100 | 114.3  | 108   |
| DN125 | 400 | 1000 | 219.1 | 125 | 139.7  | 133   |
| DN150 | 400 | 1000 | 273   | 150 | 168.3  | 159   |

| DN    | A   | L    | D1    | d   | D(DIN) | D(GB) |
|-------|-----|------|-------|-----|--------|-------|
| DN100 | 300 | 1000 | 177.8 | 100 | 114.3  | 108   |
| DN125 | 400 | 1000 | 219.1 | 125 | 139.7  | 133   |
| DN150 | 400 | 1000 | 273   | 150 | 168.3  | 159   |
| DN200 | 400 | 1100 | 355.6 | 200 | 219.1  | 219   |
| DN250 | 500 | 1100 | 426   | 250 | 273    | 273   |
| DN300 | 500 | 1230 | 508   | 290 | 323.9  | 325   |
| DN350 | 500 | 1400 | 558.8 | 350 | 355.6  | 377   |
| DN400 | 500 | 1550 | 680   | 400 | 406.4  | 426   |
| DN500 | 600 | 1700 | 830   | 500 | 508    | 529   |
| DN600 | 700 | 2000 | 1000  | 600 | 609.6  | 630   |
| DN700 | 700 | 2195 | 1150  | 700 | 711    | 720   |
| DN800 | 800 | 2300 | 1252  | 770 | 813    | 820   |
| DN900 | 900 | 2550 | 1456  | 874 | 914    | 920   |

## Flanged welded Ball Valve



### 法蘭焊接球閥

#### ■ MATERIAL LIST 材質表

| ITEM | 部件   | PART         | MATERIALS | ITEM | 部件  | PART           | MATERIALS |
|------|------|--------------|-----------|------|-----|----------------|-----------|
| 1    | 手柄   | Handle       | A105      | 7    | 止推墊 | Thrust Packing | Graphite  |
| 2    | 填料壓蓋 | Packing Nut  | 304       | 8    | 閥杆  | Stem           | 420       |
| 3    | 墊圈   | Stem Packing | Graphite  | 9    | 支撐環 | Support Ring   | 60Si2Mn   |
| 4    | O型圈  | O Ring       | FKM       | 10   | 球   | Ball           | 304       |
| 5    | 支管   | Pipe         | A105      | 11   | 體管  | Body           | A105      |
| 6    | 軸承   | Stem Pipe    | A105      | 12   | 閥座  | Seat           | PTFE+C    |

#### ■ DIMENSION 尺寸表

| 口徑(Size) | 壓力(PN) | L   | A   | H   | H1  | d   | B  | D   | D1  | N  | D2 | 重量(kg) |
|----------|--------|-----|-----|-----|-----|-----|----|-----|-----|----|----|--------|
| DN15     | 40     | 230 | 120 | 93  | 41  | 10  | 14 | 95  | 65  | 4  | 14 | 1.78   |
| DN20     | 40     | 230 | 120 | 97  | 43  | 15  | 14 | 105 | 75  | 4  | 14 | 2.19   |
| DN25     | 40     | 230 | 150 | 103 | 42  | 20  | 14 | 115 | 85  | 4  | 14 | 2.79   |
| DN32     | 40     | 250 | 150 | 109 | 44  | 25  | 16 | 140 | 100 | 4  | 18 | 4.32   |
| DN40     | 40     | 260 | 190 | 119 | 60  | 32  | 16 | 150 | 110 | 4  | 18 | 5.21   |
| DN50     | 40     | 300 | 190 | 125 | 61  | 38  | 17 | 165 | 125 | 4  | 18 | 6.77   |
| DN65     | 25     | 300 | 275 | 183 | 74  | 50  | 19 | 185 | 145 | 4  | 18 | 10.48  |
| DN80     | 25     | 300 | 275 | 196 | 80  | 65  | 19 | 200 | 160 | 8  | 18 | 12.65  |
| DN100    | 25     | 325 | 275 | 219 | 100 | 80  | 21 | 220 | 180 | 8  | 18 | 16.49  |
| DN125    | 25     | 325 | 415 | 242 | 91  | 100 | 23 | 250 | 210 | 8  | 18 | 23.86  |
| DN150    | 25     | 350 | 540 | 248 | 103 | 125 | 25 | 285 | 240 | 8  | 22 | 34.27  |
| DN200    | 25     | 400 | 745 | 275 | 105 | 150 | 27 | 340 | 295 | 12 | 22 | 49.91  |

| 口徑(Size) | 壓力(PN) | L   | H   | d   | B  | D   | D1  | N  | D2 | 重量(kg) |
|----------|--------|-----|-----|-----|----|-----|-----|----|----|--------|
| DN125    | 25     | 325 | 91  | 100 | 23 | 250 | 210 | 8  | 18 | 31.8   |
| DN150    | 25     | 350 | 112 | 125 | 25 | 285 | 240 | 8  | 22 | 47.5   |
| DN200    | 25     | 400 | 95  | 150 | 27 | 340 | 295 | 12 | 22 | 64.5   |
| DN250    | 25     | 530 | 126 | 200 | 29 | 405 | 355 | 12 | 26 | 119.6  |
| DN300    | 25     | 640 | 149 | 250 | 32 | 460 | 410 | 12 | 26 | 166.9  |
| DN350    | 25     | 690 | 167 | 290 | 34 | 520 | 470 | 16 | 26 | 279.2  |
| DN400    | 25     | 750 | 184 | 350 | 36 | 580 | 525 | 16 | 30 | 448.3  |