



PRODUCTS FOR GROOVED END PIPE

# AWWA PRICE LIST

PL2017-AWWA-C  
Effective February 6, 2017



# Table of Contents

Gasket Selection Guide . . . . .	2	Reducing Fittings –	
Victaulic Lubricant . . . . .	2	No. 30-CR Reducing Lateral . . . . .	21
<b>AWWA COUPLINGS</b>		No. 100-CR 90° Long Radius Elbow . . . . .	21
Coupling Coating Options . . . . .	3	No. 35-CR Reducing Cross . . . . .	23
Style 31 Standard Coupling . . . . .	3	No. 50-C Concentric Reducer . . . . .	24
Style 307 Transition Coupling . . . . .	4	No. 51-C Eccentric Reducer . . . . .	25
Style 341 <i>Vic-Flange</i> ® Adapter . . . . .	4	No. 21-C Bullhead Tee . . . . .	25
Style 808 Coupling for Double Groove Pipe . . . . .	5	No. 33-C True Wye . . . . .	26
<b>Customized Pipe Joining and Repair Solutions</b>		Tapped Fittings . . . . .	26
Bolted Split-Sleeve Couplings . . . . .	6	Base Fittings –	
Master Series Fluid/AirMaster . . . . .	6	No. 10-CB 90° Base Elbow . . . . .	27
Expansion Joint . . . . .	6	No. 20-CB Base Tee . . . . .	27
Vic-Ring Shouldered Joint Check Sheet . . . . .	7	No. 100-CB 90° Base Long Radius Elbow . . . . .	27
<b>VIC-RING® COUPLINGS</b>		No. 25-CB Reducing Base Tee . . . . .	28
Style 41 Coupling . . . . .	8	Flares and Outlets –	
Style 44 Coupling . . . . .	8	No. 10-CF 90° Flare . . . . .	29
<b>VALVES</b>		No. 100-CF 90° Long Radius Flare . . . . .	29
Plug Valve Disc Coating/Seal Options . . . . .	9	No. 10-CS 90° Side Outlet . . . . .	29
Series 365 Plug Valves . . . . .	9	No. 20-CS Tee Side Outlet . . . . .	29
Accessories . . . . .	10	No. 43-CF Straight Flare . . . . .	30
Series 317 AWWA Check Valves . . . . .	11	Style 926 <i>Mechanical-T</i> Spigot for use with AWWA C151 Size Pipe . . . . .	30
Victaulic Bermad Hydraulic Control Valve Quote Check Sheet . . . . .	13	<b>PIPE PREPARATION TOOLS</b>	
Victaulic Bermad Air Valve Quote Check Sheet . . . . .	14	VG28GD . . . . .	32
<b>AWWA FITTINGS</b>		VG824 . . . . .	33
Fitting Coating Options . . . . .	15	VG412 Orbital Grooving Tool . . . . .	34
Elbows –		VG <i>Vic-Groover</i> . . . . .	34
No. 10-C 90° Elbow . . . . .	16	Power Mule . . . . .	35
No. 11-C 45° Elbow . . . . .	16	PT-100-A Go/No-Go Pipe Tape . . . . .	35
No. 12-C 22½° Elbow . . . . .	16	Terms and Conditions of Tool Rental . . . . .	36
No. 13-C 11¼° Elbow . . . . .	16	<b>ENGINEERED PRODUCTS</b> . . . . .	37
No. 100-C 90° Long Radius Elbow . . . . .	17	Terms and Conditions of Sale . . . . .	Inside Back Cover
No. 10-CR Reducing Elbow . . . . .	18	Warranty . . . . .	Inside Back Cover
No. 20-C Tee . . . . .	19	Victaulic Sales and Service Centers . . . . .	Back Cover
No. 30-C 45° Lateral . . . . .	19		
No. 60-C Cap . . . . .	19		
No. 35-C Cross . . . . .	19		
No. 25-C Reducing Tee . . . . .	20		

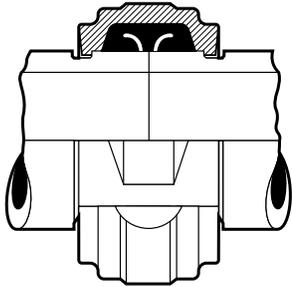
# Gaskets

## Gasket Selection Guide

**IMPORTANT – Please read before ordering. Gasket selection must always be specified on order.**

### Flush-Seal™ Standard Gasket

STYLE 31



GRADE	TEMP. RANGE *	COMPOUND	COLOR CODE	GENERAL SERVICE GUIDELINES
<b>S</b> †	-20°F to +180°F -29°C to +82°C	Nitrile	Orange Stripe	Specially compounded to conform to ductile pipe surfaces. May be specified for petroleum products, air with oil vapors, vegetable and mineral oils within the specified temperature range. Not compatible for use with hot, dry air over +140°F   +60°C and water over +150°F   +66°C. <b>NOT COMPATIBLE FOR USE WITH HOT WATER SERVICES.</b>
<b>M</b> †	-20°F to +200°F -29°C to +93°C	Halogenated Butyl	Brown Stripe	May be specified for water service within the specified temperature range plus a variety of dilute acids, oil-free air and many chemical services. Readily conforms to ductile pipe surfaces. UL Classified in accordance with ANSI/NSF 61 for cold +86°F   +30°C potable water systems and ANSI/NSF 372. <b>NOT COMPATIBLE FOR USE WITH PETROLEUM SERVICES.</b>
<b>L</b>	-30°F to +350°F- 34°C to +177°C	Silicone	Red Gasket	May be specified for dry heat, air without hydrocarbons to +350°F   +177°C and certain chemical services.

† Provided as standard gasket for Styles 31 and 307 couplings plus Style 341 *Vic-Flange* Adapter. Specify choice on order.

\* For specific chemical and temperature compatibility, refer to the Gasket Chemical Services Guide Long Report (GSG-100) located on victaulic.com. The information shown defines general ranges for all compatible fluids.

### Victaulic Lubricant



LUBRICANT	Price Each
<b>PACK</b> With 12 Tubes – 4 Fluid Ounces/120 ml Each	\$482.50
<b>CONTAINER</b> One Quart – 32 Fluid Ounces/960 ml Each	172.00

To ensure easy assembly and service of all your Victaulic installations including HDPE, be sure to include plenty of Victaulic Lubricant with every order. The following chart provides a rough gauge of quantities recommended, based on the number of units sold.

**NOTE: Items listed in shaded areas are non-cancellable and non-returnable.**

LUBRICANT USAGE GUIDE								
Size of Gasket inches	Number of Gaskets		Size of Gasket inches	Number of Gaskets		Size of Gasket inches	Number of Gaskets	
	Per Tube	Per Quart		Per Tube	Per Quart		Per Tube	Per Quart
2	55	400	8	13	100	16	6	45
3	36	270	10	11	80	18	5	35
4	26	200	12	8	60	20	4	30
6	17	125	14	7	50	24	3	20

# Products for AWWA Grooved End Pipe

## Standard AWWA Couplings

### Coating Options

Victaulic couplings and flange adapters are available in a variety of coatings. This is a list of the most common coatings. Victaulic couplings are supplied with a Tnemec Series 37-77 unless specified otherwise.

Coating	% Increase
Asphalt	0
Tnemec Series 37-77	0
Tnemec Series 20	+
Tnemec Series 66	8
Tnemec Series 69	8
Tnemec Series 90 - 97	8
Tnemec Series 104	8

Coating	% Increase
Tnemec Series 135	8
Tnemec Series 140	8
Tnemec Series 160	+
Tnemec Series 161	+
Coal Tar Epoxy (T46H413)	17
Tnemec Series 1	8
Wasser MC-FerroClad	8

+ Contact Victaulic for product details.

## Standard Coupling

### STYLE 31

With Flush-Seal™ Gasket  
Refer to publication 23.02



### STYLE 31 - GRADE "S" OR "M" FLUSH-SEAL™ GASKET

PIPE inches		Coupling Complete with Grade "S" or "M" Flush-Seal Gasket †	Spare Parts						
Nom. Size	Outside Dia.		Wgt. Each lb	Price Each		Price Each		Plated Bolt & Nut	
		Painted		Galv.	Grade "S" or "M" Flush-Seal Gasket Only	Grade "L" Silicone Flush-Seal Gasket Only	No. * Bolts	Size Inches	Price Each
3	3.96	4.3	\$255.50	\$336.00	\$113.00	\$362.50	2	1/2 x 2 3/4	\$20.00
4	4.80	6.4	330.00	455.00	166.50	391.50	2	5/8 x 3 1/4	27.00
6	6.90	8.5	412.00	576.00	189.50	460.00	2	5/8 x 3 1/4	27.00
8	9.05	15.4	726.00	1005.50	243.50	567.00	2	3/4 x 5	58.50
10	11.10	22.5	914.50	1289.00	305.50	656.00	2	3/4 x 5	58.50
12	13.20	30.0	1324.50	1835.50	368.50	736.00	2	7/8 x 5	61.00
14	15.30	40.8	1599.00	2016.50	516.50	918.00	4	1 x 3 1/2	63.00
16	17.40	61.3	2230.50	2881.00	533.00	939.00	4	1 x 3 1/2	63.00
18	19.50	80.0	3020.00	3870.50	628.50	1285.50	4	1 x 3 1/2	63.00
20	21.60	76.0	3116.00	3923.50	1528.50	3056.50	4	1 1/8 x 4	175.50
24	25.80	104.0	3956.50	5061.50	1671.50	3342.00	6	1 1/8 x 4	175.50
30	32.00	162.0	6576.00	8297.00	1696.50	+	6	1 1/8 x 4	175.50
36	38.30	200.0	8398.00	10523.00	1828.50	+	6	1 1/8 x 4	175.50

**NOTE: Items listed in shaded areas are non-cancellable and non-returnable.**

\* Number of bolts equals number of segments supplied.

+ Quoted on application. Contact Victaulic for pricing and availability.

† Surcharge for couplings supplied without gasket. Contact Victaulic for pricing.

Sizes 4" - 16" are UL Listed/FM Approved for underground fire protection water supply systems.

# Products for AWWA Grooved End Pipe

## Transition Coupling

### STYLE 307

(For connecting AWWA to IPS pipes, valves, and fittings)  
Refer to publication 23.03



STYLE 307 – GRADE “S” OR “M” FLUSH-SEAL™ GASKET

Nom. Size	PIPE inches		Approx. Wgt. Ea.	COUPLING COMPLETE † With Grade “M” or “S” Flush-Seal Gasket		SPARE PARTS			
	Mating Pipe O.D.			Price Each		Price Each	Bolt & Nut		
	IPS Steel	AWWA Ductile		Painted	Galv.	Grade “M” or “S” Flush-Seal Gasket Only	No. *	Size Inches	Price Each Plated
3	3.500	3.960	6.0	\$513.00	\$648.00	\$373.50	2	1/2 x 2 3/4	\$20.00
4	4.500	4.800	8.0	590.00	756.50	333.50	2	1/2 x 3 1/4	21.50
6	6.625	6.900	9.0	716.00	911.50	368.50	2	5/8 x 3 1/4	27.00
8	8.625	9.050	18.0	895.00	1216.00	421.00	2	3/4 x 5	58.50
10	10.750	11.100	22.0	1147.50	1548.50	730.00	2	7/8 x 6 1/2	85.00
12	12.750	13.200	31.1	1528.50	2082.00	760.00	2	7/8 x 6 1/2	85.00

**NOTE: Items listed in shaded areas are non-cancellable and non-returnable.**

\* Number of bolts equals number of segments supplied.

† Surcharge for couplings supplied without gasket. Contact Victaulic for pricing.

