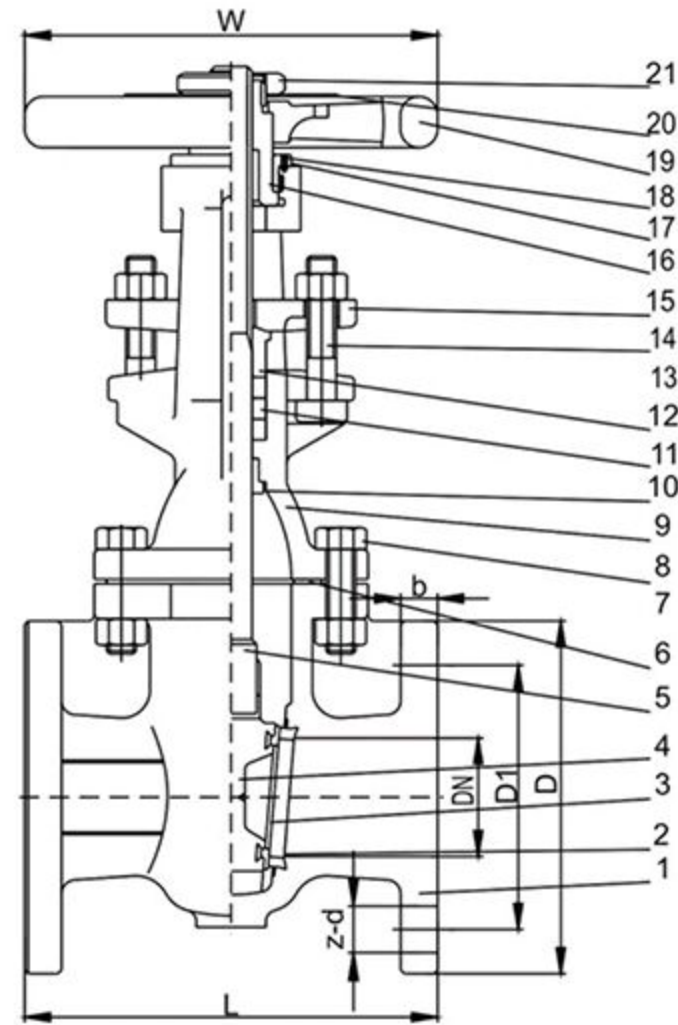




Shut off

MSS metal seat gate valve OS&Y



Note:

- 1.Design and manufacture: MSS SP-70.
- 2.Flange dimensions: ASME B16.1.
- 3.Face to face dimensions: ASME B16.10.
- 4.Test and inspection: API 598.
- 5.Size up to 48".

Materials list:

| | | | | | |
|----|----------------|------------|----|------------------|------------|
| 1 | Body | ASTM A126B | 12 | Gland | ASTM B584 |
| 2 | Body seat ring | ASTM B62 | 13 | Bolts | ASTM A307B |
| 3 | Disc seat ring | ASTM B62 | 14 | Nut | ASTM A307B |
| 4 | Wedge | ASTM A126B | 15 | Gland follower | ASTM A536 |
| 5 | Stem | ASTM B16 | 16 | Yoke sleeve | ASTM B584 |
| 6 | Gasket | Graphite | 17 | Yoke bushing nut | ASTM A126B |
| 7 | Bolts | ASTM A307B | 18 | Screw | ASTM A307B |
| 8 | Nut | ASTM A307B | 19 | Handwheel | ASTM A126B |
| 9 | Bonnet | ASTM A126B | 20 | Nameplate | AL 2024 |
| 10 | Back seat | ASTM B584 | 21 | Nut | ASTM A536 |
| 11 | Packing | Graphite | | | |

| Size | DN | D1 | D | L | W | b | Z-d |
|--------|-----|-------|-------|-------|-----|------|-------|
| 2 1/2" | 50 | 121 | 152 | 178 | 178 | 15.9 | 4-19 |
| 3" | 65 | 140 | 178 | 190.5 | 178 | 17.5 | 4-19 |
| 4" | 80 | 152.5 | 190 | 203.2 | 200 | 19.1 | 4-19 |
| 6" | 100 | 190.5 | 228.6 | 228.6 | 254 | 23.8 | 8-19 |
| 8" | 125 | 215.9 | 254 | 254 | 300 | 23.8 | 8-22 |
| 10" | 150 | 241.5 | 282 | 266.7 | 300 | 25.4 | 8-22 |
| 12" | 200 | 298.5 | 343 | 292 | 348 | 28.6 | 8-22 |
| 14" | 250 | 362 | 406 | 330 | 400 | 30.2 | 12-25 |
| 16" | 300 | 432 | 483 | 355.6 | 457 | 31.8 | 12-25 |
| 18" | 350 | 476 | 533 | 381 | 508 | 35 | 12-29 |
| 20" | 400 | 540 | 597 | 406 | 558 | 36.6 | 16-29 |
| 24" | 450 | 578 | 635 | 432 | 610 | 39.7 | 16-32 |
| 28" | 500 | 635 | 699 | 457 | 640 | 42.9 | 20-32 |
| 36" | 600 | 749 | 813 | 508 | 762 | 47.6 | 20-35 |