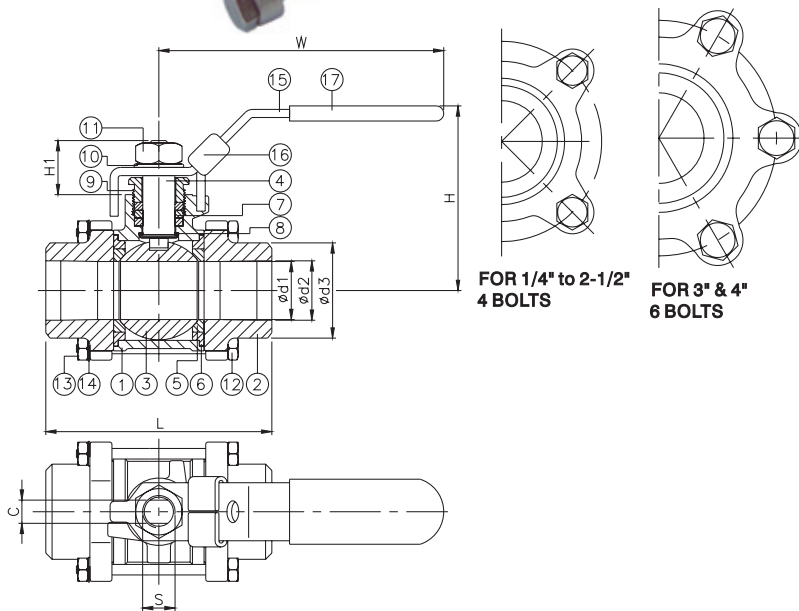




## ★ ECONOMIC PATTERN



## FEATURES

- Full port, 1/4"~4" (DN8~DN100)
- W.P. : 1000 WOG (PN63)
- W.T. : -20°C~200°C (-4°F~392°F)
- Investment casting
- Blow-out proof stem
- Locking device
- TA-Luft approved (option)
- Length conform to DIN 3202/4-M3-2012N-M3 (option)
- Butt weld ends conform to ANSI B16.25 & DIN 3239 part1

| ITEM | PARTS          | MATERIAL       |               |
|------|----------------|----------------|---------------|
| 1    | BODY           | ASTM A351-CF8M | ASTM A216-WCB |
| 2    | CAP            |                |               |
| 3    | BALL           | ASTM A351-CF8M |               |
| 4    | STEM           | ASTM A276-316  |               |
| 5    | SEAT           | PTFE / RTFE    |               |
| 6    | SEAL           |                |               |
| 7    | PACKING        | PTFE           |               |
| 8    | THRUST WASHER  |                |               |
| 9    | GLAND NUT      |                |               |
| 10   | SPRING WASHER  |                |               |
| 11   | STEM NUT       |                |               |
| 12   | BOLT           | AISI 304       |               |
| 13   | NUT            |                |               |
| 14   | SPRING WASHER  |                |               |
| 15   | HANDLE         |                |               |
| 16   | LOCKING DEVICE |                |               |
| 17   | HANDLE SLEEVE  | PVC            |               |

| DN  | d1   | d2   | d3    | L   | H    | H1   | W   | C   | S           | Torque (N-M) | Weight (kg) |
|-----|------|------|-------|-----|------|------|-----|-----|-------------|--------------|-------------|
| 8   | 9.3  | -    | 14.7  | 65  | 58.5 | 18   | 100 | 5   | 3/8"-24UNF  | 3.5          | 0.4         |
| 10  | 12.5 | -    | 18.1  | 65  | 58.5 | 18   | 100 | 5   | 3/8"-24UNF  | 4            | 0.4         |
| 15  | 15   | 15.8 | 22.3  | 65  | 62   | 18.5 | 100 | 5   | 3/8"-24UNF  | 5.5          | 0.5         |
| 20  | 20   | 20.9 | 27.7  | 75  | 62   | 22.5 | 125 | 6.5 | 7/16"-20UNF | 7.5          | 0.7         |
| 25  | 25   | 26.6 | 34.4  | 85  | 77   | 25   | 149 | 7.9 | 7/16"-20UNF | 11           | 1           |
| 32  | 32   | 35.1 | 43.2  | 101 | 82   | 26   | 149 | 7.9 | 7/16"-20UNF | 15           | 1.6         |
| 40  | 38   | 40.9 | 49.3  | 112 | 100  | 30   | 190 | 10  | 1/2"-20UNF  | 20           | 2.5         |
| 50  | 50   | 52.5 | 61.5  | 130 | 108  | 30   | 190 | 10  | 1/2"-20UNF  | 40           | 3.5         |
| 65  | 63   | 62.7 | 74.5  | 162 | 137  | 40   | 250 | 12  | 3/4"-10UNC  | 60           | 6.7         |
| 80  | 76   | 77.9 | 91    | 188 | 145  | 40   | 250 | 12  | 3/4"-10UNC  | 85           | 9.5         |
| 100 | 96   | 102  | 115.5 | 224 | 179  | 54   | 323 | 16  | 1"-8UNC     | 150          | 19.1        |

unit:mm

| NPS    | d1   | d2   | d3   | L    | H    | H1   | W     | C    | S           | Torque (in-lb) | Weight (lb) |
|--------|------|------|------|------|------|------|-------|------|-------------|----------------|-------------|
| 1/4"   | 0.37 | -    | 0.58 | 2.56 | 2.3  | 0.71 | 3.94  | 0.2  | 3/8"-24UNF  | 31             | 0.8         |
| 3/8"   | 0.49 | -    | 0.71 | 2.56 | 2.3  | 0.71 | 3.94  | 0.2  | 3/8"-24UNF  | 35.4           | 0.8         |
| 1/2"   | 0.59 | 0.62 | 0.88 | 2.56 | 2.44 | 0.73 | 3.94  | 0.2  | 3/8"-24UNF  | 48.7           | 1.1         |
| 3/4"   | 0.79 | 0.82 | 1.09 | 2.95 | 2.44 | 0.89 | 4.92  | 0.26 | 7/16"-20UNF | 66.4           | 1.5         |
| 1"     | 0.98 | 1.05 | 1.35 | 3.35 | 3.03 | 0.98 | 5.87  | 0.31 | 7/16"-20UNF | 97.4           | 2.2         |
| 1-1/4" | 1.26 | 1.38 | 1.7  | 3.98 | 3.23 | 1.02 | 5.87  | 0.31 | 7/16"-20UNF | 132.8          | 3.5         |
| 1-1/2" | 1.5  | 1.61 | 1.94 | 4.41 | 3.94 | 1.18 | 7.48  | 0.39 | 1/2"-20UNF  | 177            | 5.5         |
| 2"     | 1.97 | 2.07 | 2.42 | 5.12 | 4.25 | 1.18 | 7.48  | 0.39 | 1/2"-20UNF  | 354            | 7.7         |
| 2-1/2" | 2.48 | 2.47 | 2.93 | 6.38 | 5.39 | 1.57 | 9.84  | 0.47 | 3/4"-10UNC  | 531            | 14.8        |
| 3"     | 2.99 | 3.07 | 3.58 | 7.4  | 5.71 | 1.57 | 9.84  | 0.47 | 3/4"-10UNC  | 752.3          | 20.9        |
| 4"     | 3.78 | 4.02 | 4.55 | 8.82 | 7.05 | 2.13 | 12.72 | 0.63 | 1"-8UNC     | 1327.6         | 42.1        |

unit:in