



# STRAIGHTWAY TAPER PLUG VALVES

CAST STEEL CLASS 600  
REGULAR PATTERN  
RECTANGULAR PORT FULL BORE

| Class | Max. CWP | Test Pressure                         | Pattern                | Connections  | Port                           | Materials   |                                    | Operation |
|-------|----------|---------------------------------------|------------------------|--|--------------------------------|---|------------------------------------|-----------|
|       |          |                                       |                        |  |                                | Body & Cover  | Plug                               |           |
| 600   | 1480 Psi | Shell<br>2225 Psi<br>Seat<br>1630 Psi | Straightway<br>Regular | Welding Ends<br>ASME B 16.25<br>End to End<br>ASME B 16.10 | Rectangular<br>Full bore<br>** | Cast Steel<br>ASTM A 216<br>Grade WCB<br>Cover:<br>EN 10025<br>S355J0<br>S355J2G3 | Cast Iron<br>ASTM A 126<br>Class B | Manual    |
|       |          |                                       |                        |  |                                |   | Steel                              |           |

\*\* 1/2" and 3/4" Round port full bore.

|           | WRENCH<br>TYPE 8 L | GEAR<br>TYPE C | GEAR<br>TYPE D |
|-----------|--------------------|----------------|----------------|
|           |                    |                |                |
| Plug      | DN 1/2" - 4"       | DN 1/2" - 20"  | DN 4" - 20"    |
| Cast Iron | 5-AR 70564 N       | 5-AR 70564 C   | 5-AR 70564 D   |
| Steel     | 5-AR 70567 N       | 5-AR 70567 C   | 5-AR 70567 D   |

| DN     | A   | B   | C   | D   | E  | F  | H   | I   | L   | M   | N   | O   | P    | S   | T     | X     |
|--------|-----|-----|-----|-----|----|----|-----|-----|-----|-----|-----|-----|------|---|-------|-------|
| 1/2"   | 48  | 95  | 120 | 159 | 24 | 30 | 150 | 101 | 112 | 181 | 47  |     |      | Inside pipe dimension to be specified by purchaser. | *23,3 | *165  |
| 3/4"   | 48  | 94  | 121 | 160 | 24 | 30 | 150 | 101 | 112 | 181 | 47  |     |      |   | *28,7 | *191  |
| 1"     | 49  | 98  | 124 | 163 | 24 | 30 | 150 | 101 | 115 | 181 | 47  |     |      |   | *35,4 | 216   |
| 1 1/4" | 56  | 102 | 128 | 167 | 24 | 30 | 150 | 101 | 120 | 181 | 47  |     |      |   | *44,2 | 229   |
| 1 1/2" | 60  | 105 | 145 | 185 | 24 | 30 | 150 | 101 | 136 | 181 | 47  |     |      |   | *50,3 | 241   |
| 2"     | 73  | 128 | 172 | 225 | 32 | 36 | 150 | 101 | 155 | 195 | 65  |     |      |   | *62,3 | 292   |
| 2 1/2" | 86  | 151 | 198 | 252 | 42 | 50 | 150 | 101 | 168 | 195 | 71  |     |      |   | 75    | 330   |
| 3"     | 92  | 166 | 225 | 285 | 47 | 55 | 150 | 101 | 192 | 195 | 71  |     |      |   | 91    | 356   |
| 4"     | 117 | 181 | 265 | 327 | 51 | 65 | 200 | 101 | 289 | 268 | 85  | 46  | 412  |   | 117   | 432   |
| 6"     | 158 | 255 |     |     |    |    | 300 | 101 | 364 | 293 | 95  | 70  | 488  |   | 172   | 559   |
| 8"     | 212 | 312 |     |     |    |    | 300 | 101 | 461 | 361 | 135 | 69  | 595  |   | 223   | 660   |
| 10"    | 248 | 324 |     |     |    |    | 300 | 101 | 545 | 400 | 160 | 108 | 679  |   | 278   | 787   |
| 12"    | 308 | 426 |     |     |    |    | 350 | 101 | 604 | 423 | 175 | 130 | 738  |   | 329   | 838   |
| 14"    | 316 | 460 |     |     |    |    | 350 | 101 | 656 | 460 | 176 | 168 | 790  |   | 362   | 889   |
| 16"    | 370 | 515 |     |     |    |    | 450 | 101 | 709 | 501 | 200 | 210 | 843  |   | 413   | 991   |
| 18"    | 410 | 570 |     |     |    |    | 450 | 101 | 804 | 568 | 246 | 279 | 938  |   | 464   | *1092 |
| 20"    | 433 | 655 |     |     |    |    | 450 | 101 | 949 | 660 | 299 | 270 | 1101 | 516   | *1194 |       |

Note: \* Not included in the standards.