



VICTAULIC BOLTED SPLIT-SLEEVE PRODUCTS

# VBSP PRICE LIST

PL2024-VBSP  
Effective May 1, 2024



# ENGINEERING CONFIDENCE INTO EVERY BUILD



Around the world and across diverse business lines, Victaulic provides durable pipe joining solutions that solve the construction industry's toughest challenges.

Since 1919, Victaulic's innovative piping products and design services continue to **increase construction productivity** and **reduce risk, ensuring projects are completed safely, on time and within budget.**

With more than 40 international facilities, Victaulic helps customers in 140 countries succeed in the global construction industry.

FIRE PROTECTION | HVAC | PLUMBING | OIL & GAS | MINING | WATER & WASTEWATER | POWER GENERATION | MARITIME



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# Bolted Split-Sleeve Couplings

## O-ring/Gasket Selection Guide

GRADE	TEMP. RANGE*	COMPOUND	GENERAL SERVICE GUIDELINES
<b>O-Rings</b>			
<b>E</b>	-30°F to +230°F -34°C to +110°C	EPDM	Cold and hot water within allowable temperature range; dilute acids; resistance to the deteriorative effects of ozone, oxygen, heat and most chemicals not involving hydrocarbons. <b>NOT COMPATIBLE FOR USE WITH PETROLEUM SERVICES OR STEAM SERVICES.</b>
<b>L</b>	-30°F to +350°F -34°C to +177°C	Silicone	Dry, hot air applications; resistance to many chemicals. <b>NOT COMPATIBLE FOR USE WITH HOT WATER OR STEAM SERVICES.</b>
<b>I</b>	-40°F to +160°F -40°C to +71°C	Isoprene	Water; saltwater; sewage; resistance to oxygen and dilute acids.
<b>Gaskets</b>			
<b>T</b>	-20°F to +180°F -28°C to +82°C	Nitrile	Water; petroleum products, vegetable and mineral oils; air with oil vapors within allowable temperature.
<b>O</b>	+20°F to +300°F -7°C to +149°F	Fluoroelastomer	Resistance to heat and most chemicals.
<b>V</b>	-30°F to +180°F -34°C to +82°C	Neoprene	Water and wastewater; resistance to ozone, effects of UV and some oils.

\* 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.

# Bolted Split-Sleeve Couplings

## Victaulic Bolted Split-Sleeve Couplings Quote Check Sheet



Send inquiries to: [projectcoordination@victaulic.com](mailto:projectcoordination@victaulic.com) or fax to: 610-923-3477  
To speak with a Customer Service representative in the US, please call 1-800-PICK-VIC  
In Canada, please email [vcoc\\_spr@victaulic.com](mailto:vcoc_spr@victaulic.com) or fax 905-884-9774

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:

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:

### PROJECT REQUIREMENTS:

<input type="checkbox"/> Domestic Only Legislative Act:	<input type="checkbox"/> Material Traceability
<input type="checkbox"/> Material Certifications	

### APPLICATION DATA:

PIPE MATERIAL:			
<input type="checkbox"/> CARBON STEEL	<input type="checkbox"/> STAINLESS STEEL	<input type="checkbox"/> DUCTILE IRON	<input type="checkbox"/> CAST IRON
<input type="checkbox"/> CONCRETE (RCCP/PPP)	<input type="checkbox"/> FIBERGLASS (FRP/GRP)	<input type="checkbox"/> HDPE (SDR: / ID)	<input type="checkbox"/> OTHER:

SERVICE DATA:			
SERVICE TYPE:	<input type="checkbox"/> Air <input type="checkbox"/> Water <input type="checkbox"/> Potable Water <input type="checkbox"/> Wastewater <input type="checkbox"/> Other:		
SERVICE PRESSURE:	Working Pressure:	Test Pressure:	Surge Pressure:
SERVICE TEMPERATURE	MIN. °F/°C:	Max. °F/°C:	

# Bolted Split-Sleeve Couplings



## Victaulic Bolted Split-Sleeve Couplings Quote Check Sheet

**NOTE:** Please fill out the information below completely as possible to ensure receiving the most accurate quote and to expedite the process.

### PRODUCTS AVAILABLE FOR QUOTE:

Style 229S Non-Restrained Coupling	Style 230/230S Non-Restrained Coupling	Style 231/231S Expansion Coupling
Style 232/232S Restrained Coupling	Style 233/233S Restrained Coupling for Joint Deflection	Style 234/234S Restrained Single Gasket Coupling

### COUPLING DATA:

QTY	ACTUAL PIPE OD	COUPLING STYLE #	# OF HOUSING SEGMENTS	AXIAL MOVEMENT REQUIRED (Style 231/231S only)	COMMENTS

### COUPLING DETAIL REQUIREMENTS:

O-RING/GASKET MATERIAL:	Standard:	<input type="checkbox"/> EDPM	<input type="checkbox"/> Silicone	<input type="checkbox"/> Isoprene
	Optional:	<input type="checkbox"/> Nitrile	<input type="checkbox"/> Fluoroelastomer (Viton*)	<input type="checkbox"/> Neoprene
		<input type="checkbox"/> Split for field bonding (not available for Silicone)	<input type="checkbox"/> Built-In (limited availability/contact Victaulic)	<input type="checkbox"/> Other:
HARDWARE:	<input type="checkbox"/> Carbon Steel (Zinc Plated)	<input type="checkbox"/> Stainless Steel (Type 316)	<input type="checkbox"/> Other:	
LINING/COATING:	<input type="checkbox"/> Tnemec 140-1211 Liquid Epoxy	<input type="checkbox"/> Corvel 10-7208 Fusion Bonded Epoxy	<input type="checkbox"/> Other:	
	<input type="checkbox"/> Water Based Enamel, Black	<input type="checkbox"/> Water Based Enamel, Orange	<input type="checkbox"/> Unfinished	

### COUPLING OPTIONS:

STYLE 230/230S ADD-ONS:	<input type="checkbox"/> Pipe Stops	<input type="checkbox"/> Insulating Sleeves Sleeve Material (EPDM Standard):
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### INSTALLATION TOOLS:

MANUAL:	CTM-01 (small manual closure tool) QTY:	CTM-02 (large manual closure tool) QTY:
HYDRAULIC:	CTH-01 (10-ton hydraulic closure tool) QTY:	CTH-02 (25-ton hydraulic closure tool) QTY:

### SPARE/REPLACEMENT COMPONENTS (must provide coupling data above of previous order # for reference):

<input type="checkbox"/> HARDWARE SET (B/N/W):	<input type="checkbox"/> Carbon Steel (Zinc Plated)	<input type="checkbox"/> Stainless Steel (Type 316)	<input type="checkbox"/> Other:
<input type="checkbox"/> RESTRAINT RING:	<input type="checkbox"/> Carbon Steel (ASTM A108 1018)	<input type="checkbox"/> Stainless Steel (ASTM A276 316L)	<input type="checkbox"/> Other:
<input type="checkbox"/> O-RING/GASKET:	Material:	<input type="checkbox"/> Split for field bonding (not available for Silicone)	
<input type="checkbox"/> SEALING PLATE:	Pad Material:		

**NOTE:** Replacement components may require additional details about the coupling(s). To ensure that replacement parts will fit your product application, your previous purchase order number or a Victaulic customer order number may be helpful in determining the correct size/materials of components. Please contact Victaulic for assistance.

\*Viton is a registered trademark of Dupont

# Bolted Split-Sleeve Couplings

## Style 229S

### NON-RESTRAINED FLEXIBLE COUPLING FOR FRP PIPE ODOR CONTROL SYSTEMS

Non-Restrained Flexible Mechanical Coupling for FRP Pipe Odor Control Systems  
Refer to publication 60.16



#### STYLE 229S – NON-RESTRAINED FLEXIBLE COUPLING FOR FRP PIPE ODOR CONTROL SYSTEMS

PIPE		Max. Work Press.	No.	Approx. Wgt. Ea.	COUPLING COMPLETE with EPDM or Isoprene O-Ring	SPARE PARTS	
inches (1) (2)						psi (3)	Segments (4)
Nom. Dia.	Actual Pipe O.D. Range	No.	Dia. x Length				
6	5.00 – 6.88	25	1	12.0	\$4241.50	3	1/2 x 3 3/4
8	7.00 – 8.88	25	1	20.0	5672.50	3	5/8 x 5
10	9.00 – 10.88	25	1	23.0	5884.50	3	5/8 x 5
12	11.00 – 12.88	25	1	27.0	6119.50	3	5/8 x 5
14	13.00 – 14.88	25	1	30.0	6379.50	3	5/8 x 5
16	15.00 – 16.88	25	1	67.0	6754.50	3	5/8 x 5
18	17.00 – 18.88	25	1	72.0	7012.00	3	5/8 x 5
20	19.00 – 21.88	25	1	78.0	7410.50	3	5/8 x 5
24	22.00 – 26.88	25	1	123.0	8128.50	3	5/8 x 5
30	27.00 – 32.88	25	1	329.0	8902.50	3	5/8 x 5
36	33.00 – 38.88	25	2	377.0	13386.50	6	5/8 x 5
42	39.00 – 44.88	25	2	638.0	14384.50	6	5/8 x 5
48	45.00 – 50.88	25	2	709.0	18023.50	6	3/4 x 6
54	51.00 – 56.88	25	2	780.0	19081.50	6	3/4 x 6

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

See product submittal for recommended assembly tool.

\* Coupling complete price includes coupling body, fasteners, o-rings, and sealing plate(s).

Note: This data applies when stainless steel couplings are being used on FRP/GRP.

- (1) Bolted-split-sleeve couplings must be used on pipe with a minimum wall thickness that meets the requirements of AWWA C200 for carbon steel or C220 for stainless steel.
- (2) For an actual pipe O.D., round down to the nearest 1/8" to determine proper coupling size required.
- (3) For allowable test or transient pressure, the maximum working pressure may be increased to 1 1/2 times the values shown. For pressure ratings on pipe materials other than stainless steel, please contact Victaulic for details.
- (4) One-segment couplings may be available as two-segment couplings to allow for in-place pipe installations. Contact Victaulic for details.
- (5) Coupling weights are based on nominal pipe diameter and include all accessories. Weight may vary based on actual size of pipe.

# Bolted Split-Sleeve Couplings

## Style 229S Spare Parts

### NON-RESTRAINED FLEXIBLE COUPLING FOR FRP PIPE ODOR CONTROL SYSTEMS

Non-Restrained Flexible Mechanical Coupling for FRP Pipe Odor Control Systems  
Refer to publication 60.16



#### STYLE 229S - SPARE PARTS

PIPE		Max. Work Press.	SPARE PARTS		
inches			EPDM or Isoprene O-Ring	Segments	Sealing Plate †
Nom. Dia.	Actual Pipe O.D. Range	psi	Price Per 2	No.	Price Each
6	5.00 – 6.88	25	\$878.00	1	\$1312.50
8	7.00 – 8.88	25	913.50	1	1505.00
10	9.00 – 10.88	25	946.00	1	1505.00
12	11.00 – 12.88	25	946.00	1	1505.00
14	13.00 – 14.88	25	982.50	1	1505.00
16	15.00 – 16.88	25	1182.50	1	1505.00
18	17.00 – 18.88	25	1012.50	1	1505.00
20	19.00 – 21.88	25	1012.50	1	1505.00
24	22.00 – 26.88	25	1146.50	1	1505.00
30	27.00 – 32.88	25	1212.00	1	1505.00
36	33.00 – 38.88	25	1279.50	1	1505.00
42	39.00 – 44.88	25	1348.00	1	1505.00
48	45.00 – 50.88	25	1417.00	1	1505.00
54	51.00 – 56.88	25	1492.50	1	1505.00

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

† Number of sealing plates required equals number of housing segments.

NOTE: O-rings are priced as a set of 2.



# Bolted Split-Sleeve Couplings

## Style 230

### NON-RESTRAINED FLEXIBLE COUPLING

(Formerly ExE)  
Non-Restrained Flexible Mechanical Coupling  
Refer to publication 60.01



STYLE 230 – NON-RESTRAINED FLEXIBLE COUPLING

PIPE		Max. Work Press.	No.	Apprx. Wgt. Ea.	COUPLING COMPLETE			Coating Adder	SPARE PARTS	
inches (1) (2)		psi (3)	Segments (4)	lb (5)	with EPDM, Isoprene, or Silicone O-Ring	with Nitrile O-Ring	with Neoprene O-Ring	Fusion Bonded Nylon Coating	Fasteners	Fastener Dimension
Nom. Dia.	Actual Pipe O.D. Range				Price Each * (6)					
8	7.00 - 8.88	200	1	20.0	\$4201.50	\$4315.50	\$4431.50	\$267.00	3	5/8 x 5
10	9.00 - 10.88	200	1	23.0	4962.50	5113.00	5225.50	342.50	3	5/8 x 5
12	11.00 - 12.88	200	1	27.0	5166.00	5316.00	5466.00	381.50	3	5/8 x 5
14	13.00 - 14.88	200	1	30.0	5370.50	5558.50	5707.50	418.00	3	5/8 x 5
16	15.00 - 16.88	200	1	43.0	5807.50	5995.50	6183.00	499.00	3	3/4 x 6
		300	1	58.0	8812.50	9261.50	9674.00	529.00	3	3/4 x 6
18	17.00 - 18.88	200	1	46.0	6012.00	6237.00	6424.00	569.00	3	3/4 x 6
		300	1	63.0	9278.50	9765.50	10215.00	569.00	3	3/4 x 6
20	19.00 - 21.88	200	1	51.0	6332.00	6595.50	6785.50	643.00	3	3/4 x 6
		300	1	69.0	9862.50	10424.00	10911.50	643.00	3	3/4 x 6
24	22.00 - 26.88	100	1	59.0	7033.50	7445.00	7782.00	942.50	3	3/4 x 6
		200	1	81.0	11289.00	12076.00	12827.00	942.50	3	3/4 x 6
		300	1	109.0	13098.00	13885.00	14635.50	942.50	4	3/4 x 6
30	27.00 - 32.88	100	1	70.0	7705.00	8192.00	8640.50	1128.50	3	3/4 x 6
		200	1	132.0	14644.50	15618.50	16556.00	1128.50	4	3/4 x 6
		300	2	280.0	23682.00	24880.00	25968.00	1128.50	8	7/8 x 8
36	33.00 - 38.88	75	1	81.0	8724.50	9286.50	9811.50	1169.50	3	3/4 x 6
		200	1	155.0	16508.50	17673.00	18757.00	1169.50	4	3/4 x 6
		300	2	321.0	25812.00	27236.00	28550.00	1169.50	8	7/8 x 8
42	39.00 - 44.88	50	1	93.0	9598.50	10274.00	10874.50	1169.50	3	3/4 x 6
		150	1	177.0	18200.00	19551.50	20825.00	1169.50	4	3/4 x 6
		250	2	362.0	28086.00	29733.00	31232.50	1169.50	8	7/8 x 8
		300	2	561.0	36744.00	38694.50	40532.50	1169.50	8	1 x 8

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

See product submittal for recommended assembly tool.

\* Coupling complete price includes coupling body, fasteners, o-rings, and sealing plate(s).

Note: This data applies when carbon steel couplings are being used on carbon steel pipe. For feasibility and performance on other types of pipe contact Victaulic.

(1) Bolted-split-sleeve couplings must be used on pipe with a minimum wall thickness that meets the requirements of AWWA C200 for carbon steel or C220 for stainless steel.

(2) For an actual pipe O.D., round down to the nearest 1/8" to determine proper coupling size required.

(3) For allowable test or transient pressure, the maximum working pressure may be increased to 1 1/2 times the values shown. For pressure ratings on pipe materials other than carbon steel, please contact Victaulic for details.

(4) One-segment couplings may be available as two-segment couplings to allow for in-place pipe installations. Contact Victaulic for details.

(5) Coupling weights are based on nominal pipe diameter and include all accessories. Weight may vary based on actual size of pipe.

(6) Fluoroelastomer o-rings are available for an additional charge. Please specify when ordering.

(7) Optional coatings available upon request. Contact Victaulic for details. Please refer to the product numbering chart for all available coatings. Coatings must be specified at time of order.

# Bolted Split-Sleeve Couplings

## Style 230

### NON-RESTRAINED FLEXIBLE COUPLING

(Formerly ExE)  
Non-Restrained Flexible Mechanical Coupling  
Refer to publication 60.01

#### STYLE 230 – NON-RESTRAINED FLEXIBLE COUPLING

PIPE		Max. Work Press.	No.	Apprx. Wgt. Ea.	COUPLING COMPLETE			Coating Adder	SPARE PARTS	
inches (1) (2)		psi (3)	Segments (4)	lb (5)	with EPDM, Isoprene, or Silicone O-Ring	with Nitrile O-Ring	with Neoprene O-Ring	Fusion Bonded Nylon Coating	Fasteners	Fastener Dimension
Nom. Dia.	Actual Pipe O.D. Range				Price Each * (6)				Price Each (7)	No.
48	45.00 - 50.88	50	1	104.0	\$10708.00	\$11459.00	\$12169.00	\$1169.50	3	3/4 x 6
		150	1	199.0	19802.50	21340.50	22766.00	1169.50	4	3/4 x 6
		250	2	403.0	30300.50	32175.50	33900.50	1169.50	8	7/8 x 8
		300	2	626.0	39894.00	42105.50	44205.50	1169.50	8	1 x 8
54	51.00 - 56.88	100	1	261.0	23565.50	25628.50	27615.00	1169.50	4	7/8 x 8
		200	2	459.0	34383.00	36858.00	39181.00	1169.50	8	7/8 x 8
		300	2	691.0	42868.00	45344.00	47668.00	1169.50	8	1 x 8
		350	2	834.0	45579.50	48055.50	50376.50	1169.50	8	1 x 8
		400	2	1245.0	53949.00	56011.50	57998.50	1169.50	10	1 1/4 x 10
60	57.00 - 62.88	100	2	321.0	28289.50	30577.00	32752.50	1169.50	8	7/8 x 8
		200	2	502.0	36715.50	39454.00	42039.50	1169.50	8	7/8 x 8
		250	2	756.0	45987.50	48723.50	51310.50	1169.50	8	1 x 8
		300	2	912.0	49020.50	51758.50	54344.00	1169.50	8	1 x 8
		400	2	1358.0	57768.50	60054.50	62228.50	1169.50	10	1 1/4 x 10
66	63.00 - 68.88	175	2	536.0	38842.50	41841.50	44692.00	1169.50	8	7/8 x 8
		250	2	805.0	48933.00	51932.50	54781.50	1169.50	8	1 x 8
		300	2	990.0	52635.00	55636.50	58483.50	1169.50	8	1 x 8
		350	2	1445.0	60887.00	63399.00	65799.50	1169.50	10	1 1/4 x 10
		400	2	1767.0	66369.50	68880.50	71281.50	1169.50	10	1 1/4 x 10
72	69.00 - 74.88	175	2	579.0	42110.00	45372.00	48481.00	1169.50	8	7/8 x 8
		200	2	870.0	53160.50	56423.00	59533.00	1169.50	8	1 x 8
		250	2	1069.0	57184.50	60447.50	63557.50	1169.50	8	1 x 8
		300	2	1564.0	65232.00	67969.50	70594.00	1169.50	10	1 1/4 x 10
		400	2	1917.0	71180.00	73916.50	76542.50	1169.50	10	1 1/4 x 10

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

See product submittal for recommended assembly tool.

\* Coupling complete price includes coupling body, fasteners, o-rings, and sealing plate(s).

Note: This data applies when carbon steel couplings are being used on carbon steel pipe. For feasibility and performance on other types of pipe contact Victaulic.

(1) Bolted-split-sleeve couplings must be used on pipe with a minimum wall thickness that meets the requirements of AWWA C200 for carbon steel or C220 for stainless steel.

(2) For an actual pipe O.D., round down to the nearest 1/8" to determine proper coupling size required.

(3) For allowable test or transient pressure, the maximum working pressure may be increased to 1 1/2 times the values shown. For pressure ratings on pipe materials other than carbon steel, please contact Victaulic for details.

(4) One-segment couplings may be available as two-segment couplings to allow for in-place pipe installations. Contact Victaulic for details.

(5) Coupling weights are based on nominal pipe diameter and include all accessories. Weight may vary based on actual size of pipe.

(6) Fluoroelastomer o-rings are available for an additional charge. Please specify when ordering.

(7) Optional coatings available upon request. Contact Victaulic for details. Please refer to the product numbering chart for all available coatings. Coatings must be specified at time of order.

# Bolted Split-Sleeve Couplings

## Style 230

### NON-RESTRAINED FLEXIBLE COUPLING

(Formerly ExE)  
Non-Restrained Flexible Mechanical Coupling  
Refer to publication 60.01

#### STYLE 230 – NON-RESTRAINED FLEXIBLE COUPLING

PIPE		Max. Work Press.	No.	Apprx. Wgt. Ea.	COUPLING COMPLETE			Coating Adder	SPARE PARTS	
inches (1) (2)					with EPDM, Isoprene, or Silicone O-Ring	with Nitrile O-Ring	with Neoprene O-Ring	Fusion Bonded Nylon Coating	Fasteners	Fastener Dimension
Nom. Dia.	Actual Pipe O.D. Range	psi (3)	Segments (4)	lb (5)	Price Each * (6)			Price Each (7)	No.	Dia. x Length
78	75.00 - 80.88	150	2	613.0	+	+	+	+	8	7/8 x 8
		200	2	934.0	+	+	+	+	8	1 x 8
		250	2	1146.0	+	+	+	+	8	1 x 8
		300	2	1737.0	+	+	+	+	10	1 1/4 x 10
		400	2	2110.0	+	+	+	+	10	1 1/4 x 10
84	81.00 - 86.88	150	2	656.0	+	+	+	+	8	7/8 x 8
		200	2	984.0	+	+	+	+	8	1 x 8
		250	2	1205.0	+	+	+	+	8	1 x 8
		300	2	1855.0	+	+	+	+	10	1 1/4 x 10
		350	2	2257.0	+	+	+	+	10	1 1/4 x 10
90	87.00 - 92.88	100	2	690.0	+	+	+	+	8	7/8 x 8
		150	2	1032.0	+	+	+	+	8	1 x 8
		200	2	1282.0	+	+	+	+	8	1 x 8
		250	2	1955.0	+	+	+	+	10	1 1/4 x 10
		350	2	2379.0	+	+	+	+	10	1 1/4 x 10
96	93.00 - 101.88	100	2	744.0	+	+	+	+	8	7/8 x 8
		150	2	1112.0	+	+	+	+	8	1 x 8
		200	2	2048.0	+	+	+	+	10	1 1/4 x 10
		300	2	2491.0	+	+	+	+	10	1 1/4 x 10
108	102.00 - 113.88	100	2	810.0	+	+	+	+	8	7/8 x 8
		150	2	1226.0	+	+	+	+	8	1 x 8
		200	2	2236.0	+	+	+	+	10	1 1/4 x 10
		300	2	2719.0	+	+	+	+	10	1 1/4 x 10

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

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

See product submittal for recommended assembly tool.

\* Coupling complete price includes coupling body, fasteners, o-rings, and sealing plate(s).

Note: This data applies when carbon steel couplings are being used on carbon steel pipe. For feasibility and performance on other types of pipe contact Victaulic.

(1) Bolted-split-sleeve couplings must be used on pipe with a minimum wall thickness that meets the requirements of AWWA C200 for carbon steel or C220 for stainless steel.

(2) For an actual pipe O.D., round down to the nearest 1/8" to determine proper coupling size required.

(3) For allowable test or transient pressure, the maximum working pressure may be increased to 1 1/2 times the values shown. For pressure ratings on pipe materials other than carbon steel, please contact Victaulic for details.

(4) One-segment couplings may be available as two-segment couplings to allow for in-place pipe installations. Contact Victaulic for details.

(5) Coupling weights are based on nominal pipe diameter and include all accessories. Weight may vary based on actual size of pipe.

(6) Fluoroelastomer o-rings are available for an additional charge. Please specify when ordering.

(7) Optional coatings available upon request. Contact Victaulic for details. Please refer to the product numbering chart for all available coatings. Coatings must be specified at time of order.

# Bolted Split-Sleeve Couplings

## Style 230

### NON-RESTRAINED FLEXIBLE COUPLING

(Formerly ExE)  
Non-Restrained Flexible Mechanical Coupling  
Refer to publication 60.01

#### STYLE 230 – NON-RESTRAINED FLEXIBLE COUPLING

PIPE		Max. Work Press.	No.	Apprx. Wgt. Ea.	COUPLING COMPLETE			Coating Adder	SPARE PARTS	
inches (1) (2)		psi (3)	Segments (4)	lb (5)	with EPDM, Isoprene, or Silicone O-Ring	with Nitrile O-Ring	with Neoprene O-Ring	Fusion Bonded Nylon Coating	Fasteners	Fastener Dimension
Nom. Dia.	Actual Pipe O.D. Range				Price Each * (6)			Price Each (7)	No.	Dia. x Length
120	114.00 - 125.88	75	2	887.0	+	+	+	+	8	7/8 x 8
		125	2	1339.0	+	+	+	+	8	1 x 8
		200	2	2454.0	+	+	+	+	10	1 1/4 x 10
		250	2	2988.0	+	+	+	+	10	1 1/4 x 10
144	126.00 - 150.00	75	2	1022.0	+	+	+	+	8	7/8 x 8
		100	2	1551.0	+	+	+	+	8	1 x 8
		150	2	2672.0	+	+	+	+	10	1 1/4 x 10
		200	2	3286.0	+	+	+	+	10	1 1/4 x 10

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

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

See product submittal for recommended assembly tool.

