

## MODELS 7160 END CAP 7160P END CAP WITH PLUG 7160H DOMED END CAP

**Shurjoint** grooved-end fittings are made of ductile iron per ASTM A536 Gr. 65-45-12 and or ASTM A395 Gr. 65-45-15. C-E dimensions are manufacturer's standard.

**Shurjoint** standard fitting pressure ratings conform to the ratings of Model 7707 couplings.



Model 7160



Model 7160P

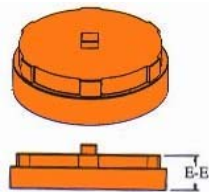


Model 7160H

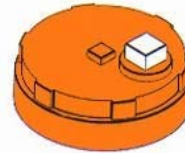


For Fire Protection pressure rating, listing, and approval information, refer to Data Sheet B-42 or visit **SHURJOINT** website, [www.shurjoint.com](http://www.shurjoint.com) for details or contact your **SHURJOINT** Representative.

## MODELS 7160 END CAP 7160P END CAP WITH PLUG



1"~12"



Full warranty terms can be found on [www.shurjoint.com](http://www.shurjoint.com)

**Models 7160 End Cap / 7160P End Cap with Plug**

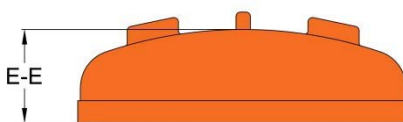
| Nominal<br>Pipe Size | Pipe<br>O.D.   | 7160<br>End Cap | 7160P<br>Plug Size |
|----------------------|----------------|-----------------|--------------------|
| in<br>mm             | in<br>mm       | E-E<br>in / mm  | Lbs<br>Kgs         |
| 1<br>25              | 1.315<br>33.4  | 0.87<br>22      | 0.2<br>0.1         |
| 1¼<br>32             | 1.660<br>42.2  | 1.00<br>25      | 0.3<br>0.2         |
| 1½<br>40             | 1.900<br>48.3  | 1.00<br>25      | 0.4<br>0.2         |
| 2<br>50              | 2.375<br>60.3  | 1.00<br>25      | 0.7<br>0.3         |
| 2½<br>65             | 2.875<br>73.0  | 1.00<br>25      | 0.9<br>0.4         |
| 76.1 mm              | 3.000<br>76.1  | 1.00<br>25      | 0.9<br>0.4         |
| 3<br>80              | 3.500<br>88.9  | 1.00<br>25      | 1.5<br>0.7         |
| 108.0 mm             | 4.250<br>108.0 | 1.00<br>25      | 2.4<br>1.1         |
| 4<br>100             | 4.500<br>114.3 | 1.00<br>25      | 2.2<br>1.0         |
| 133.0 mm             | 5.250<br>133.0 | 1.00<br>25      | 3.7<br>1.7         |
| 139.7 mm             | 5.500<br>139.7 | 1.00<br>25      | 3.7<br>1.7         |
| 5<br>125             | 5.563<br>141.3 | 1.00<br>25      | 3.7<br>1.7         |

**Models 7160 End Cap / 7160P End Cap with Plug**

| Nominal<br>Pipe Size | Pipe<br>O.D.    | 7160<br>End Cap | 7160P<br>Plug Size |
|----------------------|-----------------|-----------------|--------------------|
| in<br>mm             | in<br>mm        | E-E<br>in / mm  | in<br>mm           |
| 159.0 mm             | 6.250<br>159.0  | 1.00<br>25      | 5.1<br>2.3         |
| 165.1 mm             | 6.500<br>165.1  | 1.00<br>25      | 6.0<br>2.7         |
| 6<br>150             | 6.625<br>168.3  | 1.00<br>25      | 6.0<br>2.7         |
| 8<br>200             | 8.625<br>219.1  | 1.18<br>30      | 10.1<br>4.6        |
| 10<br>250            | 10.750<br>273.0 | 1.25<br>32      | 15.4<br>7.0        |
| 12<br>300            | 12.750<br>323.9 | 1.25<br>32      | 22.0<br>10.0       |
| 200 JIS              | 8.516<br>216.3  | 1.18<br>30      | 10.1<br>4.6        |
| 250 JIS              | 10.528<br>267.4 | 1.25<br>32      | 15.4<br>7.0        |
| 300 JIS              | 12.539<br>318.5 | 1.25<br>32      | 22.0<br>10.0       |

**MODEL 7160H DOMED END CAP**

**Shurjoint** 7160H end caps are cast of ductile iron and are designed to withstand pressure evenly over the entire spherical surface. The Model 7160H End Cap is designed for use on 10" ~ 24" mechanical piping applications.



