GROOVED SHORT RADIUS ELBOWS & TEES

Models 202, 302





ARGCO short radius fittings, while primarily designed for fire protection applications, can also be used for general service requirements

Available Sizes
- 2" through 8"

Pipe Material
- Carbon steel, Schedule 10, Schedule 40.
  For use with alternative materials and wall thicknesses please contact ARGCO.

Maximum Working Pressure
- Up to 300 psi/20 bar

Function
- Joins carbon steel pipe.
- Provides a rigid pipe joint designed to restrict axial or angular movement.

CERTIFICATIONS/LISTINGS
Underwriters Laboratories, Underwriters Laboratories Canada, Factory Mutual.

SPECIFICATIONS - MATERIAL
Housing Sections: Ductile Iron conforming to ASTM A 536, Grade 65-45-12.

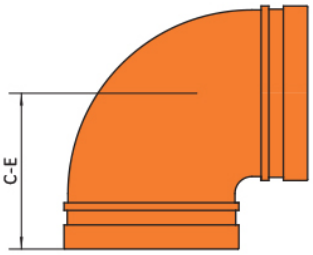
Housing Coating:
Standard: Orange Enamel
Available: Hot Dipped Galvanized

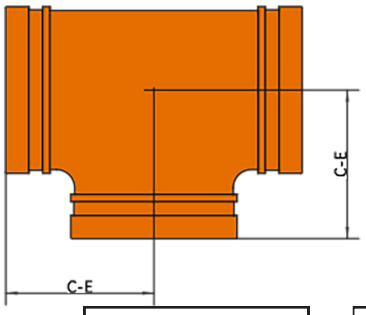
System No.		Location		Spec Section		Paragraph	
Submitted By		Date		Approved		Date	

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GROOVED SHORT RADIUS ELBOWS & TEES

Models 202, 302





			Model 301 90° Elbow Short			Model 302 Tee Short	
Nominal Size in/mm	Pipe O.D. in/mm	Max Working Pressure psi/Bar	Item #	C-E inches mm		Item #	C-E inches mm
2"	2.375	300	7010032	2.76		7010085	2.76
50	60.3	20		70			70
2-1/2"	2.875	300	7010033	2.99		7010086	2.99
65	73	20		76			76
3"	3.5	300	7010034	3.35		7010087	3.35
80	88.9	20		85			85
4"	4.25	300	7010035	4.02		7010088	4.02
100	108	20		102			102
5"	5.25	300	7010036	4.76		7010089	4.76
125	133	20		121			121
6"	6.25	300	7010037	5.12		7010090	5.12
150	159	20		130			130
8"	8.625	300	7010038	6.89		7010091	6.89
200	219.1	20		175			175

- Working Pressure and End Load are total, from all internal and external loads, based on standard weight (ANSI) steel pipe, standard roll or cut grooved in accordance with ARGCO specifications.

User Responsibility for Product Selection and Suitability
Each user bears final responsibility for making a determination as to the suitability of ARGCO products for a particular end-use application, in accordance with industry standards and project specifications, and the applicable building codes and related regulations as well as ARGCO performance, maintenance, safety, and warning instructions. Nothing in this or any other document, nor any verbal recommendation, advice, or opinion from any ARGCO employee, shall be deemed to alter, vary, supersede, or waive any provision of Allied Rubber and Gasket Company's standard conditions of sale, installation guide, or this disclaimer.

Note
All products to be installed in accordance with current ARGCO installation/assembly instructions. ARGCO reserves the right to change product specifications, designs and standard equipment without notice and without incurring obligations.

Installation
Reference should always be made to the ARGCO installation instructions of the product you are installing.

Warranty
Refer to the Warranty section of the current Price List or contact ARGCO for details.

VIZA.EX26460
Fittings, Grooved and Plain End

Page Bottom

Fittings, Grooved and Plain End

See General Information for Fittings, Grooved and Plain End

ALLIED RUBBER & GASKET CO INC, DBA ARGCO EX26460
5400 S 66th St
Fort Smith, AR 72903 USA

The following fittings are intended for use with Allied Rubber & Gasket Co Inc, DBA ARGCO (EX26459) Listed rubber gasketed fittings.