\* Coupling complete price includes coupling body, fasteners, o-rings, and sealing plate(s).

Note: This data applies when carbon steel couplings are being used on carbon steel pipe. For feasibility and performance on other types of pipe contact Victaulic.

(1) Bolted-split-sleeve couplings must be used on pipe with a minimum wall thickness that meets the requirements of AWWA C200 for carbon steel or C220 for stainless steel.

(2) For an actual pipe O.D., round down to the nearest 1/8" to determine proper coupling size required.

(3) For allowable test or transient pressure, the maximum working pressure may be increased to 1 1/2 times the values shown. For pressure ratings on pipe materials other than carbon steel, please contact Victaulic for details.

(4) One-segment couplings may be available as two-segment couplings to allow for in-place pipe installations. Contact Victaulic for details.

(5) Coupling weights are based on nominal pipe diameter and include all accessories. Weight may vary based on actual size of pipe.

(6) Fluoroelastomer o-rings are available for an additional charge. Please specify when ordering.

(7) Optional coatings available upon request. Contact Victaulic for details. Please refer to the product numbering chart for all available coatings. Coatings must be specified at time of order.

**C 0230 0144 50 S 2 D E P S 00**

Class	Style	Actual Pipe O.D. *		Body Type	Segments	PSI/kPa Rating	Rubber Compound	Paint	Hardware	Options
		Inches^A	Fraction							
C	0230	0007 through 0150	00 – 0 13 – 1/4 25 – 1/4 38 – 3/8 50 – 1/2 63 – 3/8 75 – 3/4 88 – 7/8	S – Carbon	1 – One 2 – Two	B – 50/345 C – 75/515 D – 100/690 E – 125/860 F – 150/1035 G – 175/1200 H – 200/1375 J – 250/1725 K – 300/2065 L – 350/2410 M – 400/2750	E – EPDM I – Isoprene L – Silicone T – Nitrile V – Neoprene O – Fluoro-elastomer	F – Fusion bonded epoxy P – Orange enamel T – Shop primer B – Liquid epoxy N – Fusion bonded nylon G – Galvanized O – None	S – Carbon X – Stainless	00 – None 01 – Pipe Stops

<sup>A</sup> Couplings are available in a range of nominal sizes from 8 – 144". For systems above 144" contact Victaulic for details.

\* For actual pipe O.D. round down to the nearest 1/8" to determine proper coupling size required.

# Bolted Split-Sleeve Couplings

## Style 230 Spare Parts

### NON-RESTRAINED FLEXIBLE COUPLING

(Formerly ExE)  
Non-Restrained Flexible Mechanical Coupling  
Refer to publication 60.01



#### STYLE 230 - SPARE PARTS

PIPE		Max. Work Press.	SPARE PARTS					
inches			EPDM, Isoprene, or Silicone O-Ring	Nitrile O-Ring	Neoprene O-Ring	Fluoroelastomer O-Ring	Segments	Sealing Plate #†
Nom. Dia.	Actual Pipe O.D. Range	psi	Price Per 2				No.	Price Each
8	7.00 - 8.88	200	\$970.00	\$1333.50	\$1377.50	+	1	\$1595.50
10	9.00 - 10.88	200	1004.00	1377.50	1424.00	+	1	1595.50
12	11.00 - 12.88	200	1004.00	1377.50	1471.00	+	1	1595.50
14	13.00 - 14.88	200	1041.00	1424.00	1515.50	+	1	1595.50
16	15.00 - 16.88	200	1041.00	1471.00	1560.00	+	1	1595.50
		300	1254.00	1836.50	2110.00	+	1	1595.50
18	17.00 - 18.88	200	1074.50	1515.50	1605.50	+	1	1595.50
		300	1285.50	1926.50	2201.50	+	1	1595.50
20	19.00 - 21.88	200	1074.50	1515.50	1654.00	+	1	1595.50
		300	1327.00	2019.50	2339.00	+	1	1595.50
24	22.00 - 26.88	100	1215.00	1790.50	1973.00	+	1	1595.50
		200	1541.00	2431.00	2887.00	+	1	1595.50
		300	1541.00	2431.00	2887.00	+	1	2164.00
30	27.00 - 32.88	100	1285.50	1926.50	2201.50	+	1	1937.50
		200	1682.50	2751.00	3301.00	+	1	1937.50
		300	1926.50	3207.50	3895.00	+	2	2164.00
36	33.00 - 38.88	75	1327.50	2065.50	2387.00	+	1	1937.50
		200	1823.50	3026.00	3712.00	+	1	1937.50
		300	2142.00	3574.50	4399.00	+	2	2164.00
42	39.00 - 44.88	50	1428.00	2201.50	2614.50	+	1	1937.50
		150	1999.00	3347.00	4123.50	+	1	1937.50
		250	2324.00	3939.50	4900.50	+	2	2164.00
		300	2608.00	4489.00	5633.50	+	2	2164.00
48	45.00 - 50.88	50	1502.50	2387.00	2797.00	+	1	1937.50
		150	2142.00	3667.50	4535.00	+	1	1937.50
		250	2498.50	4352.00	5406.00	+	2	2164.00
		300	2820.50	4947.50	6229.50	+	2	2164.00
54	51.00 - 56.88	100	2639.00	4627.50	5861.50	+	1	1937.50
		200	3033.00	5406.00	6823.50	+	2	2164.00
		300	3033.00	5406.00	6823.50	+	2	2164.00
		350	3033.00	5406.00	6823.50	+	2	2164.00
		400	2782.00	4808.50	6001.00	+	2	2164.00

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

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

# Sealing plate price shown for EPDM, Isoprene, Silicone, Nitrile, and Neoprene. Where other sealing pad material is needed to match the o-ring material used, contact Victaulic for pricing.

† Number of sealing plates required equals number of housing segments.

# Bolted Split-Sleeve Couplings

## Style 230 Spare Parts

### NON-RESTRAINED FLEXIBLE COUPLING

(Formerly ExE)  
 Non-Restrained Flexible Mechanical Coupling  
 Refer to publication 60.01

#### STYLE 230 - SPARE PARTS

PIPE		Max. Work Press.	SPARE PARTS					Segments	Sealing Plate #†
inches			EPDM, Isoprene, or Silicone O-Ring	Nitrile O-Ring	Neoprene O-Ring	Fluoroelastomer O-Ring			
Nom. Dia.	Actual Pipe O.D. Range	psi	Price Per 2			No.	Price Each		
60	57.00 - 62.88	100	\$2890.50	\$5085.50	\$6410.00	+	2	\$2164.00	
		200	3248.00	5818.00	7421.00	+	2	2164.00	
		250	3248.00	5861.50	7421.00	+	2	2164.00	
		300	3248.00	5861.50	7421.00	+	2	2164.00	
		400	2964.50	5222.50	6550.00	+	2	3208.50	
66	63.00 - 68.88	175	3462.00	6273.50	8011.50	+	2	2164.00	
		250	3493.50	6321.50	8011.50	+	2	2164.00	
		300	3493.50	6321.50	8011.50	+	2	2164.00	
		350	3138.00	5589.50	7053.00	+	2	3208.50	
		400	3138.00	5589.50	7053.00	+	2	3208.50	
72	69.00 - 74.88	175	3706.00	6732.50	8607.00	+	2	2164.00	
		200	3706.00	6732.50	8653.50	+	2	2164.00	
		250	3706.00	6732.50	8653.50	+	2	2164.00	
		300	3352.00	5954.50	7555.00	+	2	3208.50	
		400	3352.00	5954.50	7555.00	+	2	3208.50	
78	75.00 - 80.88	150	+	+	+	+	2	+	
		200	+	+	+	+	2	+	
		250	+	+	+	+	2	+	
		300	+	+	+	+	2	+	
		400	+	+	+	+	2	+	
84	81.00 - 86.88	150	+	+	+	+	2	+	
		200	+	+	+	+	2	+	
		250	+	+	+	+	2	+	
		300	+	+	+	+	2	+	
		350	+	+	+	+	2	+	
90	87.00 - 92.88	100	+	+	+	+	2	+	
		150	+	+	+	+	2	+	
		200	+	+	+	+	2	+	
		250	+	+	+	+	2	+	
		350	+	+	+	+	2	+	
96	93.00 - 101.88	100	+	+	+	+	2	+	
		150	+	+	+	+	2	+	
		200	+	+	+	+	2	+	
		300	+	+	+	+	2	+	

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

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

# Sealing plate price shown for EPDM, Isoprene, Silicone, Nitrile, and Neoprene. Where other sealing pad material is needed to match the o-ring material used, contact Victaulic for pricing.

† Number of sealing plates required equals number of housing segments.

# Bolted Split-Sleeve Couplings

## Style 230 Spare Parts

### NON-RESTRAINED FLEXIBLE COUPLING

(Formerly ExE)  
 Non-Restrained Flexible Mechanical Coupling  
 Refer to publication 60.01

#### STYLE 230 - SPARE PARTS

PIPE		Max. Work Press.	SPARE PARTS					
inches			EPDM, Isoprene, or Silicone O-Ring	Nitrile O-Ring	Neoprene O-Ring	Fluoroelastomer O-Ring	Segments	Sealing Plate #†
Nom. Dia.	Actual Pipe O.D. Range	psi	Price Per 2				No.	Price Each
108	102.00 - 113.88	100	+	+	+	+	2	+
		150	+	+	+	+	2	+
		200	+	+	+	+	2	+
		300	+	+	+	+	2	+
120	114.00 - 125.88	75	+	+	+	+	2	+
		125	+	+	+	+	2	+
		200	+	+	+	+	2	+
		250	+	+	+	+	2	+
144	126.00 - 150.00	75	+	+	+	+	2	+
		100	+	+	+	+	2	+
		150	+	+	+	+	2	+
		200	+	+	+	+	2	+

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

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

# Sealing plate price shown for EPDM, Isoprene, Silicone, Nitrile, and Neoprene. Where other sealing pad material is needed to match the o-ring material used, contact Victaulic for pricing.

† Number of sealing plates required equals number of housing segments.

# Bolted Split-Sleeve Couplings

## Style 230S

### NON-RESTRAINED FLEXIBLE COUPLING FOR STAINLESS STEEL PIPE

(Formerly ExE)  
Non-Restrained Flexible Mechanical Coupling  
for Stainless Steel Pipe  
Refer to publication 60.02



#### STYLE 230S – NON-RESTRAINED FLEXIBLE COUPLING FOR STAINLESS STEEL PIPE

PIPE		Max. Work Press.	No.	Apprx. Wgt. Ea.	COUPLING COMPLETE			SPARE PARTS	
inches (1) (2)		psi (3)	Segments (4)	lb (5)	with EPDM, Isoprene, or Silicone O-Ring	with Nitrile O-Ring	with Neoprene O-Ring	Fasteners  No.	Fastener Dimension  Dia. x Length
Nom. Dia.	Actual Pipe O.D. Range				Price Each * (6)				
3	2.88 - 3.50	300	1	5.0	\$4059.00	\$4210.00	\$4210.00	3	1/2 x 3/4
4	3.63 - 4.88	300	1	5.0	4201.50	4352.50	4352.50	3	1/2 x 3/4
6	5.00 - 6.88	300	1	12.0	4497.00	4646.00	4646.00	3	1/2 x 3/4
8	7.00 - 8.88	200	1	20.0	6012.00	6161.50	6237.00	3	5/8 x 5
10	9.00 - 10.88	200	1	23.0	6535.00	6688.50	6800.50	3	5/8 x 5
12	11.00 - 12.88	200	1	27.0	6827.00	6978.00	7129.50	3	5/8 x 5
14	13.00 - 14.88	200	1	30.0	7178.50	7368.00	7517.00	3	5/8 x 5
16	15.00 - 16.88	200	1	46.0	7966.50	8154.50	8341.50	3	3/4 x 6
		300	1	67.0	12019.50	12469.00	12883.00	3	3/4 x 6
18	17.00 - 18.88	150	1	50.0	8316.00	8540.50	8729.00	3	3/4 x 6
		250	1	72.0	12690.00	13176.50	13627.00	3	3/4 x 6
20	19.00 - 21.88	150	1	54.0	8840.00	9102.50	9292.50	3	3/4 x 6
		250	1	78.0	13563.50	14127.00	14613.50	3	3/4 x 6
24	22.00 - 26.88	100	1	64.0	9744.50	10157.50	10493.50	3	3/4 x 6
		200	1	92.0	15839.00	16626.00	17376.00	3	3/4 x 6
		250	1	123.0	19367.50	20153.00	20904.00	4	3/4 x 6
30	27.00 - 32.88	100	1	76.0	10823.50	11311.50	11759.50	3	3/4 x 6
		200	1	149.0	21758.00	22733.50	23669.00	4	3/4 x 6
		300	2	329.0	41001.00	42202.00	43289.50	8	7/8 x 8
36	33.00 - 38.88	75	1	89.0	11872.00	12435.00	12960.00	3	3/4 x 6
		175	1	173.0	24147.50	25309.50	26397.00	4	3/4 x 6
		250	2	377.0	45054.00	46480.00	47793.50	8	7/8 x 8

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

See product submittal for recommended assembly tool.

\* Coupling complete price includes coupling body, fasteners, o-rings, and sealing plate(s).

Note: This data applies when stainless steel couplings are being used on stainless steel pipe. For performance on other types of pipe contact Victaulic for details.

(1) Bolted-split-sleeve couplings must be used on pipe with a minimum wall thickness that meets the requirements of AWWA C200 for carbon steel or C220 for stainless steel.

(2) For an actual pipe O.D., round down to the nearest 1/8" to determine proper coupling size required.

(3) For allowable test or transient pressure, the maximum working pressure may be increased to 1 1/2 times the values shown. For pressure ratings on pipe materials other than stainless steel, please contact Victaulic for details.

(4) One-segment couplings may be available as two-segment couplings to allow for in-place pipe installations. Contact Victaulic for details.

(5) Coupling weights are based on nominal pipe diameter and include all accessories. Weight may vary based on actual size of pipe.

(6) Fluoroelastomer o-rings are available for an additional charge. Please specify when ordering.



# Bolted Split-Sleeve Couplings

## Style 230S

### NON-RESTRAINED FLEXIBLE COUPLING FOR STAINLESS STEEL PIPE

(Formerly ExE)  
 Non-Restrained Flexible Mechanical Coupling  
 for Stainless Steel Pipe  
 Refer to publication 60.02

#### STYLE 230S – NON-RESTRAINED FLEXIBLE COUPLING FOR STAINLESS STEEL PIPE

PIPE		Max. Work Press.	No.	Apprx. Wgt. Ea.	COUPLING COMPLETE			SPARE PARTS	
inches (1) (2)		psi (3)	Segments (4)	lb (5)	with EPDM, Isoprene, or Silicone O-Ring	with Nitrile O-Ring	with Neoprene O-Ring	Fasteners	Fastener Dimension
Nom. Dia.	Actual Pipe O.D. Range				Price Each * (6)				
42	39.00 - 44.88	50	1	101.0	\$13477.00	\$14150.50	\$14752.50	3	3/4 x 6
		150	1	197.0	26627.00	27976.00	29250.00	4	3/4 x 6
		200	2	422.0	49136.50	50786.50	52284.00	8	7/8 x 8
		250	2	638.0	87304.50	89256.00	91092.00	8	1 x 8
48	45.00 - 50.88	50	1	112.0	14527.00	15277.50	15987.50	3	3/4 x 6
		150	1	221.0	29223.50	30759.00	32183.00	4	3/4 x 6
		200	2	467.0	53423.50	55299.50	57023.50	8	7/8 x 8
		250	2	709.0	95994.50	98207.00	100308.00	8	1 x 8
54	51.00 - 56.88	100	1	297.0	+	+	+	4	7/8 x 8
		175	2	522.0	+	+	+	8	7/8 x 8
		250	2	780.0	+	+	+	8	1 x 8
60	57.00 - 62.88	100	2	375.0	+	+	+	8	7/8 x 8
		150	2	570.0	+	+	+	8	7/8 x 8
		200	2	851.0	+	+	+	8	1 x 8
66	63.00 - 68.88	150	2	605.0	+	+	+	8	7/8 x 8
		200	2	904.0	+	+	+	8	1 x 8
72	69.00 - 74.88	125	2	654.0	+	+	+	8	7/8 x 8
		175	2	975.0	+	+	+	8	1 x 8
78	75.00 - 80.88	125	2	689.0	+	+	+	8	7/8 x 8
		175	2	1045.0	+	+	+	8	1 x 8
84	81.00 - 86.88	100	2	737.0	+	+	+	8	7/8 x 8
		150	2	1098.0	+	+	+	8	1 x 8
90	87.00 - 92.88	100	2	773.0	+	+	+	8	7/8 x 8
		150	2	1152.0	+	+	+	8	1 x 8
96	93.00 - 102.00	100	2	831.0	+	+	+	8	7/8 x 8
		150	2	1238.0	+	+	+	8	1 x 8

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

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

See product submittal for recommended assembly tool.

\* Coupling complete price includes coupling body, fasteners, o-rings, and sealing plate(s).

Note: This data applies when stainless steel couplings are being used on stainless steel pipe. For performance on other types of pipe contact Victaulic for details.

(1) Bolted-split-sleeve couplings must be used on pipe with a minimum wall thickness that meets the requirements of AWWA C200 for carbon steel or C220 for stainless steel.

(2) For an actual pipe O.D., round down to the nearest 1/8" to determine proper coupling size required.

(3) For allowable test or transient pressure, the maximum working pressure may be increased to 1 1/2 times the values shown. For pressure ratings on pipe materials other than stainless steel, please contact Victaulic for details.

(4) One-segment couplings may be available as two-segment couplings to allow for in-place pipe installations. Contact Victaulic for details.

(5) Coupling weights are based on nominal pipe diameter and include all accessories. Weight may vary based on actual size of pipe.

(6) Fluoroelastomer o-rings are available for an additional charge. Please specify when ordering.

# Bolted Split-Sleeve Couplings

**C 0230 0096 50 X 2 D E 0 X 00**

Class	Style	Actual Pipe O.D.*		Body Type	Segments	PSI/kPa Rating	Rubber Compound	Paint	Hardware	Options
		Inches <sup>^</sup>	Fraction							
C	0230	0002 through 0102	00 - 0 13 - 1/8 25 - 1/4 38 - 3/8 50 - 1/2 63 - 5/8 75 - 3/4 88 - 7/8	X - Stainless	1 - One 2 - Two	B - 50/345 C - 75/515 D - 100/690 E - 125/860 F - 150/1035 G - 175/1200 H - 200/1375 J - 250/1725 K - 300/2065	E - EPDM I - Isoprene L - Silicone T - Nitrile V - Neoprene O - Fluoro-elastomer	0 - None	X - Stainless	00 - None 01 - Pipe Stops

<sup>^</sup> Couplings are available in a range of nominal sizes from 3 - 96". For systems above 96" contact Victaulic for details.

\* For actual pipe O.D. round down to the nearest 1/8" to determine proper coupling size required.

# Bolted Split-Sleeve Couplings

## Style 230S Spare Parts

### NON-RESTRAINED FLEXIBLE COUPLING FOR STAINLESS STEEL PIPE

(Formerly ExE)  
Non-Restrained Flexible Mechanical Coupling  
for Stainless Steel Pipe  
Refer to publication 60.02



#### STYLE 230S - SPARE PARTS

PIPE		Max. Work Press.	SPARE PARTS					
Nom. Dia.	Actual Pipe O.D. Range		psi	EPDM, Isoprene, or Silicone O-Ring	Nitrile O-Ring	Neoprene O-Ring	Fluoroelastomer O-Ring	Segments
			Price Per 2				No.	Price Each
3	2.88 - 3.50	300	\$930.00	\$1285.50	\$1285.50	+	1	\$1309.50
4	3.63 - 4.88	300	930.00	1285.50	1285.50	+	1	1309.50
6	5.00 - 6.88	300	930.00	1285.50	1377.50	+	1	1697.50
8	7.00 - 8.88	200	1041.00	1560.00	1654.00	+	1	1948.50
10	9.00 - 10.88	200	1074.50	1601.00	1745.00	+	1	1948.50
12	11.00 - 12.88	200	1112.00	1698.00	1836.50	+	1	1948.50
14	13.00 - 14.88	200	1145.00	1745.00	1881.00	+	1	1948.50
16	15.00 - 16.88	200	1254.00	1926.50	2201.50	+	1	1948.50
		300	1254.00	1926.50	2201.50	+	1	1948.50
18	17.00 - 18.88	150	1285.50	2019.50	2294.00	+	1	1948.50
		250	1285.50	2019.50	2294.00	+	1	1948.50
20	19.00 - 21.88	150	1323.50	2110.00	2431.00	+	1	1948.50
		250	1323.50	2110.00	2431.00	+	1	1948.50
24	22.00 - 26.88	100	1494.00	2479.50	2929.50	+	1	1948.50
		200	1494.00	2479.50	2929.50	+	1	1948.50
		250	1494.00	2479.50	2929.50	+	1	2164.00
30	27.00 - 32.88	100	1999.00	3391.50	4079.50	+	1	1937.50
		200	1999.00	3391.50	4079.50	+	1	1937.50
		300	1999.00	3391.50	4079.50	+	2	2164.00
36	33.00 - 38.88	75	2212.00	3760.00	4581.00	+	1	1937.50
		175	2212.00	3760.00	4581.00	+	1	1937.50
		250	2212.00	3760.00	4581.00	+	2	2164.00
42	39.00 - 44.88	50	2677.50	4719.50	5818.00	+	1	1937.50
		150	2677.50	4719.50	5818.00	+	1	1937.50
		200	2677.50	4719.50	5818.00	+	2	2164.00
		250	2677.50	4719.50	5818.00	+	2	2164.00
48	45.00 - 50.88	50	2890.50	5129.50	6410.00	+	1	1937.50
		150	2890.50	5129.50	6410.00	+	1	1937.50
		200	2890.50	5129.50	6410.00	+	2	2164.00
		250	2890.50	5129.50	6410.00	+	2	2164.00
54	51.00 - 56.88	100	+	+	+	+	1	+
		175	+	+	+	+	2	+
		250	+	+	+	+	2	+

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

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

# Sealing plate price shown for EPDM, Isoprene, Silicone, Nitrile, and Neoprene. Where other sealing pad material is needed to match the o-ring material used, contact Victaulic for pricing.

† Number of sealing plates required equals number of housing segments.

# Bolted Split-Sleeve Couplings

## Style 230S Spare Parts

### NON-RESTRAINED FLEXIBLE COUPLING FOR STAINLESS STEEL PIPE

(Formerly ExE)  
 Non-Restrained Flexible Mechanical Coupling  
 for Stainless Steel Pipe  
 Refer to publication 60.02

#### STYLE 230S - SPARE PARTS

PIPE		Max. Work Press.	SPARE PARTS					
inches			EPDM, Isoprene, or Silicone O-Ring	Nitrile O-Ring	Neoprene O-Ring	Fluoroelastomer O-Ring	Segments	Sealing Plate #†
Nom. Dia.	Actual Pipe O.D. Range	psi	Price Per 2				No.	Price Each
60	57.00 - 62.88		100	+	+	+	+	2
		150	+	+	+	+	2	+
		200	+	+	+	+	2	+
66	63.00 - 68.88	150	+	+	+	+	2	+
		200	+	+	+	+	2	+
72	69.00 - 74.88	125	+	+	+	+	2	+
		175	+	+	+	+	2	+
78	75.00 - 80.88	125	+	+	+	+	2	+
		175	+	+	+	+	2	+
84	81.00 - 86.88	100	+	+	+	+	2	+
		150	+	+	+	+	2	+
90	87.00 - 92.88	100	+	+	+	+	2	+
		150	+	+	+	+	2	+
96	93.00 - 102.00	100	+	+	+	+	2	+
		150	+	+	+	+	2	+

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

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

# Sealing plate price shown for EPDM, Isoprene, Silicone, Nitrile, and Neoprene. Where other sealing pad material is needed to match the o-ring material used, contact Victaulic for pricing.

† Number of sealing plates required equals number of housing segments.

