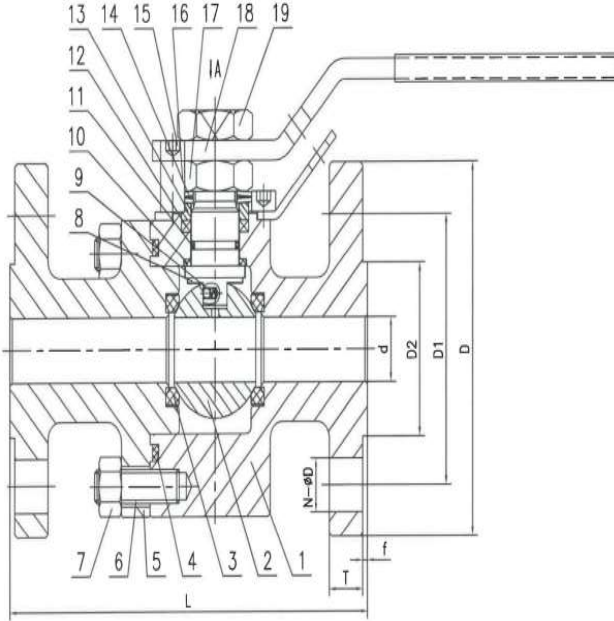


# CAST STEEL BALL VALVE FLOATING Class 150 LBS



## Basic design features

|                     |                      |
|---------------------|----------------------|
| <b>Design</b>       | API 6D               |
| <b>Face to face</b> | ASME B16.10          |
| <b>Flanges</b>      | ASME B16.5           |
| <b>Testing</b>      | API 598              |
| <b>Bore</b>         | FULL                 |
| <b>Bonnet</b>       | BOLTED               |
| <b>Marking</b>      | CE - PED             |
| <b>Fire Safe</b>    | API 607              |
| <b>Certificates</b> | EN 10204 - 3.1 / 3.2 |
| <b>Rating</b>       | 150 LBS              |

## Test Pressure to API 598

|                      |         |
|----------------------|---------|
| <b>Class</b>         | 150 LBS |
| <b>Shell (Water)</b> | 30 bar  |
| <b>Seat (Water)</b>  | 22 bar  |
| <b>Seat (Air)</b>    | 6.0 bar |

## BILL OF MATERIALS STANDARD ACCORDING TO ASTM

| PART NAME |                    | A105              | PART NAME |                    | F316              |
|-----------|--------------------|-------------------|-----------|--------------------|-------------------|
| 1         | BODY               | ASTM A105         | 1         | BODY               | ASTM A182 F316    |
| 2         | BALL               | ASTM A182 F316    | 2         | BALL               | ASTM A182 F316    |
| 3         | SEAT               | RPTFE             | 3         | SEAT               | PTFE              |
| 4         | GASKET             | 316+GRAPHITE      | 4         | GASKET             | 316+GRAPHITE      |
| 5         | LEFT BODY          | ASTM A182 F316    | 5         | LEFT BODY          | ASTM A182 F316    |
| 6         | STUD               | A193 B7           | 6         | STUD               | A193 B8M          |
| 7         | NUT                | A194 2H           | 7         | NUT                | A194 B8           |
| 8         | STEM               | ASTM A182F316     | 8         | STEM               | ASTM A182F316     |
| 9         | ANTI STATIC DEVICE | ASSEMBLY          | 9         | ANTI STATIC DEVICE | ASSEMBLY          |
| 10        | THURST BEARING     | PTFE              | 10        | THURST BEARING     | PTFE              |
| 11        | O RING             | VITON             | 11        | O RING             | VITON             |
| 12        | PACKING            | GRAPHITE          | 12        | PACKING            | GRAPHITE          |
| 13        | PACKING RING       | ASTM A276 316     | 13        | PACKING RING       | ASTM A276 316     |
| 14        | DISC SPRING        | 17-7PH            | 14        | DISC SPRING        | 17-7PH            |
| 15        | BOLT               | A193 B8           | 15        | BOLT               | A193 B8           |
| 16        | SCREW SLEEVE       | SS 304            | 16        | SCREW SLEEVE       | SS 304            |
| 17        | NUT                | A 194 8           | 17        | NUT                | A 194 8           |
| 18        | LEVER              | ASTM A276 201+PVC | 18        | LEVER              | ASTM A276 201+PVC |
| 17        | NUT                | A 194 8           | 17        | NUT                | A 194 8           |



**CAST STEEL BALL  
VALVE FLOATING  
Class 150 LBS**

| SIZE<br>INCH | L (MM) | D (MM) | D1 (MM) | d (MM) |
|--------------|--------|--------|---------|--------|
| 1/2          | 108    | 90     | 60,3    | 13     |
| 3/4          | 117    | 100    | 69,9    | 19     |
| 1            | 127    | 110    | 79,9    | 25     |
| 1 1/2        | 165    | 125    | 98,4    | 38     |
| 2            | 178    | 150    | 120,7   | 49     |
| 3            | 203    | 190    | 152,4   | 74     |
| 4            | 229    | 230    | 190,5   | 100    |

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