## Vic-Flange Adapter

### STYLE 341

Refer to publication 23.04



STYLE 341 – GRADE “S” OR “M” GASKET

PIPE Inches		Approx. Wgt. Each	Vic-Flange Adapter Complete with Grade “S” or “M” Gasket †	
Nominal Size	Outside Diameter		Price Each	
		lb	Painted	Galv.
<b>STYLE 341 - Hinged</b>				
3	3.96	5.4	\$638.00	\$779.00
4	4.80	8.2	771.50	959.00
6	6.90	12.0	927.00	1180.00
8	9.05	17.4	1146.00	1600.50
10	11.10	24.6	1629.50	2108.00
12	13.20	34.4	2170.50	2833.50
<b>STYLE 341 - Four Piece</b>				
14	15.30	61.0	\$4906.50	\$6511.00
16	17.40	80.0	5905.50	7324.50
18	19.50	98.8	6779.00	8466.00
20	21.60	113.9	9316.00	11444.00
24	25.80	134.9	11219.50	13762.00

Vic-Flange adapters sizes 4 – 12” are UL Listed/FM Approved for underground fire protection water supply systems.

**NOTE: Items listed in shaded areas are non-cancellable and non-returnable.**

† Surcharge for couplings supplied without gasket. Contact Victaulic for pricing.

# Products for AWWA Grooved End Pipe

## Coupling for Double Groove Pipe

### STYLE 808

Refer to publication 15.01



### STYLE 808 - GRADE "T" GASKET

PIPE		Approx. Wgt. Ea.	COUPLING COMPLETE † with Grade "HMT" Gasket	SPARE PARTS	
inches				Price Each	Grade "E" or "T" Gasket Only
Nom. Size	Outside Dia.	lb	Painted		
6	6.625	36.0	\$2127.50	+	1 x 5
8	8.625	70.0	4316.50	\$560.50	1½ x 6
10	10.750	85.0	6557.50	606.50	1½ x 6
12	12.750	105.0	+	+	1¼ x 6

**NOTE: Items listed in shaded areas are non-cancellable and non-returnable.**

+ Quoted on application. Contact Victaulic for pricing and availability.

† Surcharge for couplings supplied without gasket. Contact Victaulic for pricing.

§ Metric thread size bolts available. Contact Victaulic.

**Style 808 couplings for double grooved pipe require special pipe double groove dimensions. Contact Victaulic for details.**

# Products for AWWA Grooved End Pipe

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## Bolted Split-Sleeve Couplings



Provides a reliable, economical alternative to traditional bolted sleeve-type couplings.

Available in a variety of styles to meet specific application requirements, including:

- **Bolted Split-Sleeve Flexible Coupling**  
Unrestrained, flexible bottle-tight joints (E x E)
- **Bolted Split-Sleeve Restrained Flexible Coupling**  
Fully restrained pipe joints without external harnessing (F x F)
- **Bolted Split-Sleeve Expansion Couplings**  
Pipe joints that provide for thermal expansion and contraction (F x E)

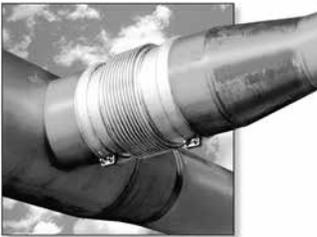
D-O-L couplings meet or exceed the design, material and performance standards set forth in AWWA C-219.

## Master Series Fluid/ AirMaster



- Designed to provide fully restrained joints for air and fluid-conveying pipelines.
- Shouldered couplings that are designed to operate at design pressures of the system.
- Meet or exceed the performance standards set forth in AWWA C-606.

## Expansion Joint



- Complete line of expansion joints.
- Offers solutions for accommodating thermal expansion and contraction of pipelines.
- Products include:
  - **OmniFlex**  
Stainless Steel Bellows-Type Expansion Joints  
(can also accommodate lateral movement)
  - **D-O-L Bolted Split-Sleeve Expansion Couplings**  
(accommodates expansion/contraction up to 6½")
  - **Paragon Expansion Joints**  
Fabricated Mechanical Expansion Joints

For more information on the above products, contact your local sales representative  
or call 905/884-7444

# Products for AWWA Grooved End Pipe

## Vic-Ring Check Sheet for W07/W77/W89 AGS Couplings



Send US, Asia, and Europe inquiries to: ep@victaulic.com or fax to: 610-923-3010  
To speak with a Customer Service representative in the US, please call 1-800-PICK-VIC  
In Canada, please e-mail viccanada@victaulic.com or fax 905-884-7446

The joining of pipe with a suitable Victaulic Vic-Ring coupling presents individual considerations that require review by a Victaulic Piping System expert who is experienced in special pipe joining applications. For more information please contact Victaulic, or refer to Victaulic Company's Vic-Ring submittals available at www.victaulic.com.

**TO OBTAIN A QUOTE, PLEASE PROVIDE THE INFORMATION REQUESTED BELOW:**

### DISTRIBUTOR INFORMATION:

DISTRIBUTOR:	DISTRIBUTOR CONTACT NAME:
COMPANY:	PHONE:
ADDRESS:	FAX:
CITY, STATE, ZIP:	E-MAIL:

### CONTRACTOR INFORMATION:

CONTRACTOR:	CONTRACTOR CONTACT NAME:
COMPANY:	PHONE:
ADDRESS:	FAX:
CITY, STATE, ZIP:	E-MAIL:

### PROJECT INFORMATION:

PROJECT NAME:	QUOTE NEEDED BY (date):
CITY & STATE:	BID DATE:
<input type="checkbox"/> PROJECT SPEC. INCLUDED	REQUESTED SHIPPING DATE:
ENGINEERING FIRM:	CONTACT NAME:
CITY & STATE:	PHONE:

### APPLICATION DATA:

NOMINAL PIPE SIZE:	ACTUAL PIPE OD:	WALL THICKNESS:
<input type="checkbox"/> CARBON STEEL: GRADE -	SCHEDULE -	CLASS-
<input type="checkbox"/> STAINLESS STEEL: TYPE -	SCHEDULE -	
<input type="checkbox"/> DUCTILE IRON: PRESSURE -	CLASS -	
SYSTEM WORKING PRESSURE (PSI):	TEST/PROOF PRESSURE (PSI):	TEMPERATURE (DEG. F):
MEDIA/SERVICE:		

### CONFIGURATION INFORMATION:

COUPLING: STYLE -	DISTRIBUTOR CONTACT NAME:
RINGS: SIZE (=PIPE O.D.) -	QTY: (PER JOINT - PIPE TO PIPE CONNECTIONS REQUIRE TWO RINGS)
<b>LINING OPTIONS:</b> <b>UNLINED</b> <input type="checkbox"/> FLUSH <input type="checkbox"/> OVERHUNG <b>ABRASION AND CORROSION</b> <input type="checkbox"/> RUBBER LINED - FLUSH <input type="checkbox"/> RUBBER LINED - OVERHUNG	
<b>ABRASION</b> <input type="checkbox"/> RUBBER LINED - FLUSH <input type="checkbox"/> RUBBER LINED - OVERHUNG <input type="checkbox"/> RUBBER LINED WITH PROTECTIVE BUMPER - FLUSH <input type="checkbox"/> RUBBER LINED WITH PROTECTIVE BUMPER - OVERHUNG <input type="checkbox"/> CHROMIUM CARBIDE OVERLAY (CCO)	

# Products for AWWA Grooved End Pipe

## Vic-Ring Couplings

Style 41 and 44 couplings are used in conjunction with *Vic-Ring* adapters when it is not possible to direct groove pipe. Pipe to pipe connections require two *Vic-Ring* adapters per joint. Contact Victaulic for pricing on *Vic-Ring* adapters. For further information on the *Vic-Ring* system, request publication 16.01.

### Style 41 Coupling

Refer to publication 16.04



STYLE 41 COUPLING

PIPE O.D.  Inches	Max. Work. Pressure  psi	Type "D" or "E" Joint  Price Each	Spare Parts			
			No.	Bolt Dim. Size Inches	Bolt/Nut Price Ea.	Grade "E" Gasket Price Ea.
30	90	+	6	1 $\frac{1}{8}$ x 5 $\frac{1}{2}$	\$175.50	\$1527.50
36	90	+	6	1 $\frac{1}{8}$ x 5 $\frac{1}{2}$	175.50	1558.00
38	90	+	6	1 $\frac{1}{4}$ x 5 $\frac{1}{2}$	208.00	1668.00
42	90	+	8	1 $\frac{3}{8}$ x 5 $\frac{3}{4}$	246.50	1717.00
46	90	+	8	1 $\frac{1}{2}$ x 5 $\frac{3}{4}$	260.50	1869.00
48	90	+	8	1 $\frac{3}{4}$ x 6	609.00	1920.00
54	90	+	8	1 $\frac{3}{4}$ x 6	609.00	2393.00
60	90	+	10	1 $\frac{7}{8}$ x 6	832.50	2355.50
66	90	+	24	1 $\frac{1}{2}$ x 5 $\frac{3}{4}$	260.50	2589.50

+ Quoted on application. Contact Victaulic for pricing and availability.

**NOTE: Items listed in shaded areas are non-cancellable and non-returnable.**

### Style 44 Coupling

Refer to publication 16.05



STYLE 44 COUPLING

PIPE O.D.  Inches	Max. Work. Pressure  psi	Type "D" or "E" Joint  Price Each	Spare Parts			
			No.	Bolt Dim. Size Inches	Bolt/Nut Price Ea.	Grade "E" Gasket Price Ea.
4	175	+	2	$\frac{5}{8}$ x 4	\$30.50	\$458.00
6	175	+	2	$\frac{5}{8}$ x 4	30.50	195.00
8	175	+	2	$\frac{3}{4}$ x 5	58.50	251.00
10	175	+	2	$\frac{3}{4}$ x 5	58.50	318.50
12	175	+	2	$\frac{7}{8}$ x 5 $\frac{1}{2}$	55.00	378.50
14	175	+	4	1 x 3 $\frac{1}{2}$	63.00	470.50
16	175	+	4	1 x 3 $\frac{1}{2}$	63.00	553.00
18	175	+	4	1 x 3 $\frac{1}{2}$	63.00	641.50
20	175	+	4	1 $\frac{1}{4}$ x 5 $\frac{1}{2}$	208.00	669.00
24	175	+	6	1 $\frac{1}{4}$ x 3 $\frac{1}{2}$	190.50	925.50
30	175	+	6	1 $\frac{1}{2}$ x 5 $\frac{3}{4}$	260.50	1527.50
36	175	+	6	1 $\frac{1}{2}$ x 5 $\frac{3}{4}$	260.50	1558.00
42	175	+	8	1 $\frac{3}{4}$ x 6	609.00	1717.00
48	175	+	16	1 $\frac{3}{8}$ x 5 $\frac{3}{4}$	246.50	1920.00
54	175	+	16	1 $\frac{1}{2}$ x 5 $\frac{3}{4}$	260.50	2393.00
60	175	+	20	1 $\frac{1}{2}$ x 5 $\frac{3}{4}$	260.50	2355.50

+ Quoted on application. Contact Victaulic for pricing and availability.

**NOTE: Items listed in shaded areas are non-cancellable and non-returnable.**

# Products for AWWA Grooved End Pipe

## Series 365 Plug Valves

### Plug Valve Disc Coating/Seal Options

#### SERIES 365

Refer to publication 23.06



- Optional plug seal coatings are available – pricing and availability on application. Valve supplied standard with Nitrile (Grade “T”) coated plug. Contact Victaulic for details.
- Grade “E” EPDM – (P- \_\_\_ 7121-00)
- Grade “O” Fluoroelastomer – (P- \_\_\_ 7131-00)

**P - 080 - 7 1 1 1 - 80**

Type	Nom. In./mm	Size Code	Pressure Rating	Body Material	Plug Coating	Seat	Operator
P	3"/80	030	7 - 175 psi full bi-directional (1)	1 - Iron	1 - Nitrile - "T"	1 - Nickel	00 - Bare
	4"/100	040		3 - Coated iron (2)	2 - EPDM - "E"	7 - Glass Lined/ Nickel Seat	01 - 2" Hub Nut Only
	6"/150	060		7 - Glass lined	3 - Fluoroelastomer - "O"		10 - Std. Handle (2)
	8"/200	080					11 - Std. Handle with memory stop (2)
	10"/250	100					80 - Gear Op w/Handwheel
	12"/300	120					81 - Gear Op w/2" Nut 82 - Gear Op w/Chainwheel 99 - Special (1)

(1) Details must be supplied with order.  
(2) 3, 4 and 6"/80, 100 and 150 mm only.