# Bolted Split-Sleeve Couplings

## Style 231

### NON-RESTRAINED FLEXIBLE EXPANSION COUPLING

(Formerly FxE)  
Non-Restrained Expansion Coupling  
Refer to publication 60.03



STYLE 231 – NON-RESTRAINED FLEXIBLE EXPANSION COUPLING

PIPE		Max. Work Press.	Pipe End Separation	No.	Approx. Wgt. Ea.	COUPLING COMPLETE			Coating Adder	SPARE PARTS	
inches (1) (2)		psi (3)	Min. – Max.	Segments (4)	lb (5)	with EPDM, Isoprene, or Silicone O-Ring	with Nitrile O-Ring	with Neoprene O-Ring	Fusion Bonded Nylon Coating	Fasteners	Fastener Dimension
Nom. Dia.	Actual Pipe O.D. Range		inches			Price Each * (6)	Price Each (7)	No.			
16	15.00 – 16.88	200	0 – 2.00	1	97.0	\$19367.50	\$19967.50	\$20416.00	\$719.00	4	3/4 x 6
			0 – 3.00	1	117.0	23241.50	23839.00	24403.50	+	5	3/4 x 6
			0 – 4.00	1	128.0	27887.50	28487.00	29049.50	+	5	3/4 x 6
		300	0 – 2.00	1	110.0	19687.00	20286.50	20849.50	681.50	4	3/4 x 6
			0 – 3.00	1	132.0	23623.00	24222.50	24780.00	+	5	3/4 x 6
			0 – 4.00	1	145.0	28347.00	28947.50	29508.50	+	5	3/4 x 6
18	17.00 – 18.88	200	0 – 2.00	1	106.0	20358.50	21033.50	21670.00	792.00	4	3/4 x 6
			0 – 3.00	1	127.0	24428.50	25104.00	25742.50	+	5	3/4 x 6
			0 – 4.00	1	138.0	29316.00	29989.00	30627.50	+	5	3/4 x 6
		300	0 – 2.00	1	120.0	20709.00	21382.50	22021.00	792.00	4	3/4 x 6
			0 – 3.00	1	143.0	24847.50	25523.50	26161.00	+	5	3/4 x 6
			0 – 4.00	1	157.0	29820.00	30494.50	31130.50	+	5	3/4 x 6
20	19.00 – 21.88	200	0 – 2.00	1	115.0	21612.00	22361.00	23035.50	905.50	4	3/4 x 6
			0 – 3.00	1	136.0	25933.50	26686.50	27360.00	+	5	3/4 x 6
			0 – 4.00	1	150.0	31118.50	31871.50	32545.50	+	5	3/4 x 6
		300	0 – 2.00	1	131.0	21992.00	22741.50	23416.00	905.50	4	3/4 x 6
			0 – 3.00	1	155.0	26387.50	27138.00	27812.50	+	5	3/4 x 6
			0 – 4.00	1	170.0	31665.50	32416.00	33091.00	+	5	3/4 x 6
24	22.00 – 26.88	150	0 – 2.00	1	155.0	24263.50	25126.00	25953.00	1092.50	4	3/4 x 6
			0 – 3.00	1	179.0	29118.50	29981.50	30807.50	+	5	3/4 x 6
			0 – 4.00	1	196.0	34939.00	35801.00	36627.50	+	5	3/4 x 6
		300	0 – 2.00	2	301.0	35782.00	36644.00	37470.50	1092.50	8	7/8 x 8
			0 – 3.00	2	377.0	42942.00	43802.00	44627.50	+	10	7/8 x 8
			0 – 4.00	2	411.0	51525.50	52388.00	53213.00	+	10	7/8 x 8

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

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

See product submittal for recommended assembly tool.

\* Coupling complete price includes coupling body, fasteners, o-rings, sealing plate(s), restraint rings and cladding.

Note: This data applies when carbon steel couplings are being used on carbon steel pipe. For feasibility and performance on other types of pipe contact Victaulic.

(1) Bolted-split-sleeve couplings must be used on pipe with a minimum wall thickness that meets the requirements of AWWA C200 for carbon steel or C220 for stainless steel.

(2) For an actual pipe O.D., round down to the nearest 1/8" to determine proper coupling size required.

(3) For allowable test or transient pressure, the maximum working pressure may be increased to 1 1/2 times the values shown. For pressure ratings on pipe materials other than carbon steel, please contact Victaulic for details.

(4) One-segment couplings may be available as two-segment couplings to allow for in-place pipe installations. Contact Victaulic for details.

(5) Coupling weights are based on nominal pipe diameter and include all accessories. Weight may vary based on actual size of pipe.

(6) Fluoroelastomer o-rings are available for an additional charge. Please specify when ordering.

(7) Optional coatings available upon request. Contact Victaulic for details. Please refer to the product numbering chart for all available coatings. Coatings must be specified at time of order.

# Bolted Split-Sleeve Couplings

## Style 231

### NON-RESTRAINED FLEXIBLE EXPANSION COUPLING

(Formerly FxE)  
Non-Restrained Expansion Coupling  
Refer to publication 60.03

#### STYLE 231 – NON-RESTRAINED FLEXIBLE EXPANSION COUPLING

PIPE		Max. Work Press. psi (3)	Pipe End Separation Min. – Max. inches	No. Segments (4)	Approx. Wgt. Ea. lb (5)	COUPLING COMPLETE			Coating Adder Fusion Bonded Nylon Coating Price Each (7)	SPARE PARTS	
Nom. Dia.	Actual Pipe O.D. Range					with EPDM, Isoprene, or Silicone O-Ring	with Nitrile O-Ring	with Neoprene O-Ring		Fasteners No.	Fastener Dimension Dia. x Length
					Price Each * (6)						
30	27.00 – 32.88	100	0 – 2.00	1	187.0	\$27240.50	\$28328.50	\$29339.50	\$1206.00	4	3/4 x 6
			0 – 3.00	1	214.0	32066.00	33773.50	34785.00	+	5	3/4 x 6
			0 – 4.00	1	237.0	32686.00	33153.50	34164.00	+	5	3/4 x 6
		300	0 – 2.00	2	355.0	41787.50	43100.50	44300.50	1279.50	8	7/8 x 8
			0 – 3.00	2	437.0	50148.00	51458.00	52658.50	+	10	7/8 x 8
			0 – 4.00	2	479.0	60172.50	61487.50	62686.00	+	10	7/8 x 8
36	33.00 – 38.88	75	0 – 2.00	1	223.0	30387.50	31664.00	32864.00	1206.00	4	3/4 x 6
			0 – 3.00	1	287.0	36466.50	37741.50	38941.50	+	5	3/4 x 6
			0 – 4.00	1	314.0	43757.00	45033.00	46232.50	+	5	3/4 x 6
		300	0 – 2.00	2	412.0	46045.00	47582.50	49044.50	1279.50	8	7/8 x 8
			0 – 3.00	2	501.0	55254.50	56793.00	58255.00	+	10	7/8 x 8
			0 – 4.00	2	551.0	66304.50	67843.00	69307.00	+	10	7/8 x 8
42	39.00 – 44.88	50	0 – 2.00	1	256.0	33595.00	35094.50	36481.50	1206.00	4	3/4 x 6
			0 – 3.00	1	323.0	40316.00	41815.50	43201.00	+	5	3/4 x 6
			0 – 4.00	1	353.0	48376.50	49876.00	51264.00	+	5	3/4 x 6
		250	0 – 2.00	2	466.0	50333.50	52133.00	53819.00	1279.50	8	7/8 x 8
			0 – 3.00	2	562.0	60400.50	62200.00	63889.00	+	10	7/8 x 8
			0 – 4.00	2	618.0	72477.00	74277.50	75964.00	+	10	7/8 x 8
48	45.00 – 50.88	50	0 – 2.00	1	288.0	38901.00	40588.50	42202.00	1206.00	4	3/4 x 6
			0 – 3.00	1	359.0	46682.50	48370.50	49983.00	+	5	3/4 x 6
			0 – 4.00	1	393.0	56018.00	57707.00	59318.50	+	5	3/4 x 6
		250	0 – 2.00	2	520.0	56803.50	58830.00	60741.00	1279.50	8	7/8 x 8
			0 – 3.00	2	624.0	68166.50	70192.50	72103.00	+	10	7/8 x 8
			0 – 4.00	2	686.0	81800.00	83825.00	85735.50	+	10	7/8 x 8

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

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

See product submittal for recommended assembly tool.

\* Coupling complete price includes coupling body, fasteners, o-rings, sealing plate(s), restraint rings and cladding.

Note: This data applies when carbon steel couplings are being used on carbon steel pipe. For feasibility and performance on other types of pipe contact Victaulic.

(1) Bolted-split-sleeve couplings must be used on pipe with a minimum wall thickness that meets the requirements of AWWA C200 for carbon steel or C220 for stainless steel.

(2) For an actual pipe O.D., round down to the nearest 1/8" to determine proper coupling size required.

(3) For allowable test or transient pressure, the maximum working pressure may be increased to 1 1/2 times the values shown. For pressure ratings on pipe materials other than carbon steel, please contact Victaulic for details.

(4) One-segment couplings may be available as two-segment couplings to allow for in-place pipe installations. Contact Victaulic for details.

(5) Coupling weights are based on nominal pipe diameter and include all accessories. Weight may vary based on actual size of pipe.

(6) Fluoroelastomer o-rings are available for an additional charge. Please specify when ordering.

(7) Optional coatings available upon request. Contact Victaulic for details. Please refer to the product numbering chart for all available coatings. Coatings must be specified at time of order.

# Bolted Split-Sleeve Couplings

## Style 231

### NON-RESTRAINED FLEXIBLE EXPANSION COUPLING

(Formerly FxE)  
 Non-Restrained Expansion Coupling  
 Refer to publication 60.03

#### STYLE 231 – NON-RESTRAINED FLEXIBLE EXPANSION COUPLING

PIPE		Max. Work Press.	Pipe End Separation	No.	Approx. Wgt. Ea.	COUPLING COMPLETE			Coating Adder	SPARE PARTS	
inches (1) (2)		psi (3)	Min. – Max.	Segments (4)	lb (5)	with EPDM O-Ring	with Nitrile O-Ring	with Neoprene O-Ring	Fusion Bonded Nylon Coating	Fasteners	Fastener Dimension
Nom. Dia.	Actual Pipe O.D. Range		inches			Price Each * (6)					
54	51.00 – 56.88	200	0 – 2.00	2	562.0	\$60917.00	\$63202.50	\$65341.00	\$1206.00	8	7/8 x 8
			0 – 3.00	2	671.0	73099.00	75387.50	77523.50	+	10	7/8 x 8
			0 – 4.00	2	738.0	87233.00	89521.50	91657.50	+	10	7/8 x 8
60	57.00 – 62.88	200	0 – 2.00	2	616.0	65288.50	67799.00	70200.50	1206.00	8	7/8 x 8
			0 – 3.00	2	732.0	78347.50	80858.50	83258.50	+	10	7/8 x 8
			0 – 4.00	2	806.0	94015.50	96528.00	98929.00	+	10	7/8 x 8
66	63.00 – 68.88	175	0 – 2.00	2	660.0	69400.50	72175.50	74763.50	1206.00	8	7/8 x 8
			0 – 3.00	2	779.0	83281.50	86056.00	88644.50	+	10	7/8 x 8
			0 – 4.00	2	859.0	99937.00	102713.00	105299.00	+	10	7/8 x 8
72	69.00 – 74.88	175	0 – 2.00	2	714.0	75055.50	78059.00	80906.00	1206.00	8	7/8 x 8
			0 – 3.00	2	840.0	90069.00	93069.50	95918.50	+	10	7/8 x 8
			0 – 4.00	2	926.0	108084.50	111084.00	113933.00	+	10	7/8 x 8
78	75.00 – 80.88	150	0 – 2.00	2	756.0	+	+	+	+	8	7/8 x 8
			0 – 3.00	2	888.0	+	+	+	+	10	7/8 x 8
			0 – 4.00	2	980.0	+	+	+	+	10	7/8 x 8
84	81.00 – 86.88	150	0 – 2.00	2	810.0	+	+	+	+	8	7/8 x 8
			0 – 3.00	2	949.0	+	+	+	+	10	7/8 x 8
			0 – 4.00	2	1047.0	+	+	+	+	10	7/8 x 8
90	87.00 – 92.88	100	0 – 2.00	2	852.0	+	+	+	+	8	7/8 x 8
			0 – 3.00	2	996.0	+	+	+	+	10	7/8 x 8
			0 – 4.00	2	1099.0	+	+	+	+	10	7/8 x 8
96	93.00 – 101.88	100	0 – 2.00	2	917.0	+	+	+	+	8	7/8 x 8
			0 – 3.00	2	1070.0	+	+	+	+	10	7/8 x 8
			0 – 4.00	2	1181.0	+	+	+	+	10	7/8 x 8
108	102.00 – 113.88	100	0 – 2.00	2	1002.0	+	+	+	+	8	7/8 x 8
			0 – 3.00	2	1164.0	+	+	+	+	10	7/8 x 8
			0 – 4.00	2	1286.0	+	+	+	+	10	7/8 x 8

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

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

See product submittal for recommended assembly tool.

\* Coupling complete price includes coupling body, fasteners, o-rings, sealing plate(s), restraint rings and cladding.

Note: This data applies when carbon steel couplings are being used on carbon steel pipe. For feasibility and performance on other types of pipe contact Victaulic.

(1) Bolted-split-sleeve couplings must be used on pipe with a minimum wall thickness that meets the requirements of AWWA C200 for carbon steel or C220 for stainless steel.

(2) For an actual pipe O.D., round down to the nearest 1/8" to determine proper coupling size required.

(3) For allowable test or transient pressure, the maximum working pressure may be increased to 1 1/2 times the values shown. For pressure ratings on pipe materials other than carbon steel, please contact Victaulic for details.

(4) One-segment couplings may be available as two-segment couplings to allow for in-place pipe installations. Contact Victaulic for details.

(5) Coupling weights are based on nominal pipe diameter and include all accessories. Weight may vary based on actual size of pipe.

(6) Fluoroelastomer o-rings are available for an additional charge. Please specify when ordering.

(7) Optional coatings available upon request. Contact Victaulic for details. Please refer to the product numbering chart for all available coatings. Coatings must be specified at time of order.



# Bolted Split-Sleeve Couplings

## Style 231

### NON-RESTRAINED FLEXIBLE EXPANSION COUPLING

(Formerly FxE)  
Non-Restrained Expansion Coupling  
Refer to publication 60.03

#### STYLE 231 – NON-RESTRAINED FLEXIBLE EXPANSION COUPLING

PIPE		Max. Work Press.	Pipe End Separation	No.	Approx. Wgt. Ea.	COUPLING COMPLETE			Coating Adder	SPARE PARTS	
inches (1) (2)		psi (3)	Min. – Max.	Segments (4)	lb (5)	with EPDM O-Ring	with Nitrile O-Ring	with Neoprene O-Ring	Fusion Bonded Nylon Coating	Fasteners	Fastener Dimension
Nom. Dia.	Actual Pipe O.D. Range		inches			Price Each * (6)					
120	114.00 – 125.88	75	0 – 2.00	2	1098.0	+	+	+	+	8	7/8" x 8
			0 – 3.00	2	1272.0	+	+	+	+	10	7/8" x 8
			0 – 4.00	2	1406.0	+	+	+	+	10	7/8" x 8
144	126.00 – 150.00	75	0 – 2.00	2	1267.0	+	+	+	+	8	7/8" x 8
			0 – 3.00	2	1462.0	+	+	+	+	10	7/8" x 8
			0 – 4.00	2	1616.0	+	+	+	+	10	7/8" x 8

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

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

See product submittal for recommended assembly tool.

\* Coupling complete price includes coupling body, fasteners, o-rings, sealing plate(s), restraint rings and cladding.

Note: This data applies when carbon steel couplings are being used on carbon steel pipe. For feasibility and performance on other types of pipe contact Victaulic.

(1) Bolted-split-sleeve couplings must be used on pipe with a minimum wall thickness that meets the requirements of AWWA C200 for carbon steel or C220 for stainless steel.

(2) For an actual pipe O.D., round down to the nearest 1/8" to determine proper coupling size required.

(3) For allowable test or transient pressure, the maximum working pressure may be increased to 1 1/2 times the values shown. For pressure ratings on pipe materials other than carbon steel, please contact Victaulic for details.

(4) One-segment couplings may be available as two-segment couplings to allow for in-place pipe installations. Contact Victaulic for details.

(5) Coupling weights are based on nominal pipe diameter and include all accessories. Weight may vary based on actual size of pipe.

(6) Fluoroelastomer o-rings are available for an additional charge. Please specify when ordering.

(7) Optional coatings available upon request. Contact Victaulic for details. Please refer to the product numbering chart for all available coatings. Coatings must be specified at time of order.

**C 0231 0144 50 S 2 C E P S S D**

Class	Style	Actual Pipe O.D. *		Body Type	Segments	PSI/kPa Rating	Rubber Compound	Paint	Hardware	Ring and Pipe Material	Movement †
		Inches^	Fraction								
C	0231	0015 through 0150	00 – 0 13 – 1/8 25 – 1/4 38 – 3/8 50 – 1/2 63 – 5/8 75 – 3/4 88 – 7/8	S – Carbon	1 – One 2 – Two	B – 50/345 C – 75/515 D – 100/690 F – 150/1035 G – 175/1200 H – 200/1375 J – 250/1725 K – 300/2065	E – EPDM I – Isoprene L – Silicone T – Nitrile V – Neoprene O – Fluoro-elastomer	F – Fusion bonded epoxy P – Orange enamel T – Shop primer B – Liquid epoxy N – Fusion bonded nylon G – Galvanized 0 – None	S – Carbon X – Stainless	S – Carbon Steel Ring on Carbon Steel Pipe X – Stainless Steel Ring on Stainless Steel Pipe	D – 2.00" E – 3.00" F – 4.00"

^ Couplings are available in a range of nominal sizes from 16 – 144".

\* For actual pipe O.D. round down to the nearest 1/8" to determine proper coupling size required.

† Movement provided is dependent on size and body type and must correspond to allowable movements published in the product submittal.



# Bolted Split-Sleeve Couplings

## Style 231 Spare Parts

### NON-RESTRAINED FLEXIBLE EXPANSION COUPLING

(Formerly FxE)  
Non-Restrained Expansion Coupling  
Refer to publication 60.03



#### STYLE 231 – SPARE PARTS

PIPE		Max. Work Press. psi	Pipe End Separation inches	SPARE PARTS								
Nom. Dia.	Actual Pipe O.D. Range			Min. – Max.	Restraint Rings No. Required	Carbon Steel Restraint Ring Price Each	EPDM, Neoprene, or Silicone O-Ring Price Per 2	Nitrile O-Ring Price Per 2	Neoprene O-Ring Price Per 2	Fluoroelastomer O-Ring Price Per 2	Segments No.	Sealing Plate #† Price Each
16	15.00 – 16.88	200	0 – 2.00	2	\$386.00	\$1397.00	\$2246.50	\$2567.50	+	1	\$1485.50	\$2456.50
			0 – 3.00	2	386.00	1397.00	2246.50	2567.50	+	1	1780.00	2456.50
			0 – 4.00	2	386.00	1397.00	2246.50	2567.50	+	1	2136.50	2456.50
		300	0 – 2.00	2	386.00	1397.00	2246.50	2567.50	+	1	1485.50	2456.50
			0 – 3.00	2	386.00	1397.00	2246.50	2567.50	+	1	1780.00	2456.50
			0 – 4.00	2	386.00	1397.00	2246.50	2567.50	+	1	2136.50	2456.50
18	17.00 – 18.88	200	0 – 2.00	2	398.50	1469.50	2387.00	2751.00	+	1	1494.50	2687.50
			0 – 3.00	2	398.50	1469.50	2387.00	2751.00	+	1	1794.00	2687.50
			0 – 4.00	2	398.50	1469.50	2387.00	2751.00	+	1	2154.50	2687.50
		300	0 – 2.00	2	398.50	1469.50	2387.00	2751.00	+	1	1494.50	2687.50
			0 – 3.00	2	398.50	1469.50	2387.00	2751.00	+	1	1794.00	2687.50
			0 – 4.00	2	398.50	1469.50	2387.00	2751.00	+	1	2154.50	2687.50
20	19.00 – 21.88	200	0 – 2.00	2	411.00	1541.00	2477.00	2935.00	+	1	1494.50	2890.50
			0 – 3.00	2	411.00	1541.00	2477.00	2935.00	+	1	1794.00	2890.50
			0 – 4.00	2	411.00	1541.00	2477.00	2935.00	+	1	2154.50	2890.50
		300	0 – 2.00	2	411.00	1541.00	2477.00	2935.00	+	1	1494.50	2890.50
			0 – 3.00	2	411.00	1541.00	2477.00	2935.00	+	1	1794.00	2890.50
			0 – 4.00	2	411.00	1541.00	2477.00	2935.00	+	1	2154.50	2890.50
24	22.00 – 26.88	150	0 – 2.00	2	447.00	1682.50	2751.00	3254.50	+	1	1521.00	3358.00
			0 – 3.00	2	447.00	1682.50	2751.00	3254.50	+	1	1823.50	3358.00
			0 – 4.00	2	447.00	1682.50	2751.00	3254.50	+	1	2187.50	3358.00
		300	0 – 2.00	2	493.50	1752.50	2843.50	3347.00	+	2	1521.00	3475.00
			0 – 3.00	2	493.50	1752.50	2843.50	3347.00	+	2	1823.50	3475.00
			0 – 4.00	2	493.50	1752.50	2843.50	3347.00	+	2	2187.50	3475.00
30	27.00 – 32.88	100	0 – 2.00	2	471.00	1857.50	3117.00	3760.00	+	1	1531.00	3475.00
			0 – 3.00	2	471.00	1857.50	3117.00	3760.00	+	1	1839.00	3998.50
			0 – 4.00	2	471.00	1857.50	3117.00	3760.00	+	1	2206.50	3998.50
		300	0 – 2.00	2	517.50	2108.50	3574.50	4308.50	+	2	1531.00	3998.50
			0 – 3.00	2	517.50	2108.50	3574.50	4308.50	+	2	1839.00	4088.00
			0 – 4.00	2	517.50	2108.50	3574.50	4308.50	+	2	2206.50	4088.00

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

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

# Sealing plate price shown for EPDM, Isoprene, Silicone, Nitrile, and Neoprene. Where other sealing pad material is needed to match the o-ring material used, contact Victaulic for pricing.

† Number of sealing plates required equals number of housing segments.

# Bolted Split-Sleeve Couplings

## Style 231 Spare Parts

### NON-RESTRAINED FLEXIBLE EXPANSION COUPLING

(Formerly FxE)  
Non-Restrained Expansion Coupling  
Refer to publication 60.03

#### STYLE 231 – SPARE PARTS

PIPE		Max. Work Press.	Pipe End Separation	SPARE PARTS								
Nom. Dia.	Actual Pipe O.D. Range			Min. – Max.	Restraint Rings	Carbon Steel Restraint Ring	EPDM, Neoprene, or Silicone O-Ring	Nitrile O-Ring	Neoprene O-Ring	Fluoroelastomer O-Ring	Segments	Sealing Plate #†
		psi	inches	No. Required	Price Each	Price Per 2			No.	Price Each		
36	33.00 – 38.88	75	0 – 2.00	2	\$578.00	\$2190.50	\$4032.50	\$4260.00	+	1	\$1556.50	\$4088.00
			0 – 3.00	2	578.00	2190.50	4032.50	4260.00	+	1	1867.00	4641.50
			0 – 4.00	2	578.00	2190.50	4032.50	4260.00	+	1	2238.50	4641.50
		300	0 – 2.00	2	578.00	2190.50	4032.50	4900.50	+	2	1556.00	4641.50
			0 – 3.00	2	578.00	2190.50	4032.50	4900.50	+	2	1867.00	4730.50
			0 – 4.00	2	578.00	2190.50	4032.50	4900.50	+	2	2238.50	4730.50
42	39.00 – 44.88	50	0 – 2.00	2	599.50	2391.00	3848.50	4719.50	+	1	1567.00	4730.50
			0 – 3.00	2	599.50	2391.00	3848.50	4719.50	+	1	1880.00	5280.00
			0 – 4.00	2	599.50	2391.00	3848.50	4719.50	+	1	2258.00	5280.00
		250	0 – 2.00	2	599.50	2391.00	4445.50	5449.00	+	2	1567.00	5280.00
			0 – 3.00	2	599.50	2391.00	4445.50	5449.00	+	2	1880.00	5370.50
			0 – 4.00	2	599.50	2391.00	4445.50	5449.00	+	2	2258.00	5370.50
48	45.00 – 50.88	50	0 – 2.00	2	637.00	2594.00	4215.50	5222.50	+	1	1592.50	5370.50
			0 – 3.00	2	637.00	2594.00	4215.50	5222.50	+	1	1910.50	5895.00
			0 – 4.00	2	637.00	2594.00	4215.50	5222.50	+	1	2291.00	5895.00
		250	0 – 2.00	2	637.00	2594.00	4856.00	6047.00	+	2	1592.50	5983.00
			0 – 3.00	2	637.00	2594.00	4856.00	6047.00	+	2	1910.50	5983.00
			0 – 4.00	2	637.00	2594.00	4856.00	6047.00	+	2	2291.00	5983.00
54	51.00 – 56.88	200	0 – 2.00	2	661.50	2996.50	5313.50	6595.00	+	2	1622.50	6623.50
			0 – 3.00	2	661.50	2996.50	5313.50	6595.00	+	2	1946.00	6623.50
			0 – 4.00	2	661.50	2996.50	5313.50	6595.00	+	2	2336.00	6623.50
60	57.00 – 62.88	200	0 – 2.00	2	685.50	2996.50	5725.50	7190.00	+	2	1622.50	7237.50
			0 – 3.00	2	685.50	2996.50	5725.50	7190.00	+	2	1946.00	7237.50
			0 – 4.00	2	685.50	2996.50	5725.50	7190.00	+	2	2336.00	7237.50
66	63.00 – 68.88	175	0 – 2.00	2	708.50	3399.50	6138.00	7740.00	+	2	1655.00	7877.00
			0 – 3.00	2	708.50	3399.50	6138.00	7740.00	+	2	1986.00	7877.00
			0 – 4.00	2	708.50	3399.50	6138.00	7740.00	+	2	2384.00	7877.00
72	69.00 – 74.88	175	0 – 2.00	2	746.00	3399.50	6550.00	8288.00	+	2	1655.00	8490.50
			0 – 3.00	2	746.00	3399.50	6550.00	8288.00	+	2	1986.00	8490.50
			0 – 4.00	2	746.00	3399.50	6550.00	8288.00	+	2	2384.00	8490.50
78	75.00 – 80.88	150	0 – 2.00	2	+	+	+	+	+	2	+	+
			0 – 3.00	2	+	+	+	+	+	2	+	+
			0 – 4.00	2	+	+	+	+	+	2	+	+

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

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

# Sealing plate price shown for EPDM, Isoprene, Silicone, Nitrile, and Neoprene. Where other sealing pad material is needed to match the o-ring material used, contact Victaulic for pricing.

