

**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

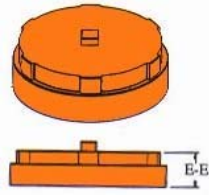


Model 7160H

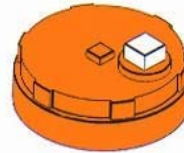


For Fire Protection pressure rating, listing, and approval information, refer to Data Sheet B-42 or visit **SHURJOINT** website, [www.shurjoint.com](http://www.shurjoint.com) for details or contact your **SHURJOINT** Representative.

**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**

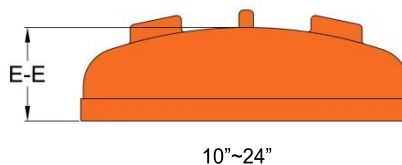
Nominal Pipe Size	Pipe O.D.	7160 End Cap		7160P Plug Size
		E-E	Lbs	
in mm	in mm	in / mm	Kgs	in mm
1 25	1.315 33.4	0.87 22	0.2 0.1	---
1¼ 32	1.660 42.2	1.00 25	0.3 0.2	---
1½ 40	1.900 48.3	1.00 25	0.4 0.2	---
2 50	2.375 60.3	1.00 25	0.7 0.3	½ 15
2½ 65	2.875 73.0	1.00 25	0.9 0.4	½ 15
76.1 mm	3.000 76.1	1.00 25	0.9 0.4	½ 15
3 80	3.500 88.9	1.00 25	1.5 0.7	½ 15
108.0 mm	4.250 108.0	1.00 25	2.4 1.1	---
4 100	4.500 114.3	1.00 25	2.2 1.0	1 25
133.0 mm	5.250 133.0	1.00 25	3.7 1.7	---
139.7 mm	5.500 139.7	1.00 25	3.7 1.7	1 25
5 125	5.563 141.3	1.00 25	3.7 1.7	1 25

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

Nominal Pipe Size	Pipe O.D.	7160 End Cap		7160P Plug Size
		E-E	Lbs	in
in mm	in mm	in / mm	Kgs	mm
159.0 mm	6.250 159.0	1.00 25	5.1 2.3	---
165.1 mm	6.500 165.1	1.00 25	6.0 2.7	1 25
6 150	6.625 168.3	1.00 25	6.0 2.7	1 25
8 200	8.625 219.1	1.18 30	10.1 4.6	1½ 40
10 250	10.750 273.0	1.25 32	15.4 7.0	1½ 40
12 300	12.750 323.9	1.25 32	22.0 10.0	1½ 40
200 JIS	8.516 216.3	1.18 30	10.1 4.6	---
250 JIS	10.528 267.4	1.25 32	15.4 7.0	---
300 JIS	12.539 318.5	1.25 32	22.0 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.


**Model 7160H Domed End Cap**

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

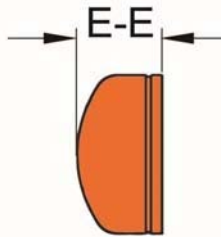
- Hot dip galvanized (Option)
- Epoxy coated in red RAL3000 or other colors. (Option)

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