## Series 365 Plug Valves with Operators

Refer to publication 23.06



#### SERIES 365 WITH OPERATORS

Nom. Size inches	Bare	With Lever	Gear Op. w/ Handwheel or 2" nut	Gear Op. w/ Chainwheel
3	\$3372.00	\$3757.50	\$6496.00	\$7879.50
4	3372.00	3757.50	6496.00	7879.50
6	5192.00	5510.50	7793.00	9432.00
8	8096.50	-	10701.50	14923.00
10	12751.50	-	21689.50	24508.50
12	+	-	25269.00	+

**NOTE: Items listed in shaded areas are non-cancellable and non-returnable.**

Options: Actuator rotated 90° or 270°. Bevel gear operator available upon request. Contact Victaulic for pricing and availability.

+ Quoted on application. Contact Victaulic for pricing and availability.

## List Adders for Victaulic Plug Valves

#### SERIES 365 LIST ADDERS

Nom. Size inches	Glass Lining	Epoxy Lining Interior	Epoxy Coating Exterior
3	+	\$289.50	\$210.50
4	+	289.50	240.00
6	+	349.50	268.50
8	+	476.00	349.50
10	+	554.50	407.00
12	+	801.50	463.50

**NOTE: Items listed in shaded areas are non-cancellable and non-returnable.**

Epoxy paints included in above are Tnemec Series 66, 69, 104, 135, 140, T1, and Wasser MC-FerroClad.

+ Quoted on application. Contact Victaulic for pricing and availability.

# Products for AWWA Grooved End Pipe

## Gear Operator Accessories for Series 365 Plug Valves

### GEAR OPERATOR ACCESSORIES

Size inches	Handwheel Only	2" Nut	Chain Wheel Kit	Gear Operator Only	Chain Per Foot
3	+	+	+	+	\$28.00
4	+	+	+	+	28.00
6	+	+	+	+	30.00
8	+	+	+	+	30.00
10	+	+	+	+	30.00
12	+	+	+	+	30.00

**NOTE: Items listed in shaded areas are non-cancellable and non-returnable.**

+ Quoted on application. Contact Victaulic for pricing and availability.

### SERIES 365 VALVE EXTENSION STEMS – CARBON STEEL STEM WITH 2" SQUARE NUT ON TOP

Valve Size inches	Stem Diameter inches	1st 5 ft. with pin top & bottom	Each additional foot
3 – 10	1	+	+
12	1¼	+	+

**NOTE: Items listed in shaded areas are non-cancellable and non-returnable.**

+ Quoted on application. Contact Victaulic for pricing and availability.

Stainless steel extension stems available priced on application. Contact Victaulic for pricing and availability.

NOTE: For automatic actuation, contact your local valve automation center for pricing and availability.

# Products for AWWA Grooved End Pipe

## Series 317 AWWA Check Valve

Refer to publication 23.09



Bare



Arm and Weight



Arm and Spring



Arm and Air Cushion

### SERIES 317 AWWA CHECK VALVE

Nom. Size		Bare Bronze Seat or "T" Nitrile Seat		Arm and Weight Bronze Seat or "T" Nitrile Seat		Arm and Spring Bronze Seat or "T" Nitrile Seat		Arm and Air Cushion Bronze Seat or "T" Nitrile Seat	
inches	Code	Approx. Wgt. Each lb	Price Each	Approx. Wgt. Each lb	Price Each	Approx. Wgt. Each lb	Price Each	Approx. Wgt. Each lb	Price Each
3	30	50.0	\$3757.50	57.0	\$5346.50	54.0	\$5346.50	65.0	\$6546.50
4	40	70.0	4213.00	77.0	5803.00	74.0	5803.00	85.0	7497.50
6	60	120.0	5975.00	127.0	8082.00	124.0	8082.00	135.0	10437.00
8	80	225.0	9409.50	242.0	11846.50	233.0	11846.50	259.0	13377.00
10	100	350.0	13585.00	367.0	19018.00	358.0	19018.00	384.0	20553.00
12	120	460.0	18808.00	477.0	27305.00	468.0	27305.00	494.0	28835.00

NOTE: Specify choice on order.

**NOTE: Items listed in shaded areas are non-cancellable and non-returnable.**

## Series 317 Kits

### SERIES 317 KITS

Nominal Size inches	Kits - Price Each		
	Arm and Weight	Arm and Spring	Arm and Air Cushion
3	\$2354.00	\$2354.00	\$4395.50
4	2354.00	2354.00	4395.50
6	2354.00	2354.00	4941.50
8	2354.00	2354.00	6047.00
10	2354.00	2354.00	6046.50
12	2354.00	2354.00	12763.50

Note: Kits include all hardware and instructions necessary to field-convert valve to desired option.

**NOTE: Items listed in shaded areas are non-cancellable and non-returnable.**

# Products for AWWA Grooved End Pipe

## List Adders for Check Valves

### SERIES 317 LIST ADDERS

Nom. Size inches	Glass Lining Interior	Epoxy Lining Interior	Epoxy Coating Exterior
3	+	\$447.00	\$336.00
4	+	447.00	392.00
6	+	498.50	435.50
8	+	693.00	547.00
10	+	862.00	635.00
12	+	1225.00	724.00

**NOTE: Items listed in shaded areas are non-cancellable and non-returnable.**

+ Quoted on application. Contact Victaulic for pricing and availability.

Epoxy paints included in above are Tnemec Series 66, 69, 104, 135, 140, T1, and Wasser MC-FerroClad.

**C - 040 - 1 1 1 1 - 10**

Type	Act. In./mm	Size Code	Pressure Rating	Body Material	Closure Coupling Gasket Grade	Seat	Accessories*
C	3/80	030	1 - 175 psi 9 - Special*	1 - Iron	1 - (S) Nitrile	1 - Bronze	10 - Bare shaft on right side of valve
	4/100	040		3 - Coated Iron**	2 - (M) Hologenated Butyl	2 - (T) Nitrile	11 - Lever with Adjustable Spring mounted on right side of valve
	6/150	060		7 - Glass lined	3 - (V) Neoprene	3 - (E) EPDM	12 - Lever with Weight mounted on right side of valve
	8/200	080		9 - Special*	4 - (O) Fluoroelastomer	4 - (V) Neoprene	13 - Air Cushion with Adjustable Spring mounted on right side of valve
	10/250	100			5 - (O) Fluoroelastomer	5 - (O) Fluoroelastomer	20 - Bare shaft on left side of valve
	12/300	120			9 - Special*	9 - Special*	21 - Lever with Adjustable Spring mounted on left side of valve
					22 - Lever with Weight mounted on left side of valve		
					23 - Air Cushion with Adjustable Spring mounted on left side of valve		
						9 - Special*	

\*Details must be supplied with order.

\*\*Details of coating must be supplied with order.

# Products for AWWA Grooved End Pipe

## Victaulic Bermad Hydraulic Control Valve Quote Check Sheet



Send inquires to: Send inquiries to: viccanada@victaulic.com or fax to 905-884-9774  
To speak with a Customer Service representative, please call 905-884-7444

TO OBTAIN A QUOTE, PLEASE PROVIDE THE INFORMATION REQUESTED BELOW:

### CUSTOMER CONTACT INFORMATION:

NAME:	DATE:
COMPANY:	PHONE:
ADDRESS:	FAX:
CITY, STATE, ZIP:	E-MAIL:

### PROJECT INFORMATION:

APPLICATION: <i>PRESSURE REDUCING</i>	
PROJECT NAME:	QUOTE NEEDED BY (date):
CITY & STATE:	BID DATE:
<input type="checkbox"/> PROJECT SPEC. INCLUDED	REQUESTED SHIPPING DATE:
ENGINEERING FIRM:	CONTACT NAME:
CITY & STATE:	PHONE:

### SERVICE:

TYPE OF FLUID:	FLUID DENSITY:	PH:
FLUID TEMPERATURES	MIN:	MAX:
AMBIENT TEMPERATURES	MIN:	MAX:
FLUID ANALYSIS:		
INSTALLATION ELEVATION:		

### VALVE CHARACTERISTICS:

VALVE SERIES:	VALVE CLASS: <input type="checkbox"/> PN16	<input type="checkbox"/> PN25	<input type="checkbox"/> PN40
END CONNECTIONS TYPE:	END CONNECTIONS CLASS:		
BODY MATERIAL:	INTERNAL MATERIAL:		
SEALS MATERIAL:	CONTROL LOOP MATERIAL:		
ADDITIONAL FEATURES:			

### PRESSURE REDUCING / SUSTAINING VALVE:

PIPE DIAMETER (INCHES):	VALVE DIAMETER (INCHES):		
INLET PRESSURE (PSI)	MIN:	MAX:	
OUTLET PRESSURE (PSI)	MIN:	MAX:	
FLOW (GPM)	MIN:	MAX:	

### PRESSURE RELIEF VALVE:

PIPE DIAMETER (INCHES):	VALVE DIAMETER (INCHES):		
MAX. INLET PRESSURE (PSI):	SET PRESSURE (PSI):		
DISCHARGE FLOW (GPM)	NOMINAL:	MAX:	

COMMENTS:

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# Products for AWWA Grooved End Pipe



## Victaulic Bermad Air Valve Quote Check Sheet

Send inquires to: Send inquiries to: viccanada@victaulic.com or fax to 905-884-9774  
To speak with a Customer Service representative, please call 905-884-7444

TO OBTAIN A QUOTE, PLEASE PROVIDE THE INFORMATION REQUESTED BELOW:

### CUSTOMER CONTACT INFORMATION:

NAME:	DATE:
COMPANY:	PHONE:
ADDRESS:	FAX:
CITY, STATE, ZIP:	E-MAIL:

### PROJECT INFORMATION:

APPLICATION: <i>AIR VALVE</i>	
PROJECT NAME:	QUOTE NEEDED BY (date):
CITY & STATE:	BID DATE:
<input type="checkbox"/> PROJECT SPEC. INCLUDED	REQUESTED SHIPPING DATE:
ENGINEERING FIRM:	CONTACT NAME:
CITY & STATE:	PHONE:

### SERVICE:

TYPE OF FLUID:	FLUID DENSITY:	PH:
FLUID TEMPERATURES	MIN:	MAX:
AMBIENT TEMPERATURES	MIN:	MAX:
FLUID ANALYSIS:		
INSTALLATION ELEVATION:		

### VALVE CHARACTERISTICS:

VALVE SERIES:	VALVE CLASS: <input type="checkbox"/> PN16 <input type="checkbox"/> PN25 <input type="checkbox"/> PN40
END CONNECTIONS TYPE:	END CONNECTIONS CLASS:
BODY MATERIAL:	SEALS MATERIAL:
KINETIC FLOAT MATERIAL:	AUTOMATIC FLOAT MATERIAL:
OUTLET TYPE:	COATING:
ADDITIONAL FEATURES:	

### AIR VALVE:

PIPE DIAMETER (INCHES):	VALVE DIAMETER (INCHES):
WORKING PRESSURE (PSI):	MIN. SEALING PRESSURE (PSI):
DISCHARGE FLOW (GPM):	@ DIFFERENTIAL PRESSURE (PSI):

### COMMENTS:

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# Products for AWWA Grooved End Pipe

## AWWA Fittings

Refer to publication 23.05



- Conform to AWWA C-606 rigid groove specifications and ANSI A-21.10/AWWA C-110 end to end dimensions.
- Fittings supplied with an alkyd phenolic primer. Optional coatings/linings include coal tar epoxy, organic zinc-rich primer, cement and others. Cast surfaces equivalent to SSPG-SP6 prior to coating unless otherwise specified. Contact Victaulic with details when ordering special coatings/linings. Refer to table below for check list and partial listings of special coatings/linings.
- Flanged by grooved fittings available upon request. Contact Victaulic for details.

