GROOVED CONCENTRIC REDUCER
MODEL 701 (Galvanized)



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
- Used when the flow has to be limited or expanded in a piping system

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: Hot Dipped Galvanized
Available: Orange Enamel

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.

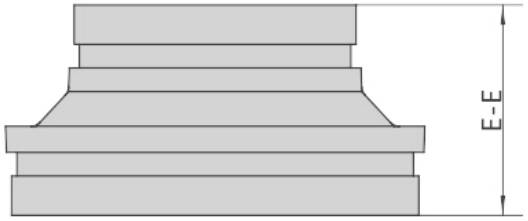
Note
All products to be installed in accordance with current ARGCO installation/assembly instructions. ARGCO reserves the right to change product specifications, designs and standard equipment without notice and without incurring obligations.

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.

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

GROOVED CONCENTRIC REDUCER
MODEL 701



Item #	Nominal Size in/mm	Pipe O.D. in/mm	E-E in/mm
7012150	1-1/2" x 1-1/4" 40 x 32	1.9" x 1.669" 48.3 x 42.4	2.52 64
7012151	2" x 1" 50 x 25.4	2.375" x 1.327 2.375 x 33.7	2.52 64
7012152	2" x 1-1/4" 50 x 32	60.3 x 42.4 2.375" x 1.669"	2.52 64
7012153	2" x 1-1/2" 50 x 40	60.3 x 42.4 2.375"x 1.9"	2.52 64
7012154	2-1/2" x 1-1/4" 65 x 32	60.3 x 48.3 2.875" x 1.669"	2.52 64
7012155	2-1/2" x 1-1/2" 65 x 40	73 x 42.4 2.875" x 1.9"	2.52 64
7012156	2-1/2" x 2" 65 x 50	73 x 48.3 2.875" x 2.375"	2.52 64
7012157	3" x 1-1/4" 80 x 32	73 60.3 3.5" x 1.669"	2.52 64
7012158	3" x 1-1/2" 80 x 40	88.9 x 42.4 3.5" x 88.9 x	2.52 64
7012159	3" x 2" 80 x 50	48.3 3.5" x 2.375"	2.52 64
7012160	3" x 2-1/2" 80 x 65	88.9 x 60.3 3.5 x 2.875"	2.52 64
7012161	4" x 2" 100 x 50	88.9 x 73 4.5" x 2.375"	2.99 76
7012162	4" x 2-1/2" 100 x 65	114.3 x 60.3 4.5" x 2.875"	2.99 76
7012163	4" x 3" 100 x 80	114.3 x 73 4.5" x 3.5"	2.99 76

Item #	Nominal Size in/mm	Pipe O.D. in/mm	E-E in/mm
7012164	5" x 2" 125 x 50	5.25" x 2.375" 133 x 60.3	3.35 85
7012165	5" x 3" 125 x 80	5.5" x 3.5" 139.7 x 88.9	3.35 85
7012166	5" x 4" 125 x 100	5.5" x 4.25" 139.7 x 108	3.35 85
7012167	6" x 2" 150 x 50	6.25 x 2.375 159 x 60.3	3.35 85
7012167B	6" x 2-1/2" 150 x 65	6.25 x 2.875 159 x 73	3.35 85
7012168	6" x 3" 150 x 80	6.25" x 4.25" 159 x 88.9	3.35 85
7012169	6" x 4" 150 x 100	6.25" x 5.5" 159 x 139.7	3.35 85
7012170	6" x 5" 150 x 125	8.625 x 4.5 219.1 x 114.3	3.35 85
7012172	8" x 4" 200 x 100	8.625 x 5.5 219.1 x 139.7	3.35 85
7012173	8" x 5" 200 x 125	8.625 x 6.25 219.1 x 159	3.35 85
7012174	8" x 6" 200 x 150	10.75 x 6.25 273 x 159	3.35 85
7012176	10" x 6" 250 x 150	10.75 x 8.625 273 x 219.1	3.54 90
7012177	10" x 8" 250 x 200	12.75 x 6.25 323.9 x 159	3.54 90
7012179	12" x 6" 300 x 150	12.75 x 8.63 323.9 x 219.1	3.54 90
7012180	12" x 8" 300 x 200	12.75 x 6.25 323.9 x 273	3.54 90
7012181	12" x 10" 300 x 250	12.75 x 10.75 323.9 x 323.9	3.54 90

