



# STRAIGHTWAY TAPER PLUG VALVES

CAST STEEL CLASS 1500  
VENTURI PATTERN  
RECTANGULAR PORT

| Class | Max. CWP | Test Pressure                         | Pattern                | Connections  | Port        | Materials   |                                    | Operation |
|-------|----------|---------------------------------------|------------------------|--|-------------|---|------------------------------------|-----------|
|       |          |                                       |                        |  |             | Body & Cover  | Plug                               |           |
| 1500  | 3705 Psi | Shell<br>5575 Psi<br>Seat<br>4075 Psi | Straightway<br>Venturi | Welding Ends<br>ASME B 16.25<br>End to End<br>ASME B 16.10 | Rectangular | 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                              |           |

|           | WRENCH<br>TYPE 8 L | GEAR<br>TYPE C  | GEAR<br>TYPE D |
|-----------|--------------------|-----------------|----------------|
|           |                    |                 |                |
| Plug      | DN 1 1/2" - 4"     | DN 1 1/2" - 20" | DN 6" - 20"    |
| Cast Iron | 5-AT 70584 N       | 5-AT 70584 C    | 5-AT 70584 D   |
| Steel     | 5-AT 70587 N       | 5-AT 70587 C    | 5-AT 70587 D   |

| DN     | A   | B   | C   | D   | E  | F  | H   | I   | L   | M   | N   | O   | P   | S   | T     | X     |
|--------|-----|-----|-----|-----|----|----|-----|-----|-----|-----|-----|-----|-----|---|-------|-------|
| 1 1/2" | 64  | 100 | 130 | 162 | 24 | 30 | 150 | 101 | 128 | 181 | 47  |     |     | Inside pipe dimension to be specified by purchaser. | *50,3 | *305  |
| 2"     | 64  | 115 | 145 | 177 | 24 | 30 | 150 | 101 | 136 | 181 | 47  |     |     |   | *62,3 | *368  |
| 2 1/2" | 85  | 149 | 186 | 229 | 42 | 50 | 150 | 101 | 157 | 195 | 71  |     |     |   | 75    | *419  |
| 3"     | 95  | 164 | 202 | 245 | 42 | 50 | 150 | 101 | 166 | 195 | 71  |     |     |   | 91    | *470  |
| 4"     | 119 | 176 | 225 | 275 | 47 | 55 | 200 | 101 | 256 | 268 | 85  |     |     |   | 117   | *546  |
| 6"     | 136 | 221 |     |     |    |    | 300 | 101 | 311 | 293 | 95  | 70  | 435 |   | 172   | 705   |
| 8"     | 185 | 294 |     |     |    |    | 300 | 101 | 395 | 361 | 135 | 69  | 529 |   | 223   | 832   |
| 10"    | 191 | 311 |     |     |    |    | 300 | 101 | 447 | 400 | 160 | 108 | 581 |   | 278   | 991   |
| 12"    | 229 | 372 |     |     |    |    | 350 | 101 | 521 | 423 | 175 | 130 | 655 |   | 329   | 1130  |
| 14"    | 233 | 385 |     |     |    |    | 350 | 101 | 527 | 423 | 175 | 130 | 661 |   | 362   | *1257 |
| 16"    | 266 | 414 |     |     |    |    | 350 | 101 | 591 | 460 | 176 | 168 | 725 |   | 413   | 1384  |
| 18"    | 278 | 432 |     |     |    |    | 350 | 101 | 602 | 460 | 176 | 168 | 736 |   | 464   | *1537 |
| 20"    | 316 | 491 |     |     |    |    | 350 | 101 | 643 | 483 | 196 | 192 | 777 | 516   | *1664 |       |

Note: \* Not included in the standards.