## Coating Options

Victaulic fittings are available in a variety of coatings. This is a list of the most common coatings. Victaulic fittings are supplied with a Tnemec Series 37-77 unless specified otherwise.

### COATING OPTIONS – STANDARD AND CEMENT LINED

Coating	% Increase
Asphalt	0
Tnemec Series 37-77	0
Tnemec Series 20	+
Tnemec Series 66	8
Tnemec Series 69	8
Tnemec Series 90 - 97	8
Tnemec Series 104	8

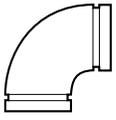
Coating	% Increase
Tnemec Series 135	8
Tnemec Series 140	8
Tnemec Series 160	+
Tnemec Series 161	+
Coal Tar Epoxy (T46H413)	17
Tnemec Series 1	8
Wasser MC-FerroClad	8

+ Contact Victaulic for product details.

# Products for AWWA Grooved End Pipe

## Elbows

Refer to publication 23.05



No. 10-C



No. 11-C

### ELBOWS – 90° ELBOW OR 45° ELBOW

Nom. Size  inches	90° Elbow No. 10-C			45° Elbow No. 11-C		
	Weight Each lb	Price Each		Weight Each lb	Price Each	
		Tnemec 37-77	Cement Lined		Tnemec 37-77	Cement Lined
3	8.6	\$397.00	\$416.50	5.8	\$339.00	\$356.00
4	12.0	438.00	461.00	8.4	411.00	432.00
6	22.0	662.50	695.00	15.0	631.00	659.50
8	38.0	1025.50	1075.50	28.8	941.00	988.00
10	76.0	2166.00	2274.50	43.3	1524.50	1600.50
12	92.0	2431.50	2553.50	72.0	2220.50	2330.00
14	174.0	3769.50	3957.50	104.0	2976.00	3125.00
16	239.0	4467.00	4689.50	142.0	3821.00	4012.00
18	328.0	6174.00	6483.50	186.0	5040.50	5292.50
20	413.0	7947.50	8344.00	246.0	6504.00	6847.50
24	668.0	12323.00	12939.00	414.0	9804.50	10293.00
30	1002.0	+	29126.00	720.0	+	+
36	1608.0	+	+	1152.0	30679.50	32293.50

**NOTE: Items listed in shaded areas are non-cancellable and non-returnable.**

+ Quoted on application. Contact Victaulic for pricing and availability.

All 14" and larger fittings are foreign produced ductile iron. If domestic manufactured iron fittings are required, contact Victaulic for pricing and delivery.

All fittings ductile iron unless otherwise noted.



No. 12-C



No. 13-C

### ELBOWS – 22½° ELBOW OR 11¼° ELBOW

Nom. Size  inches	22½° Elbow No. 12-C			11¼° Elbow No. 13-C		
	Weight Each lb	Price Each		Weight Each (lbs)	Price Each	
		Tnemec 37-77	Cement Lined		Tnemec 37-77	Cement Lined
3	# 8.7	+	+	6.7	+	+
4	# 11.5	\$507.00	\$530.50	11.5	\$507.00	\$530.50
6	# 25.0	693.50	728.00	21.5	693.50	728.00
8	# 39.5	1130.00	1188.00	39.0	1060.50	1115.00
10	# 67.0	2202.00	2286.50	41.0	2202.00	2286.50
12	# 108.0	3020.00	3146.50	60.0	3020.00	3146.50
14	112.0	+	3190.50	108.0	3032.00	3190.50
16	128.0	3949.50	4157.50	121.0	3949.50	4157.50
18	185.0	5321.50	5601.00	170.0	5321.50	5601.00
20	200.0	6969.00	7335.00	169.0	6969.00	7335.00
24	282.0	10502.50	11053.50	237.0	10502.50	11053.50
30	+	+	+	+	+	+
36	+	+	+	+	+	+

**NOTE: Items listed in shaded areas are non-cancellable and non-returnable.**

All 14" and larger fittings are foreign produced ductile iron. If domestic manufactured iron fittings are required, contact Victaulic for pricing and delivery.

+ Quoted on application. Contact Victaulic for pricing and availability.

All fittings ductile iron unless otherwise noted.

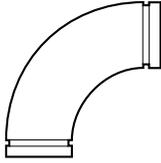
# Cast Iron.

# Products for AWWA Grooved End Pipe

## Long Radius Elbows

### NO. 100-C

Refer to publication 23.05



### 90° LONG RADIUS ELBOWS

Nom. Size	Weight Each	Price Each †	
		Tnemec 37-77	Cement Lined
inches	lb		
3	+	-	-
4	28.0	\$619.00	\$648.00
6	55.0	852.00	909.00
8	83.0	1472.50	1550.50
10	160.0	2430.00	2540.00
12	130.0	4050.50	4224.00
14	318.0	5685.00	5968.00
16	404.0	7510.50	7905.50
18	537.0	10620.50	11178.50
20	694.0	13717.00	14402.50
24	1090.0	21067.50	22176.50
30	+	+	+
36	+	+	+

**NOTE: Items listed in shaded areas are non-cancellable and non-returnable.**

All 14" and larger fittings are foreign produced ductile iron. If domestic manufactured iron fittings are required, contact Victaulic for pricing and delivery.

+ Quoted on application. Contact Victaulic for pricing and availability.

† 45° Long Radius Elbow also available, priced on application. Contact Victaulic for pricing and availability.

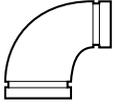
All fittings ductile iron unless otherwise noted.

# Products for AWWA Grooved End Pipe

## Reducing Elbows

### NO. 10-CR

Refer to publication 23.05



### REDUCING ELBOWS

Nominal Size	Weight Each	Price Each	
		Tnemec 37-77	Cement Lined
inches	lb		
4 x 3	17.0	+	\$954.00
6 x 3	28.5	\$987.00	+
4	# 29.6	1081.50	1133.50
8 x 4	# 46.5	1332.50	1398.00
6	# 48.5	+	+
10 x 4	# 65.0	1859.50	1951.00
6	# 77.0	2112.00	2214.50
8	# 88.0	2463.00	2585.50
12 x 4	+	+	+
6	90.0	3900.00	4095.00
8	98.0	3900.00	4095.00
10	102.0	3900.00	4095.00
14 x 6	+	+	+
8	135.0	3674.50	3857.00
10	170.0	3674.50	3857.00
12	195.0	3674.50	3857.00
16 x 6	+	+	+
8	+	+	+
10	195.0	5113.00	5380.50
12	240.0	5113.00	5380.50
14	280.0	5113.00	5380.50
18 x 6	+	+	+
8	+	+	+
10	+	+	+
12	+	+	+
14	+	+	+
16	380.0	9590.00	10094.00

Nominal Size	Weight Each	Price Each	
		Tnemec 37-77	Cement Lined
inches	lb		
20 x 6	+	+	+
8	+	+	+
10	+	+	+
12	+	+	+
14	405.0	\$9668.00	\$10176.50
16	+	+	+
18	485.0	9668.00	10176.50
24 x 6	+	+	+
8	+	+	+
10	+	+	+
12	+	+	+
14	+	+	+
16	+	+	+
18	+	+	+
20	+	+	+
30 x 12	+	+	+
14	+	+	+
16	+	+	+
18	+	+	+
20	+	+	+
24	+	+	+
36 x 12	+	+	+
14	+	+	+
16	+	+	+
18	+	+	+
20	+	+	+
24	+	+	+
30	+	+	+

**NOTE: Items listed in shaded areas are non-cancellable and non-returnable.**

All 14" and larger fittings are foreign produced ductile iron. If domestic manufactured iron fittings are required, contact Victaulic for pricing and delivery.

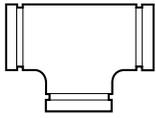
+ Quoted on application. Contact Victaulic for pricing and availability.

# Cast Iron.

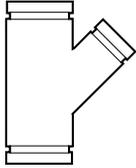
# Products for AWWA Grooved End Pipe

## Tee or Lateral

Refer to publication 23.05



No. 20-C



No. 30-C

### TEE OR LATERAL

Nominal Size inches	Tee No. 20-C			45° Lateral No. 30-C		
	Weight Each lb	Price Each		Weight Each lb	Price Each	
		Tnemec 37-77	Cement Lined		Tnemec 37-77	Cement Lined
3	14.2	\$529.00	\$554.00	20.7	\$479.50	\$515.00
4	19.0	620.50	648.50	38.4	952.50	1000.50
6	34.0	946.00	989.50	# 67.0	1523.50	1704.00
8	59.0	1258.00	1320.50	120.0	2402.00	2522.00
10	111.0	2500.50	2624.50	# 144.0	3683.50	3878.00
12	136.0	2882.00	3673.00	242.0	7705.00	7986.50
14	262.0	5147.00	5403.00	372.0	8489.50	8915.00
16	304.0	6724.50	7059.00	500.0	10997.50	11576.00
18	408.0	9284.50	9750.50	596.0	15091.00	15846.00
20	552.0	11349.50	11917.00	1103.0	19562.50	20538.50
24	980.0	20302.50	21371.50	1746.0	29060.00	+
30	1552.0	33020.50	34757.50	+	+	+
36	2050.0	+	+	+	+	+

**NOTE: Items listed in shaded areas are non-cancellable and non-returnable.**

All 14" and larger fittings are foreign produced ductile iron. If domestic manufactured iron fittings are required, contact Victaulic for pricing and delivery.

+ Quoted on application. Contact Victaulic for pricing and availability.

# Cast Iron.

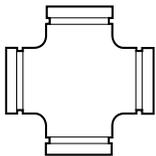
All fittings ductile iron unless otherwise noted.

## Cap or Cross

Refer to publication 23.05



No. 60-C



No. 35-C

### CAP OR CROSS

Nominal Size inches	Cap ‡ No. 60-C			Cross No. 35-C		
	Weight Each lb	Price Each		Weight Each lb	Price Each	
		Tnemec 37-77	Cement Lined		Tnemec 37-77	Cement Lined
3	3.0	\$234.00	\$244.00	+	+	+
4	5.0	234.00	244.00	40.0	\$959.00	\$1072.50
6	9.3	346.00	365.00	71.0	1599.50	1679.50
8	16.0	489.00	513.00	106.0	2301.50	2599.50
10	37.2	734.50	772.00	120.0	3991.00	4189.50
12	52.0	1073.00	1123.00	158.0	5977.50	6277.00
14	52.0	1431.00	1500.50	307.0	8915.50	9384.50
16	68.0	1875.00	1968.00	426.0	11486.50	11547.00
18	90.0	2579.00	2706.50	562.0	17981.00	18927.50
20	110.0	3060.50	3212.50	+	+	+
24	165.0	5006.00	5255.00	+	+	+
30	300.0	+	+	+	+	+
36	536.0	17345.50	18254.00	+	+	+

**NOTE: Items listed in shaded areas are non-cancellable and non-returnable.**

All 14" and larger fittings are foreign produced ductile iron. If domestic manufactured iron fittings are required, contact Victaulic for pricing and delivery.

+ Quoted on application. Contact Victaulic for pricing and availability.

All fittings ductile iron unless otherwise noted.

‡ Caps tapped pricing: ½ – ¾" \$380.50; 1" \$463.50; 1¼ – 1½" \$613.50; 2" \$1397.50; 2½" \$899.00; 3" \$899.00

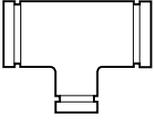
\$ 14" and larger caps with taps are non-cancellable and non-returnable.