† Number of sealing plates required equals number of housing segments.

# Bolted Split-Sleeve Couplings

## Style 231 Spare Parts

### NON-RESTRAINED FLEXIBLE EXPANSION COUPLING

(Formerly FxE)  
Non-Restrained Expansion Coupling  
Refer to publication 60.03

#### STYLE 231 – SPARE PARTS

PIPE		Max. Work Press.	Pipe End Separation	SPARE PARTS								
Nom. Dia.	Actual Pipe O.D. Range			Min. – Max.	Restraint Rings	Carbon Steel Restraint Ring	EPDM, Isoprene, or Silicone O-Ring	Nitrile O-Ring	Neoprene O-Ring	Fluoroelastomer O-Ring	Segments	Sealing Plate#†
inches		psi	Inches	No. Required	Price Each	Price Per 2				No.	Price Each	
84	81.00 – 86.88					150	0 – 2.00	2	+		+	+
		0 – 3.00	2	+	+		+	+	+	2	+	+
		0 – 4.00	2	+	+		+	+	+	2	+	+
90	87.00 – 92.88	100	0 – 2.00	2	+	+	+	+	+	2	+	+
			0 – 3.00	2	+	+	+	+	+	2	+	+
			0 – 4.00	2	+	+	+	+	+	2	+	+
96	93.00 – 101.88	100	0 – 2.00	2	+	+	+	+	+	2	+	+
			0 – 3.00	2	+	+	+	+	+	2	+	+
			0 – 4.00	2	+	+	+	+	+	2	+	+
108	102.00 – 113.88	100	0 – 2.00	2	+	+	+	+	+	2	+	+
			0 – 3.00	2	+	+	+	+	+	2	+	+
			0 – 4.00	2	+	+	+	+	+	2	+	+
120	114.00 – 125.88	75	0 – 2.00	2	+	+	+	+	+	2	+	+
			0 – 3.00	2	+	+	+	+	+	2	+	+
			0 – 4.00	2	+	+	+	+	+	2	+	+
144	126.00 – 150.00	75	0 – 2.00	2	+	+	+	+	+	2	+	+
			0 – 3.00	2	+	+	+	+	+	2	+	+
			0 – 4.00	2	+	+	+	+	+	2	+	+

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

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

# Sealing plate price shown for EPDM, Isoprene, Silicone, Nitrile, and Neoprene. Where other sealing pad material is needed to match the o-ring material used, contact Victaulic for pricing.

† Number of sealing plates required equals number of housing segments.

# Bolted Split-Sleeve Couplings

## Style 231S

### NON-RESTRAINED FLEXIBLE EXPANSION COUPLING FOR STAINLESS STEEL PIPE

(Formerly FxE)  
Non-Restrained Expansion Coupling for  
Stainless Steel Pipe  
Refer to publication 60.04



#### STYLE 231S – NON-RESTRAINED FLEXIBLE EXPANSION COUPLING FOR STAINLESS STEEL PIPE

PIPE		Max. Work Press.	Pipe End Separation	No.	Approx. Wgt. Ea.	COUPLING COMPLETE			SPARE PARTS		
inches (1) (2)		psi (3)	Min. – Max.	Segments (4)	lb (5)	with EPDM, Isoprene, or Silicone O-Ring	with Nitrile O-Ring	with Neoprene O-Ring	Fasteners	Fastener Dimension	
Nom. Size	Actual Pipe O.D. Range		inches			Price Each * (6)					No.
3	2.88 – 3.50	300	0 – 0.75	1	5.0	\$4088.00	\$4237.50	\$4237.50	3	1/2 x 3/4	
4	3.63 – 4.88	300	0 – 0.75	1	5.0	4261.00	4412.50	4412.50	3	1/2 x 3/4	
6	5.00 – 6.88	300	0 – 1.25	1	12.0	4817.50	4967.00	4967.00	3	1/2 x 3/4	
8	7.00 – 8.88	200	0 – 1.50	1	21.0	6915.50	7066.50	7142.00	3	5/8 x 5	
10	9.00 – 10.88	200	0 – 1.50	1	24.0	7528.50	7678.50	7790.50	3	5/8 x 5	
12	11.00 – 12.88	200	0 – 1.50	1	28.0	7937.00	8086.50	8236.50	3	5/8 x 5	
14	13.00 – 14.88	200	0 – 1.50	1	31.0	8374.00	8562.00	8712.50	3	5/8 x 5	
16	15.00 – 16.88	200	0 – 1.50	1	48.0	10970.50	11158.50	11344.00	3	3/4 x 6	
			0 – 2.00	1	102.0	29281.50	29843.50	30331.00	4	3/4 x 6	
		300	0 – 3.00	1	115.0	35136.00	35700.00	36185.00	5	3/4 x 6	
			0 – 4.00	1	125.0	42162.50	42724.50	43212.00	5	3/4 x 6	
18	17.00 – 18.88	150	0 – 1.50	1	52.0	11462.50	11689.50	11876.50	3	3/4 x 6	
			0 – 2.00	1	111.0	31380.00	31980.50	32544.00	4	3/4 x 6	
		250	0 – 3.00	1	125.0	37656.50	38256.50	38820.00	5	3/4 x 6	
			0 – 4.00	1	136.0	45184.00	45784.50	46347.00	5	3/4 x 6	
20	19.00 – 21.88	150	0 – 1.50	1	56.0	12253.50	12515.00	12703.00	3	3/4 x 6	
			0 – 2.00	1	120.0	33711.00	34386.00	35025.50	4	3/4 x 6	
		250	0 – 3.00	1	135.0	40456.50	41133.00	41768.00	5	3/4 x 6	
			0 – 4.00	1	147.0	48545.50	49221.50	49856.50	5	3/4 x 6	
24	22.00 – 26.88	100	0 – 1.50	1	66.0	13098.00	13508.00	13849.00	3	3/4 x 6	
			0 – 2.00	1	140.0	37705.50	38683.00	39581.50	4	3/4 x 6	
			0 – 3.00	1	156.0	45247.50	46223.00	47124.00	5	3/4 x 6	
		150	0 – 4.00	1	171.0	54298.50	55273.50	56171.00	5	3/4 x 6	
			300	0 – 2.00	2	323.0	87041.50	88017.50	88918.00	8	7/8 x 8
				0 – 3.00	2	368.0	104448.50	105425.00	106325.00	10	7/8 x 8
0 – 4.00	2	402.0		125340.00	126314.50	127215.50	10	7/8 x 8			

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

See product submittal for recommended assembly tool.

\* Coupling complete price includes coupling body, fasteners, o-rings, sealing plate(s) and restraint rings.

Note: This data applies when stainless steel couplings are being used on stainless steel pipe. For performance on other types of pipe contact Victaulic for details.

(1) Bolted-split-sleeve couplings must be used on pipe with a minimum wall thickness that meets the requirements of AWWA C200 for carbon steel or C220 for stainless steel.

(2) For an actual pipe O.D., round down to the nearest 1/8" to determine proper coupling size required.

(3) For allowable test or transient pressure, the maximum working pressure may be increased to 1 1/2 times the values shown. For pressure ratings on pipe materials other than stainless steel, please contact Victaulic for details.

(4) One-segment couplings may be available as two-segment couplings to allow for in-place pipe installations. Contact Victaulic for details.

(5) Coupling weights are based on nominal pipe diameter and include all accessories. Weight may vary based on actual size of pipe.

(6) Fluoroelastomer o-rings are available for an additional charge. Please specify when ordering.

# Bolted Split-Sleeve Couplings

## Style 231S

### NON-RESTRAINED FLEXIBLE EXPANSION COUPLING FOR STAINLESS STEEL PIPE

(Formerly FxE)

Non-Restrained Expansion Coupling for  
Stainless Steel Pipe

Refer to publication 60.04

#### STYLE 231S – NON-RESTRAINED FLEXIBLE EXPANSION COUPLING FOR STAINLESS STEEL PIPE

PIPE		Max. Work Press.  psi (3)	Pipe End Separation  Min. – Max.  inches	No.  Segments (4)	Approx. Wgt. Ea.  lb (5)	COUPLING COMPLETE			SPARE PARTS	
Nom. Size	inches (1) (2)  Actual Pipe O.D. Range					with EPDM, Isoprene, or Silicone O-Ring	with Nitrile O-Ring	with Neoprene O-Ring	Fasteners  No.	Fastener Dimension  Dia. x Length
		Price Each * (6)								
30	27.00 – 32.88	100	0 – 2.00	1	169.0	\$42664.00	\$43863.50	\$44951.00	4	3/4 x 6
			0 – 3.00	1	186.0	51197.00	52397.00	53483.50	5	3/4 x 6
			0 – 4.00	1	204.0	61433.00	62632.50	63721.50	5	3/4 x 6
		300	0 – 2.00	2	373.0	97511.00	98709.50	99797.00	8	7/8 x 8
			0 – 3.00	2	425.0	117013.00	118229.00	119299.50	10	7/8 x 8
			0 – 4.00	2	464.0	140412.00	141611.00	142699.50	10	7/8 x 8
36	33.00 – 38.88	75	0 – 2.00	1	196.0	47096.50	48521.50	49834.50	4	3/4 x 6
			0 – 3.00	1	216.0	56514.50	57938.50	59252.50	5	3/4 x 6
			0 – 4.00	1	237.0	67816.50	69242.00	70554.00	5	3/4 x 6
		250	0 – 2.00	2	425.0	107948.50	109374.00	110687.00	8	7/8 x 8
			0 – 3.00	2	483.0	129538.50	130964.50	132275.50	10	7/8 x 8
			0 – 4.00	2	528.0	153059.50	154485.50	155796.50	10	7/8 x 8
42	39.00 – 44.88	50	0 – 2.00	1	224.0	52081.00	53731.00	55232.00	4	3/4 x 6
			0 – 3.00	1	246.0	62498.00	64150.50	65650.00	5	3/4 x 6
			0 – 4.00	1	270.0	74997.00	76647.50	78146.50	5	3/4 x 6
		200	0 – 2.00	2	475.0	119292.00	120942.00	122440.00	8	7/8 x 8
			0 – 3.00	2	539.0	143151.50	144801.00	146300.50	10	7/8 x 8
			0 – 4.00	2	591.0	171778.50	173430.00	174926.50	10	7/8 x 8
48	45.00 – 50.88	50	0 – 2.00	1	251.0	60682.50	62558.50	64283.00	4	3/4 x 6
			0 – 3.00	1	277.0	72818.50	74696.50	76422.00	5	3/4 x 6
			0 – 4.00	1	303.0	87384.00	89259.50	90984.50	5	3/4 x 6
		200	0 – 2.00	2	526.0	135999.50	137872.00	139597.50	8	7/8 x 8
			0 – 3.00	2	596.0	163197.50	165073.00	166798.50	10	7/8 x 8
			0 – 4.00	2	655.0	195836.50	197713.00	199436.50	10	7/8 x 8
54	51.00 – 56.88	25	0 – 2.00	1	306.0	+	+	+	4	7/8 x 8
			0 – 3.00	1	341.0	+	+	+	5	7/8 x 8
			0 – 4.00	1	371.0	+	+	+	5	7/8 x 8
		175	0 – 2.00	2	563.0	+	+	+	8	7/8 x 8
			0 – 3.00	2	638.0	+	+	+	10	7/8 x 8
			0 – 4.00	2	702.0	+	+	+	10	7/8 x 8

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

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

See product submittal for recommended assembly tool.

\* Coupling complete price includes coupling body, fasteners, o-rings, sealing plate(s) and restraint rings.

Note: This data applies when stainless steel couplings are being used on stainless steel pipe. For performance on other types of pipe contact Victaulic for details.

(1) Bolted-split-sleeve couplings must be used on pipe with a minimum wall thickness that meets the requirements of AWWA C200 for carbon steel or C220 for stainless steel.

(2) For an actual pipe O.D., round down to the nearest 1/8" to determine proper coupling size required.

(3) For allowable test or transient pressure, the maximum working pressure may be increased to 1 1/2 times the values shown. For pressure ratings on pipe materials other than stainless steel, please contact Victaulic for details.

(4) One-segment couplings may be available as two-segment couplings to allow for in-place pipe installations. Contact Victaulic for details.

(5) Coupling weights are based on nominal pipe diameter and include all accessories. Weight may vary based on actual size of pipe.

(6) Fluoroelastomer o-rings are available for an additional charge. Please specify when ordering.

# Bolted Split-Sleeve Couplings

## Style 231S

### NON-RESTRAINED FLEXIBLE EXPANSION COUPLING FOR STAINLESS STEEL PIPE

(Formerly FxE)

Non-Restrained Expansion Coupling for  
Stainless Steel Pipe

Refer to publication 60.04

#### STYLE 231S – NON-RESTRAINED FLEXIBLE EXPANSION COUPLING FOR STAINLESS STEEL PIPE

PIPE		Max. Work Press.	Pipe End Separation	Minimum No.	Approx. Wgt. Ea.	COUPLING COMPLETE			SPARE PARTS	
inches (1) (2)		psi (3)	Min. – Max. inches	Segments (4)	lb (5)	with EPDM, Isoprene, or Silicone O-Ring	with Nitrile O-Ring	with Neoprene O-Ring	Fasteners No.	Fastener Dimension Dia. x Length
Nom. Size	Actual Pipe O.D. Range					Price Each * (6)				
60	57.00 – 62.88	25	0 – 2.00	2	390.0	+	+	+	8	7/8 x 8
			0 – 3.00	2	438.0	+	+	+	10	7/8 x 8
			0 – 4.00	2	476.0	+	+	+	10	7/8 x 8
		150	0 – 2.00	2	615.0	+	+	+	8	7/8 x 8
			0 – 3.00	2	696.0	+	+	+	10	7/8 x 8
			0 – 4.00	2	765.0	+	+	+	10	7/8 x 8
66	63.00 – 68.88	150	0 – 2.00	2	652.0	+	+	+	8	7/8 x 8
			0 – 3.00	2	739.0	+	+	+	10	7/8 x 8
			0 – 4.00	2	812.0	+	+	+	10	7/8 x 8
72	69.00 – 74.88	125	0 – 2.00	2	703.0	+	+	+	8	7/8 x 8
			0 – 3.00	2	795.0	+	+	+	10	7/8 x 8
			0 – 4.00	2	875.0	+	+	+	10	7/8 x 8
78	75.00 – 80.88	125	0 – 2.00	2	742.0	+	+	+	8	7/8 x 8
			0 – 3.00	2	838.0	+	+	+	10	7/8 x 8
			0 – 4.00	2	922.0	+	+	+	10	7/8 x 8
84	81.00 – 86.88	100	0 – 2.00	2	792.0	+	+	+	8	7/8 x 8
			0 – 3.00	2	911.0	+	+	+	10	7/8 x 8
			0 – 4.00	2	1001.0	+	+	+	10	7/8 x 8
90	87.00 – 92.88	100	0 – 2.00	2	830.0	+	+	+	8	7/8 x 8
			0 – 3.00	2	937.0	+	+	+	10	7/8 x 8
			0 – 4.00	2	1032.0	+	+	+	10	7/8 x 8
96	93.00 – 102.00	100	0 – 2.00	2	893.0	+	+	+	8	7/8 x 8
			0 – 3.00	2	1008.0	+	+	+	10	7/8 x 8
			0 – 4.00	2	1111.0	+	+	+	10	7/8 x 8

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

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

See product submittal for recommended assembly tool.

\* Coupling complete price includes coupling body, fasteners, o-rings, sealing plate(s) and restraint rings.

Note: This data applies when stainless steel couplings are being used on stainless steel pipe. For performance on other types of pipe contact Victaulic for details.

(1) Bolted-split-sleeve couplings must be used on pipe with a minimum wall thickness that meets the requirements of AWWA C200 for carbon steel or C220 for stainless steel.

(2) For an actual pipe O.D., round down to the nearest 1/8" to determine proper coupling size required.

(3) For allowable test or transient pressure, the maximum working pressure may be increased to 1 1/2 times the values shown. For pressure ratings on pipe materials other than stainless steel, please contact Victaulic for details.

(4) One-segment couplings may be available as two-segment couplings to allow for in-place pipe installations. Contact Victaulic for details.

(5) Coupling weights are based on nominal pipe diameter and include all accessories. Weight may vary based on actual size of pipe.

(6) Fluoroelastomer o-rings are available for an additional charge. Please specify when ordering.

# Bolted Split-Sleeve Couplings

C 0231 0096 50 X 2 C E O X X B

Class	Style	Actual Pipe O.D.*		Body Type	Segments	PSI/kPa Rating	Rubber Compound	Paint	Hardware	Ring Pipe Material	Movement †
		Inches <sup>^</sup>	Fraction								
C	0231	0002 through 0102	00 - 0 13 - 1/8 25 - 1/4 38 - 3/8 50 - 1/2 63 - 5/8 75 - 3/4 88 - 7/8	X - Stainless	1 - One 2 - Two	A - 25/170 B - 50/345 C - 75/515 D - 100/690 E - 125/860 F - 150/1035 G - 175/1200 H - 200/1375 J - 250/1725 K - 300/2065	E - EPDM I - Isoprene L - Silicone T - Nitrile V - Neoprene O - Fluoro-elastomer	0 - None	X - Stainless	X - Stainless Ring on Stainless Steel Pipe S - Carbon Steel Ring on Carbon Steel Pipe	A - 0.75" B - 1.25" C - 1.50" D - 2.00" E - 3.00" F - 4.00"

<sup>^</sup> Couplings are available in a range of nominal sizes from 3 - 96". For additional sizes, contact Victaulic.

\* For actual pipe O.D. round down to the nearest 1/8" to determine proper coupling size required.

† Movement provided is dependent on size and body type and must correspond to allowable movements published in the product submittal.

# Bolted Split-Sleeve Couplings

## Style 231S Spare Parts

### NON-RESTRAINED FLEXIBLE EXPANSION COUPLING FOR STAINLESS STEEL PIPE

(Formerly FxE)  
 Non-Restrained Expansion Coupling for  
 Stainless Steel Pipe  
 Refer to publication 60.04



#### STYLE 231S – SPARE PARTS

PIPE		Max. Work Press. psi	Pipe End Separation inches	SPARE PARTS							
Nom. Size	Actual Pipe O.D. Range			Min. – Max.	Restraint Rings No. Required	Stainless Steel Restraint Ring Price Each	EPDM, Isoprene, or Silicone O-Ring	Nitrile O-Ring	Neoprene O-Ring	Fluoroelastomer O-Ring	Segments No.
3	2.88 – 3.50	300	0 – 0.75	1	\$350.50	\$930.00	\$1285.50	\$1285.50	+	1	\$1309.50
4	3.63 – 4.88	300	0 – 0.75	1	350.50	930.00	1285.50	1285.50	+	1	1309.50
6	5.00 – 6.88	300	0 – 1.25	1	350.50	930.00	1333.50	1377.50	+	1	1697.50
8	7.00 – 8.88	200	0 – 1.50	1	364.00	1041.00	1560.00	1654.00	+	1	1948.50
10	9.00 – 10.88	200	0 – 1.50	1	375.00	1074.50	1605.50	1745.00	+	1	1948.50
12	11.00 – 12.88	200	0 – 1.50	1	386.00	1112.00	1698.00	1836.50	+	1	1948.50
14	13.00 – 14.88	200	0 – 1.50	1	386.00	1145.00	1745.00	1881.00	+	1	1948.50
16	15.00 – 16.88	200	0 – 1.50	1	398.50	1254.00	1926.50	2201.50	+	1	1948.50
			0 – 2.00	2	398.50	1254.00	1926.50	2201.50	+	1	1948.50
		300	0 – 3.00	2	398.50	1254.00	1926.50	2201.50	+	1	1948.50
			0 – 4.00	2	398.50	1254.00	1926.50	2201.50	+	1	1948.50
18	17.00 – 18.88	150	0 – 1.50	1	411.00	1280.00	2019.50	2294.00	+	1	1948.50
			0 – 2.00	2	411.00	1280.00	2019.50	2294.00	+	1	1948.50
		250	0 – 3.00	2	411.00	1280.00	2019.50	2294.00	+	1	1948.50
			0 – 4.00	2	411.00	1280.00	2019.50	2294.00	+	1	1948.50
20	19.00 – 21.88	150	0 – 1.50	1	421.50	1323.50	2110.00	2431.00	+	1	1948.50
			0 – 2.00	2	421.50	1323.50	2110.00	2431.00	+	1	1948.50
		250	0 – 3.00	2	421.50	1323.50	2110.00	2431.00	+	1	1948.50
			0 – 4.00	2	421.50	1323.50	2110.00	2431.00	+	1	1948.50
24	22.00 – 26.88	100	0 – 1.50	1	493.50	1494.00	2479.50	2929.50	+	1	1948.50
			0 – 2.00	2	493.50	1494.00	2479.50	2929.50	+	1	1948.50
			0 – 3.00	2	493.50	1494.00	2479.50	2929.50	+	1	1948.50
			0 – 4.00	2	493.50	1494.00	2479.50	2929.50	+	1	1948.50
		300	0 – 2.00	2	493.50	1494.00	2479.50	2929.50	+	2	2164.00
			0 – 3.00	2	493.50	1494.00	2479.50	2929.50	+	2	2164.00
30	27.00 – 32.88	100	0 – 2.00	2	517.50	1999.00	3391.50	4079.50	+	1	2164.00
			0 – 3.00	2	517.50	1999.00	3391.50	4079.50	+	1	2164.00
			0 – 4.00	2	517.50	1999.00	3391.50	4079.50	+	1	2164.00
		300	0 – 2.00	2	517.50	1999.00	3391.50	4079.50	+	2	2164.00
			0 – 3.00	2	517.50	1999.00	3391.50	4079.50	+	2	2164.00
			0 – 4.00	2	517.50	1999.00	3391.50	4079.50	+	2	2164.00

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

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

# Sealing plate price shown for EPDM, Isoprene, Silicone, Nitrile, and Neoprene. Where other sealing pad material is needed to match the o-ring material used, contact Victaulic for pricing.

† Number of sealing plates required equals number of housing segments.



