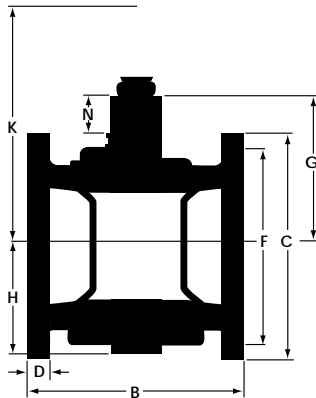


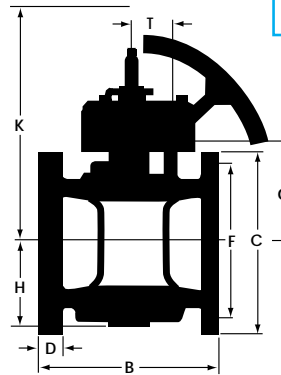
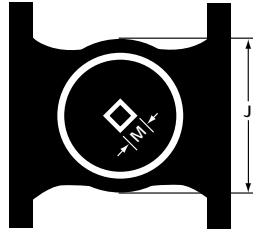
Upon Request

**Materials of Construction**

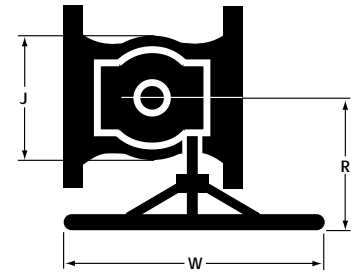
**Body:** ASTM A 126 Class B  
**Plug:** ASTM A 126 Class B  
**Baseplate:** ASTM A 126 Class B  
**Baseplate Spring:** Stainless Steel 17-7  
**Sealant Screw:** Commercial Steel  
**Double Ball Check Valve:** Commercial Steel  
**Gasket:** Glass Filled TFE  
**Body Sealant Fitting:** Commercial Steel  
 (8", 10" & 12" only).



**Fig. R-1431**  
Wrench-Operated



**Fig. R-1431 WGA**  
Worm Gear-Operated

**Dimensions -Regular Opening, Rectangular Port Valves R-1431**

| DESCRIPTION   | BOTTOM ENTRY |       |       |       |       |       |       |       |       |       |        |        |
|---|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
|   | 1            | 1¼    | 1½    | 2     | 2½    | 3     | 4     | 5     | 6     | 8     | 10     | 12     |
| <b>B</b> Face-to-Face Flanged                       | 5½           | 6     | 6½    | 7     | 7½    | 8     | 9     | 10    | 10½   | 11½   | 13     | 14     |
| <b>H</b> Center of Port to Bottom of Valve          | 1⅞           | 2⅝    | 2⅜    | 2⅝    | 3⅛    | 3¼    | 4¼    | 5⅛    | 5⅛    | 6⅛    | 7⅝     | 9¾     |
| <b>J</b> Extreme Width of Body                      | 2½           | 3⅞    | 3     | 4     | 4¾    | 5½    | 6⅞    | 7½    | 7½    | 10    | 12     | 13½    |
| <b>L</b> Diameter of Sealant Stick                  | ¾            | ¾     | ¾     | ¾     | ¾     | ¾     | ⅝     | ⅝     | ⅝     | ⅝     | ⅝      | ⅝      |
| <b>FLANGE DATA</b>                                  |              |       |       |       |       |       |       |       |       |       |        |        |
| <b>C</b> Diameter of Flanges                        | 4¼           | 4⅝    | 5     | 6     | 7     | 7½    | 9     | 10    | 11    | 13½   | 16     | 19     |
| <b>D</b> Thickness of Flanges                       | 7/16         | ½     | 9/16  | 5/8   | 11/16 | ¾     | 15/16 | 15/16 | 1     | 1⅛    | 13/16  | 1¼     |
| <b>E</b> No. and Size of Bolts                      | 4-½          | 4-½   | 4-½   | 4-5/8 | 4-5/8 | 4-5/8 | 8-5/8 | 8-3/4 | 8-3/4 | 8-3/4 | 12-7/8 | 12-7/8 |
| <b>F</b> Diameter of Bolt Circle                    | 3⅞           | 3½    | 3⅞    | 4¾    | 5½    | 6     | 7½    | 8½    | 9½    | 11¾   | 14¼    | 17     |
| <b>STEM DATA</b>                                    |              |       |       |       |       |       |       |       |       |       |        |        |
| <b>G</b> Center of Port to Top of Stem              | 3⅝           | 3⅞    | 3⅝    | 3⅞    | 5     | 5¼    | 6⅝    | 7½    | 7½    | 8½    | 10¾    | 13¼    |
| <b>K</b> Clearance to Remove Lubricant Screw        | 5⅞           | 6⅞    | 5¾    | 6⅞    | 7¼    | 7½    | 10⅞   | 10⅞   | 10⅞   | 11⅞   | 14⅞    | 16⅝    |
| <b>M</b> Width of Square of Stem                    | 15/16        | 15/16 | 15/16 | 15/16 | 1¼    | 1¼    | 1¾    | 1¾    | 1¾    | 1¾    | 1¾     | 2      |
| <b>N</b> Height of Square of Stem                   | 1⅜           | 1⅞    | 1⅞    | 1 ⅞   | 1⅜    | 1⅜    | 1⅞    | 1⅞    | 1⅞    | 1⅞    | 2⅞     | 2⅞     |
| Wrench  | A            | A     | A     | A     | C     | C     | F     | H-24  | H-24  | H-30  | H-36   | K-36   |
| Wt. (lb.)   | 6            | 10    | 10    | 20    | 28    | 38    | 66    | 87    | 96    | 158   | 248    | 387    |
| <b>WORM GEAR-OPERATED</b>                           |              |       |       |       |       |       |       |       |       |       |        |        |
| <b>K</b> Clearance to Remove Lubricant Screw        |              |       |       |       |       |       |       | 13    | 13    | 14    | 16¼    | 18¾    |
| <b>R</b> Center of Port to Handwheel Face           |              |       |       |       |       |       |       | 11    | 11    | 11    | 12¼    | 12¾    |
| <b>S</b> Center of Port to Center of WGA Shaft      |              |       |       |       |       |       |       | 7     | 7     | 7½    | 10¾    | 13¾    |
| <b>T</b> Center of Plug Stem to Center of WGA Shaft |              |       |       |       |       |       |       | 2⅞    | 2⅞    | 2⅞    | 3⅞     | 4⅞     |
| <b>W</b> Diameter of WGA Handwheel                  |              |       |       |       |       |       |       | 12    | 12    | 12    | 16     | 16     |

Flanges are drilled to ANSI B.16.1 Class 125 Cast Iron Flange Standard unless otherwise specified. No deduction for valves faced only. Bolt holes are drilled 1/8" larger than bolts.