# Products for AWWA Grooved End Pipe

## Reducing Tees

NO. 25-C

Refer to publication 23.05



### REDUCING TEES

Nominal Size	Weight Each	Price Each	
		Tnemec 37-77	Cement Lined
inches	lb		
4 x 3	# 26.4	\$588.50	\$618.00
6 x 3	53.0	855.50	897.00
	46.0	855.50	897.00
8 x 4	# 78.0	1257.50	1320.50
	# 80.0	1257.50	1320.50
10 x 4	120.0	2615.50	2743.50
	6	128.0	2615.50
	8	130.0	2615.50
12 x 4	112.0	3323.50	3490.00
	6	180.0	3323.50
	8	186.0	3323.50
	10	192.0	3323.50
14 x 6	238.0	5070.00	5323.00
	8	241.0	5070.00
	10	310.0	5070.00
	12	328.0	5070.00
16 x 6	268.0	6387.00	6707.00
	8	290.0	6387.00
	10	319.0	6387.00
	12	330.0	6387.00
	14	341.0	6387.00
18 x 6	320.0	8821.00	9262.00
	8	326.0	8821.00
	10	332.0	8821.00
	12	339.0	8821.00
	14	441.0	8821.00
16	453.0	8821.00	9262.00

Nominal Size	Weight Each	Price Each		
		Tnemec 37-77	Cement Lined	
inches	lb			
20 x 6	405.0	\$10783.00	\$11322.50	
	8	412.0	10783.00	
	10	419.0	10783.00	
	12	426.0	10783.00	
	14	443.0	10783.00	
	16	571.0	10783.00	
	18	584.0	10783.00	
24 x 6	570.0	19335.50	20302.50	
	8	578.0	19335.50	
	10	586.0	19335.50	
	12	593.0	19335.50	
	14	610.0	19335.50	
	16	620.0	19335.50	
	18	918.0	19335.50	
30 x 12	1175.0	+	+	
	14	1250.0	+	
	16	1437.0	+	
	18	1450.0	35271.00	37126.50
	20	1462.0	+	
	24	1475.0	+	
36 x 12	+	+	+	
	14	+	+	
	16	+	+	
	18	+	+	
	20	+	+	
	24	+	+	
	30	+	+	

All 14" and larger fittings are foreign produced ductile iron. If domestic manufactured iron fittings are required, contact Victaulic for pricing and delivery.

**NOTE: Items listed in shaded areas are non-cancellable and non-returnable.**

+ Quoted on application. Contact Victaulic for pricing and availability.

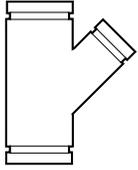
All fittings ductile iron unless otherwise noted.

# Cast Iron.

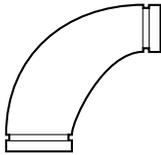
# Products for AWWA Grooved End Pipe

## Reducing Fittings

Refer to publication 23.05



No. 30-CR  
Reducing Lateral



No. 100-CR  
90° Long Radius Reducing Elbow

### REDUCING FITTINGS – REDUCING LATERAL OR 90° LONG RADIUS REDUCING ELBOW

Nominal Size	Reducing Lateral No. 30-CR				90° Long Radius Reducing Elbow No. 100-CR †		
	Wgt. Ea. lb	Price Each		Wgt. Ea. lb	Price Each		
		Tnemec 37-77	Cement Lined		Tnemec 37-77	Cement Lined	
4 x 3	45.0	\$895.00	\$940.00	+	+	+	
6 x 3	74.0	1501.50	1717.00	+	+	+	
	4	80.0	1434.50	1745.50	+	+	+
8 x 4	125.0	2101.00	2537.00	+	+	+	
	6	140.0	2323.50	2787.00	+	+	+
10 x 4	204.0	2829.00	3682.50	+	+	+	
	6	212.0	3583.50	4799.50	+	+	+
	8	236.0	3637.50	4380.00	+	+	+
12 x 4	290.0	3934.50	5148.50	+	+	+	
	6	302.0	5432.00	5754.00	+	+	+
	8	324.0	5538.00	6400.50	+	+	+
	10	356.0	5994.50	7023.00	+	+	+
14 x 6	330.0	+	+	+	+	+	
	8	346.0	7852.50	8266.00	+	+	+
	10	+	+	+	+	+	+
	12	+	+	+	+	+	+
16 x 6	+	+	+	+	+	+	
	8	+	+	+	+	+	
	10	+	+	+	+	+	
	12	+	+	+	+	+	
	14	+	+	+	+	+	
18 x 6	+	+	+	+	+	+	
	8	+	+	+	+	+	
	10	+	+	+	+	+	
	12	+	+	+	+	+	
	14	+	+	+	+	+	
	16	+	+	+	+	+	
20 x 6	+	+	+	+	+	+	
	8	+	+	+	+	+	
	10	+	+	+	+	+	
	12	+	+	+	+	+	
	14	+	+	+	+	+	
	16	+	+	+	+	+	
	18	+	+	+	+	+	
24 x 6	+	+	+	+	+	+	
	8	+	+	+	+	+	
	10	+	+	+	+	+	
	12	+	+	+	+	+	
	14	+	+	+	+	+	
	16	1651.1	+	24417.50	+	+	+
	18	910.2	+	+	+	+	+
	20	+	+	+	+	+	+

**NOTE: Items listed in shaded areas are non-cancellable and non-returnable.**

All 14" and larger fittings are foreign produced ductile iron. If domestic manufactured iron fittings are required, contact Victaulic for pricing and delivery.

+ Quoted on application. Contact Victaulic for pricing and availability.

# Products for AWWA Grooved End Pipe

Nominal Size		Reducing Lateral No. 30-CR			90° Long Radius Reducing Elbow No. 100-CR †		
		Wgt. Ea. lb.	Price Each		Wgt. Ea. lb.	Price Each	
inches	Tnemec 37-77		Cement Lined	Tnemec 37-77		Cement Lined	
30	x 12	+	+	+	+	+	+
	14	+	+	+	+	+	+
	16	+	+	+	+	+	+
	18	+	+	+	+	+	+
	20	+	+	+	+	+	+
	24	+	+	+	+	+	+
36	x 12	+	+	+	+	+	+
	14	+	+	+	+	+	+
	16	+	+	+	+	+	+
	18	+	+	+	+	+	+
	20	+	+	+	+	+	+
	24	+	+	+	+	+	+
	30	+	+	+	+	+	+

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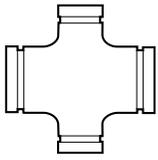
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+ Quoted on application. Contact Victaulic for pricing and availability.

# Products for AWWA Grooved End Pipe

## Reducing Fittings

Refer to publication 23.05



No. 35-CR  
Reducing Cross

### REDUCING FITTINGS – REDUCING CROSS

Nominal Size	Reducing Cross No. 35-CR			
	Wgt. Ea. lb	Price Each		
inches		Tnemec 37-77	Cement Lined	
4 x 3	+	+	+	
6 x 3	+	+	+	
4	+	+	+	
8 x 4	+	+	+	
6	+	+	+	
10 x 4	+	+	+	
6	+	+	+	
8	+	+	+	
12 x 4	+	+	+	
6	+	+	+	
8	+	+	+	
10	+	+	+	
14 x 6	+	+	+	
8	+	+	+	
10	+	+	+	
12	+	+	+	
16 x 6	+	+	+	
8	+	+	+	
10	+	+	+	
12	+	+	+	
14	+	+	+	
18 x 6	+	+	+	
8	+	+	+	
10	+	+	+	
12	+	+	+	
14	+	+	+	
16	+	+	+	

Nominal Size	Reducing Cross No. 35-CR			
	Wgt. Ea. lb	Price Each		
inches		Tnemec 37-77	Cement Lined	
20 x 6	+	+	+	
8	+	+	+	
10	+	+	+	
12	+	+	+	
14	+	+	+	
16	+	+	+	
18	+	+	+	
24 x 6	+	+	+	
8	+	+	+	
10	+	+	+	
12	+	+	+	
14	+	+	+	
16	+	+	+	
18	+	+	+	
20	+	+	+	
30 x 12	+	+	+	
14	+	+	+	
16	+	+	+	
18	+	+	+	
20	+	+	+	
24	+	+	+	
36 x 12	+	+	+	
14	+	+	+	
16	+	+	+	
18	+	+	+	
20	+	+	+	
24	+	+	+	
30	+	+	+	

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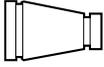
+ Quoted on application. Contact Victaulic for pricing and availability.

# Products for AWWA Grooved End Pipe

## Concentric Reducer

NO. 50-C

Refer to publication 23.05



### CONCENTRIC REDUCER

Nominal Size	Weight Each	Price Each	
		Tnemec 37-77	Cement Lined
inches	lb		
4 x 3	# 10.0	\$596.00	\$625.00
6 x 3	15.0	759.00	792.50
	# 16.5	759.00	792.50
8 x 4	# 28.0	1073.00	1127.00
	# 34.0	1073.00	1127.00
10 x 4	# 42.0	1624.00	1705.50
	# 46.0	1624.00	1705.50
	# 50.0	1624.00	1705.50
12 x 4	# 66.8	2367.00	2485.50
	# 70.0	2367.00	2485.50
	# 74.0	2367.00	2485.50
12 x 10	# 84.0	2367.00	2485.50
	# 89.0	+	+
14 x 6	102.0	3249.00	3411.50
	112.0	3249.00	3411.50
	126.0	3249.00	3411.50
16 x 6	+	+	+
	122.0	4971.50	5191.50
	135.0	4971.50	5191.50
	146.0	4971.50	5191.50
18 x 8	173.0	4971.50	5191.50
	158.0	7011.00	+

Nominal Size	Weight Each	Price Each		
		Tnemec 37-77	Cement Lined	
inches	lb			
18 x 12	173.0	\$6799.00	\$7158.50	
	200.0	6817.00	+	
	220.0	+	7158.50	
20 x 6	+	+	+	
	8	173.0	8337.50	8754.00
	10	182.0	8337.50	8754.00
	12	201.0	8337.50	8754.00
	14	230.0	8337.50	8754.00
	16	251.0	8337.50	8754.00
24 x 6	18	275.0	+	+
	8	+	+	+
	10	+	+	+
	12	293.0	12312.00	12927.00
	14	331.0	12312.00	12927.00
	16	358.0	12312.00	12927.00
30 x 6	18	386.0	12312.00	12927.00
	20	418.0	12312.00	12927.00
	18	+	+	+
	20	693.0	13356.00	14059.00
30 x 24	770.0	+	14059.00	
	1280.0	19280.50	20296.00	
36 x 24	1370.0	19280.50	20296.00	
	30	+	+	+

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All 14" and larger fittings are foreign produced ductile iron. If domestic manufactured iron fittings are required, contact Victaulic for pricing and delivery.

+ Quoted on application. Contact Victaulic for pricing and availability.

**# Cast Iron.**

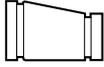
All fittings ductile iron unless otherwise noted.

# Products for AWWA Grooved End Pipe

## Eccentric Reducers

### NO. 51-C

Refer to publication 23.05



### ECCENTRIC REDUCERS

Nominal Size inches	Weight Each lb	Price Each	
		Tnemec 37-77	Cement Lined
4 x 3	12.0	\$739.00	\$776.50
6 x 3	20.0	921.00	965.00
	4	25.0	921.00
8 x 4	35.0	1332.50	1400.00
	6	44.0	1332.50
10 x 4	54.0	2024.50	2126.50
	6	60.0	2024.50
	8	70.0	2024.50
12 x 4	82.0	2942.50	3090.50
	6	84.0	2942.50
	8	91.0	2942.50
	10	110.0	2942.50
14 x 6	+	+	+
	8	+	+
	10	135.0	3373.50
	12	150.0	3373.50
16 x 6	+	+	+
	8	+	9833.00
	10	168.0	4519.50
	12	190.0	4230.00
14	+	4230.00	4453.00

Nominal Size inches	Weight Each lb	Price Each	
		Tnemec 37-77	Cement Lined
18 x 8	+	+	+
	10	+	+
	12	+	+
	14	+	+
20 x 10	+	+	+
	12	250.0	\$6733.00
	14	270.0	7308.00
	16	300.0	7901.50
24 x 12	+	+	+
	14	+	+
	16	+	+
	18	465.0	+
30 x 18	+	+	+
	20	+	+
	24	+	+
	30	+	+
36 x 20	+	+	+
	24	+	+
	24	+	+
	30	+	+

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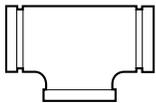
All 14" and larger fittings are foreign produced ductile iron. If domestic manufactured iron fittings are required, contact Victaulic for pricing and delivery.

