

## Sock-it Piping Method Fittings Fig. 7100



The Gruvlok Sock-it Piping Method provides a quick, secure and reliable method of joining plain-end steel pipe. Several Sock-it configurations are available: tees with NPT outlets, reducing run tees with NPT outlets, straight couplings, 90 elbows, straight tees and reducing elbows. Pressure energized elastomeric gaskets provide the Sock-it with a leak tight seal. Specially designed lock bolts secure the pipe in the Sock-it Fitting, providing a fast, dependable way of joining small diameter plain-end pipe.

Working pressure ratings shown are for reference only and are based on schedule 40 pipe. For the latest UL/ULC Listed and FM approved pressure ratings versus pipe schedule see [www.asc-es.com](http://www.asc-es.com) or contact your local ASC Engineered Solutions™ Sales Representative.

For Listings/Approval Details and Limitations, visit our website at [www.asc-es.com](http://www.asc-es.com) or contact an ASC Engineered Solutions Sales Representative.

**NOTE:** All Sock-it fittings are UL/ULC Listed and FM Approved for 175 psi working pressure when used to join XL Pipe and Dyna-Flow Pipe.

## Material Specifications

### Housing

Cast iron ASTM A 126 CLASS A

### Bolts

Case hardened carbon steel, dichromate finish.

### Gaskets

EPDM, as specified in accordance with ASTM D2000

### Fitting Size

Nominal Size	O.D.
In./DN(mm)	In./mm
1/2	0.840
15	21.3
3/4	1.050
20	26.7
1	1.315
25	33.7
1 1/4	1.660
32	42.4
1 1/2	1.900
40	48.3
2	2.375
50	60.3
2 1/2	2.875
65	73.0

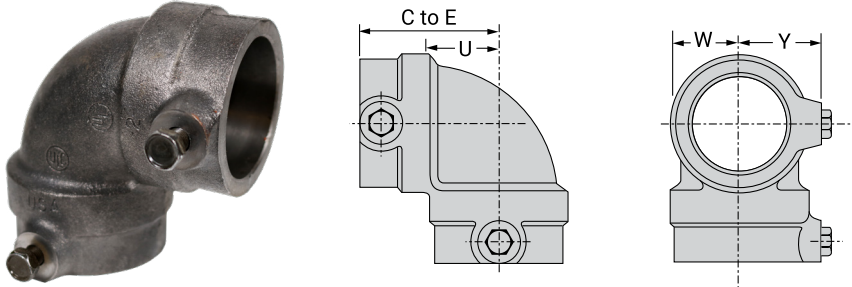
### Note:

The Fitting Size Chart is used to determine the O.D. of the pipe that the fittings is to be used with. Gruvlok Fittings are identified by either the Nominal size in inches or the Pipe O.D. in mm.



PROJECT INFORMATION	APPROVAL STAMP
Project:	Approved
Address:	Approved as noted
Contractor:	Not approved
Engineer:	Remarks:
Submittal Date:	
Notes 1:	
Notes 2:	

## 90° Elbow (Sock-it x Sock-it) Fig. 7100



Nominal Size	O.D.	Max. Working Pressure		Dimensions				Approx. Wt. Ea.
		UL/ULC Listed	FM Approved	Center to End	U*	W	Y	
In./DN(mm)	In./mm	PSI/bar	PSI/bar	In./mm	In./mm	In./mm	In./mm	Lbs./kg
1 25	1.315 33.7	300 20.7	300 20.7	2 <sup>5</sup> / <sub>16</sub> 59	7/ <sub>8</sub> 22	1 1/ <sub>16</sub> 27	1 <sup>3</sup> / <sub>4</sub> 44	1.9 0.9
1 <sup>1</sup> / <sub>4</sub> 32	1.660 42.4	300 20.7	300 20.7	2 <sup>7</sup> / <sub>16</sub> 62	1 25	1 <sup>1</sup> / <sub>4</sub> 32	1 <sup>13</sup> / <sub>16</sub> 46	2.3 1.0
1 <sup>1</sup> / <sub>2</sub> 40	1.900 48.3	300 20.7	300 20.7	2 <sup>5</sup> / <sub>8</sub> 67	1 <sup>1</sup> / <sub>8</sub> 29	1 <sup>3</sup> / <sub>8</sub> 35	1 <sup>15</sup> / <sub>16</sub> 49	2.7 1.2
2 50	2.375 60.3	175 12.1	250 17.2	3 <sup>1</sup> / <sub>4</sub> 83	1 <sup>9</sup> / <sub>16</sub> 40	1 <sup>5</sup> / <sub>8</sub> 41	2 <sup>3</sup> / <sub>16</sub> 56	4.0 1.8

