

## Gruvlok Short Pattern 90° Elbow Fig. 7450



### Material Specifications

#### Cast Fittings

Ductile Iron conforming to ASTM A536

#### Coatings

Rust inhibiting paint - Color: ORANGE (Standard) or

Hot Dipped Zinc Galvanized conforming to ASTM A153 (Optional)

Other available options - Example: RAL3000 or RAL9000 Series

The Gruvlok® short pattern fitting system incorporates 90° elbows and tees in 2" to 8" size range with a 500 psi pressure rating. Can be used with standard Gruvlok groove x flange adapters.

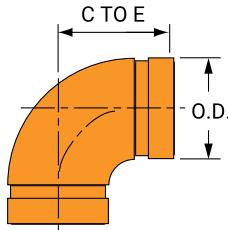
Gruvlok fittings are cast from ASTM A536 Ductile Iron to Grade 65-45-12.

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.



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

## Gruvlok Short Pattern 90° Elbow Fig. 7450



Nominal Size	O.D.	Center to End	Approx. Wt. Ea.
In./DN(mm)	In./mm	In./mm	Lbs./kg
2	2.375	2 <sup>3</sup> / <sub>4</sub>	1.7
50	60.3	70	0.8
2 <sup>1</sup> / <sub>2</sub>	2.875	3	2.6
65	73.0	76	1.2
3	3.500	3 <sup>3</sup> / <sub>8</sub>	3.5
80	88.9	86	1.6
4	4.500	4	6.5
100	114.3	102	3.0
6	6.625	5 <sup>1</sup> / <sub>2</sub>	14.8
150	168.3	140	6.7
8	8.625	6 <sup>7</sup> / <sub>8</sub>	25.6
200	219.1	175	11.6

**Note:**

Additional sizes available, see Gruvlok Catalog or contact an ASC Engineered Solutions Representative.

### Flow Data - Frictional Resistance (Expressed as Equivalent Straight Pipe)

Nominal Size	O.D.	Pipe Wall Thickness	Ft. of Pipe
In./DN (mm)	In./mm	In./mm	Ft./m
2	2.375	0.154	3.5
50	60.3	3.9	1.1
2.5	2.875	0.203	3.75
65	73.0	5.2	1.1
3	3.500	0.216	5.5
80	88.9	5.5	1.7
4	4.500	0.237	7.8
100	114.3	6.0	2.4
6	6.625	0.28	11.8
150	168.3	71	3.6
8	8.625	0.322	14
200	219.1	8.2	4.3

**Note:**

Above values are shown for Schedule 40 pipe to be consistent with industry practices.