+ Quoted on application. Contact Victaulic for pricing and availability.

## Bullhead Tee

### NO. 21-C

Refer to publication 23.05



### BULLHEAD TEE

Nominal Size inches	Weight Each lb	Price Each	
		Tnemec 37-77	Cement Lined
4 x 4 x 6	# 65.0	+	+
6 x 6 x 8	# 100.0	+	+
8 x 8 x 10	# 185.0	+	+
10 x 10 x 12	# 250.0	+	+

**NOTE: Items listed in shaded areas are non-cancellable and non-returnable.**

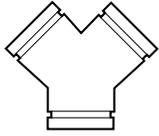
+ Quoted on application. Contact Victaulic for pricing and availability.

# Products for AWWA Grooved End Pipe

## True Wye

### NO. 33-C

Refer to publication 23.05



### TRUE WYE

Nominal Size inches	Weight Each lb	Price Each	
		Tnemec 37-77	Cement Lined
3	25.0	+	+
4	35.0	+	+
6	60.0	+	+
8	90.0	+	+
10	141.0	+	+
12	195.0	+	+
14	+	+	+
16	+	+	+
18	+	+	+
20	+	+	+
24	+	+	+
30	+	+	+
36	+	+	+

**NOTE: Items listed in shaded areas are non-cancellable and non-returnable.**

+ Quoted on application. Contact Victaulic for pricing and availability.

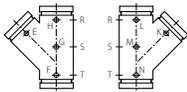
**If domestic manufactured and/or ductile iron fittings are required, contact Victaulic for pricing and availability.**

## Tapping Locations

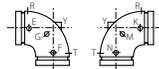
Refer to publication 23.05

### Tapped Fittings

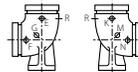
Victaulic can supply tapped fittings on order to ANSI B16.1 dimension locations. Specify fitting size, tap location by letter (as shown below) and tap size - NPT dimensions on order. Please add to fitting prices shown when tapping is required.



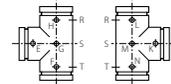
45° Lateral Straight & Reducing



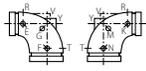
90° Elbow Straight Size



90° Base Elbow Straight & Reducing



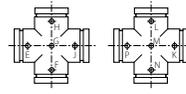
Tee Straight Size



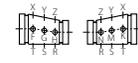
90° Elbow Reducing Size



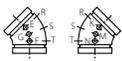
90° Elbow



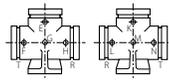
Cross Straight Size



Eccentric Reducer



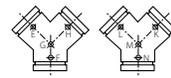
45° Elbow Base Fittings



Base Tee



Concentric Reducer



True "Y"

### CAST FITTINGS

Tap Size inches	Positions Y and V		Positions – Other	
	12" and below	14" and above	12" and below	14" and above
1/2	\$721.00	\$1069.50	\$607.50	\$938.50
3/4	721.00	1425.00	732.50	1006.00
1	775.00	1425.00	765.50	1081.50
1 1/4	1257.50	1662.00	794.50	1170.00
1 1/2	1324.50	1662.00	827.50	1170.00
2	1413.50	2134.00	935.00	1173.00
2 1/2	2824.50	+	1226.00	1476.00
3	3839.00	+	1357.50	1681.50

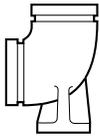
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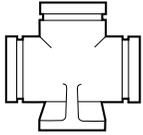
# Products for AWWA Grooved End Pipe

## Base Fittings

Refer to publication 23.05



No. 10-CB  
90° Base Elbow



No. 20-CB  
Base Tee

### BASE FITTINGS – 90° BASE ELBOW OR BASE TEE

Nom. Size	90° Base Elbow No. 10-CB			Base Tee No. 20-CB		
	Weight Each lb	Price Each		Weight Each lb	Price Each	
		Tnemec 37-77	Cement Lined		Tnemec 37-77	Cement Lined
3	19.0	\$1097.50	\$1152.00	19.0	+	\$899.50
4	23.6	1204.50	1265.50	26.0	+	1402.00
6	42.0	2051.00	2152.00	50.0	\$1846.00	1875.00
8	75.0	2712.50	2849.00	92.0	+	3257.50
10	114.0	4355.00	4571.50	115.0	+	5267.00
12	152.0	6262.50	6575.00	181.0	7203.50	7318.00
14	295.0	5818.00	6173.00	293.0	+	+
16	312.0	7256.50	7638.00	338.0	+	+
18	451.0	8631.00	9084.50	489.0	+	+
20	557.0	11749.50	12366.00	632.0	+	+
24	875.0	17322.50	18233.50	895.0	+	+
30	+	+	+	+	+	+
36	+	+	+	+	+	+

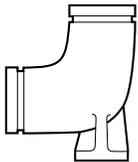
**NOTE: Items listed in shaded areas are non-cancellable and non-returnable.**

All 14" and larger fittings are foreign produced ductile iron. If domestic manufactured iron fittings are required, contact Victaulic for pricing and delivery.

+ Quoted on application. Contact Victaulic for pricing and availability.

Facing available, add **\$379.50**. Drilling available, add **\$146.00**. Facing and drilling, add **\$521.00**.

All fittings ductile iron unless otherwise noted.



No. 100-CB  
90° Base Long Radius Elbow

### BASE FITTINGS – 90° BASE LONG RADIUS ELBOW

Nom. Size	90° Base Long Rad. Elbow No. 100-CB		
	Weight Each lb	Price Each	
		Tnemec 37-77	Cement Lined
3	25.0	+	+
4	40.0	+	+
6	76.0	+	+
8	141.0	+	+
10	206.0	+	+
12	310.0	+	+
14	340.0	+	+
16	425.0	+	+
18	591.0	+	+
20	717.0	+	+
24	1056.0	+	+
30	+	+	+
36	+	+	+

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Facing available, add **\$379.50**. Drilling available, add **\$146.00**. Facing and drilling, add **\$521.00**.

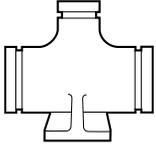
All fittings ductile iron unless otherwise noted.

# Products for AWWA Grooved End Pipe

## Reducing Base Tees

### NO. 25-CB

Refer to publication 23.05



No. 25-CB

### REDUCING BASE TEES

Nominal Size	Wgt. Ea.	Price Each	
		Tnemec 37-77	Cement Lined
4 x 3	60.0	+	+
6 x 3	91.0	+	+
6 x 4	90.0	+	+
8 x 4	162.0	+	+
8 x 6	163.0	+	+
10 x 4	225.0	+	+
10 x 6	231.0	+	+
10 x 8	231.0	+	+
12 x 4	312.0	+	+
12 x 6	313.0	+	+
12 x 8	318.0	+	+
12 x 10	358.0	+	+
14 x 6	+	+	+
14 x 8	+	+	+
14 x 10	+	+	+
14 x 12	+	+	+
16 x 6	+	+	+
16 x 8	+	+	+
16 x 10	+	+	+
16 x 12	+	+	+
16 x 14	+	+	+
18 x 6	+	+	+
18 x 8	+	+	+
18 x 10	+	+	+
18 x 12	+	+	+
18 x 14	+	+	+
18 x 16	+	+	+

Nominal Size	Wgt. Ea.	Price Each	
		Tnemec 37-77	Cement Lined
20 x 6	+	+	+
20 x 8	+	+	+
20 x 10	+	+	+
20 x 12	+	+	+
20 x 14	+	+	+
20 x 16	+	+	+
20 x 18	+	+	+
24 x 6	+	+	+
24 x 8	+	+	+
24 x 10	+	+	+
24 x 12	+	+	+
24 x 14	+	+	+
24 x 16	+	+	+
24 x 18	+	+	+
24 x 20	+	+	+
30 x 12	+	+	+
30 x 14	+	+	+
30 x 16	+	+	+
30 x 18	+	+	+
30 x 20	+	+	+
30 x 24	+	+	+
36 x 12	+	+	+
36 x 14	+	+	+
36 x 16	+	+	+
36 x 18	+	+	+
36 x 20	+	+	+
36 x 24	+	+	+
36 x 30	+	+	+

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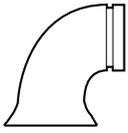
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All fittings ductile iron unless otherwise noted.

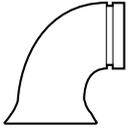
# Products for AWWA Grooved End Pipe

## Flares and Outlets

Refer to publication 23.05



No. 10-CF 90° Flare



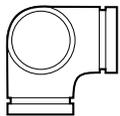
No. 100-CF 90° Long Radius Flare

### FLARES – 90° FLARE OR 90° LONG RADIUS FLARE

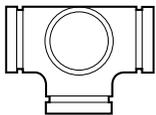
Nominal Size	90° Flare No. 10-CF			90° Long Rad. Flare No. 100-CF		
	Weight Each lb	Price Each		Weight Each lb	Price Each	
		Tnemec 37-77	Cement Lined		Tnemec 37-77	Cement Lined
3	18.0	+	+	23.0	+	+
4	35.0	+	+	42.0	+	+
6	70.0	+	+	68.0	+	+
8	120.0	+	+	118.0	+	+
10	157.0	+	+	188.0	+	+
12	190.0	+	+	275.0	+	+
14	235.0	+	+	+	+	+
16	+	+	+	+	+	+
18	+	+	+	+	+	+
20	+	+	+	+	+	+
24	+	+	+	+	+	+
30	+	+	+	+	+	+
36	+	+	+	+	+	+

**NOTE: Items listed in shaded areas are non-cancellable and non-returnable.**

+ Quoted on application. Contact Victaulic for pricing and availability.



No. 10-CS 90° Side Outlet



No. 20-CS Tee Side Outlet

### FLARES AND OUTLETS – 90° SIDE OUTLET OR TEE SIDE OUTLET

Nom. Size	90° Side Outlet No. 10-CS †			Tee Side Outlet No. 20-CS †		
	Weight Each lb	Price Each		Weight Each lb	Price Each	
		Tnemec 37-77	Cement Lined		Tnemec 37-77	Cement Lined
3	13.0	+	+	28.0	+	+
4	30.0	+	+	42.0	+	+
6	58.0	+	+	85.0	+	+
8	90.0	+	+	114.0	+	+
10	124.0	+	+	219.0	+	+
12	170.0	+	+	295.0	+	+
14	+	+	+	+	+	+
16	+	+	+	+	+	+
18	+	+	+	+	+	+
20	+	+	+	+	+	+
24	+	+	+	+	+	+
30	+	+	+	+	+	+
36	+	+	+	+	+	+

**NOTE: Items listed in shaded areas are non-cancellable and non-returnable.**

+ Quoted on application. Contact Victaulic for pricing and availability.

† Reducing side outlet tees and reducing 90° side outlets are available. Contact Victaulic for pricing and availability.

# Products for AWWA Grooved End Pipe

## Flares and Outlets

Refer to publication 23.05



No. 43-CF Straight Flare

### STRAIGHT FLARE

Nom. Size  inches	Weight Each lb	Straight Flare - No. 43-CF	
		Price Each	
		Tnemec 37-77	Cement Lined
3 x 8	13.0	+	+
4 x 8	17.0	+	+
6 x 8	23.0	+	+
8 x 10	43.0	+	+
10 x 10	58.0	+	+
12 x 12	90.0	+	+
14 x 12	160.0	+	+
16 x 16	+	+	+
18 x 16	+	+	+
20 x 18	+	+	+
24 x 18	+	+	+
30 x 24	+	+	+
36 x 24	+	+	+

**NOTE: Items listed in shaded areas are non-cancellable and non-returnable.**

+ Quoted on application. Contact Victaulic for pricing and availability.