System No.		Location	
Submitted By		Date	

Spec Section		Paragraph	
Approved		Date	

ONLINE CERTIFICATIONS DIRECTORY

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	Type	Size In.	Rated Pressure (psig)
002L	90 std. elbow	1-1/4, 1-1/2, 2, 2-1/2, 3OD, 3, 4, 5-1/4OD, 5, 6-1/4OD, 6-1/2OD, 6, 8, 10, 12	300
002	90 short elbow	2, 2-1/2, 3OD, 3, 4, 6-1/2OD, 6, 8	300
002D	Drain elbow	1-1/2, 2, 2-1/2, 3, 4, 6-1/2OD, 6	300
006RT	Reducing elbow	1-1/4x1/2, 3/4, 1; 1-1/2x1/2, 3/4, 1; 2x1/2, 3/4, 1	300
003	45 elbow	1-1/4, 1-1/2, 2, 2-1/2, 3OD, 3, 4, 5-1/4OD, 5, 6-1/4OD, 6-1/2OD, 6, 8, 10, 12	300
0031	22.5 elbow	1-1/4, 1-1/2, 2, 2-1/2, 3OD, 3, 4, 5, 6-1/4OD, 6-1/2OD, 6, 8, 10, 12	300
004L	Std. tee	1-1/4, 1-1/2, 2, 2-1/2, 3OD, 3, 4, 5-1/4OD, 5, 6-1/4OD, 6-1/2OD, 6, 8, 10, 12	300
004	Short tee	2, 2-1/2, 3OD, 3, 4, 6-1/2OD, 6, 8	300
005	Cap	1-1/4, 1-1/2, 2, 2-1/2, 3OD, 3, 4, 5-1/4OD, 5, 6-1/4OD, 6-1/2OD, 6, 8, 10, 12	300
005-WH	End cap with hole	1-1/4, 1-1/2, 2, 2-1/2, 3OD, 3, 4, 5-1/2OD, 5, 6-1/2OD, 6, 8, 10, 12	300
008	Concentric reducer	1-1/2x1-1/4; 2x1-1/4, 1-1/2; 2-1/2x1-1/4, 1-1/2, 2; 3ODx1-1/4, 1-1/2, 2; 3x1-1/4, 1-1/2, 2, 2-1/2, 3OD; 4x1-1/4, 1-1/2, 2, 2-1/2, 3OD, 3; 5-1/4ODx1-1/4, 1-1/2, 2, 2-1/2, 3OD, 3, 4; 5-1/2OD x 1-1/4, 1-1/2, 2, 3OD, 3, 4, 5x1-1/4, 1-1/2, 2, 2-1/2, 3OD, 3, 4; 6-1/4ODx1-1/4, 1-1/2, 2, 2-1/2, 3OD, 3, 4-1/4OD, 4, 5-1/4OD, 5; 6-1/2ODx1-1/4, 1-1/2, 2, 2-1/2, 3OD, 3, 4, 5-1/4OD, 5; 6x1-1/4, 1-1/2, 2, 2-1/2, 3OD, 3, 4, 5-1/4OD, 5; 8x1-1/4, 1-1/2, 2, 2-1/2, 3OD, 3, 4, 5-1/4OD, 5, 6-1/4OD, 6-1/2OD, 610x4, 5-1/2OD, 5, 6-1/4OD, 6-1/2OD, 6, 12x4, 5-1/2OD, 5, 6-1/4OD, 6-1/2OD, 6, 8, 10	300
009	Concentric reducer, threaded	1-1/4x1/2, 3/4, 1; 1-1/2x1/2, 3/4, 1, 1-1/4; 2x1/2, 3/4, 1, 1-1/4, 1-1/2; 2-1/2x1/2, 3/4, 1, 1-1/4, 1-1/2, 2; 3ODx1/2, 3/4, 1, 1-1/4, 1-1/2, 2; 3x1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 3OD; 4x1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 3OD, 3; 5-1/4ODx1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 3OD, 3;	300