Grooved end

Model	Nom Pipe Size	Groove Type	Pipe Schedule	Working Pressure, kPa
201	2", 2 -1/2", 76.1 mm, 3", 4", 139.7 mm, 5", 165 mm, 6", 8"	N/A	N/A	2070
201+	1", 1-1/4", 1-1/2"	N/A	N/A	2070
202	2", 2-1/2", 76.1 mm, 3", 4", 139.7 mm, 5", 165 mm, 6", 8", 10", 12"	N/A	N/A	2070
203	1-1/2 x 1/2, 3/4, 1; 2 x 1/2, 3/4, 1	N/A	N/A	2070
204	2 x 1, 2-1/2 x 1, 3 x 1, 4 x 1, 5 x 1, 6 x 1	N/A	N/A	2070
205	2", 2-1/2", 76.1 mm, 3", 4", 139.7 mm, 5", 165 mm, 6", 8", 10", 12"	N/A	N/A	2070
205+	1", 1-1/4", 1-1/2"	N/A	N/A	2070
206	2, 2-1/2, 3 OD (76.1 mm), 3, 4, 5-1/2 OD (139.7 mm), 5, 6-1/2OD (165.1 mm), 6, 8	N/A	N/A	2070
207	2, 2-1/2, 3 OD (76.1 mm), 3, 4, 5-1/2 OD (139.7 mm), 5, 6-1/2 OD (165.1 mm), 6, 8	N/A	N/A	2070
208	2, 2-1/2, 3 OD (76.1 mm), 3, 4, 5-1/2 OD (139.7 mm), 5, 6-1/2 OD (165.1 mm), 6, 8	N/A	N/A	2070
301	1", 1-1/4", 1-1/2", 2", 2-1/2", 76.1 mm, 3", 4", 139.7 mm, 5", 165 mm, 6", 8"	N/A	N/A	2070
302	2", 2-1/2", 76.1 mm, 3", 4", 139.7 mm, 5", 165 mm, 6", 8", 10", 12"	N/A	N/A	2070
303	1-1/2" x 1-1/4", 2" x 1-1/4", 2" x 1-1/2", 2-1/2" x 1-1/4", 2-1/2" x 1-1/2", 2-1/2" x 2",	N/A	N/A	2070

Pipe Fittings

These fittings are suitable for interconnecting piping, valves and other components in both wet and dry automatic sprinkler systems. Installation should be according to applicable sprinkler system fabrication rules. These rules limit the minimum size of sprinkler piping to 1 in., nominal. FM Approved pipe fittings of smaller sizes are intended for use as valve trim, gauge connections, and for other peripheral service. The water flow path of the sprinkler system cannot be designed using smaller sizes than 1 in., nominal. Unless otherwise noted in the listing, these fittings have 175 psi (1205 kPa) rated working pressure.

Threaded connections on fittings can be made to FM Approved threadable thinwall pipe or to Schedule 40 pipe. Refer to the "Steel Pipe" listings for a summary of the various types of FM Approved steel pipe suitable for threading or grooving."

The fittings manufacturer's installation instructions must be observed in all cases. When connections are made to FM Approved pipe, the pipe manufacturer's installation instructions must also be followed.

Unless otherwise stated below, the maximum ambient temperature to which these fittings should be subjected is 225°F (107°C).

Pipe Fittings

Allied Rubber, Pipe Fittings

Product Designation	*Fitting Description*	*Nominal Pipe Size, in./ mm*	*Rated Working Pressure, psi (kPa)*	*Remarks*
002	Short Radius 90° Elbow	1-1/4, 1-1/2, 2, 2-1/2, 3, 4, 5, 6, 8 45, 57, 76, 108, 133, 140, 159, 165 mm	300 (2070)	–
002L	90° Elbow	1, 1-1/4, 1-1/2, 2, 2-1/2, 3, 4, 5, 6, 8, 10, 12 76, 108, 133, 140, 159, 165 mm	300 (2070)	–
002D	90° Drain Elbow	1-1/2, 2, 2-1/2, 3, 4, 5, 6, 8 76, 108, 133, 140, 159, 165 mm	300 (2070)	–
003	45° Elbow	1, 1-1/4, 1-1/2, 2, 2-1/2, 3, 4, 5, 6, 8, 10, 12 57, 76, 108, 133, 140, 159, 165 mm	300 (2070)	–
0031	22.5° Elbow	1-1/4, 1-1/2, 2, 2-1/2, 3, 4, 5, 6, 8 45, 57, 76, 108, 133, 140, 159, 165 mm	300 (2070)	–
004	Short Radius Equal Tee	1-1/4, 1-1/2, 2, 2-1/2, 3, 4, 5, 6, 8 76, 108, 133, 140, 159, 165 mm	300 (2070)	–
004L	Long Radius Equal Tee	1, 1-1/4, 1-1/2, 2, 2-1/2, 3, 4, 5, 6, 8, 10, 12 76, 108, 133, 140, 159, 165 mm	300 (2070)	–
005	Cap Grooved	1, 1-1/4, 1-1/2, 2, 2-1/2, 3, 4, 5, 6 57, 76, 108, 133, 140, 159, 165 mm	300 (2070)	–

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