# Bolted Split-Sleeve Couplings

## Style 231S Spare Parts

### NON-RESTRAINED FLEXIBLE EXPANSION COUPLING FOR STAINLESS STEEL PIPE

(Formerly FxE)  
Non-Restrained Expansion Coupling for  
Stainless Steel Pipe  
Refer to publication 60.04

#### STYLE 231S – SPARE PARTS

PIPE		Max. Work Press. psi	Pipe End Separation Min. – Max. inches	SPARE PARTS							
Nom. Size	Actual Pipe O.D. Range			Restraint Rings No. Required	Stainless Steel Restraint Ring Price Each	EPDM, Isoprene, or Silicone O-Ring Price Per 2	Nitrile O-Ring Price Per 2	Neoprene O-Ring Price Per 2	Fluoroelastomer O-Ring Price Per 2	Segments No.	Sealing Plate #† Price Each
36	33.00 – 38.88	75	0 – 2.00	2	\$529.00	\$2212.00	\$3760.00	\$4581.00	+	1	\$1937.50
			0 – 3.00	2	529.00	2212.00	3760.00	4581.00	+	1	1937.50
			0 – 4.00	2	529.00	2212.00	3760.00	4581.00	+	1	1937.50
		250	0 – 2.00	2	529.00	2212.00	3760.00	4581.00	+	2	2164.00
			0 – 3.00	2	529.00	2212.00	3760.00	4581.00	+	2	2164.00
			0 – 4.00	2	529.00	2212.00	3760.00	4581.00	+	2	2164.00
42	39.00 – 44.88	50	0 – 2.00	2	559.50	2677.50	4719.50	5818.00	+	1	1937.50
			0 – 3.00	2	559.50	2677.50	4719.50	5818.00	+	1	1937.50
			0 – 4.00	2	559.50	2677.50	4719.50	5818.00	+	1	1937.50
		200	0 – 2.00	2	559.50	2677.50	4719.50	5818.00	+	2	2164.00
			0 – 3.00	2	559.50	2677.50	4719.50	5818.00	+	2	2164.00
			0 – 4.00	2	559.50	2677.50	4719.50	5818.00	+	2	2164.00
48	45.00 – 50.88	50	0 – 2.00	2	621.50	2890.50	5129.50	6410.00	+	1	1937.50
			0 – 3.00	2	621.50	2890.50	5129.50	6410.00	+	1	1937.50
			0 – 4.00	2	621.50	2890.50	5129.50	6410.00	+	1	1937.50
		200	0 – 2.00	2	621.50	2890.50	5129.50	6410.00	+	2	2164.00
			0 – 3.00	2	621.50	2890.50	5129.50	6410.00	+	2	2164.00
			0 – 4.00	2	621.50	2890.50	5129.50	6410.00	+	2	2164.00
54	51.00 – 56.88	25	0 – 2.00	2	+	+	+	+	+	1	+
			0 – 3.00	2	+	+	+	+	+	1	+
			0 – 4.00	2	+	+	+	+	+	1	+
		175	0 – 2.00	2	+	+	+	+	+	2	+
			0 – 3.00	2	+	+	+	+	+	2	+
			0 – 4.00	2	+	+	+	+	+	2	+
60	57.00 – 62.88	25	0 – 2.00	2	+	+	+	+	+	2	+
			0 – 3.00	2	+	+	+	+	+	2	+
			0 – 4.00	2	+	+	+	+	+	2	+
		150	0 – 2.00	2	+	+	+	+	+	2	+
			0 – 3.00	2	+	+	+	+	+	2	+
			0 – 4.00	2	+	+	+	+	+	2	+
66	63.00 – 68.88	150	0 – 2.00	2	+	+	+	+	+	2	+
			0 – 3.00	2	+	+	+	+	+	2	+
			0 – 4.00	2	+	+	+	+	+	2	+
72	69.00 – 74.88	125	0 – 2.00	2	+	+	+	+	+	2	+
			0 – 3.00	2	+	+	+	+	+	2	+
			0 – 4.00	2	+	+	+	+	+	2	+

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

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

# Bolted Split-Sleeve Couplings

# Sealing plate price shown for EPDM, Isoprene, Silicone, Nitrile, and Neoprene. Where other sealing pad material is needed to match the o-ring material used, contact Victaulic for pricing.

† Number of sealing plates required equals number of housing segments.

## Style 231S Spare Parts

### NON-RESTRAINED FLEXIBLE EXPANSION COUPLING FOR STAINLESS STEEL PIPE

(Formerly FxE)

Non-Restrained Expansion Coupling for  
Stainless Steel Pipe

Refer to publication 60.04

#### STYLE 231S – SPARE PARTS

PIPE		Max. Work Press.  psi	Pipe End Separation	SPARE PARTS							
inches			Min. – Max.	Restraint Rings	Stainless Steel Restraint Ring	EPDM, Isoprene, or Silicone O-Ring	Nitrile O-Ring	Neoprene O-Ring	Fluoroelastomer O-Ring	Segments	Sealing Plate #†
Nom. Size	Actual Pipe O.D. Range		inches	No. Required	Price Each	Price Per 2				No.	Price Each
78	75.00 – 80.88	125	0 – 2.00	2	+	+	+	+	+	2	+
			0 – 3.00	2	+	+	+	+	+	2	+
			0 – 4.00	2	+	+	+	+	+	2	+
84	81.00 – 86.88	100	0 – 2.00	2	+	+	+	+	+	2	+
			0 – 3.00	2	+	+	+	+	+	2	+
			0 – 4.00	2	+	+	+	+	+	2	+
90	87.00 – 92.88	100	0 – 2.00	2	+	+	+	+	+	2	+
			0 – 3.00	2	+	+	+	+	+	2	+
			0 – 4.00	2	+	+	+	+	+	2	+
96	93.00 – 102.00	100	0 – 2.00	2	+	+	+	+	+	2	+
			0 – 3.00	2	+	+	+	+	+	2	+
			0 – 4.00	2	+	+	+	+	+	2	+

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

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

# Sealing plate price shown for EPDM, Isoprene, Silicone, Nitrile, and Neoprene. Where other sealing pad material is needed to match the o-ring material used, contact Victaulic for pricing.

† Number of sealing plates required equals number of housing segments.

# Bolted Split-Sleeve Couplings

## Style 232

### RESTRAINED FLEXIBLE COUPLING

(Formerly FxF)  
 Restrained Flexible Coupling  
 Refer to publication 60.05



STYLE 232 – RESTRAINED FLEXIBLE COUPLING

PIPE		Max. Work Press.	No.	Approx. Wgt. Ea.	COUPLING COMPLETE			Coating Adder	SPARE PARTS	
inches (1) (2)		psi (3)	Segments (4)	lb (5)	with EPDM, Isoprene, or Silicone O-Ring	with Nitrile O-Ring	with Neoprene O-Ring	Fusion Bonded Nylon Coating	Fasteners	Fastener Dimension
Nom. Dia.	Actual Pipe O.D. Range				Price Each * (6)					
8	7.00 – 8.88	200	1	21.0	\$5866.50	\$6017.50	\$6092.00	\$267.00	3	5/8 x 5
		300	1	28.0	8169.50	8396.50	8546.00	306.50	3	5/8 x 5
10	9.00 – 10.88	200	1	24.0	6188.00	6338.50	6450.50	342.50	3	5/8 x 5
		300	1	41.0	8663.50	8927.50	9153.50	381.50	3	5/8 x 5
12	11.00 – 12.88	150	1	28.0	6421.00	6569.50	6720.50	381.50	3	5/8 x 5
		300	1	45.0	9423.00	9723.50	9985.50	418.00	3	3/4 x 6
14	13.00 – 14.88	100	1	31.0	6653.50	6842.50	6992.00	418.00	3	5/8 x 5
		300	1	50.0	9862.50	10162.00	10461.00	493.00	3	3/4 x 6
16	15.00 – 16.88	75	1	44.0	7178.50	7368.00	7554.50	493.00	3	3/4 x 6
		200	1	57.0	10591.00	11041.00	11452.00	529.00	3	3/4 x 6
		300	1	85.0	13272.00	13946.50	14547.00	643.00	4	3/4 x 6
18	17.00 – 18.88	50	1	48.0	7442.50	7666.50	7853.50	529.00	3	3/4 x 6
		200	1	62.0	11115.50	11602.50	12053.00	569.00	3	3/4 x 6
		300	1	94.0	13944.00	14694.00	15368.00	719.00	4	3/4 x 6
20	19.00 – 21.88	25	1	52.0	7790.50	8053.00	8240.50	606.00	3	3/4 x 6
		200	1	68.0	11785.50	12348.00	12835.50	643.00	3	3/4 x 6
		300	1	102.0	15315.00	16140.50	16888.50	792.00	4	3/4 x 6
24	22.00 – 26.88	25	1	61.0	8580.00	8954.00	9292.50	719.00	3	3/4 x 6
		150	1	81.0	13592.00	14456.00	15244.00	792.00	3	3/4 x 6
		250	1	119.0	17092.00	18105.00	19080.00	982.00	4	3/4 x 6
		300	2	248.0	29104.50	30343.50	31466.00	982.00	8	7/8 x 8
30	27.00 – 32.88	100	1	97.0	15518.00	16494.50	17431.00	942.50	3	3/4 x 6
		200	1	146.0	18872.00	20068.50	21159.50	1169.50	4	3/4 x 6
		300	2	293.0	31787.00	33211.00	34526.00	1169.50	8	7/8 x 8

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

See product submittal for recommended assembly tool.

\* Coupling complete price includes coupling body, fasteners, o-rings, sealing plate(s) and restraint rings.

Note: This data applies when carbon steel couplings are being used on carbon steel pipe. For feasibility and performance on other types of pipe contact Victaulic.

(1) Bolted-split-sleeve couplings must be used on pipe with a minimum wall thickness that meets the requirements of AWWA C200 for carbon steel or C220 for stainless steel.

(2) For an actual pipe O.D., round down to the nearest 1/8" to determine proper coupling size required.

(3) For allowable test or transient pressure, the maximum working pressure may be increased to 1 1/2 times the values shown. For pressure ratings on pipe materials other than carbon steel, please contact Victaulic for details.

(4) One-segment couplings may be available as two-segment couplings to allow for in-place pipe installations. Contact Victaulic for details.

(5) Coupling weights are based on nominal pipe diameter and include all accessories. Weight may vary based on actual size of pipe.

(6) Fluoroelastomer o-rings are available for an additional charge. Please specify when ordering.

(7) Optional coatings available upon request. Contact Victaulic for details. Please refer to the product numbering chart for all available coatings. Coatings must be specified at time of order.

# Bolted Split-Sleeve Couplings

## Style 232

### RESTRAINED FLEXIBLE COUPLING

(Formerly FxF)  
 Restrained Flexible Coupling  
 Refer to publication 60.05

#### STYLE 232 – RESTRAINED FLEXIBLE COUPLING

PIPE		Max. Work Press.	No.	Approx. Wgt. Ea.	COUPLING COMPLETE			Coating Adder	SPARE PARTS	
inches (1) (2)		psi (3)	Segments (4)	lb (5)	with EPDM, Isoprene, or Silicone O-Ring	with Nitrile O-Ring	with Neoprene O-Ring	Fusion Bonded Nylon Coating	Fasteners	Fastener Dimension
Nom. Dia.	Actual Pipe O.D. Range				Price Each * (6)			Price Each (7)	No.	Dia. x Length
36	33.00 – 38.88	150	1	171.0	\$21232.00	\$22658.50	\$23969.00	\$1206.00	4	3/4 x 6
		250	2	337.0	34674.50	36362.00	37935.50	1244.00	8	7/8 x 8
		300	2	520.0	45171.00	47158.50	48995.00	1279.50	8	1 x 8
42	39.00 – 44.88	150	1	195.0	23449.00	25099.00	26598.50	1169.50	4	3/4 x 6
		200	2	381.0	37793.00	39744.00	41581.00	1244.00	8	7/8 x 8
		300	2	590.0	49457.50	51745.00	53881.00	1279.50	8	1 x 8
48	45.00 – 50.88	100	1	220.0	25576.50	27452.00	29175.00	1128.50	4	3/4 x 6
		150	2	425.0	40828.50	43040.50	45137.00	1206.00	8	7/8 x 8
		250	2	658.0	53687.00	56275.00	58745.50	1206.00	8	1 x 8
		300	2	864.0	62755.00	66729.50	70440.00	1244.00	8	1 x 8
54	51.00 – 56.88	150	2	459.0	433597.00	46070.00	48396.00	1169.50	8	7/8 x 8
		200	2	727.0	57709.00	60634.50	63371.50	1128.50	8	1 x 8
		250	2	956.0	67768.50	72193.50	76391.50	1128.50	8	1 x 8
		300	2	1434.0	85730.50	89105.00	92289.00	1206.00	10	1 1/4 x 10
		400	2	1708.0	91999.00	95374.50	98561.00	1244.00	10	1 1/4 x 10
60	57.00 – 62.88	150	2	503.0	47650.00	50389.00	52973.50	1092.50	8	7/8 x 8
		200	2	796.0	61909.00	65132.00	68169.50	1128.50	8	1 x 8
		250	2	1047.0	73542.50	78452.50	83064.50	1169.50	8	1 x 8
		300	2	1567.0	91444.50	95194.00	98719.50	1169.50	10	1 1/4 x 10
		400	2	1869.0	98240.50	101989.00	105513.00	1206.00	10	1 1/4 x 10
66	63.00 – 68.88	100	2	537.0	50390.00	53390.00	56238.50	1092.50	8	7/8 x 8
		150	2	849.0	65815.50	69342.50	72678.00	1092.50	8	1 x 8
		200	2	1139.0	78558.50	83921.00	89017.50	1128.50	8	1 x 8
		250	2	1675.0	96956.00	101041.50	104942.00	1128.50	10	1 1/4 x 10
		350	2	1997.0	104186.50	108273.00	112172.50	1169.50	10	1 1/4 x 10

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

See product submittal for recommended assembly tool.

\* Coupling complete price includes coupling body, fasteners, o-rings, sealing plate(s) and restraint rings.

Note: This data applies when carbon steel couplings are being used on carbon steel pipe. For feasibility and performance on other types of pipe contact Victaulic.

(1) Bolted-split-sleeve couplings must be used on pipe with a minimum wall thickness that meets the requirements of AWWA C200 for carbon steel or C220 for stainless steel.

(2) For an actual pipe O.D., round down to the nearest 1/8" to determine proper coupling size required.

(3) For allowable test or transient pressure, the maximum working pressure may be increased to 1 1/2 times the values shown. For pressure ratings on pipe materials other than carbon steel, please contact Victaulic for details.

(4) One-segment couplings may be available as two-segment couplings to allow for in-place pipe installations. Contact Victaulic for details.

(5) Coupling weights are based on nominal pipe diameter and include all accessories. Weight may vary based on actual size of pipe.

(6) Fluoroelastomer o-rings are available for an additional charge. Please specify when ordering.

(7) Optional coatings available upon request. Contact Victaulic for details. Please refer to the product numbering chart for all available coatings. Coatings must be specified at time of order.

# Bolted Split-Sleeve Couplings

## Style 232

### RESTRAINED FLEXIBLE COUPLING

(Formerly FxF)  
 Restrained Flexible Coupling  
 Refer to publication 60.05

#### STYLE 232 – RESTRAINED FLEXIBLE COUPLING

PIPE		Max. Work Press.	No.	Approx. Wgt. Ea.	COUPLING COMPLETE			Coating Adder	SPARE PARTS	
inches (1) (2)		psi (3)	Segments (4)	lb (5)	with EPDM, Isoprene, or Silicone O-Ring	with Nitrile O-Ring	with Neoprene O-Ring	Fusion Bonded Nylon Coating	Fasteners	Fastener Dimension
Nom. Dia.	Actual Pipe O.D. Range				Price Each * (6)					
72	69.00 – 74.88	100	2	581.0	\$54619.00	\$57881.00	\$60993.00	\$1055.50	8	7/8 x 8
		150	2	918.0	71531.00	75392.00	79029.00	1055.50	8	1 x 8
		200	2	1231.0	85935.50	91782.50	97331.50	1092.50	8	1 x 8
		250	2	1816.0	104013.50	108473.00	112710.00	1128.50	10	1 1/4 x 10
		350	2	2169.0	111826.50	116288.50	120525.00	1169.50	10	1 1/4 x 10
78	75.00 – 80.88	100	2	614.0	+	+	+	+	8	7/8 x 8
		150	2	987.0	+	+	+	+	8	1 x 8
		175	2	1322.0	+	+	+	+	8	1 x 8
		200	2	1924.0	+	+	+	+	10	1 1/4 x 10
		300	2	2297.0	+	+	+	+	10	1 1/4 x 10
84	81.00 – 86.88	100	2	658.0	+	+	+	+	8	7/8 x 8
		150	2	1040.0	+	+	+	+	8	1 x 8
		175	2	1394.0	+	+	+	+	8	1 x 8
		200	2	2056.0	+	+	+	+	10	1 1/4 x 10
		300	2	2458.0	+	+	+	+	10	1 1/4 x 10
90	87.00 – 92.88	100	2	692.0	+	+	+	+	8	7/8 x 8
		125	2	1093.0	+	+	+	+	8	1 x 8
		150	2	1485.0	+	+	+	+	8	1 x 8
		200	2	2170.0	+	+	+	+	10	1 1/4 x 10
		250	2	2594.0	+	+	+	+	10	1 1/4 x 10
96	93.00 – 101.88	100	2	745.0	+	+	+	+	8	7/8 x 8
		125	2	1176.0	+	+	+	+	8	1 x 8
		150	2	1595.0	+	+	+	+	8	1 x 8
		200	2	2277.0	+	+	+	+	10	1 1/4 x 10
		250	2	2721.0	+	+	+	+	10	1 1/4 x 10

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

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

See product submittal for recommended assembly tool.

\* Coupling complete price includes coupling body, fasteners, o-rings, sealing plate(s) and restraint rings.

Note: This data applies when carbon steel couplings are being used on carbon steel pipe. For feasibility and performance on other types of pipe contact Victaulic.

(1) Bolted-split-sleeve couplings must be used on pipe with a minimum wall thickness that meets the requirements of AWWA C200 for carbon steel or C220 for stainless steel.

(2) For an actual pipe O.D., round down to the nearest 1/8" to determine proper coupling size required.

(3) For allowable test or transient pressure, the maximum working pressure may be increased to 1 1/2 times the values shown. For pressure ratings on pipe materials other than carbon steel, please contact Victaulic for details.

(4) One-segment couplings may be available as two-segment couplings to allow for in-place pipe installations. Contact Victaulic for details.

(5) Coupling weights are based on nominal pipe diameter and include all accessories. Weight may vary based on actual size of pipe.

(6) Fluoroelastomer o-rings are available for an additional charge. Please specify when ordering.

(7) Optional coatings available upon request. Contact Victaulic for details. Please refer to the product numbering chart for all available coatings. Coatings must be specified at time of order.

# Bolted Split-Sleeve Couplings

## Style 232

### RESTRAINED FLEXIBLE COUPLING

(Formerly FxF)  
 Restrained Flexible Coupling  
 Refer to publication 60.05

#### STYLE 232 – RESTRAINED FLEXIBLE COUPLING

PIPE		Max. Work Press.	No.	Approx. Wgt. Ea.	COUPLING COMPLETE			Coating Adder	SPARE PARTS	
inches (1) (2)		psi (3)	Segments (4)	lb (5)	with EPDM, Isoprene, or Silicone O-Ring	with Nitrile O-Ring	with Neoprene O-Ring	Fusion Bonded Nylon Coating	Fasteners	Fastener Dimension
Nom. Dia.	Actual Pipe O.D. Range				Price Each * (6)			Price Each (7)	No.	Dia. x Length
108	102.00 – 113.88	75	2	813.0	+	+	+	+	8	7/8 x 8
		100	2	1298.0	+	+	+	+	8	1 x 8
		150	2	2493.0	+	+	+	+	10	1 1/4 x 10
		200	2	2977.0	+	+	+	+	10	1 1/4 x 10
120	114.00 – 125.88	75	2	890.0	+	+	+	+	8	7/8 x 8
		100	2	1420.0	+	+	+	+	8	1 x 8
		150	2	2741.0	+	+	+	+	10	1 1/4 x 10
		200	2	3275.0	+	+	+	+	10	1 1/4 x 10
144	126.00 – 150.00	50	2	1026.0	+	+	+	+	8	7/8 x 8
		100	2	2249.0	+	+	+	+	8	1 x 8
		125	2	3173.0	+	+	+	+	10	1 1/4 x 10
		175	2	3788.0	+	+	+	+	10	1 1/4 x 10

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

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

See product submittal for recommended assembly tool.

\* Coupling complete price includes coupling body, fasteners, o-rings, sealing plate(s) and restraint rings.

Note: This data applies when carbon steel couplings are being used on carbon steel pipe. For feasibility and performance on other types of pipe contact Victaulic.

(1) Bolted-split-sleeve couplings must be used on pipe with a minimum wall thickness that meets the requirements of AWWA C200 for carbon steel or C220 for stainless steel.

(2) For an actual pipe O.D., round down to the nearest 1/8" to determine proper coupling size required.

(3) For allowable test or transient pressure, the maximum working pressure may be increased to 1 1/2 times the values shown. For pressure ratings on pipe materials other than carbon steel, please contact Victaulic for details.

(4) One-segment couplings may be available as two-segment couplings to allow for in-place pipe installations. Contact Victaulic for details.

(5) Coupling weights are based on nominal pipe diameter and include all accessories. Weight may vary based on actual size of pipe.

(6) Fluoroelastomer o-rings are available for an additional charge. Please specify when ordering.

(7) Optional coatings available upon request. Contact Victaulic for details. Please refer to the product numbering chart for all available coatings. Coatings must be specified at time of order.

# Bolted Split-Sleeve Couplings

**C 0232 0144 50 S 2 D E P S SO**

Class	Style	Actual Pipe O.D.*		Body Type	Segments	PSI/kPa Rating	Rubber Compound	Paint	Hardware	Ring and Pipe Material
		Inches <sup>^</sup>	Fraction							
C	0232	0007 through 0150	00 - 0 13 - 1/8 25 - 1/4 38 - 3/8 50 - 1/2 63 - 5/8 75 - 3/4 88 - 7/8	S - Carbon	1 - One 2 - Two	A - 25/170 B - 50/345 C - 75/515 D - 100/690 E - 125/860 F - 150/1035 G - 175/1200 H - 200/1375 J - 250/1725 K - 300/2065 L - 350/2410 M - 400/2750	E - EPDM I - Isoprene L - Silicone T - Nitrile V - Neoprene O - Fluoro-elastomer	F - Fusion bonded epoxy P - Orange enamel T - Shop primer B - Liquid epoxy N - Fusion bonded nylon G - Galvanized 0 - None	S - Carbon X - Stainless	SO - Carbon Steel Ring on Carbon Steel Pipe XO - Stainless Steel Ring on Stainless Steel Pipe

<sup>^</sup> Couplings are available in a range of nominal sizes from 8 - 144".

\* For actual pipe O.D. round down to the nearest 1/8" to determine proper coupling size required.

NOTE: Carbon steel rings for ductile iron pipe available. Contact Victaulic for details.

# Bolted Split-Sleeve Couplings

## Style 232 Spare Parts

### RESTRAINED FLEXIBLE COUPLING

(Formerly FxF)  
 Restrained Flexible Coupling  
 Refer to publication 60.05



#### STYLE 232 – SPARE PARTS

PIPE		Max. Work Press. psi	SPARE PARTS							
Nom. Dia.	Actual Pipe O.D. Range		Restraint Rings No. Required	Carbon Steel Restraint Ring Price Each	EPDM, Isoprene, or Silicone O-Ring Price Each	Nitrile O-Ring Price Per 2	Neoprene O-Ring Price Per 2	Fluoroelastomer O-Ring Price Per 2	Segments No.	Sealing Plate #† Price Each
8	7.00 – 8.88	200	2	\$350.50	\$970.00	\$1424.00	\$1471.00	+	1	\$1595.50
		300	2	350.50	1041.00	1560.00	1654.00	+	1	1595.50
10	9.00 – 10.88	200	2	350.50	1004.00	1471.00	1515.50	+	1	1595.50
		300	2	350.50	1074.50	1605.50	1745.00	+	1	1595.50
12	11.00 – 12.88	150	2	350.50	1004.00	1471.00	1560.00	+	1	1595.50
		300	2	350.50	1112.00	1698.00	1836.50	+	1	1595.50
14	13.00 – 14.88	100	2	364.00	1041.00	1515.50	1605.50	+	1	1595.50
		300	2	364.00	1145.00	1745.00	1881.00	+	1	1595.50
16	15.00 – 16.88	75	2	364.00	1041.00	1560.00	1654.00	+	1	1595.50
		200	2	364.00	1254.00	1926.50	2201.50	+	1	1595.50
		300	2	364.00	1428.00	2294.00	2706.50	+	1	2164.00
18	17.00 – 18.88	50	2	364.00	1074.50	1605.50	1698.00	+	1	1595.50
		200	2	364.00	1285.50	2019.50	2294.00	+	1	1595.50
		300	2	375.00	1469.50	2431.00	2843.50	+	1	2164.00
20	19.00 – 21.88	25	2	364.00	1074.50	1605.50	1745.00	+	1	1595.50
		200	2	375.00	1327.00	2110.00	2431.00	+	1	1595.50
		300	2	386.00	1541.00	2567.50	3026.00	+	1	2164.00
24	22.00 – 26.88	25	2	375.00	1182.50	1836.50	2019.50	+	1	1595.50
		150	2	386.00	1570.50	2614.50	3117.00	+	1	1595.50
		250	2	411.00	1715.50	2935.00	3484.00	+	1	1937.50
		300	2	471.00	1967.50	3347.00	4079.50	+	2	2164.00
30	27.00 – 32.88	100	2	398.50	1682.50	2843.50	3391.50	+	1	1595.50
		200	2	435.00	1857.50	3207.50	3895.00	+	1	2164.00
		300	2	493.50	2142.00	3712.00	4489.00	+	2	1937.50
36	33.00 – 38.88	150	2	459.00	2070.00	3574.50	4399.00	+	1	2164.00
		250	2	517.50	2355.00	4169.00	5129.50	+	2	1937.50
		300	2	578.00	2639.00	4675.00	5818.00	+	2	2277.50
42	39.00 – 44.88	150	2	482.50	2252.00	3987.50	4900.50	+	1	2164.00
		200	2	542.50	2608.00	4581.00	5725.50	+	2	1937.50
		300	2	613.50	2925.00	5222.50	6550.00	+	2	2277.50
48	45.00 – 50.88	100	2	505.50	2463.50	4352.00	5406.00	+	1	2164.00
		150	2	566.50	2820.50	5040.00	6321.50	+	2	1937.50
		250	2	637.00	3174.50	5771.50	7235.50	+	2	2277.50
		300	2	828.00	4348.50	8103.50	10393.50	+	2	2277.50

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

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

# Sealing plate price shown for EPDM, Isoprene, Silicone, Nitrile, and Neoprene. Where other sealing pad material is needed to match the o-ring material used, contact Victaulic for pricing.

