



TOP FLANGE

| NO. | PART NAME   | MATERIAL         | NO. |
|-----|-------------|------------------|-----|
| 1   | BODY        | DUCTILE IRON     | 1   |
| 2   | DISC        | CF8M             | 1   |
| 3   | SEAT        | EPDM/NBR/FKM     | 1   |
| 4   | UPPER SHAFT | SS 431           | 1   |
| 5   | LOWER SHAFT | SS 431           | 1   |
| 6   | BUSHING     | SS316+PTFE       | 3   |
| 7   | U-RING      | SS304            | 1   |
| 8   | X-RING      | NBR              | 1   |
| 9   | LOCKING PAD | SS304            | 1   |
| 10  | SCREW       | SS304            | 2   |
| 11  | PLUG        | A105 Zn Planting | 1   |

**DIMENSIONS (in)**

| SIZE   | A      | B     | L     | Y  | C     | ISO 5211 | ØD    | ØK    | H1    | Z4    | M | CLASS 150 |       |    | PN10/PN16     |             |       |       |
|--------|--------|-------|-------|----|-------|----------|-------|-------|-------|-------|---|-----------|-------|----|---------------|-------------|-------|-------|
|        |        |       |       |    |       |          |       |       |       |       |   | ØJ        | ØN    | ξ° | ØJ            | ØN          | ξ°    | H2    |
| 2"     | 5.512  | 3.150 | 1.693 | M5 | 0.433 | F07      | 3.543 | 2.756 | 1.102 | 0.394 | 4 | 4.752     | 0.748 | 90 | 4.921         | 0.748       | 90    | 0.551 |
| 2-1/2" | 5.906  | 3.504 | 1.811 | M5 | 0.433 | F07      | 3.543 | 2.756 | 1.102 | 0.394 | 4 | 5.500     | 0.748 | 90 | 5.709         | 0.748       | 90    | 0.551 |
| 3"     | 6.220  | 3.740 | 1.811 | M5 | 0.433 | F07      | 3.543 | 2.756 | 1.102 | 0.394 | 4 | 6.000     | 0.748 | 90 | 6.299         | 0.748       | 45    | 0.551 |
| 4"     | 6.929  | 4.488 | 2.047 | M5 | 0.433 | F07      | 3.543 | 2.756 | 1.102 | 0.394 | 4 | 7.500     | 0.748 | 45 | 7.087         | 0.748       | 45    | 0.591 |
| 5"     | 7.480  | 5.000 | 2.205 | M5 | 0.551 | F07      | 3.543 | 2.756 | 1.102 | 0.394 | 4 | 8.500     | 0.866 | 45 | 8.268         | 0.748       | 45    | 0.591 |
| 6"     | 8.346  | 5.472 | 2.205 | M5 | 0.551 | F07      | 3.543 | 2.756 | 1.102 | 0.394 | 4 | 9.500     | 0.866 | 45 | 9.449         | 0.906       | 45    | 0.591 |
| 8"     | 9.291  | 6.890 | 2.362 | M8 | 0.669 | F12      | 5.906 | 4.921 | 1.378 | 0.551 | 4 | 11.752    | 0.866 | 45 | 11.614        | 0.906       | 45/30 | 0.630 |
| 10"    | 10.433 | 7.992 | 2.677 |    | 0.866 | F12      | 5.906 | 4.921 | 1.378 | 0.551 | 4 | 14.252    | 1.024 | 30 | 13.780/13.976 | 0.906/1.102 | 30    | 0.630 |
| 12"    | 12.008 | 9.528 | 3.071 |    | 0.866 | F12      | 5.906 | 4.921 | 1.378 | 0.551 | 4 | 17.000    | 1.024 | 30 | 15.748/16.142 | 0.906/1.102 | 30    | 0.709 |

**DESCRIPTION:**

Dim Dwg (inches) - 2"-12" API 609 -  
150# Wafer Body Bare Shaft Resilient Seated BFV

**DATE:**

04.29.24

**DWG:**

TS-DD0007-A



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