10"~24"

**Model 7160H Domed End Cap**

| Nominal<br>Pipe Size | Pipe<br>O.D.    | #7160H<br>Domed End Cap | Lbs           |
|----------------------|-----------------|-------------------------|---------------|
| in<br>mm             | in<br>mm        | E-E<br>in / mm          | Kgs           |
| 10<br>250            | 10.750<br>273.0 | 3.00<br>76.1            | 12.1<br>5.5   |
| 12<br>300            | 12.750<br>323.9 | 3.00<br>76.1            | 16.3<br>7.4   |
| 14<br>350            | 14.000<br>355.6 | 4.00<br>102.0           | 26.4<br>12.0  |
| 16<br>400            | 16.000<br>406.4 | 4.00<br>102.0           | 32.0<br>14.5  |
| 18<br>450            | 18.000<br>457.2 | 5.00<br>127.0           | 39.2<br>17.8  |
| 20<br>500            | 20.000<br>508.0 | 6.00<br>152.0           | 53.9<br>24.5  |
| 24<br>600            | 24.000<br>609.6 | 6.00<br>152.0           | 75.9<br>34.5  |
| 28<br>700            | 28.000<br>711.2 | 10.50<br>266.6          | 125.1<br>56.8 |

**MATERIAL SPECIFICATIONS**
**• Fitting body:**

Ductile Iron to ASTM A536, Gr. 65-45-12 and or ASTM A395, Gr. 65-45-15, min. tensile strength 65,000 psi (448 MPa).

Wrought fittings to ASTM A234 Gr. WPB, standard weight (0.375" or 9.5 mm), or segmentally welded carbon steel of the same or equivalent grade.

**• Surface Finish:**

Orange color painted or red RAL3000 color painted.

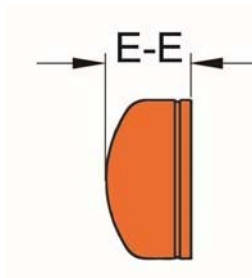
- ☐ Hotdip galvanized (Option)
- ☐ Epoxy coated in red RAL3000 or other colors. (Option)

## WROUGHT STEEL GROOVED END FITTINGS

### MODEL W160 CAP

Material: ASTM A234 GR. WPB, standard weight (0.375" or 9.5 mm),  
or carbon steel of the same or equivalent grade.

E-E dimensions conform to ANSIB16.9



| Model W160 Cap    |           |          |        |                   |           |          |        |
|-------------------|-----------|----------|--------|-------------------|-----------|----------|--------|
| Nominal Pipe Size | Pipe O.D. | W160 Cap |        | Nominal Pipe Size | Pipe O.D. | W160 Cap |        |
|                   |           | E-E      | Weight |                   |           | E-E      | Weight |
| in                | in        | in       | Lbs    | in                | in        | in       | Lbs    |
| mm                | mm        | mm       | Kgs    | mm                | mm        | mm       | Kgs    |
| 14                | 14.000    | 6.50     | 35.0   | 28                | 28.000    | 10.50    | 26.9   |
| 350               | 355.6     | 165.0    | 15.9   | 700               | 711.0     | 267.0    | 59.3   |
| 16                | 16.000    | 7.00     | 44.0   | 30                | 30.000    | 10.50    | 29.6   |
| 400               | 406.4     | 178.0    | 20.0   | 750               | 762.0     | 267.0    | 65.2   |
| 18                | 18.000    | 8.00     | 56.1   | 32                | 32.000    | 10.50    | 32.3   |
| 450               | 457.2     | 203.0    | 25.5   | 800               | 812.8     | 267.0    | 71.3   |
| 20                | 20.000    | 9.00     | 70.0   | 34                | 34.000    | 10.50    | 35.2   |
| 500               | 508.0     | 229.0    | 31.8   | 850               | 863.6     | 267.0    | 77.7   |
| 22                | 22.000    | 10.00    | 85.4   | 36                | 36.000    | 10.50    | 38.2   |
| 550               | 558.8     | 254.0    | 38.8   | 900               | 914.4     | 267.0    | 84.2   |
| 24                | 24.000    | 10.50    | 99.2   | 40                | 40.000    | 12.00    | 47.8   |
| 600               | 609.6     | 267.0    | 45.1   | 1000              | 1016.0    | 304.8    | 105.4  |
| 26                | 26.000    | 10.50    | 24.3   | 42                | 42.000    | 12.00    | 51.2   |
| 650               | 660.4     | 267.0    | 53.5   | 1050              | 1066.8    | 304.8    | 113.0  |

General Notes:

- **Pressure Ratings** for fittings conform to the working pressure of the coupling used to join the system.
- **Listed and or Approved Pressures** are pressure ratings for fire protection systems, tested and approved by various approval bodies. Please always refer to the latest approval data posted on the **Shurjoint** website.
- **Field Joint Test:** For one time only the system may be tested hydrostatically at 1½ times the maximum working pressure listed (AWWA C606 5.2.3).
- **Warning:** Piping systems must always be depressurized and drained before attempting disassembly and or removal of any components.
- **The 10 Year Limited Warranty** applies to manufacturing defects only and does not cover severe service/temperature applications or wear parts.
- **Shurjoint** reserves the right to change specifications, designs and or standard without notice and without incurring any obligations.