# Cast Iron.

## Mechanical-T Spigot

### STYLE 926

For use with AWWA C151 Size Pipe

Refer to publication 11.07



Nominal Size inches	Approx. Wgt. Ea.  lb	COMPLETE MECHANICAL-T Spigot		SPARE PARTS	
		Price Each		O-Ring Grade "T" Price Each	U-Bolts/Nuts Price per Set •
Host Pipe x Outlet		Unlined	Rubber Lined †		
10 x 4	30.0	\$1446.00	\$2676.50	\$103.00	\$120.00
12 x 4	33.0	1649.00	2879.50	103.00	120.00
14 x 4	35.0	1853.50	3084.00	103.00	120.00
16 x 4	36.0	2061.00	3291.50	103.00	120.00
	44.0	2307.00	3537.50	137.00	120.00
18 x 4	37.0	2493.50	3724.00	103.00	120.00
	46.0	2701.00	3931.50	137.00	120.00
20 x 4	39.0	2841.50	4072.00	103.00	120.00
	47.0	2943.50	4174.00	137.00	120.00
24 x 4	41.0	2989.50	4220.00	103.00	120.00
	49.0	3273.50	4504.00	137.00	120.00
30 x 4	46.0	3868.00	5098.50	103.00	120.00
	54.0	4350.00	5580.50	137.00	120.00
36 x 6	58.0	5007.50	6238.00	137.00	120.00

\* Set consists of one 6, 8, or 10" U-bolt, two washers and two hex nuts.

† Standard rubber lining – ¼" thick, 40 durometer natural rubber lining. Other materials or thicknesses quoted upon request.

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# Pipe Preparation Tools



# Pipe Preparation Tools

## Cut Grooving Tools

**Notice:** When ordering a cut grooving tool, please specify standard steel or ductile iron (rigid or flexible).

### VG28GD (Gear Drive) \*



Includes tool set for grooving 4 – 6" standard steel pipe, crate, operating instructions, tool bit removal kit, 10" extension bar, depth stop adjustment tools, and one extra 2 – 3½" and 8" standard groove steel pipe tool bits.

**Capacities:** 2 – 8" steel (and other IPS) and 3 – 6" cast and ductile pipe (Additional bits required)

Tool Model	Part Number	Tool Weight/ Shipping Weight lb	Rental Per Month	Tool List Price
VG28GD (Gear Drive)	R000281AVG	37/56	\$1128.50	<b>\$19907.50</b>

\* NOTE: Victaulic Cut Grooving Tools require an external power source (see Power Mule in Pipe Preparation Tool Accessories).

**NOTE: Items listed in shaded areas are non-cancellable and non-returnable.**

Tool Ratings — Maximum Pipe Size Capacity			Pipe Size (in   mm)/Schedule							
Model	Pipe Material	Note	2 50	2½ 65	3 80	3½ 90	4 100	5 125	6 150	8 200
VG28GD	Steel	15, 16	40 – 80							40
	Stainless	15	40 – 80							
	Aluminum	15	40 – 80							
	Ductile Iron	15							Class 53 Min.	

15. Special knives and stops may be required.

16. Maximum steel pipe wall thickness up to 0.437"/11.1 mm.

#### VG28GD PARTS

Type Pipe	Type Groove	Pipe Size/ Tool Bit Marking inches   mm	Part Numbers	Purchase Price Each
AWWA # Cast and Ductile Iron	Standard (Rigid)	3 – 6/80 – 150 CIR *	RK03280G06	<b>\$554.50</b>
	Flexible	3 – 6/80 – 150 CIF	RK03280E06	<b>494.50</b>

# Carbide Tipped Tool Bits supplied for grooving cast and ductile pipe have one edge **not** suitable for resharpening.

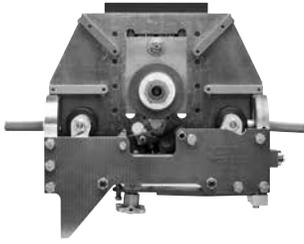
\* Requires Special Cast Iron Rigid Pipe Stops (Part No. R-016-280-AVG [2 required]).

NOTE: Special urethane covered Idler Roll (Part No. R-033-281-AVG) recommended for grooving glass lined pipe.

Thoroughly Read and Understand All Operating and Maintenance Instructions Before Attempting to Use any Victaulic Pipe Preparation Tools.

# Pipe Preparation Tools

## VG824 \*



Includes tool set for grooving 8 – 12” standard steel pipe, crate, operating instructions, tool bit removal kit, wrench and one extra 8 – 24” standard groove steel pipe tool bit.

**Capacities:** 8 – 24” steel (and other IPS) and 8 – 24” cast and ductile pipe (Additional bits required)

Note: Tools bits and stops for D.I. are optional. See below.

Tool Model	Part Number	Tool Weight/ Shipping Weight lb	Rental Per Month	Tool List Price
VG824	R000824AVG	82/135	\$2595.00	<b>\$33760.00</b>

\* NOTE: Victaulic Cut Grooving Tools require an external power source (see Power Mule in Pipe Preparation Tool Accessories).

**NOTE: Items listed in shaded areas are non-cancellable and non-returnable.**

Tool Ratings — Maximum Pipe Size Capacity			Pipe Size (in   mm)/Schedule									
Model	Pipe Material	Note	8 200	10 250	12 300	14 350	16 400	18 450	20 500	22 550	24 600	
VG824	Steel	15	40 – 80				30 – STD					
	Stainless		30 – STD									
	Aluminum		30 – STD									
	Ductile Iron		Class 53 Min.									

15. Special knives and stops may be required.

### VG824 PARTS

Type Pipe	Type Groove	Tool Bit			Pipe Stop		
		Pipe/Size Marking inches   mm	Part Numbers	Purchase Price Each	Pipe/Size Marking inches   mm	Part Numbers	Purchase Price Each
AWWA # Cast and Ductile Iron	Std. (Rigid)	8/200 CIR	RK08824G08	<b>\$501.00</b>	8/200 CI	R524824AVG	<b>\$953.50</b>
		10 – 12/250 – 300 CIR	RK10824G12	<b>501.00</b>	10 – 12/250 – 300 CI	R024824AVG	<b>953.50</b>
		14/350 CIR	RK14824G14	<b>501.00</b>	14/350 CI	R224824AVG	<b>999.00</b>
		16 – 24/400 – 600 CIR	RK16824G24	<b>501.00</b>	16 – 24/400 – 600 CI	R324824AVG	<b>840.50</b>
	Flexible	8 – 12/200 – 300 CIF	RK08824E12	<b>501.00</b>	8/200 CI	R524824AVG	<b>953.50</b>
		14 – 24/250 – 600 CIF	RK14824E24	<b>501.00</b>	10 – 12/250 – 300 CI	R024824AVG	<b>953.50</b>

# Carbide Tipped Tool Bits supplied for grooving cast and ductile pipe have one edge **not** suitable for resharping.

**NOTE: Items listed in shaded areas are non-cancellable and non-returnable.**

NOTE: Special urethane covered Idler Roll (Part No. R-201-824-AVG) recommended for grooving glass lined pipe. Center adjustable stop (Part. No. R-025-824-AVG) available.

Thoroughly Read and Understand All Operating and Maintenance Instructions Before Attempting to Use any Victaulic Pipe Preparation Tools.

# Pipe Preparation Tools

## VG412 Orbital Grooving Tool



Includes riser blocks and grooving heads for cut grooving 4 – 12" ductile iron rigid groove. Power drive supplied requires 120 volt, 11.5 amp electrical supply. Stand included at no extra charge.

**Capacities:** 4 – 12" ductile iron pipe

NOTE: Specifically designed for field closure pieces. Not suitable for production grooving.

Note: Tools bits and stops for D.I. are optional. See below.

Tool Model	Part Number	Tool Weight/ Shipping Weight lb	Rental Per Month	List Price
VG412 Orbital Grooving Tool	R000412AVG	270/365	\$2872.00	<b>\$56096.50</b>
Optional flexible spacer blocks: 4 – 6" /100 – 150 mm	N220412667	–	–	<b>376.00</b>
8" /200 mm	N220412668	–	–	<b>402.00</b>
10 – 12" /250 – 300 mm	N220412669	–	–	<b>430.50</b>

NOTE: Items listed in shaded areas are non-cancellable and non-returnable.

Tool Ratings — Maximum Pipe Size Capacity		Pipe Size (in   mm)/Schedule						
Model	Pipe Material	4 100	4½ 120	5 125	6 150	8 200	10 250	12 300
VG412	Steel	40 – 80						
	Ductile Iron	Class 53 Min.						

### VG412 PARTS

Type Pipe	Knife Style	Pipe Size Tool Bit Marking inches   mm	Part Numbers	Purchase Price Each
AWWA Cast and Ductile Iron #	Straight	4 – 6/100 – 150	N220412680	<b>\$405.00</b>
	Angled	4 – 6/100 – 150	N220412568	<b>405.00</b>
	Straight	8 – 12/200 – 300	N220412679	<b>405.00</b>
	Angled	8 – 12/200 – 300	N220412569	<b>405.00</b>
	Solid Cut-Off Blade			N275412055

# Carbide Tipped Tool Bits supplied for grooving cast and ductile pipe have one edge **not** suitable for resharpening.

## VG



*Vic-Groover* are designed for cut grooving a single size on standard size steel pipe. *Vic-Groover* are supplied with an extra tool bit and ratchet handle. 2" and larger tools include a power yoke.

NOTE: *Vic-Groover* not recommended for use with a hand-held power drive.

Size inches   mm	Style	VG Tool for Cast Pipe (Gray and Ductile)				Price
		OD	Weight	Part Number		
3/80	Rigid	3.960	20.0	R00R015CVG	<b>\$2962.00</b>	
3/80	Flexible	3.960	20.0	R00F015CVG	<b>2962.00</b>	
4/100	Rigid	4.800	26.0	R00R019CVG	<b>2962.00</b>	
4/100	Flexible	4.800	26.0	R00F019CVG	<b>2962.00</b>	
6/150	Rigid	6.900	27.0	R00R027CVG	<b>3048.00</b>	
6/150	Flexible	6.900	27.0	R00F027CVG	<b>3048.00</b>	
8/200	Rigid	9.050	40.0	R00R036CVG	<b>6142.50</b>	
8/200	Flexible	9.050	40.0	R00F036CVG	<b>6142.50</b>	

NOTE: Items listed in shaded areas are non-cancellable and non-returnable.

Tool Ratings — Maximum Pipe Size Capacity		Pipe Size (in   mm)/Schedule											
Model	Pipe Material	¾ 20	1 25	1¼ 32	1½ 40	2 50	2½ 60	3 80	3½ 90	4 100	5 125	6 150	8 200
VG	Ductile Iron											Cl. 53	Class 53 Min.

Thoroughly Read and Understand All Operating and Maintenance Instructions Before Attempting to Use any Victaulic Pipe Preparation Tools.

# Pipe Preparation Tools

## Pipe Preparation Tool Accessories

### Power Mule (External Power Source)

Electrical motor, gear driven, 2 hp power source for all Victaulic cut grooving tools with 1" drive connection, integral safety foot switch and reversible motor (requires 115/1/60-20 amp circuit\*).

**Capacities:** Victaulic grooving tools as noted.

\* 220V optional



Tool Model	Part Number	Tool Weight/ Shipping Weight lb	Rental Per Month	Tool List Price
Power Mule (External Power Source) – 110V	R200700MUL	190/205	\$1232.00	\$17203.00

**NOTE:** Items listed in shaded areas are non-cancellable and non-returnable.

### PT-100-A Go/No-Go Grooved Pipe Diameter Tape

Pocket-sized steel tapes are available for taking circumferential measurements on pipe sizes ¾ – 24". This diameter tape contains Go/No-Go markings on one side for use with ANSI B36.19 and many ISO-4200 pipe sizes, and diameter markings to 100th of an inch on the other side. Tapes are notched on the lead end to allow proper overlap within the groove for more accurate measurement.



