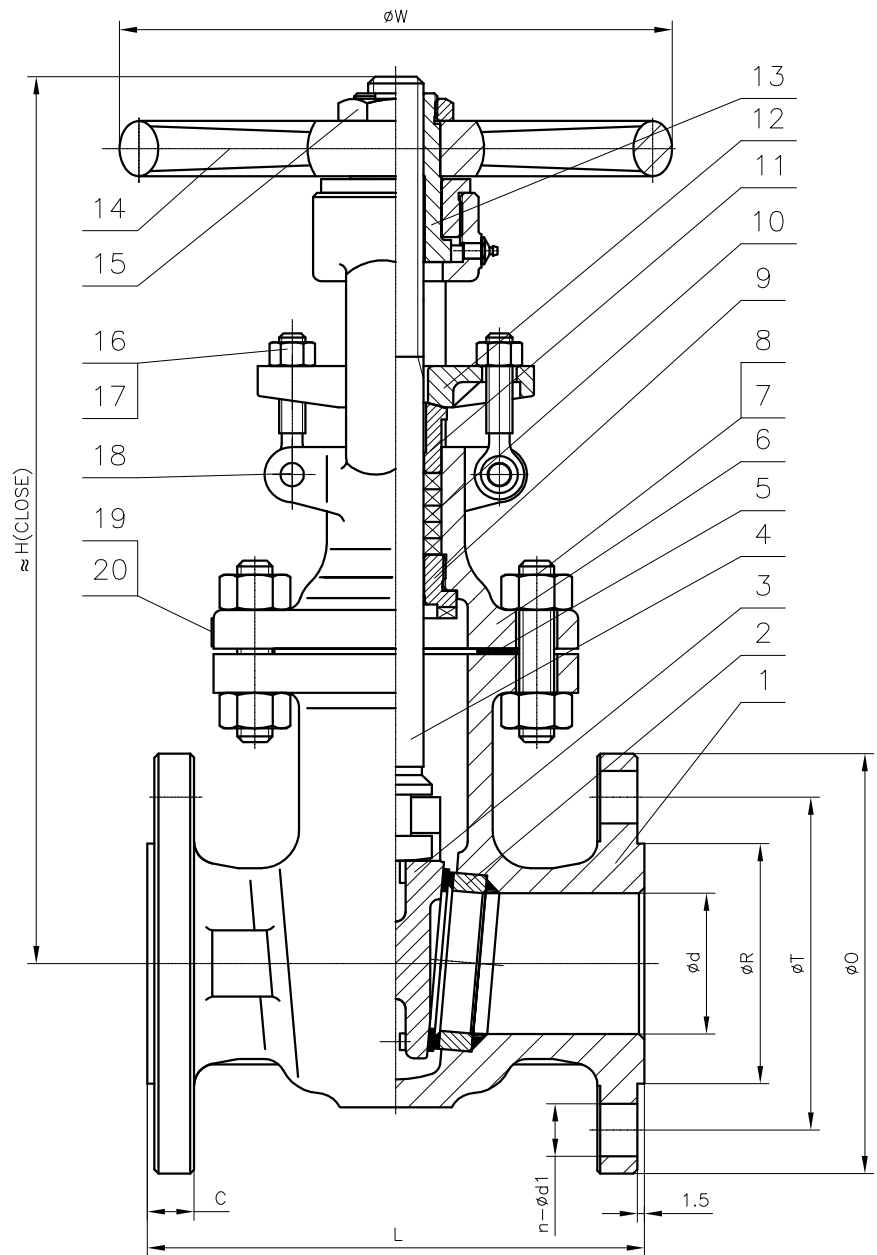


FIG.NO:



PARTS & MATERIAL LIST

| ITEM | PART NAME | QTY | MATERIAL | NOTES |
|------|---------------|-----|-----------------------|-------|
| 1 | Body | 1 | ASTM A216 GR.WCB | |
| 2 | Seat Ring | 2 | ASTM A105N+STL#6 | |
| 3 | Wedge | 1 | ASTM A216 GR.WCB+13Cr | |
| 4 | Stem | 1 | ASTM A182 GR F6a | |
| 5 | Gasket | 1 | SS316+Graphite | |
| 6 | Bonnet | 1 | ASTM A216 GR.WCB | |
| 7 | Stud | | ASTM A193 GR.B7M | |
| 8 | Nut | | ASTM A194 GR.2HM | |
| 9 | Back Seat | 1 | ASTM A276 Type 410 | |
| 10 | Packing | 5 | FE Graphite | |
| 11 | Gland | 1 | ASTM A276 Type 410 | |
| 12 | Gland Flange | 1 | ASTM A216 GR.WCB | |
| 13 | Stem Nut | 1 | ASTM A439 GR.D-2 | |
| 14 | Handwheel | 1 | Ductile Iron | |
| 15 | Handwheel Nut | 1 | ASTM A29 Type 1025 | |
| 16 | Eye Bolt | 2 | ASTM A193 GR.B7M | |
| 17 | Eye Nut | 2 | ASTM A194 GR.2HM | |
| 18 | Pin | 2 | ASTM A29 Type 1025 | |
| 19 | Nameplate | 1 | SS304 | |
| 20 | Rivet | 2 | SS304 | |

| ITEM | SIZE | ød | øR | øT | øO | n-ød1 | C | L | H(CLOSE) | W | WT(Kg) |
|------|------|-----|-------|-------|-----|--------|------|-----|----------|-----|--------|
| | 2" | 51 | 91.9 | 120.6 | 152 | 4-ø19 | 15.7 | 178 | 310 | 200 | 20 |
| | 3" | 76 | 127 | 152.4 | 190 | 4-ø19 | 19 | 203 | 370 | 250 | 36 |
| | 4" | 102 | 157.2 | 190.5 | 229 | 8-ø19 | 23.9 | 229 | 434 | 250 | 53 |
| | 6" | 152 | 215.9 | 241.3 | 279 | 8-ø22 | 25.4 | 267 | 580 | 300 | 85 |
| | 10" | 254 | 323.8 | 362 | 406 | 12-ø26 | 29.9 | 330 | 864 | 400 | 200 |
| | 12" | 305 | 381 | 431.8 | 483 | 12-ø26 | 31.7 | 356 | 1015 | 450 | 320 |

CAST STEEL GATE VALVE
CLASS 150Lb/RF SIZE 2"-12"



| | | | |
|----------------|-----------------------------------|------------------------------|---------|
| Marking System | MSS-SP-25 | Inspection & Test : API 598 | |
| Dim.of Flange | ASME B16.5 | Shell Test(Hyd) | 3.0 MPa |
| Face To Face | ASME B16.10 | Seat Test/Back Pressure(Hyd) | 2.2 MPa |
| Wall Thickness | API 600 | Seat Test(Air) | 0.6 MPa |
| Overall | API 600, ASME B16.34, NACE MR0175 | | |

| | | |
|-------|-----|------------|
| Draft | CDJ | 11/17/2022 |
| Check | SJH | 11/17/2022 |
| Appr | YYT | 11/17/2022 |

| | |
|--------|----|
| REV: | R0 |
| PO.NO: | |