

Shield - Gate Valve, Non Rising Stem

- ▲ Model: SD-NRS125 CLASS 125LB FLANGE
- ▲ Model: SD-NRS150 CLASS 150LB FLANGE
- ▲ Model: SD-NRS250 CLASS 250LB FLANGE



Class 125 LBS Class 150 Valve

Dimensions (mm)

| Size | L | H | A | K | D | d1 | d2 | N | h | b | f |
|--------|-----|-----|----|----|-----|-----|-----|----|----|----|---|
| 2" | 178 | 425 | 63 | 35 | 165 | 102 | 125 | 4 | 18 | 20 | 3 |
| 2 1/2" | 190 | 450 | 63 | 35 | 185 | 122 | 145 | 4 | 18 | 20 | 3 |
| 3" | 203 | 457 | 63 | 35 | 200 | 138 | 160 | 8 | 18 | 22 | 3 |
| 4" | 229 | 500 | 63 | 35 | 220 | 158 | 180 | 8 | 18 | 24 | 3 |
| 5" | 254 | 605 | 63 | 35 | 250 | 188 | 210 | 8 | 18 | 26 | 3 |
| 6" | 267 | 655 | 63 | 35 | 285 | 212 | 240 | 8 | 23 | 26 | 3 |
| 8" | 292 | 712 | 63 | 35 | 340 | 268 | 295 | 8 | 23 | 26 | 3 |
| 10" | 330 | 792 | 63 | 35 | 395 | 320 | 350 | 12 | 23 | 28 | 3 |
| 12" | 356 | 904 | 63 | 35 | 445 | 370 | 400 | 12 | 23 | 28 | 4 |

| Flanged to | Class 125 | Class 150 | Class 250-300 | Class 600 |
|---------------------------------|-----------|-----------|---------------|-----------|
| Working Pressure (psi) | 175 | 250 | 600 | - |
| Shell Test Pressure (psi) water | 200 | 315 | 815 | - |
| Shell Test Pressure (psi) air | 80 | 80 | 80 | - |

Class 250 LBS Valve

Dimensions (mm)

| Size | L | H | A | K | D | d1 | d2 | N | h | b | f |
|--------|-----|-----|----|----|-----|-----|-----|----|----|----|---|
| 2" | 178 | 460 | 63 | 35 | 165 | 102 | 125 | 4 | 18 | 20 | 3 |
| 2 1/2" | 190 | 485 | 63 | 35 | 185 | 122 | 145 | 4 | 18 | 20 | 3 |
| 3" | 203 | 465 | 63 | 35 | 200 | 138 | 160 | 8 | 18 | 22 | 3 |
| 4" | 229 | 505 | 63 | 35 | 220 | 158 | 180 | 8 | 18 | 24 | 3 |
| 5" | 254 | 640 | 63 | 35 | 250 | 188 | 210 | 8 | 18 | 26 | 3 |
| 6" | 267 | 655 | 63 | 35 | 285 | 212 | 240 | 8 | 23 | 26 | 3 |
| 8" | 292 | 705 | 63 | 35 | 340 | 268 | 295 | 12 | 23 | 30 | 3 |
| 10" | 330 | 780 | 63 | 35 | 405 | 320 | 355 | 12 | 27 | 32 | 3 |
| 12" | 356 | 885 | 63 | 35 | 460 | 378 | 410 | 12 | 27 | 32 | 4 |

| Flanged to | Class 125 | Class 150 | Class 250-300 | Class 600 |
|---------------------------------|-----------|-----------|---------------|-----------|
| Working Pressure (psi) | - | - | 600 | 1000 |
| Shell Test Pressure (psi) water | - | - | 815 | 1630 |
| Shell Test Pressure (psi) air | - | - | 80 | 80 |

- ▲ The Valves are designed and manufactured according to AWWA standards and other international standards.
- ▲ Flange shape and drilling to specification ANSI B16.10
- ▲ Face to face dimensions confirm to ANSI B16.10
- ▲ Suitable media: Water, Oil, Gas, Fire Fighting
- ▲ Available in all Iron - upon request
- ▲ Working temperature : <425 C

Shield - OS & Y Gate Valve, Rising Stem

- ▲ Model: SD-OS&Y250 CLASS 250LB FLANGE

Dimensions (mm)

| Size | A | B | C | D | E |
|--------|-----|------|-----|-----|----|
| 2" | 216 | 406 | 178 | 165 | 22 |
| 2 1/2" | 241 | 454 | 203 | 191 | 25 |
| 3" | 283 | 510 | 254 | 209 | 29 |
| 4" | 305 | 680 | 300 | 254 | 32 |
| 5" | 381 | 790 | 300 | 279 | 35 |
| 6" | 403 | 857 | 406 | 318 | 37 |
| 8" | 419 | 1150 | 432 | 381 | 41 |
| 10" | 457 | 1372 | 508 | 445 | 48 |
| 12" | 502 | 1378 | 508 | 521 | 51 |

| Flanged to | Class 125 | Class 150 | Class 250-300 | Class 600 |
|---------------------------------|-----------|-----------|---------------|-----------|
| Working Pressure (psi) | - | - | 600 | 1000 |
| Shell Test Pressure (psi) water | - | - | 815 | 1630 |
| Shell Test Pressure (psi) air | - | - | 80 | 80 |

| No | Part | Material | Standard |
|----|----------------------|--------------|--------------------|
| 1 | Body | Cast Iron | ASTM A126 CLASS B |
| 2 | Seat Ring | Cast Bronze | ASTM B62 |
| 3 | Wedge Face Ring | Cast Bronze | ASTM B62 |
| 4 | Wedge | Cast Iron | ASTM A126 CLASS B |
| 5 | Stem | Brass | ASTM B16 |
| 6 | Body Gasket | Graphite | |
| 7 | Bolt | Steel | ASTM A307-B |
| 8 | Nut | Steel | ASTM A307-B |
| 9 | Bonnet | Cast Iron | ASTM A126 CLASS B |
| 10 | Backseat Bushing | Cast Brass | ASTM B584 |
| 11 | Packing | Graphite | |
| 12 | Packing Gland | Cast Brass | ASTM B584 |
| 13 | Gland Follower Bolt | Steel | ASTM A307-B |
| 14 | Gland Follower Nut | Steel | ASTM A307-B |
| 15 | Gland Follower | Ductile Iron | ASTM A536 65-45-12 |
| 16 | Yoke Bushing | Cast Bronze | ASTM B62 |
| 17 | Yoke Bushing Nut | Cast Iron | ASTM A126 CLASS B |
| 18 | Screw | Steel | ASTM A307B |
| 19 | Handwheel | Cast Iron | ASTM A126 CLASS B |
| 20 | Identification Plate | Aluminium | |
| 21 | Handwheel Nut | Ductile Iron | ASTM A536 65-45-12 |

- ▲ The Valves are designed and manufactured according to AWWA standards and other international standards.
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- ▲ Suitable media: Water, Oil, Gas, Fire Fighting
- ▲ Available in all Iron - upon request
- ▲ Working temperature : <425 C