† Number of sealing plates required equals number of housing segments.



# Bolted Split-Sleeve Couplings

## Style 232 Spare Parts

### RESTRAINED FLEXIBLE COUPLING

(Formerly FxF)  
 Restrained Flexible Coupling  
 Refer to publication 60.05

#### STYLE 232 – SPARE PARTS

PIPE		Max. Work Press. psi	SPARE PARTS							
Nom. Dia. inches	Actual Pipe O.D. Range		Restraint Rings	Carbon Steel Restraint Ring	EPDM, Isoprene, or Silicone O-Ring	Nitrile O-Ring	Neoprene O-Ring	Fluoroelastomer O-Ring	Segments	Sealing Plate #†
		No. Required	Price Each	Price Per 2				No.	Price Each	
54	51.00 – 56.88	150	2	\$589.50	\$3033.00	\$5497.50	\$6915.00	+	2	\$1937.50
		200	2	672.00	3462.00	6273.50	7968.50	+	2	2277.50
		250	2	875.50	4745.00	8884.50	8586.00	+	2	2277.50
		300	2	1161.50	3992.00	7282.00	9204.00	+	2	3050.00
		400	2	1161.50	3992.00	7282.00	9204.00	+	2	3050.00
60	57.00 – 62.88	150	2	613.50	3280.50	5954.50	7555.00	+	2	1937.50
		200	2	697.00	3706.50	6823.50	8653.50	+	2	2277.50
		250	2	925.00	5169.50	9705.00	9340.50	+	2	2277.50
		300	2	1223.00	4313.50	7874.50	10027.50	+	2	3050.00
		400	2	1223.00	4313.50	7874.50	10027.50	+	2	3050.00
66	63.00 – 68.88	100	2	637.00	3493.50	6410.00	8151.50	+	2	1937.50
		150	2	731.50	3958.50	7326.00	9385.50	+	2	2277.50
		200	2	970.50	5558.50	10486.00	10140.50	+	2	2277.50
		250	2	1280.00	4599.00	8516.50	10895.50	+	2	3050.00
		350	2	1280.00	4599.00	8516.50	10895.50	+	2	3050.00
72	69.00 – 74.88	100	2	661.50	3706.50	6869.00	8746.50	+	2	1937.50
		150	2	757.00	4245.50	7874.50	10074.50	+	2	2277.50
		200	2	1019.00	5951.50	11307.50	10897.00	+	2	2277.50
		250	2	1364.50	4918.50	9113.00	11720.00	+	2	3050.00
		350	2	1364.50	4918.50	9113.00	11720.00	+	2	3050.00
78	75.00 – 80.88	100	2	+	+	+	+	+	2	+
		150	2	+	+	+	+	+	2	+
		175	2	+	+	+	+	+	2	+
		200	2	+	+	+	+	+	2	+
		300	2	+	+	+	+	+	2	+
84	81.00 – 86.88	100	2	+	+	+	+	+	2	+
		150	2	+	+	+	+	+	2	+
		175	2	+	+	+	+	+	2	+
		200	2	+	+	+	+	+	2	+
		300	2	+	+	+	+	+	2	+
90	87.00 – 92.88	100	2	+	+	+	+	+	2	+
		125	2	+	+	+	+	+	2	+
		150	2	+	+	+	+	+	2	+
		200	2	+	+	+	+	+	2	+
		250	2	+	+	+	+	+	2	+

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

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

# Sealing plate price shown for EPDM, Isoprene, Silicone, Nitrile, and Neoprene. Where other sealing pad material is needed to match the o-ring material used, contact Victaulic for pricing.

† Number of sealing plates required equals number of housing segments.

# Bolted Split-Sleeve Couplings

## Style 232 Spare Parts

### RESTRAINED FLEXIBLE COUPLING

(Formerly FxF)  
 Restrained Flexible Coupling  
 Refer to publication 60.05

#### STYLE 232 – SPARE PARTS

PIPE		Max. Work Press.	SPARE PARTS							
inches			Restraint Rings	Carbon Steel Restraint Ring	EPDM, Isoprene, or Silicone O-Ring	Nitrile O-Ring	Neoprene O-Ring	Fluoroelastomer O-Ring	Segments	Sealing Plate #†
Nom. Dia.	Actual Pipe O.D. Range	psi	No. Required	Price Each	Price Per 2				No.	Price Each
96	93.00 – 101.88	100	2	+	+	+	+	+	2	+
		125	2	+	+	+	+	+	2	+
		150	2	+	+	+	+	+	2	+
		200	2	+	+	+	+	+	2	+
		250	2	+	+	+	+	+	2	+
108	102.00 – 113.88	75	2	+	+	+	+	+	2	+
		100	2	+	+	+	+	+	2	+
		150	2	+	+	+	+	+	2	+
		200	2	+	+	+	+	+	2	+
120	114.00 – 125.88	75	2	+	+	+	+	+	2	+
		100	2	+	+	+	+	+	2	+
		150	2	+	+	+	+	+	2	+
		200	2	+	+	+	+	+	2	+
144	126.00 – 150.00	50	2	+	+	+	+	+	2	+
		100	2	+	+	+	+	+	2	+
		125	2	+	+	+	+	+	2	+
		175	2	+	+	+	+	+	2	+

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

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

# Sealing plate price shown for EPDM, Isoprene, Silicone, Nitrile, and Neoprene. Where other sealing pad material is needed to match the o-ring material used, contact Victaulic for pricing.

† Number of sealing plates required equals number of housing segments.

# Bolted Split-Sleeve Couplings

## Style 232S

### RESTRAINED FLEXIBLE COUPLING FOR STAINLESS STEEL PIPE

(Formerly FxF)  
 Restrained Flexible Coupling for Stainless Steel Pipe  
 Refer to publication 60.06



STYLE 232S – RESTRAINED FLEXIBLE COUPLING FOR STAINLESS STEEL PIPE

PIPE		Max. Work Press.	No.	Approx. Wgt. Ea.	COUPLING COMPLETE			SPARE PARTS	
inches (1) (2)					psi (3)	Segments (4)	lb (5)	with EPDM, Isoprene, or Silicone O-Ring	with Nitrile O-Ring
Nom. Dia.	Actual Pipe O.D. Range	Price Each *						No.	Dia. x Length
3	2.88 - 3.50	300	1	5.0	\$4201.50	\$4352.50	\$4352.50	3	1/2 x 3/4
4	3.63 - 4.88	300	1	5.0	4349.50	4500.50	4500.50	3	1/2 x 3/4
6	5.00 - 6.88	300	1	12.0	4933.00	5084.00	5084.00	3	1/2 x 3/4
8	7.00 - 8.88	200	1	21.0	7062.00	7212.00	7288.50	3	5/8 x 5
		300	1	39.0	11991.00	12215.00	12365.50	3	5/8 x 5
10	9.00 - 10.88	200	1	24.0	7732.00	7884.00	7996.00	3	5/8 x 5
		250	1	42.0	12920.00	13185.00	13410.00	3	5/8 x 5
12	11.00 - 12.88	150	1	28.0	8139.00	8290.00	8439.50	3	5/8 x 5
		250	1	53.0	15926.00	16225.50	16490.00	3	3/4 x 6
14	13.00 - 14.88	100	1	31.0	8580.00	8767.00	8916.50	3	5/8 x 5
		250	1	59.0	16859.50	17159.50	17460.00	3	3/4 x 6
16	15.00 - 16.88	75	1	48.0	10880.50	11068.00	11257.50	3	3/4 x 6
		250	1	66.0	18084.50	18534.50	18946.00	3	3/4 x 6
18	17.00 - 18.88	50	1	52.0	11639.00	11865.50	12053.00	3	3/4 x 6
		200	1	72.0	19161.00	19650.00	20100.00	3	3/4 x 6
20	19.00 - 21.88	25	1	56.0	12426.00	12690.00	12877.00	3	3/4 x 6
		200	1	77.0	20563.00	21125.50	21612.00	3	3/4 x 6
24	22.00 - 26.88	25	1	66.0	13944.00	14355.50	14694.00	3	3/4 x 6
		100	1	91.0	24237.00	25023.00	25774.50	3	3/4 x 6
		200	1	134.0	31816.50	32793.00	33689.50	4	3/4 x 6
30	27.00 - 32.88	100	1	109.0	27386.00	28361.50	29297.50	3	3/4 x 6
		150	1	162.0	36132.00	37332.50	38421.00	4	3/4 x 6
		200	2	342.0	63278.00	64704.00	66016.50	8	7/8 x 8
36	33.00 - 38.88	100	1	127.0	30533.50	31695.50	32785.50	3	3/4 x 6
		150	1	190.0	40302.00	41729.50	43040.50	4	7/8 x 8
		175	2	394.0	69867.00	71554.50	73130.00	8	7/8 x 8
		200	2	594.0	124801.50	126789.50	128625.50	8	1 x 8

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

See product submittal for recommended assembly tool.

\* Coupling complete price includes coupling body, fasteners, o-rings, sealing plate(s) and restraint rings.

Note: This data applies when stainless steel couplings are being used on stainless steel pipe. For performance on other types of pipe contact Victaulic for details.

- (1) Bolted-split-sleeve couplings must be used on pipe with a minimum wall thickness that meets the requirements of AWWA C200 for carbon steel or C220 for stainless steel.
- (2) For an actual pipe O.D., round down to the nearest 1/8" to determine proper coupling size required.
- (3) For allowable test or transient pressure, the maximum working pressure may be increased to 1 1/2 times the values shown. For pressure ratings on pipe materials other than stainless steel, please contact Victaulic for details.
- (4) One-segment couplings may be available as two-segment couplings to allow for in-place pipe installations. Contact Victaulic for details.
- (5) Coupling weights are based on nominal pipe diameter and include all accessories. Weight may vary based on actual size of pipe.
- (6) Fluoroelastomer o-rings are available for an additional charge. Please specify when ordering.

# Bolted Split-Sleeve Couplings

## Style 232S

### RESTRAINED FLEXIBLE COUPLING FOR STAINLESS STEEL PIPE

(Formerly FxF)  
 Restrained Flexible Coupling for Stainless Steel Pipe  
 Refer to publication 60.06

#### STYLE 232S – RESTRAINED FLEXIBLE COUPLING FOR STAINLESS STEEL PIPE

PIPE		Max. Work Press.	No.	Approx. Wgt. Ea.	COUPLING COMPLETE			SPARE PARTS	
inches (1) (2)		psi (3)	Segments (4)	lb (5)	with EPDM, Isoprene, or Silicone O-Ring	with Nitrile O-Ring	with Neoprene O-Ring	Fasteners  No.	Fastener Dimension  Dia. x Length
Nom. Dia.	Actual Pipe O.D. Range				Price Each * (6)				
42	39.00 – 44.88	100	1	217.0	\$44822.50	\$46473.50	\$47971.00	4	3/4 x 6
		150	2	442.0	76896.00	78845.00	80682.00	8	7/8 x 8
		200	2	670.0	138155.50	140443.50	142581.00	8	1 x 8
48	45.00 – 50.88	50	1	244.0	50245.00	52119.50	53843.50	4	3/4 x 6
		100	2	489.0	84097.00	86308.00	88409.50	8	7/8 x 8
		150	2	744.0	152415.50	155003.50	157474.50	8	1 x 8
54	51.00 – 56.88	50	1	298.0	+	+	+	4	7/8 x 8
		100	2	523.0	+	+	+	8	7/8 x 8
		150	2	819.0	+	+	+	8	1 x 8
60	57.00 – 62.88	50	2	376.0	+	+	+	8	7/8 x 8
		100	2	571.0	+	+	+	8	7/8 x 8
		150	2	894.0	+	+	+	8	1 x 8
66	63.00 – 68.88	50	2	606.0	+	+	+	8	7/8 x 8
		150	2	951.0	+	+	+	8	1 x 8
72	69.00 – 74.88	50	2	654.0	+	+	+	8	7/8 x 8
		100	2	1027.0	+	+	+	8	1 x 8
78	75.00 – 80.88	50	2	691.0	+	+	+	8	7/8 x 8
		100	2	1102.0	+	+	+	8	1 x 8
84	81.00 – 86.88	50	2	739.0	+	+	+	8	7/8 x 8
		100	2	1160.0	+	+	+	8	1 x 8
90	87.00 – 92.88	50	2	776.0	+	+	+	8	7/8 x 8
		100	2	1217.0	+	+	+	8	1 x 8
96	93.00 – 102.00	50	2	834.0	+	+	+	8	7/8 x 8
		75	2	1307.0	+	+	+	8	1 x 8

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

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

See product submittal for recommended assembly tool.

\* Coupling complete price includes coupling body, fasteners, o-rings, sealing plate(s) and restraint rings.

Note: This data applies when stainless steel couplings are being used on stainless steel pipe. For performance on other types of pipe contact Victaulic for details.

(1) Bolted-split-sleeve couplings must be used on pipe with a minimum wall thickness that meets the requirements of AWWA C200 for carbon steel or C220 for stainless steel.

(2) For an actual pipe O.D., round down to the nearest 1/8" to determine proper coupling size required.

(3) For allowable test or transient pressure, the maximum working pressure may be increased to 1 1/2 times the values shown. For pressure ratings on pipe materials other than stainless steel, please contact Victaulic for details.

(4) One-segment couplings may be available as two-segment couplings to allow for in-place pipe installations. Contact Victaulic for details.

(5) Coupling weights are based on nominal pipe diameter and include all accessories. Weight may vary based on actual size of pipe.

(6) Fluoroelastomer o-rings are available for an additional charge. Please specify when ordering.

# Bolted Split-Sleeve Couplings

**C 0232 0096 50 X 2 C E O X XO**

Class	Style	Actual Pipe O.D.*		Body Type	Segments	PSI/kPa Rating	Rubber Compound	Paint	Hardware	Ring and Pipe Material
		Inches <sup>^</sup>	Fraction							
C	0232	0002 through 0102	00 - 0 13 - 1/8 25 - 1/4 38 - 3/8 50 - 1/2 63 - 5/8 75 - 3/4 88 - 7/8	X - Stainless	1 - One 2 - Two	A - 25/170 B - 50/345 C - 75/515 D - 100/690 E - 125/860 F - 150/1035 G - 175/1200 H - 200/1375 J - 250/1725 K - 300/2065	E - EPDM I - Isoprene L - Silicone T - Nitrile V - Neoprene O - Fluoro-elastomer	0 - None	X - Stainless	XO - Stainless Steel Ring on Stainless Steel Pipe SO - Carbon Steel Ring on Carbon Steel Pipe

<sup>^</sup> Couplings are available in a range of nominal sizes from 3 - 96".

\* For actual pipe O.D. round down to the nearest 1/8" to determine proper coupling size required.

# Bolted Split-Sleeve Couplings

## Style 232S Spare Parts

### RESTRAINED FLEXIBLE FOR STAINLESS STEEL PIPE

(Formerly FxF)  
 Restrained Flexible Coupling for Stainless Steel Pipe  
 Refer to publication 60.06



#### STYLE 232S – SPARE PARTS

PIPE		Max. Work Press. psi	Restraint Rings No. Required	SPARE PARTS						
Nom. Dia.	Actual Pipe O.D. Range			Stainless Steel Restraint Ring	EPDM, Isoprene, or Silicone O-Ring	Nitrile O-Ring	Neoprene O-Ring	Fluoroelastomer	Segments	Sealing Plate #†
				Price Each	Price Per 2				No.	Price Each
3	2.88 – 3.50	300	2	\$340.00	\$930.00	\$1285.50	\$1285.50	+	1	\$1309.50
4	3.63 – 4.88	300	2	350.50	930.00	1285.50	1285.50	+	1	1309.50
6	5.00 – 6.88	300	2	350.50	930.00	1333.50	1377.50	+	1	1697.50
8	7.00 – 8.88	200	2	364.00	1041.00	1424.00	1654.00	+	1	1948.50
		300	2	375.00	1041.00	1560.00	1654.00	+	1	1948.50
10	9.00 – 10.88	200	2	375.00	1074.50	1471.00	1745.00	+	1	1948.50
		250	2	375.00	1074.50	1605.50	1745.00	+	1	1948.50
12	11.00 – 12.88	150	2	386.00	1112.00	1471.00	1836.50	+	1	1948.50
		250	2	386.00	1112.00	1698.00	1836.50	+	1	1948.50
14	13.00 – 14.88	100	2	386.00	1145.00	1515.50	1881.00	+	1	1948.50
		250	2	386.00	1145.00	1745.00	1881.00	+	1	1948.50
16	15.00 – 16.88	75	2	398.50	1254.00	1560.00	2201.50	+	1	1948.50
		250	2	398.50	1254.00	1926.50	2201.50	+	1	1948.50
18	17.00 – 18.88	50	2	411.00	1285.50	1605.50	2294.00	+	1	1948.50
		200	2	411.00	1285.50	2019.50	2294.00	+	1	1948.50
20	19.00 – 21.88	25	2	421.50	1323.50	1605.50	2431.00	+	1	1948.50
		200	2	421.50	1323.50	2110.00	2431.00	+	1	1948.50
24	22.00 – 26.88	25	2	435.00	1494.00	1881.00	2929.50	+	1	1948.50
		100	2	493.00	1494.00	2521.00	2929.50	+	1	1948.50
		200	2	554.00	1494.00	2843.50	2929.50	+	1	2531.50
30	27.00 – 32.88	100	2	517.50	1999.00	2843.50	4079.50	+	1	1948.50
		150	2	599.50	1999.00	3207.50	4079.50	+	1	2531.50
		200	2	697.00	1999.00	3803.50	4079.50	+	2	2531.50
36	33.00 – 38.88	100	2	609.50	2212.00	3164.00	4581.00	+	1	1948.50
		150	2	649.00	2212.00	3619.00	4581.00	+	1	2531.50
		175	2	746.00	2212.00	4260.00	4581.00	+	2	2531.50
		200	2	947.00	2212.00	4765.00	4581.00	+	2	2531.50
42	39.00 – 44.88	100	2	697.00	2677.50	3987.50	5818.00	+	1	2531.50
		150	2	788.50	2677.50	4675.00	5818.00	+	2	2531.50
		200	2	1019.00	2677.50	5313.50	5818.00	+	2	2531.50
48	45.00 – 50.88	50	2	746.00	2890.50	4399.00	6410.00	+	1	2531.50
		100	2	840.50	2890.50	5129.50	6410.00	+	2	2531.50
		150	2	1091.50	2890.50	5818.00	6410.00	+	2	2531.50

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

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

# Sealing plate price shown for EPDM, Isoprene, Silicone, Nitrile, and Neoprene. Where other sealing pad material is needed to match the o-ring material used, contact Victaulic for pricing.

† Number of sealing plates required equals number of housing segments.

# Bolted Split-Sleeve Couplings

## Style 232S Spare Parts

### RESTRAINED FLEXIBLE COUPLING FOR STAINLESS STEEL PIPE

(Formerly FxF)  
 Restrained Flexible Coupling for Stainless Steel Pipe  
 Refer to publication 60.06

#### STYLE 232S – SPARE PARTS

PIPE		Max. Work Press.	Restraint Rings	SPARE PARTS						
inches				Stainless Steel Restraint Ring	EPDM, Isoprene, or Silicone O-Ring	Nitrile O-Ring	Neoprene O-Ring	Fluoroelastomer	Segments	Sealing Plate #†
Nom. Dia.	Actual Pipe O.D. Range	psi	No. Required							
54	51.00 – 56.88	50	2	+	+	+	+	+	1	+
		100	2	+	+	+	+	+	2	+
		150	2	+	+	+	+	+	2	+
60	57.00 – 62.88	50	2	+	+	+	+	+	2	+
		100	2	+	+	+	+	+	2	+
		150	2	+	+	+	+	+	2	+
66	63.00 – 68.88	50	2	+	+	+	+	+	2	+
		150	2	+	+	+	+	+	2	+
72	69.00 – 74.88	50	2	+	+	+	+	+	2	+
		100	2	+	+	+	+	+	2	+
78	75.00 – 80.88	50	2	+	+	+	+	+	2	+
		100	2	+	+	+	+	+	2	+
84	81.00 – 86.88	50	2	+	+	+	+	+	2	+
		100	2	+	+	+	+	+	2	+
90	87.00 – 92.88	50	2	+	+	+	+	+	2	+
		100	2	+	+	+	+	+	2	+
96	93.00 – 102.00	50	2	+	+	+	+	+	2	+
		75	2	+	+	+	+	+	2	+

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

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

# Sealing plate price shown for EPDM, Isoprene, Silicone, Nitrile, and Neoprene. Where other sealing pad material is needed to match the o-ring material used, contact Victaulic for pricing.

† Number of sealing plates required equals number of housing segments.

# Bolted Split-Sleeve Couplings

## Style 233

### RESTRAINED FLEXIBLE COUPLING FOR DYNAMIC JOINT DEFLECTION

(Formerly FxF Modified)  
 Restrained Flexible Coupling for Dynamic Joint Deflection  
 Refer to publication 60.07



#### STYLE 233 – RESTRAINED FLEXIBLE COUPLING FOR DYNAMIC JOINT DEFLECTION

PIPE		Max. Work Press.	No.	Approx. Wgt. Ea.	COUPLING COMPLETE			Coating Adder	SPARE PARTS	
Nom. Dia.	Actual Pipe O.D. Range				psi (3)	Segments (4)	lb (5)		with EPDM, Isoprene, or Silicone O-Ring	with Nitrile O-Ring
					Price Each *			Price Each (7)	No.	Dia. x Length
8	7.00 – 8.88	300	1	45.0	\$14264.00	\$14490.50	\$14641.50	\$381.50	3	3/4 x 6
10	9.00 – 10.88	300	1	45.0	15257.00	15518.00	15743.00	455.50	3	3/4 x 6
12	11.00 – 12.88	200	1	51.0	16129.00	16428.00	16692.00	529.00	3	3/4 x 6
		300	1	53.0	16304.50	16605.50	16868.00	529.00	3	3/4 x 6
14	13.00 – 14.88	200	1	56.0	16917.00	17219.00	17518.00	569.00	3	3/4 x 6
		300	1	60.0	17120.50	17423.50	17721.50	569.00	3	3/4 x 6
16	15.00 – 16.88	200	1	69.0	19103.50	19593.00	20041.00	643.00	3	3/4 x 6
		300	1	91.0	21932.00	22607.00	23208.50	643.00	3	3/4 x 6
18	17.00 – 18.88	200	1	76.0	20153.00	20718.00	21205.00	719.00	3	3/4 x 6
		300	1	99.0	23856.50	24606.00	25282.50	719.00	3	3/4 x 6
20	19.00 – 21.88	200	1	80.0	21495.00	22093.50	22658.50	792.00	3	3/4 x 6
		300	1	109.0	25461.00	26285.00	27034.00	792.00	3	3/4 x 6
24	22.00 – 26.88	150	1	97.0	26480.00	27420.50	28280.00	942.50	3	3/4 x 6
		250	1	130.0	29368.50	30493.50	31542.00	982.00	3	3/4 x 6
		300	2	250.0	42576.00	43812.50	44938.00	982.00	6	7/8 x 8
30	27.00 – 32.88	100	1	118.0	30068.00	31230.00	32280.00	1128.50	3	3/4 x 6
		200	1	158.0	35431.50	36932.00	38356.00	1169.50	3	3/4 x 6
		300	2	297.0	47823.50	49325.00	50748.50	1169.50	6	7/8 x 8
36	33.00 – 38.88	150	1	187.0	40302.00	42064.00	43753.00	1169.50	3	3/4 x 6
		250	2	343.0	52927.00	54690.00	56377.00	1244.00	6	7/8 x 8
		300	2	543.0	71180.00	73242.00	75229.00	1279.50	8	1 x 8
42	39.00 – 44.88	150	1	215.0	44995.50	47021.50	48933.00	1206.00	3	3/4 x 6
		200	2	390.0	58292.00	60318.00	62228.50	1279.50	6	7/8 x 8
		300	2	617.0	78558.50	80956.50	83207.50	1279.50	8	1 x 8

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

See product submittal for recommended assembly tool.

\* Coupling complete price includes coupling body, fasteners, o-rings, sealing plate(s) and restraint rings.

Note: This data applies when carbon steel couplings are being used on carbon steel pipe. For feasibility and performance on other types of pipe contact Victaulic.

(1) Bolted-split-sleeve couplings must be used on pipe with a minimum wall thickness that meets the requirements of AWWA C200 for carbon steel or C220 for stainless steel.

(2) For an actual pipe O.D., round down to the nearest 1/8" to determine proper coupling size required.

