ASC Engineered Solutions

Gruvlok Short Pattern 90° Elbow
Fig. 7450

LEAD FREE
NSF/ANSI/CAN 61

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 12" size range with a 500 psi pressure rating. Can be used with standard Gruvlok groove x flange adapters.
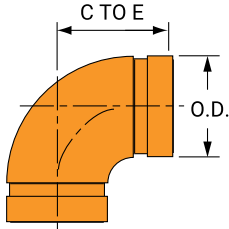
Gruvlok fittings are cast from ASTM A536 Ductile Iron to Grade 65–45–12.

For Listings / Approval Details and Limitations, visit our website at www.asc–es.com or contact an ASC Engineered Solutions™ Sales Representative.

GRUVLOK
An ASC Engineered Solution

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

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Nominal Size	O.D.	Center to End	Approx. Wt. Ea.
In./DN(mm)	In./mm	In./mm	Lbs./kg
2	2.375	2¾	1.7
50	60.3	70	0.8
2½	2.875	3	2.6
65	73.0	76	1.2
3	3.500	3⅜	3.5
80	88.9	86	1.6
4	4.500	4	6.5
100	114.3	102	3.0
6	6.625	5½	14.8
150	168.3	140	6.7
8	8.625	6⅞	25.6
200	219.1	175	11.6
10	10.750	8¼	43.8
250	273.1	210	19.9
12	12.750	9½	62.5
300	323.9	241	28.3

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
10	10.750	0.365	16.7
250	273.1	9.3	5.1
12	12.750	0.375	20
300	323.90	9.5	6.1

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

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Building connections that last™