**Note:**

\* "U" - Run take-out dimension.



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## Fig. 7100 Gruvlok Sock-it Fitting



Read and understand all instructions before use.

### WARNING

Ensure system is drained and depressurized before installation or service.

Use appropriate personal protective equipment.



Failure to follow these instructions could result in serious personal injury and/or property damage.

### 1 Pipe Preparation

Pipe surface shall be cleaned at least 1" from the end of the pipe to remove any coating, indentations, projections, and sharp edges which could affect proper gasket sealing. As a guide for installation, mark the pipe at a distance of 1½" from the end for 1", 1¼", and 1½" size fittings and 1¾" for the 2" & 2½" size fittings.

**NOTE:** When Allied XL pipe is used it is necessary only to remove sharp edges and burrs at the end of the pipe. No additional cleaning is required.

### 2 Check Bolts

Check all lock bolts to be sure they do not extend into the I.D. of the Sock-it Fittings as this would prevent proper insertion of the pipe.

### 3 Lubricate Gaskets

Apply a light coating of GRUVLOK Lubricant to the gaskets located in each end of the Sock-it Fitting. Also apply a light coating of lubricant to the pipe ends to further ease insertion of the pipe into the Sock-it Fitting.

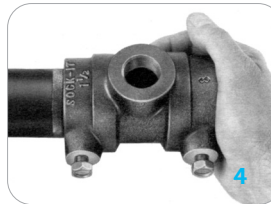
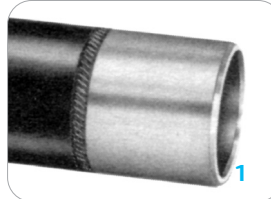
**NOTE:** Use only Gruvlok Lubricants. Other lubricants may affect gasket performance.

### 4 Insert Pipe & Tighten Bolts

Insert the prepped and lubricated pipe end into the Sock-it Fitting until the pipe end makes contact with the internal pipe stop. A slight twist while pushing fitting and pipe together will ease the required insertion force. The end of the Sock-it Fitting should be within ⅛" from the edge of the marking on the pipe. (See Step 1). Rotate the fitting until the desired position is obtained. Tighten the lock bolt until the bolt head bottoms against the threaded boss. (NOTE: The 2½" Sock-it fitting has 2 locking bolts for each pipe end.)

Install the other prepped and lubricated pipe end into the Sock-it fitting in the same manner.

**CAUTION:** Do NOT hammer fitting on.

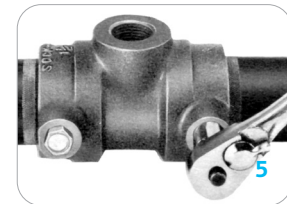


### 5 Assembly is Complete

Sock-it Fittings may be removed by loosening the lock bolts. Reinstallation may be accomplished as described in Steps 1-4.

**WARNING:** System pressure must be relieved and vented, and the system drained of fluid prior to loosening the lock bolts to remove or reposition the Sock-it Fitting.

Bolt end must be inspected to assure bolts ability to cut into pipe. Replace bolts in cases where bolt end sharpness has been comprised.



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