(3) For allowable test or transient pressure, the maximum working pressure may be increased to 1 1/2 times the values shown. For pressure ratings on pipe materials other than carbon steel, please contact Victaulic for details.

(4) One-segment couplings may be available as two-segment couplings to allow for in-place pipe installations. Contact Victaulic for details.

(5) Coupling weights are based on nominal pipe diameter and include all accessories. Weight may vary based on actual size of pipe.

(6) Fluoroelastomer o-rings are available for an additional charge. Please specify when ordering.

(7) Optional coatings available upon request. Contact Victaulic for details. Please refer to the product numbering chart for all available coatings. Coatings must be specified at time of order.



# Bolted Split-Sleeve Couplings

## Style 233

### RESTRAINED FLEXIBLE COUPLING FOR DYNAMIC JOINT DEFLECTION

(Formerly FxF Modified)  
 Restrained Flexible Coupling for Dynamic Joint Deflection  
 Refer to publication 60.07

#### STYLE 233 – RESTRAINED FLEXIBLE COUPLING FOR DYNAMIC JOINT DEFLECTION

PIPE		Max. Work Press.	No.	Approx. Wgt. Ea.	COUPLING COMPLETE			Coating Adder	SPARE PARTS	
inches (1) (2)		psi (3)	Segments (4)	lb (5)	with EPDM, Isoprene, or Silicone O-Ring	with Nitrile O-Ring	with Neoprene O-Ring	Fusion Bonded Nylon Coating	Fasteners	Fastener Dimension
Nom. Dia.	Actual Pipe O.D. Range				Price Each * (6)					
48	45.00 – 50.88	100	1	242.0	\$50799.50	\$53087.50	\$55260.00	\$1279.50	3	3/4 x 6
		150	2	435.0	64096.00	66383.50	68556.50	1279.50	6	7/8 x 8
		250	2	690.0	86924.00	89625.00	92173.50	1279.50	8	1 x 8
		300	2	859.0	101154.00	104754.50	108165.50	1279.50	8	1 x 8
54	51.00 – 56.88	150	2	472.0	70247.00	72797.50	75233.00	1279.50	6	7/8 x 8
		200	2	763.0	94012.00	97012.00	99859.50	1279.50	8	1 x 8
		250	2	951.0	109641.00	113653.00	117476.00	1279.50	8	1 x 8
60	57.00 – 62.88	150	2	518.0	75583.00	78431.00	81092.50	1279.50	6	7/8 x 8
		200	2	837.0	101562.00	104899.00	108048.50	1279.50	8	1 x 8
		250	2	1042.0	119436.50	123863.00	128059.50	1279.50	8	1 x 8
66	63.00 – 68.88	100	2	554.0	80539.50	83651.50	86575.00	1279.50	6	7/8 x 8
		150	2	893.0	108531.50	112170.00	115617.50	1279.50	8	1 x 8
		200	2	1133.0	128067.00	132903.50	137514.50	1279.50	8	1 x 8
72	69.00 – 74.88	100	2	601.0	87159.50	90534.00	93682.50	1279.50	6	7/8 x 8
		150	2	967.0	118240.50	122178.00	125926.50	1279.50	8	1 x 8
		200	2	1224.0	139527.00	144813.00	149800.00	1279.50	8	1 x 8
78	75.00 – 80.88	100	2	637.0	+	+	+	+	6	7/8 x 8
		150	2	1039.0	+	+	+	+	8	1 x 8
		175	2	1315.0	+	+	+	+	8	1 x 8
84	81.00 – 86.88	100	2	684.0	+	+	+	+	6	7/8 x 8
		150	2	1097.0	+	+	+	+	8	1 x 8
		175	2	1387.0	+	+	+	+	8	1 x 8
90	87.00 – 92.88	100	2	719.0	+	+	+	+	6	7/8 x 8
		125	2	1154.0	+	+	+	+	8	1 x 8
		150	2	1478.0	+	+	+	+	8	1 x 8

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

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

See product submittal for recommended assembly tool.

\* Coupling complete price includes coupling body, fasteners, o-rings, sealing plate(s) and restraint rings.

Note: This data applies when carbon steel couplings are being used on carbon steel pipe. For feasibility and performance on other types of pipe contact Victaulic.

(1) Bolted-split-sleeve couplings must be used on pipe with a minimum wall thickness that meets the requirements of AWWA C200 for carbon steel or C220 for stainless steel.

(2) For an actual pipe O.D., round down to the nearest 1/8" to determine proper coupling size required.

(3) For allowable test or transient pressure, the maximum working pressure may be increased to 1 1/2 times the values shown. For pressure ratings on pipe materials other than carbon steel, please contact Victaulic for details.

(4) One-segment couplings may be available as two-segment couplings to allow for in-place pipe installations. Contact Victaulic for details.

(5) Coupling weights are based on nominal pipe diameter and include all accessories. Weight may vary based on actual size of pipe.

(6) Fluoroelastomer o-rings are available for an additional charge. Please specify when ordering.

(7) Optional coatings available upon request. Contact Victaulic for details. Please refer to the product numbering chart for all available coatings. Coatings must be specified at time of order.

# Bolted Split-Sleeve Couplings

## Style 233

### RESTRAINED FLEXIBLE COUPLING FOR DYNAMIC JOINT DEFLECTION

(Formerly FxF Modified)  
 Restrained Flexible Coupling for Dynamic Joint Deflection  
 Refer to publication 60.07

#### STYLE 233 – RESTRAINED FLEXIBLE COUPLING FOR DYNAMIC JOINT DEFLECTION

PIPE		Max. Work Press.	No.	Approx. Wgt. Ea.	COUPLING COMPLETE			Coating Adder	SPARE PARTS	
inches (1) (2)		psi (3)	Segments (4)	lb (5)	with EPDM, Isoprene, or Silicone O-Ring	with Nitrile O-Ring	with Neoprene O-Ring	Fusion Bonded Nylon Coating	Fasteners	Fastener Dimension
Nom. Dia.	Actual Pipe O.D. Range				Price Each *					
96	93.00 – 101.88	100	2	775.0	+	+	+	+	6	$\frac{7}{8}$ x 8
		125	2	1241.0	+	+	+	+	8	1 x 8
		150	2	1587.0	+	+	+	+	8	1 x 8
108	102.00 – 113.88	75	2	846.0	+	+	+	+	6	$\frac{7}{8}$ x 8
		100	2	1371.0	+	+	+	+	8	1 x 8
		125	2	1750.0	+	+	+	+	8	1 x 8
120	114.00 – 125.88	75	2	929.0	+	+	+	+	6	$\frac{7}{8}$ x 8
		100	2	1502.0	+	+	+	+	8	1 x 8
		125	2	1912.0	+	+	+	+	8	1 x 8
144	126.00 – 150.00	50	2	1073.0	+	+	+	+	6	$\frac{7}{8}$ x 8
		75	2	1746.0	+	+	+	+	8	1 x 8
		100	2	2238.0	+	+	+	+	8	1 x 8

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

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

See product submittal for recommended assembly tool.

\* Coupling complete price includes coupling body, fasteners, o-rings, sealing plate(s) and restraint rings.

Note: This data applies when carbon steel couplings are being used on carbon steel pipe. For feasibility and performance on other types of pipe contact Victaulic.

(1) Bolted-split-sleeve couplings must be used on pipe with a minimum wall thickness that meets the requirements of AWWA C200 for carbon steel or C220 for stainless steel.

(2) For an actual pipe O.D., round down to the nearest  $\frac{1}{8}$ " to determine proper coupling size required.

(3) For allowable test or transient pressure, the maximum working pressure may be increased to  $1\frac{1}{2}$  times the values shown. For pressure ratings on pipe materials other than carbon steel, please contact Victaulic for details.

(4) One-segment couplings may be available as two-segment couplings to allow for in-place pipe installations. Contact Victaulic for details.

(5) Coupling weights are based on nominal pipe diameter and include all accessories. Weight may vary based on actual size of pipe.

(6) Fluoroelastomer o-rings are available for an additional charge. Please specify when ordering.

(7) Optional coatings available upon request. Contact Victaulic for details. Please refer to the product numbering chart for all available coatings. Coatings must be specified at time of order.

# Bolted Split-Sleeve Couplings

**C 0233 0144 50 S 2 D E P S SO**

Class	Style	Actual Pipe O.D.*		Body Type	Segments	PSI/kPa Rating	Rubber Compound	Paint	Hardware	Ring and Pipe Material
		Inches <sup>^</sup>	Fraction							
C	0233	0007 through 0150	00 - 0 13 - 1/8 25 - 1/4 38 - 3/8 50 - 1/2 63 - 5/8 75 - 3/4 88 - 7/8	S - Carbon	1 - One 2 - Two	A - 25/170 B - 50/345 C - 75/515 D - 100/690 E - 125/860 F - 150/1035 G - 175/1200 H - 200/1375 J - 250/1725 K - 300/2056	E - EPDM I - Isoprene L - Silicone T - Nitrile V - Neoprene O - Fluoro-elastomer	F - Fusion bonded epoxy P - Orange enamel T - Shop primer B - Liquid epoxy N - Fusion bonded nylon G - Galvanized 0 - None	S - Carbon X - Stainless	SO - Carbon Steel Ring on Carbon Steel Pipe DO - Carbon Steel Ring on Ductile Iron Pipe XO - Stainless Steel Ring on Stainless Steel Pipe

<sup>^</sup> Couplings are available in a range of nominal sizes from 8 - 144".

\* For actual pipe O.D. round down to the nearest 1/8" to determine proper coupling size required.

# Bolted Split-Sleeve Couplings

## Style 233 Spare Parts

### RESTRAINED FLEXIBLE COUPLING FOR DYNAMIC JOINT DEFLECTION

(Formerly FxF Modified)  
 Restrained Flexible Coupling for Dynamic Joint Deflection  
 Refer to publication 60.07



#### STYLE 233 – SPARE PARTS

PIPE		Max. Work Press. psi	Restraint Rings No. Required	SPARE PARTS						
Nom. Dia.	Actual Pipe O.D. Range			Carbon Steel Restraint Ring	EPDM, Isoprene, or Silicone O-Ring	Nitrile O-Ring	Neoprene O-Ring	Fluoroelastomer O-Ring	Segments	Sealing Plate #†
inches				Price Each	Price Per 2				No.	Price Each
8	7.00 – 8.88	300	2	\$340.00	\$1041.00	\$1560.00	\$1654.00	+	1	\$2300.00
10	9.00 – 10.88	300	2	350.50	1074.50	1605.50	1745.00	+	1	2300.00
12	11.00 – 12.88	200	2	350.50	1112.00	1698.00	1836.50	+	1	2300.00
		300	2	350.50	1112.00	1698.00	1836.50	+	1	2300.00
14	13.00 – 14.88	200	2	364.00	1145.00	1745.00	1881.00	+	1	2300.00
		300	2	364.00	1145.00	1745.00	1881.00	+	1	2300.00
16	15.00 – 16.88	200	2	364.00	1285.50	2019.50	2294.00	+	1	2300.00
		300	2	375.00	1428.00	2294.00	2706.50	+	1	2300.00
18	17.00 – 18.88	200	2	364.00	1327.00	2110.00	2431.00	+	1	2300.00
		300	2	375.00	1469.50	2431.00	2843.50	+	1	2300.00
20	19.00 – 21.88	200	2	375.00	1356.50	2201.50	2567.50	+	1	2300.00
		300	2	386.00	1541.00	2567.50	3026.00	+	1	2300.00
24	22.00 – 26.88	150	2	386.00	1642.50	2751.00	3301.00	+	1	2300.00
		250	2	411.00	1823.50	3071.50	3712.00	+	1	2300.00
		300	2	459.00	1967.50	3347.00	4032.50	+	2	2300.00
30	27.00 – 32.88	100	2	398.50	1823.50	3117.00	3760.00	+	1	2300.00
		200	2	435.00	2142.00	3712.00	4581.00	+	1	2300.00
		300	2	482.50	2181.00	3803.50	4675.00	+	2	2300.00
36	33.00 – 38.88	150	2	459.00	2355.00	4169.00	5222.50	+	1	2300.00
		250	2	505.50	2424.50	4260.00	5267.50	+	2	2300.00
		300	2	578.00	2709.00	4856.00	6047.00	+	2	2300.00
42	39.00 – 44.88	150	2	493.50	2608.00	4627.50	5818.00	+	1	2300.00
		200	2	529.00	2639.00	4719.50	5909.00	+	2	2300.00
		300	2	609.50	2996.50	5406.00	6778.50	+	2	2300.00
48	45.00 – 50.88	100	2	517.50	2820.50	5085.50	6410.00	+	1	2551.00
		150	2	554.00	2890.50	5177.00	6505.00	+	2	2551.00
		250	2	875.50	3248.00	5909.00	7463.50	+	2	2551.00
		300	2	731.50	4032.00	7463.50	9569.50	+	2	2551.00
54	51.00 – 56.88	150	2	788.50	3105.00	5633.50	7100.00	+	2	2551.00
		200	2	672.00	3532.50	6458.50	8197.00	+	2	2551.00
		250	2	768.50	4385.00	8151.50	10486.00	+	2	2551.00

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

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

# Sealing plate price shown for EPDM, Isoprene, Silicone, Nitrile, and Neoprene. Where other sealing pad material is needed to match the o-ring material used, contact Victaulic for pricing.

† Number of sealing plates required equals number of housing segments.

# Bolted Split-Sleeve Couplings

## Style 233 Spare Parts

### RESTRAINED FLEXIBLE COUPLING FOR DYNAMIC JOINT DEFLECTION

(Formerly FxF Modified)  
 Restrained Flexible Coupling for Dynamic Joint Deflection  
 Refer to publication 60.07

#### STYLE 233 – SPARE PARTS

PIPE		Max. Work Press.	Restraint Rings	SPARE PARTS						
inches				psi	No. Required	Carbon Steel Restraint Ring	EPDM, Isoprene, or Silicone O-Ring	Nitrile O-Ring	Neoprene O-Ring	Fluoroelastomer O-Ring
Nom. Dia.	Actual Pipe O.D. Range					Price Each	Price Per 2			
60	57.00 – 62.88	150	2	\$599.50	\$3318.00	\$6091.50	\$7690.50	+	2	\$2551.00
		200	2	697.00	3780.00	6961.50	8884.50	+	2	2551.00
		250	2	804.50	4745.00	8884.50	11445.50	+	2	2551.00
66	63.00 – 68.88	100	2	626.00	362.00	6550.00	8332.50	+	2	2551.00
		150	2	731.50	4064.50	7511.50	9613.50	+	2	2551.00
		200	2	840.50	5098.50	9569.50	12408.50	+	2	2551.00
72	69.00 – 74.88	100	2	649.00	3780.00	7007.50	8928.00	+	2	2551.00
		150	2	757.00	4313.50	8011.50	10301.00	+	2	2551.00
		200	2	889.50	5453.50	10301.00	13321.50	+	2	2551.00
78	75.00 – 80.88	100	2	+	+	+	+	+	2	+
		150	2	+	+	+	+	+	2	+
		175	2	+	+	+	+	+	2	+
84	81.00 – 86.88	100	2	+	+	+	+	+	2	+
		150	2	+	+	+	+	+	2	+
		175	2	+	+	+	+	+	2	+
90	87.00 – 92.88	100	2	+	+	+	+	+	2	+
		125	2	+	+	+	+	+	2	+
		150	2	+	+	+	+	+	2	+
96	93.00 – 101.88	100	2	+	+	+	+	+	2	+
		125	2	+	+	+	+	+	2	+
		150	2	+	+	+	+	+	2	+
108	102.00 – 113.88	75	2	+	+	+	+	+	2	+
		100	2	+	+	+	+	+	2	+
		125	2	+	+	+	+	+	2	+
120	114.00 – 125.88	75	2	+	+	+	+	+	2	+
		100	2	+	+	+	+	+	2	+
		125	2	+	+	+	+	+	2	+
144	126.00 – 150.00	50	2	+	+	+	+	+	2	+
		75	2	+	+	+	+	+	2	+
		100	2	+	+	+	+	+	2	+

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

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

# Sealing plate price shown for EPDM, Isoprene, Silicone, Nitrile, and Neoprene. Where other sealing pad material is needed to match the o-ring material used, contact Victaulic for pricing.

† Number of sealing plates required equals number of housing segments.

# Bolted Split-Sleeve Couplings

## Style 233S

### RESTRAINED FLEXIBLE COUPLING FOR DYNAMIC JOINT DEFLECTION FOR STAINLESS STEEL PIPE

(Formerly FxF Modified)  
Restrained Flexible Coupling for Dynamic  
Joint Deflection for Stainless Steel Pipe  
Refer to publication 60.08



#### STYLE 233S – RESTRAINED FLEXIBLE COUPLING FOR DYNAMIC JOINT DEFLECTION FOR STAINLESS STEEL PIPE

PIPE		Max. Work Press.	No.	Approx. Wgt. Ea.	COUPLING COMPLETE			SPARE PARTS	
inches (1) (2)					psi (3)	Segments (4)	lb (5)	with EPDM, Isoprene, or Silicone O-Ring	with Nitrile O-Ring
Nom. Dia.	Actual Pipe O.D. Range	Price Each *						No.	Dia. x Length
8	7.00 – 8.88	300	1	45.0	\$29327.50	\$32260.50	\$32260.50	3	3/4 x 6
10	9.00 – 10.88	250	1	49.0	31412.50	34553.50	34553.50	3	3/4 x 6
12	11.00 – 12.88	250	1	62.0	35094.00	38604.00	38604.00	3	3/4 x 6
14	13.00 – 14.88	250	1	69.0	37037.00	40740.50	40740.50	3	3/4 x 6
16	15.00 – 16.88	250	1	78.0	41080.50	45188.50	45188.50	3	3/4 x 6
18	17.00 – 18.88	200	1	85.0	43528.00	47881.00	47881.00	3	3/4 x 6
20	19.00 – 21.88	200	1	92.0	47467.50	52213.50	52213.50	3	3/4 x 6
24	22.00 – 26.88	100	1	109.0	55551.00	61106.00	61106.00	3	3/4 x 6
		200	1	145.0	64337.00	70771.00	70771.00	3	3/4 x 6
30	27.00 – 32.88	100	1	130.0	63319.00	69651.50	69651.50	3	3/4 x 6
		150	1	175.0	74709.50	82181.00	82181.00	3	3/4 x 6
		200	2	343.0	120553.50	132609.00	132609.00	6	7/8 x 8
36	33.00 – 38.88	100	1	152.0	70123.50	77135.50	77135.50	3	3/4 x 6
		150	1	206.0	84191.50	92611.50	92611.50	3	3/4 x 6
		175	2	393.0	137005.00	150707.00	150707.00	6	7/8 x 8
		200	2	620.0	230739.50	253813.00	253813.00	8	1 x 8
42	39.00 – 44.88	100	1	236.0	95441.50	104985.50	104985.50	3	3/4 x 6
		150	2	444.0	151164.50	166281.00	166281.00	6	7/8 x 8
		200	2	699.0	256184.00	281802.50	281802.50	8	1 x 8
48	45.00 – 50.88	50	1	267.0	107365.50	118103.00	118103.00	3	3/4 x 6
		100	2	494.0	169827.50	186811.00	186811.00	6	7/8 x 8
		150	2	779.0	309328.50	340261.50	340261.50	3	1 x 8
54	51.00 – 56.88	50	1	319.0	+	+	+	3	7/8 x 8
		100	2	534.0	+	+	+	6	7/8 x 8
		150	2	858.0	+	+	+	8	1 x 8
60	57.00 – 62.88	50	2	394.0	+	+	+	6	7/8 x 8
		100	2	584.0	+	+	+	6	7/8 x 8
		150	2	938.0	+	+	+	8	1 x 8

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

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

See product submittal for recommended assembly tool.

\* Coupling complete price includes coupling body, fasteners, o-rings, sealing plate(s) and restraint rings.

Note: This data applies when stainless steel couplings are being used on stainless steel pipe. For performance on other types of pipe contact Victaulic for details.

(1) Bolted-split-sleeve couplings must be used on pipe with a minimum wall thickness that meets the requirements of AWWA C200 for carbon steel or C220 for stainless steel.

(2) For an actual pipe O.D., round down to the nearest 1/8" to determine proper coupling size required.

(3) For allowable test or transient pressure, the maximum working pressure may be increased to 1 1/2 times the values shown. For pressure ratings on pipe materials other than stainless steel, please contact Victaulic for details.

(4) One-segment couplings may be available as two-segment couplings to allow for in-place pipe installations. Contact Victaulic for details.

(5) Coupling weights are based on nominal pipe diameter and include all accessories. Weight may vary based on actual size of pipe.

# Bolted Split-Sleeve Couplings

## Style 233S

### RESTRAINED FLEXIBLE COUPLING FOR DYNAMIC JOINT DEFLECTION FOR STAINLESS STEEL PIPE

(Formerly FxF Modified)  
Restrained Flexible Coupling for Dynamic  
Joint Deflection for Stainless Steel Pipe  
Refer to publication 60.08

#### STYLE 233S – RESTRAINED FLEXIBLE COUPLING FOR DYNAMIC JOINT DEFLECTION FOR STAINLESS STEEL PIPE

PIPE		Max. Work Press.	No.	Approx. Wgt. Ea.	COUPLING COMPLETE			SPARE PARTS	
inches (1) (2)		psi (3)	Segments (4)	lb (5)	with EPDM, Isoprene, or Silicone O-Ring	with Nitrile O-Ring	with Neoprene O-Ring	Fasteners  No.	Fastener Dimension  Dia. x Length
Nom. Dia.	Actual Pipe O.D. Range				Price Each *				
66	63.00 – 68.88	50	2	622.0	+	+	+	6	$\frac{7}{8}$ x 8
		100	2	1000.0	+	+	+	8	1 x 8
72	69.00 – 74.88	50	2	673.0	+	+	+	6	$\frac{7}{8}$ x 8
		100	2	1080.0	+	+	+	8	1 x 8
78	75.00 – 80.88	50	2	712.0	+	+	+	6	$\frac{7}{8}$ x 8
		100	2	1159.0	+	+	+	8	1 x 8
84	81.00 – 86.88	50	2	763.0	+	+	+	6	$\frac{7}{8}$ x 8
		100	2	1222.0	+	+	+	8	1 x 8
90	87.00 – 92.88	50	2	802.0	+	+	+	6	$\frac{7}{8}$ x 8
		100	2	1283.0	+	+	+	8	1 x 8
96	93.00 – 102.00	50	2	863.0	+	+	+	6	$\frac{7}{8}$ x 8
		75	2	1379.0	+	+	+	8	1 x 8

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

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

See product submittal for recommended assembly tool.

\* Coupling complete price includes coupling body, fasteners, o-rings, sealing plate(s) and restraint rings.

Note: This data applies when stainless steel couplings are being used on stainless steel pipe. For performance on other types of pipe contact Victaulic for details.

- (1) Bolted-split-sleeve couplings must be used on pipe with a minimum wall thickness that meets the requirements of AWWA C200 for carbon steel or C220 for stainless steel.
- (2) For an actual pipe O.D., round down to the nearest  $\frac{1}{8}$ " to determine proper coupling size required.
- (3) For allowable test or transient pressure, the maximum working pressure may be increased to  $1\frac{1}{2}$  times the values shown. For pressure ratings on pipe materials other than stainless steel, please contact Victaulic for details.
- (4) One-segment couplings may be available as two-segment couplings to allow for in-place pipe installations. Contact Victaulic for details.
- (5) Coupling weights are based on nominal pipe diameter and include all accessories. Weight may vary based on actual size of pipe.

# Bolted Split-Sleeve Couplings

**C 0233 0096 50 X 2 C E 0 X XO**

Class	Style	Actual Pipe O.D. *		Body Type	Segments	PSI/kPa Rating	Rubber Compound	Paint	Hardware	Ring and Pipe Material
		Inches <sup>^</sup>	Fraction							
C	0233	0007 through 0102	00 – 0 13 – 1/8 25 – 1/4 38 – 3/8 50 – 1/2 63 – 5/8 75 – 3/4 88 – 7/8	X – Stainless	1 – One 2 – Two	B – 50/345 C – 75/515 D – 100/690 E – 125/860 F – 150/1035 G – 175/1200 H – 200/1375 J – 250/1725 K – 300/2065	E – EPDM I – Isoprene L – Silicone T – Nitrile V – Neoprene O – Fluoro-elastomer	0 – None	X – Stainless	XO – Stainless Steel Ring on Stainless Steel Pipe SO – Carbon Steel Ring on Carbon Steel Pipe DO – Carbon Steel Ring on Ductile Iron Pipe

<sup>^</sup> Couplings are available in a range of nominal sizes from 8 – 96".

\* For actual pipe O.D. round down to the nearest 1/8" to determine proper coupling size required.