		5-1/2OD x 1, 1-1/4, 1-1/2, 2, 3OD, 3; 5x1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 3OD, 3; 6-1/4ODx1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 3OD, 3; 6-1/2ODx1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 3OD, 3; 6x1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 3OD, 3; 8x1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 3OD, 3	
011	Reducing tee	2x1-1/4, 1-1/2; 2-1/2x1-1/4, 1-1/2, 2; 3ODx1-1/4, 1-1/2, 2; 3x1-1/4, 1-1/2; 3x2, 2-1/2, 3OD; 4x1-1/4, 1-1/2, 2, 2-1/2, 3OD, 3; 5-1/4ODx1-1/4, 1-1/2; 5-1/4x2-1/2OD; 5-1/4ODx2, 2-1/2; 5-1/4ODx3OD; 5-1/4ODx3; 5-1/4ODx4; 5x1-1/4, 1-1/2, 2, 2-1/2, 3OD, 3; 5x4, 1-1/4, 1-1/2; 6-1/4ODx1-1/4, 1-1/2, 2, 2-1/2, 3OD, 3, 4-1/4OD, 4, 5-1/4OD, 5; 6-1/2ODx 2, 2-1/2, 3OD, 3, 4-1/4OD, 4, 5-1/4OD, 5; 6x1-1/4, 1-1/2, 2, 2-1/2, 3OD, 3, 4, 5-1/4OD, 5; 8x1-1/4, 1-1/2, 2, 2-1/2, 3OD, 3, 4, 5-1/4OD, 5, 6-1/4OD, 6-1/2OD, 6	300
011L	Reducing tee(G)	10x4, 5-1/4OD, 5-1/2OD, 5, 6-1/4OD, 6-1/2OD, 6, 8; 12 x 4, 5-1/4OD, 5-1/2OD, 5, 6-1/4OD, 6-1/2OD, 6, 8, 10	300
012	Reducing tee, threaded	1-1/4x1/2, 3/4, 1; 1-1/2x1/2, 3/4, 1, 1-1/4; 2x1/2, 3/4, 1, 1-1/4, 1-1/2; 2-1/2x1/2, 3/4, 1, 1-1/4, 1-1/2, 2; 3ODx1/2, 3/4, 1, 1-1/4 1-1/2, 2; 3x1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 3OD; 4x1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 3OD, 3; 5-1/4ODx1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 3OD, 3; 5x1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 3OD, 3; 6-1/4ODx1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 3OD, 3; 6-1/2ODx1/2, 3/4, 1/2, 1-1/4, 1-1/2, 2, 2-1/2, 3OD, 3; 6x1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 3OD, 3; 8x1/2, 3/4, 1, 1-1/4, 1-1/2; 8x2; 8x2-1/2, 3OD, 3	300
015	Flange adaptor nipple	1-1/4, 1-1/2, 2, 2-1/2, 3OD, 3, 4, 5-1/4OD, 5, 6-1/4OD, 6-1/2OD, 6, 8, 10, 12	300

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

Grooved Couplings or Fittings

Grooved couplings are used to join pipe and fittings in both wet and dry sprinkler systems. Unless otherwise noted, these couplings are intended to provide some flexibility in piping systems. Typical applications are in sprinkler risers, in feed mains passing through walls from one building area to another, in locations subject to earthquakes, in the discharge line from aboveground pump suction tanks, in new connections to existing feed mains and in air or water fire service lines subject to excessive vibration or difficult alignment.

Unless otherwise noted, these couplings are limited to use with rolled or cut groove-ended pipe, valves and fittings, at a minimum rated working pressure of 175 psi (1205 kPa) and are suitable for aboveground service. Higher rated pressures are noted in the text of the listing. Selection of pipe schedules for use with grooved pipe couplings should be made according to applicable FM Global Property Loss Prevention Data Sheets installation standards. These pipe schedules determine system pressure ratings and may take precedence over the higher rated working pressures listed for some couplings.

Installation must be made according to the manufacturer's instructions and requirements. Where couplings are used to join FM Approved pipe, the pipe manufacturer's installation instructions and requirements must also be observed. Grooves should be made according to ANSI/AWWA C606 (latest edition), "Grooved and Shouldered Joints", unless otherwise specified.

FM Approved grooved pipe couplings joining steel pipe may be used in underground service, subject to the installation restrictions placed upon the pipe and to the coupling manufacturer's recommendations and requirements.

Unless otherwise stated in the listing, these couplings have been evaluated for a maximum ambient temperature of 225°F (107°C), suitable for use in normal warehouse protection. For special applications, temperatures, or environments, the manufacturer's recommendations and requirements are to be followed.

Grooved Split Flanges-Flexible

Split Flanged-These fittings join pipe, valves or fittings having equal diameters.

Model 007

Product Description	*Nominal Pipe Size, in./mm*	*Pipe Ends*	*Remarks*	*Max Working Pressure, psi*
007	2, 2-1/2, 3, 4, 5, 6, 8 76, 108, 133, 140, 159, 165 mm	Cut Grooved Rolled Grooved	a, b, c, d, e	300 (2070)

Remarks:
a. Minimum schedule cut groove pipe to be joined: 6 in. NPS and smaller – Schedule 40; 8 in. and larger – Schedule 30.
b. Minimum schedule rolled groove pipe to be joined: 6 in. NPS and smaller – Schedule 10S; 8 in. NPS and larger – 0.188 in. (5 mm) wall.
c. With EPDM gasket.
d. For use with Chinese Standard GB/T 3091-1993, GB/T 3092-1993 welded steel pipe with pipe wall thicknesses comparable to same size ASME B16.10M-2000, Schedule 40 pipe (8 in. NPS – Schedule 30).
e. For use with Chinese Standard GB/T 17395-1998 seamless steel pipe with pipe wall thicknesses comparable to same size ASME B16.10M-2000, Schedule 40 pipe (8 in. NPS – Schedule 30).

Company Name:	Allied Rubber & Gasket Company
Company Address:	5816 Dryden Place, Suite 101, Carlsbad, California 92008, USA
Company Website:	http://argco.com
New/Updated Product Listing:	No
Listing Country:	United States of America
Certification Type:	FM Approved