Tool Model	Part Number	Purchase Price
PT100A Imperial Go/No-Go Grooved Pipe Diameter Tape Each	RW75-100-MCH	\$80.00
Box of 6	RW75-100-KIT	464.00

**NOTE:** Items listed in shaded areas are non-cancellable and non-returnable.

#### NOTICE

- Tape contains Go/No-Go markings on one side for use with ¾ – 24" pipe in ANSI B36.19 and many ISO-4200 sizes and is marked in 1/100th of an inch increments on the other side.
- The Go/No-Go side can be used to check cut or roll grooved pipe conformance to Victaulic original and Machined for Rubber Lining (MRL) (¾ – 12") and Advanced Groove System (AGS) (14 – 24") groove diameter specifications.
- Tapes are notched on the lead end to allow proper overlap within the groove for more accurate measurement.
- The Go/No-Go side of the tape is not intended for use on sizes 76.1; 139.7; 165.1; 165.2; 216.3; 267.4; and 318.5 mm steel or stainless steel pipe sizes. For cast or ductile iron pipe sizes (up to 20"), copper tube sizes, and the steel and stainless steel pipe sizes listed above, use the side of the tape marked in 0.01" increments.
- The Go/No-Go pipe tape is a quick reference guide only. To ensure proper grooving dimensions, always refer to the I-100 Victaulic Field Installation Handbook or to the latest groove specifications publications located on [www.victaulic.com](http://www.victaulic.com).

Thoroughly Read and Understand All Operating and Maintenance Instructions Before Attempting to Use any Victaulic Pipe Preparation Tools.

# Pipe Preparation Tools

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## TERMS AND CONDITIONS OF TOOL RENTAL

- 1. AGREEMENT.** Lessor rents to Lessee and Lessee leases from Lessor the grooving tools and accessories listed on a Grooving Tool Rental Agreement, hereinafter leased property, for the term specified, commencing when the leased property is delivered to carrier for delivery to Lessee.
- 2. RENTAL RATE.** Lessee agrees to pay rent at the monthly rates in effect at the time the rental order is placed, and at the time of invoicing for subsequent months as specified in the current tool published price list. If the lease is terminated any time during a month, rental charges will be prorated on a daily basis, with a minimum of one week charge or \$50 whichever is greater. Payment of invoices that will be issued at the end of each billing month is due in 30 days from date of invoice.
- 3. ON-ACCOUNT PREPAYMENT.** At the Lessor's option, an on-account prepayment may be required of the Lessee to establish credit. When required, the cheque of the amount specified by the Lessor must be given to the Lessor to execute the agreement. Upon termination of the lease the amount, less any open invoices or payment for damages by reason of other than normal recommended use, shall be returned.
- 4. FREIGHT.** To Lessee: F.O.B. Shipping point (lessors option), freight charges collect Lessee shall pay shipping charges for return of leased property.
- 5. USE.** All leased property is for the exclusive use of Lessee only, and may not be sublet or loaned to or used by any other party without the prior written consent of the Lessor.
- 6. OWNERSHIP.** Lessee acknowledges that title to the leased property is and shall remain in Lessor at all times.
- 7. TAXES.** Lessee shall pay all taxes, assessments, license and registration fees levied on or in respect of the leased property, or the rental thereof, during currency of this lease. Lessee shall pay all sales taxes invoiced by Lessor unless the Lessor provides a valid tax exemption certificate.
- 8. ACCESS.** Lessor shall at all times have free access to the leased property and to the premises on which it is located for the purpose of examining the property.
- 9. RETURN OF PROPERTY.** Lessee shall return all leased property to Lessor in good order and condition, reasonable wear and tear expected, upon termination of the lease, and shall return the leased property, properly crated, freight prepaid and insured for its full market value to Lessor at main or branch warehouse. If Lessee fails to return the leased property upon lease termination, Lessee shall continue to be liable to pay rent until so returned, and Lessor shall also have the complete unrestricted right to remove the leased property from Lessee's premises, without recourse to any legal proceedings.
- 10. REPAIRS AND SERVICING.** If leased property, excluding Tool Bits, becomes worn or unserviceable from normal recommended use, Lessor will supply tools and/or parts, without additional cost, upon return of the leased property to Lessor, freight prepaid in accordance with item #9.
- 11. DAMAGE OR LOSS.** If leased property is damaged by reason of other than normal recommended use, or damaged by fire, loss or theft, Lessee shall indemnify Lessor for the cost of repairs or replacement. If leased property is not returned to Lessor in accordance with the terms of this agreement, Lessee shall pay to the Lessor as liquidated damages an amount equal to the published net user price of the leased property. If leased property is returned less the container wrench set or other accessories supplied with the leased tool, Lessee shall pay to the Lessor the cost of replacement by the Lessor.
- 12. LIABILITY.** Lessee assumes full responsibility for the operation of the leased property and agrees to hold Lessor harmless from any and all claims for injuries or damages arising out of the use of the leased property except those occasioned by Lessor's negligence. Lessor makes no representation or warranty is no condition expressed or implied, statutory or otherwise, concerning the leased property, its quality, fitness for particular purpose or merchantability except as herein otherwise expressly provided Lessor shall under no circumstances have any liability, including without limitation, liability for consequential damages occasioned by the use or operation or leasing of the leased property hereunder.
- 13. REMEDIES ON DEFAULT.** If the Lessee fails to pay any rent or other amount herein provided and such failure continues for a period of 15 days after the due date for such payment, the Lessor may by notice in writing at its option declare the term of this lease to be terminated (whereupon all future payments shall become immediately due and payable hereunder as liquidated damages for loss of a bargain and not as a penalty) whereupon the Lessee shall forthwith redeliver the leased property to the Lessor at the Lessee's sole cost and expense and otherwise in accordance with the provisions of paragraph #9 hereof.

EFFECTIVE OCTOBER 1, 2008

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## Warranty

Standard product warranty applies. See Inside Back Cover.

Thoroughly Read and Understand All Operating and Maintenance Instructions Before Attempting to Use any Victaulic Pipe Preparation Tools.

# Pipe Preparation Tools

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Engineered Products . . .

## Prompt Solutions to Piping Problems



Slotted Tee



144" Coupling

The Engineered Products Group provides over 100 years of combined Victaulic experience. The combination of sales, engineering, and procurement specialists is skilled in problem solving for your piping needs. We provide unique and unusual solutions to challenging piping applications, product needs and material requirements.

- 24 – 48 hour quotation target response
  - Special materials, custom coatings, for unique applications and special delivery schedules
  - Staffed with sales, engineering, and procurement specialists
- 

### SPECIAL MATERIALS

Alloys, nonferrous, plastics

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### SPECIAL COATINGS AND LININGS

Epoxy, urethane, nickel plating, anodizing and others  
Glass lining and rubber lining

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### SPECIAL APPLICATIONS

Nonstandard ANSI, ASTM, ASME, API, CSA and others

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### NEW PRODUCTS

Large diameter couplings and fittings  
Changes to existing products, or extensions to the present line

**Do not hesitate to call for items not shown on this price list.**

Thoroughly Read and Understand All Operating and Maintenance Instructions Before Attempting to Use any Victaulic Pipe Preparation Tools.

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## Terms and Conditions of Sale

Terms and Conditions of Sale to Victaulic Distributors

1. **SALES TAX** is extra where applicable.
2. **TERMS OF PAYMENT** are net 30 days.
3. **MINIMUM INVOICE CHARGE** is \$100.00 net for any single order.
4. **SHIPPING TERMS** F.O.B. Shipping Point (our option), Freight prepaid and allowed on single orders having a net price value of \$8,500 and over, for shipment at one time to distributor's warehouse excluding the Northwest Territories, the Yukon and Nunavut. Freight Collect on single orders less than \$8,500 net. Special shipping methods or packaging are available at the distributor's expense. Additional freight charges may be incurred for specific product lines (i.e. large diameter couplings, fittings, valves and expansion compensators).
5. **ROUTING** The most economical routing to recognized delivery points will be used at our discretion. If special routing is desired, order should so state.
6. **SHIPMENT DATE** We accept your order subject to the approval of our Credit Department and contingent upon strikes, accidents and causes beyond our control and to the conditions hereafter set out. Victaulic will endeavour to ship by the scheduled delivery date, but reserves the right to ship within a reasonable period thereafter. Under no circumstances shall Victaulic be liable for damages of any kind, including but not limited to incidental or consequential damages for lost profits or lost sales or liquidated damages, directly or indirectly arising from delays or failure to meet shipping dates.
7. **SHORTAGES** All material is carefully examined, counted and packed by experienced employees. **Claims for corrections must be made within 10 days of receipt of goods.** We prove our count by weight. Claims for shortages are subject to that test.
8. **SHIPPING LOSS, DAMAGE OR DELAY** All shipped material become the property of the buyer when the freight company takes delivery of the products even if prices quoted includes freight charges. The freight company is responsible to the buyer for complete and safe delivery of the goods. It is the buyer's responsibility to file claim with the freight company of any loss, damage or incomplete delivery of goods purchased. For your own protection, have the transportation company's agent verify damages, shortages or transport delays and note them on freight bill over his signature. Victaulic's responsibility ceases when goods are delivered to the carrier in good condition and its receipt obtained.
9. **CANCELLATIONS** Orders accepted cannot be countermanded without our written consent. Orders for all non-standard (non-cancellable and non-returnable) items whether in the price list and indicated by prices in shaded areas, or made to order, cannot be cancelled.
10. **MATERIAL RETURNS** Sale is final of all non-standard (non-cancellable and non-returnable) items, whether in the price list and indicated by prices in shaded areas, or made to order. Victaulic reserves the right to change the standard/non-standard item designation without notice. Return will be authorized for such material only in the case of Victaulic shipping or order processing error that is reported in no more than 10 days of shipment. Surplus Victaulic products that are accepted for return will be authorized with a Return Material Authorization (RMA) number and an estimate of credit that is based on original invoice amounts. Any material returned to Victaulic will be accepted only if clearly marked with an RMA number and received in one shipment. Credit will be offered only for standard price list items (indicated by prices not shaded) that can be made resalable. Valves must be resalable and packaged as originally shipped. Valves will not be refurbished. Sprinkler heads must be returned in unopened original factory standard lot packaging and in resalable condition without evidence of tampering or damage. No credit will be given for gaskets whether loose or in couplings. Final credit will be less a 35% restocking charge, refurbishing costs and original freight paid. On amounts returned with a net value totaling under \$500, the restocking fee will be \$175 minimum. Further conditions may apply on return of certain materials. Contact Victaulic for details when considering a return.
11. **CHANGES TO TERMS** No alteration, modification or waiver of these terms and conditions whether on customer's purchase order or otherwise shall be valid unless the change is specifically accepted in writing by an authorized representative of Victaulic.

Victaulic Company of Canada maintains a continual policy of product improvement and, therefore, reserves the right to change prices, terms and conditions of sale, product specifications, designs, and standard equipment without notice and without incurring obligation.

## Warranty

We warrant all products to be free from defects in materials and workmanship under normal conditions of use and service. Our obligation under this warranty is limited to repairing or replacing at our option at our factory any product which shall within one year after delivery to original buyer be returned with transportation charges prepaid, and which our examination shall show to our satisfaction to have been defective.

THIS WARRANTY IS MADE EXPRESSLY IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THE BUYER'S SOLE AND EXCLUSIVE REMEDY SHALL BE FOR THE REPAIR OR REPLACEMENT OF DEFECTIVE PRODUCTS AS PROVIDED HEREIN. THE BUYER AGREES THAT NO OTHER REMEDY (INCLUDING, BUT NOT LIMITED TO, INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR LOST PROFITS, LOST SALES, INJURY TO PERSON OR PROPERTY OR ANY OTHER INCIDENTAL OR CONSEQUENTIAL LOSS) SHALL BE AVAILABLE TO HIM.

Victaulic neither assumes nor authorizes any person to assume for it any other liability in connection with the sale of such products.

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EFFECTIVE FEBRUARY 1, 2016

PRODUCTS GROOVED END PIPE

# AWWA PRICE LIST

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