# Bolted Split-Sleeve Couplings

## Style 233S Spare Parts

### RESTRAINED FLEXIBLE COUPLING FOR DYNAMIC JOINT DEFLECTION FOR STAINLESS STEEL PIPE

(Formerly FxF Modified)  
Restrained Flexible Coupling for Dynamic  
Joint Deflection for Stainless Steel Pipe  
Refer to publication 60.08



#### STYLE 233S – SPARE PARTS

PIPE		Max. Work Press.	Restraint Rings	SPARE PARTS						
Nom. Dia.	Actual Pipe O.D. Range			psi	No. Required	Stainless Steel Restraint Ring	EPDM, Isoprene, or Silicone O-Ring	Nitrile O-Ring	Neoprene O-Ring	Fluoroelastomer O-Ring
inches				Price Each	Price Per 2				No.	Price Each
8	7.00 – 8.88	300	2	\$375.00	\$1041.00	\$1560.00	\$1654.00	+	1	\$2300.00
10	9.00 – 10.88	250	2	375.00	1074.50	1605.50	1745.00	+	1	2300.00
12	11.00 – 12.88	250	2	386.00	1112.00	1698.00	1836.50	+	1	2300.00
14	13.00 – 14.88	250	2	398.50	1145.00	1745.00	1881.00	+	1	2300.00
16	15.00 – 16.88	250	2	398.50	1285.50	2019.50	2294.00	+	1	2300.00
18	17.00 – 18.88	200	2	411.00	1327.00	2110.00	2431.00	+	1	2300.00
20	19.00 – 21.88	200	2	421.50	1356.50	2201.50	2567.50	+	1	2300.00
24	22.00 – 26.88	100	2	447.00	1612.00	2659.50	3164.00	+	1	2300.00
		200	2	554.00	1682.50	2843.50	3391.50	+	1	2300.00
30	27.00 – 32.88	100	2	482.50	1786.00	3026.00	3667.50	+	1	2300.00
		150	2	599.50	1967.50	3437.00	4169.00	+	1	2300.00
		200	2	672.00	2181.00	3760.00	4535.00	+	2	2300.00
36	33.00 – 38.88	100	2	505.50	1857.50	3164.00	3848.50	+	1	2551.00
		150	2	649.00	2181.00	3848.50	4719.50	+	1	2551.00
		175	2	720.00	2391.00	4215.50	5177.00	+	2	2551.00
		200	2	947.00	2709.00	4765.00	5909.00	+	2	2551.00
42	39.00 – 44.88	100	2	697.00	2391.00	4260.00	5313.50	+	1	2551.00
		150	2	768.50	2639.00	4627.50	5771.50	+	2	2551.00
		200	2	1019.00	2996.50	5313.50	6641.00	+	2	2551.00
48	45.00 – 50.88	50	2	768.50	2608.00	4675.00	5861.50	+	1	2551.00
		100	2	828.00	2852.50	5085.50	6366.00	+	2	2551.00
		150	2	1115.00	3248.00	5818.00	7326.00	+	2	2551.00
54	51.00 – 56.88	50	2	+	+	+	+	+	1	+
		100	2	+	+	+	+	+	2	+
		150	2	+	+	+	+	+	2	+
60	57.00 – 62.88	50	2	+	+	+	+	+	2	+
		100	2	+	+	+	+	+	2	+
		150	2	+	+	+	+	+	2	+
66	63.00 – 68.88	50	2	+	+	+	+	+	2	+
		100	2	+	+	+	+	+	2	+
72	69.00 – 74.88	50	2	+	+	+	+	+	2	+
		100	2	+	+	+	+	+	2	+
78	75.00 – 80.88	50	2	+	+	+	+	+	2	+
		100	2	+	+	+	+	+	2	+

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

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

# Sealing plate price shown for EPDM, Isoprene, Silicone, Nitrile, and Neoprene. Where other sealing pad material is needed to match the o-ring material used, contact Victaulic for pricing.

† Number of sealing plates required equals number of housing segments.

# Bolted Split-Sleeve Couplings

## Style 233S Spare Parts

### RESTRAINED FLEXIBLE COUPLING FOR DYNAMIC JOINT DEFLECTION FOR STAINLESS STEEL PIPE

(Formerly FxF Modified)  
Restrained Flexible Coupling for Dynamic  
Joint Deflection for Stainless Steel Pipe  
Refer to publication 60.08

#### STYLE 233S – SPARE PARTS

PIPE		Max. Work Press. psi	Restraint Rings No. Required	SPARE PARTS						
Nom. Dia.	Actual Pipe O.D. Range			Stainless Steel Restraint Ring	EPDM, Isoprene, or Silicone O-Ring	Nitrile O-Ring	Neoprene O-Ring	Fluoroelastomer O-Ring	Segments	Sealing Plate #†
inches				Price Each	Price Per 2				No.	Price Each
84	81.00 – 86.88	50	2	+	+	+	+	+	2	+
		100	2	+	+	+	+	+	2	+
90	87.00 – 92.88	50	2	+	+	+	+	+	2	+
		100	2	+	+	+	+	+	2	+
96	93.00 – 102.00	50	2	+	+	+	+	+	2	+
		75	2	+	+	+	+	+	2	+

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

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

# Sealing plate price shown for EPDM, Isoprene, Silicone, Nitrile, and Neoprene. Where other sealing pad material is needed to match the o-ring material used, contact Victaulic for pricing.

† Number of sealing plates required equals number of housing segments.

# Bolted Split-Sleeve Couplings

## Style 234

### RESTRAINED FLEXIBLE SINGLE-GASKET COUPLING

(Formerly Fluidmaster)  
 Restrained Flexible Single-Gasket Coupling  
 Refer to publication 60.09



STYLE 234 – RESTRAINED FLEXIBLE SINGLE-GASKET COUPLING

PIPE		Max. Work Press.	No.	Approx. Wgt. Ea.	COUPLING COMPLETE		Coating Adder	SPARE PARTS	
inches (1) (2)		psi (3)	Segments	lb (5)	with EPDM or Silicone Gasket	with Nitrile Gasket	Fusion Bonded Nylon Coating	Fasteners	Fastener Dimension
Nom. Dia.	Actual Pipe O.D. Range				Price Each * (6)			Price Each (7)	No.
8	8.00 – 8.88	300	2	18.0	\$6623.50	\$6772.50	\$155.50	4	3/4 x 6
10	9.00 – 10.88	300	2	21.0	6827.00	6978.00	155.50	4	3/4 x 6
12	11.00 – 12.88	250	2	23.0	7033.50	7184.00	184.50	4	3/4 x 6
		300	2	25.0	7062.00	7212.00	184.50	4	3/4 x 6
14	13.00 – 14.88	150	2	25.0	7207.50	7356.50	223.50	4	3/4 x 6
		300	2	28.0	7237.50	7387.50	223.50	4	3/4 x 6
16	15.00 – 16.88	250	2	30.0	7645.00	7796.00	266.50	4	3/4 x 6
		300	2	63.0	11114.50	11261.50	346.00	6	3/4 x 6
18	17.00 – 18.88	250	2	33.0	7819.50	7971.00	266.50	4	3/4 x 6
		300	2	69.0	11436.00	11587.00	346.00	6	3/4 x 6
20	19.00 – 21.88	200	2	35.0	8111.50	8261.00	319.50	4	3/4 x 6
		300	2	75.0	11902.00	12053.00	414.50	6	3/4 x 6
24	22.00 – 26.88	150	2	40.0	8606.50	8757.50	319.50	4	3/4 x 6
		250	2	88.0	12659.00	12809.00	414.50	6	3/4 x 6
		300	2	115.0	21409.00	21557.50	414.50	6	7/8 x 8
30	27.00 – 32.88	100	2	48.0	9833.00	9980.50	383.50	4	3/4 x 6
		200	2	106.0	15372.50	15522.00	497.50	6	3/4 x 6
		300	2	137.0	24206.50	24355.50	497.50	6	7/8 x 8
36	33.00 – 38.88	150	2	124.0	16363.00	16551.50	460.00	6	3/4 x 6
		250	2	159.0	25812.00	25999.00	460.00	6	7/8 x 8
		300	2	197.0	35957.00	36220.50	596.00	6	7/8 x 8
42	39.00 – 44.88	150	2	142.0	17442.00	17668.50	460.00	6	3/4 x 6
		200	2	181.0	27503.50	27727.50	460.00	6	7/8 x 8
		300	2	226.0	38436.50	38735.50	596.00	6	7/8 x 8
48	45.00 – 50.88	100	2	160.0	18463.00	18726.00	552.00	6	3/4 x 6
		150	2	203.0	29134.50	29396.50	552.00	6	7/8 x 8
		250	2	254.0	40855.00	41194.50	715.00	6	7/8 x 8

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

See product submittal for recommended assembly tool.

\* Coupling complete price includes coupling body, fasteners, gasket, sealing plates, and restraint rings.

Note: This data applies when carbon steel couplings are being used on carbon steel pipe. For feasibility and performance on other types of pipe contact Victaulic.

(1) Bolted-split-sleeve couplings must be used on pipe with a minimum wall thickness that meets the requirements of AWWA C200 for carbon steel or C220 for stainless steel.

(2) For an actual pipe O.D., round down to the nearest 1/8" to determine proper coupling size required.

(3) For allowable test or transient pressure, the maximum working pressure may be increased to 1 1/2 times the values shown. For pressure ratings on pipe materials other than carbon steel, please contact Victaulic for details.

(5) Coupling weights are based on nominal pipe diameter and include all accessories. Weight may vary based on actual size of pipe.

(6) Fluoroelastomer o-rings are available for an additional charge. Please specify when ordering.

(7) Optional coatings available upon request. Contact Victaulic for details. Please refer to the product numbering chart for all available coatings. Coatings must be specified at time of order.

# Bolted Split-Sleeve Couplings

## Style 234

### RESTRAINED FLEXIBLE SINGLE-GASKET COUPLING

(Formerly Fluidaster)  
 Restrained Flexible Single-Gasket Coupling  
 Refer to publication 60.09

#### STYLE 234 – RESTRAINED FLEXIBLE SINGLE-GASKET COUPLING

PIPE		Max. Work Press.	No.	Approx. Wgt. Ea.	COUPLING COMPLETE		Coating Adder Fusion Bonded Nylon Coating	SPARE PARTS	
inches (1) (2)	Actual Pipe O.D. Range				psi (3)	Segments		lb (5)	with EPDM or Silicone Gasket
Nom. Dia.		Price Each * (6)	Price Each (7)	No.			Dia. x Length		
54	51.00 – 56.88	150	2	226.0	\$30739.50	\$31001.00	\$661.50	6	7/8 x 8
		200	2	282.0	43247.50	43622.00	857.50	6	7/8 x 8
60	57.00 – 62.88	150	2	248.0	32343.00	32642.50	661.50	6	7/8 x 8
		200	2	311.0	45637.50	46051.50	857.50	6	7/8 x 8
66	63.00 – 68.88	100	2	370.0	33946.50	34283.50	792.50	6	7/8 x 8
		150	2	339.0	48026.50	48479.00	1027.50	6	7/8 x 8
72	69.00 – 74.88	100	2	292.0	36220.50	36558.00	951.50	6	7/8 x 8
		150	2	368.0	51266.50	51754.00	1232.50	6	7/8 x 8
78	75.00 – 80.88	100	2	314.0	37882.00	38257.00	951.50	6	7/8 x 8
		150	2	396.0	53657.00	54182.00	1232.50	6	7/8 x 8
84	81.00 – 86.88	100	2	336.0	39516.00	39928.50	1141.50	6	7/8 x 8
		150	2	424.0	56134.50	56698.50	1478.50	6	7/8 x 8
90	87.00 – 92.88	100	2	358.0	41176.00	41627.50	1478.50	6	7/8 x 8
96	93.00 – 101.88	100	2	380.0	43567.00	44017.50	1772.00	6	7/8 x 8
108	102.00 – 113.88	75	2	425.0	46892.00	47415.00	+	6	7/8 x 8
		100	2	538.0	68293.50	69008.00	+	6	7/8 x 8
120	114.00 – 126.00	75	2	469.0	50886.00	51450.00	+	6	7/8 x 8
		100	2	594.0	73192.00	73978.50	+	6	7/8 x 8

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

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

See product submittal for recommended assembly tool.

\* Coupling complete price includes coupling body, fasteners, gasket, sealing plates, and restraint rings.

Note: This data applies when carbon steel couplings are being used on carbon steel pipe. For feasibility and performance on other types of pipe contact Victaulic.

(1) Bolted-split-sleeve couplings must be used on pipe with a minimum wall thickness that meets the requirements of AWWA C200 for carbon steel or C220 for stainless steel.

(2) For an actual pipe O.D., round down to the nearest 1/8" to determine proper coupling size required.

(3) For allowable test or transient pressure, the maximum working pressure may be increased to 1 1/2 times the values shown. For pressure ratings on pipe materials other than carbon steel, please contact Victaulic for details.

(5) Coupling weights are based on nominal pipe diameter and include all accessories. Weight may vary based on actual size of pipe.

(6) Fluoroelastomer o-rings are available for an additional charge. Please specify when ordering.

(7) Optional coatings available upon request. Contact Victaulic for details. Please refer to the product numbering chart for all available coatings. Coatings must be specified at time of order.

# Bolted Split-Sleeve Couplings

C 0234 0126 00 S 2 D L P S SO

Class	Style	Actual Pipe O.D. *		Body Type	Segments	PSI/kPa Rating	Rubber Compound	Paint	Hardware	Ring and Pipe Material
		Inches <sup>^</sup>	Fraction							
C	0234	0008 through 0126	00 - 0 13 - 1/8 25 - 1/4 38 - 3/8 50 - 1/2 63 - 5/8 75 - 3/4 88 - 7/8	S - Carbon	2 - Two	A - 25/170 B - 50/345 C - 75/515 D - 100/690 E - 125/860 F - 150/1035 G - 175/1200 H - 200/1375 J - 250/1725 K - 300/2065	E - EPDM L - Silicone T - Nitrile	F - Fusion bonded epoxy P - Orange enamel T - Shop primer B - Liquid epoxy N - Fusion bonded nylon G - Galvanized O - None	S - Carbon X - Stainless	SO - Carbon Steel Ring on Carbon Steel Pipe DO - Carbon Steel Ring on Ductile Iron Pipe XO - Stainless Steel Ring on Stainless Steel Pipe

<sup>^</sup> Couplings are available in a range of nominal sizes from 8 - 120".

\* For actual pipe O.D. round down to the nearest 1/8" to determine proper coupling size required.

# Bolted Split-Sleeve Couplings

## Style 234 Spare Parts

### RESTRAINED FLEXIBLE SINGLE-GASKET COUPLING

(Formerly Fluidmaster)  
 Restrained Flexible Single-Gasket Coupling  
 Refer to publication 60.09



#### STYLE 234 – SPARE PARTS

PIPE		Max. Work Press.	Restraint Rings	SPARE PARTS			
inches				psi	No. Required	Carbon Steel Restraint Ring	EPDM or Silicone Gasket
Nom. Dia.	Actual Pipe O.D. Range					Price Each	
8	8.00 – 8.88	300	2	\$100.50	\$678.50	\$862.00	\$641.00
10	9.00 – 10.88	300	2	100.50	690.50	890.00	641.00
12	11.00 – 12.88	250	2	100.50	718.00	926.50	641.00
		300	2	100.50	718.00	926.50	641.00
14	13.00 – 14.88	150	2	100.50	730.00	953.50	641.00
		300	2	100.50	730.00	953.50	641.00
16	15.00 – 16.88	250	2	100.50	757.00	982.00	845.50
		300	2	100.50	1021.00	1417.00	845.50
18	17.00 – 18.88	250	2	100.50	770.00	1021.00	845.50
		300	2	100.50	1073.50	1480.50	845.50
20	19.00 – 21.88	200	2	100.50	795.00	1058.50	845.50
		300	2	100.50	1139.00	1600.50	845.50
24	22.00 – 26.88	150	2	100.50	849.00	1139.00	845.50
		250	2	112.50	1270.50	1798.00	845.50
		300	2	112.50	1270.50	1798.00	845.50
30	27.00 – 32.88	100	2	112.50	914.00	1230.00	845.50
		200	2	112.50	1417.00	2022.00	845.50
		300	2	123.50	1417.00	2022.00	845.50
36	33.00 – 38.88	150	2	112.50	1560.00	2246.50	845.50
		250	2	123.50	1560.00	2246.50	845.50
		300	2	138.00	1957.00	2881.50	845.50
42	39.00 – 44.88	150	2	123.50	1706.00	2484.50	845.50
		200	2	123.50	1706.00	2484.50	845.50
		300	2	148.00	2167.00	3195.50	845.50
48	45.00 – 50.88	100	2	123.50	1849.50	2707.50	845.50
		150	2	138.00	1849.50	2707.50	845.50
		250	2	148.00	2366.00	3514.00	845.50
54	51.00 – 56.88	150	2	148.00	1995.00	2946.00	843.00
		200	2	160.00	2564.00	3840.00	845.50
60	57.00 – 62.88	150	2	148.00	2141.50	3170.50	845.50
		200	2	160.00	2773.00	4158.00	845.50
66	63.00 – 68.88	100	2	148.00	2286.00	3394.00	845.50
		150	2	172.00	2971.00	4475.00	845.50
72	69.00 – 74.88	100	2	160.00	2431.00	3630.00	845.50
		150	2	183.50	3182.50	4803.50	845.50

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

# Bolted Split-Sleeve Couplings

## Style 234 Spare Parts

### RESTRAINED FLEXIBLE SINGLE-GASKET COUPLING

(Formerly Fluidaster)  
 Restrained Flexible Single-Gasket Coupling  
 Refer to publication 60.09

#### STYLE 234 – SPARE PARTS

PIPE		Max. Work Press.	Restraint Rings	SPARE PARTS			
inches				psi	No. Required	Carbon Steel Restraint Ring	EPDM, Isoprene, or Silicone Gasket
Nom. Dia.	Actual Pipe O.D. Range					Price Each	
78	75.00 - 80.88	100	2	\$160.00	\$2589.00	\$3867.50	\$845.50
		150	2	183.50	3394.00	5121.00	845.50
84	81.00 - 86.88	100	2	160.00	2734.50	4104.00	845.50
		150	2	183.50	3603.50	5449.00	845.50
90	87.00 - 92.88	100	2	172.00	2890.50	4342.50	845.50
96	93.00 - 101.88	100	2	183.50	3130.00	4685.00	845.50
108	102.00 - 113.88	75	2	197.00	3433.00	5161.00	845.50
		100	2	219.50	4554.00	6926.00	845.50
120	114.00 - 126.00	75	2	197.00	3734.50	5634.00	845.50
		100	2	232.00	4975.00	7586.50	845.50

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

# Bolted Split-Sleeve Couplings

## Style 234S

### RESTRAINED FLEXIBLE SINGLE-GASKET FOR STAINLESS STEEL PIPE

(Formerly AirMaster)  
 Restrained Flexible Single-Gasket Coupling  
 for Stainless Steel Pipe  
 Refer to publication 60.10



STYLE 234S – RESTRAINED FLEXIBLE SINGLE-GASKET COUPLING FOR STAINLESS STEEL PIPE

PIPE		Max. Work Press.	No.	Approx. Wgt. Ea.	COUPLING COMPLETE		SPARE PARTS	
inches (1) (2)	Actual Pipe O.D. Range				psi (3)	Segments	lb (5)	with EPDM or Silicone Gasket
		Price Each *		No.				Dia. x Length
8	8.00 – 8.88	200	2	21.0	\$8202.50	\$8352.50	4	3/4 x 6
10	9.00 – 10.88	200	2	23.0	8580.00	8729.00	4	3/4 x 6
12	11.00 – 12.88	200	2	26.0	8900.50	9050.50	4	3/4 x 6
14	13.00 – 14.88	200	2	28.0	9193.50	9343.50	4	3/4 x 6
16	15.00 – 16.88	200	2	33.0	10127.50	10276.50	4	3/4 x 6
18	17.00 – 18.88	200	2	36.0	10474.50	10626.00	4	3/4 x 6
20	19.00 – 21.88	200	2	38.0	11000.50	11150.50	4	3/4 x 6
24	22.00 – 26.88	100	2	43.0	11875.50	12026.00	4	3/4 x 6
		200	2	90.0	22571.50	22723.00	6	3/4 x 6
30	27.00 – 32.88	100	2	51.0	14207.00	14359.00	4	3/4 x 6
		150	2	109.0	27678.00	27829.50	4	3/4 x 6
		200	2	130.0	41118.00	41267.50	6	3/4 x 6
36	33.00 – 38.88	50	2	59.0	15316.50	15467.00	4	3/4 x 6
		100	2	128.0	30186.50	30375.00	6	3/4 x 6
		200	2	153.0	45141.00	45329.50	6	3/4 x 6
42	39.00 – 44.88	100	2	147.0	32837.50	33063.00	6	3/4 x 6
		150	2	176.0	49223.50	49450.50	6	3/4 x 6
		200	2	234.0	86346.50	86646.00	6	7/8 x 8
48	45.00 – 50.88	50	2	166.0	45980.00	46204.50	6	3/4 x 6
		100	2	211.0	55204.50	55430.00	6	7/8 x 8
		150	2	263.0	93661.50	93999.00	6	7/8 x 8
54	51.00 – 56.88	50	2	185.0	37887.50	38146.50	6	3/4 x 6
		100	2	234.0	59255.00	59518.50	6	7/8 x 8
		150	2	293.0	100868.50	101241.00	6	7/8 x 8
60	57.00 – 63.00	50	2	203.0	40416.00	40718.50	6	3/4 x 6
		100	2	257.0	63311.00	63611.50	6	7/8 x 8
		150	2	323.0	108122.50	108537.00	6	7/8 x 8

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

\* Coupling complete price includes coupling body, fasteners, gasket, sealing plates, and restraint rings.

Note: This data applies when stainless steel couplings are being used on stainless steel pipe. For performance on other types of pipe contact Victaulic for details.

(1) Bolted-split-sleeve couplings must be used on pipe with a minimum wall thickness that meets the requirements of AWWA C200 for carbon steel or C220 for stainless steel.

(2) For an actual pipe O.D., round down to the nearest 1/8" to determine proper coupling size required.

(3) For allowable test or transient pressure, the maximum working pressure may be increased to 1 1/2 times the values shown. For pressure ratings on pipe materials other than stainless steel, please contact Victaulic for details.

(5) Coupling weights are based on nominal pipe diameter and include all accessories. Weight may vary based on actual size of pipe.



# Bolted Split-Sleeve Couplings

**C 0234 0060 50 X 2 D L O X XO**

Class	Style	Actual Pipe O.D.*		Body Type	Segments	PSI/kPa Rating	Rubber Compound	Paint	Hardware	Ring and Pipe Material
		Inches <sup>^</sup>	Fraction							
C	0234	0008 through 0063	00 - 0 13 - 1/8 25 - 1/4 38 - 3/8 50 - 1/2 63 - 5/8 75 - 3/4 88 - 7/8	X - Stainless	2 - Two	B - 50/345 C - 75/515 D - 100/690 E - 125/860 F - 150/1035 G - 175/1200 H - 200/1375	E - EPDM L - Silicone T - Nitrile	0 - None	X - Stainless	XO - Stainless Steel Ring on Stainless Steel Pipe SO - Carbon Steel Ring on Carbon Steel Pipe DO - Carbon Steel Ring on Ductile Iron Pipe

<sup>^</sup> Couplings are available in a range of nominal sizes from 8 - 60".

\* For actual pipe O.D. round down to the nearest 1/8" to determine proper coupling size required.

# Bolted Split-Sleeve Couplings

## Style 234S Spare Parts

### RESTRAINED FLEXIBLE SINGLE-GASKET COUPLING FOR STAINLESS STEEL PIPE

(Formerly AirMaster)  
Restrained Flexible Single-Gasket Coupling  
for Stainless Steel Pipe  
Refer to publication 60.10



#### STYLE 234S - SPARE PARTS

PIPE		Max. Work Press.	Restraint Rings	SPARE PARTS			
inches				psi	No. Required	Stainless Steel Restraint Ring	EPDM or Silicone Gasket
Nom. Dia.	Actual Pipe O.D. Range					Price Each	
8	8.00 – 8.88	200	2	\$100.50	\$678.50	\$862.00	\$641.00
10	9.00 – 10.88	200	2	100.50	690.50	890.50	641.00
12	11.00 – 12.88	200	2	100.50	718.00	926.50	641.00
14	13.00 – 14.88	200	2	100.50	730.00	953.50	641.00
16	15.00 – 16.88	200	2	112.50	757.00	982.00	845.50
18	17.00 – 18.88	200	2	112.50	770.00	1021.00	845.50
20	19.00 – 21.88	200	2	112.50	795.00	1058.50	845.50
24	22.00 – 26.88	100	2	112.50	849.00	1139.00	845.50
		200	2	138.00	1270.50	1798.00	845.50
30	27.00 – 32.88	100	2	123.50	914.00	1230.00	845.50
		150	2	148.00	1417.00	2022.00	845.50
		200	2	148.00	1417.00	2022.00	845.50
36	33.00 – 38.88	50	2	123.50	968.00	1323.50	845.50
		100	2	160.00	1560.00	2246.50	845.50
		200	2	160.00	1560.00	2246.50	845.50
42	39.00 – 44.88	100	2	172.00	1706.00	2484.50	845.50
		150	2	172.00	1706.00	2484.50	845.50
		200	2	232.00	2167.00	3195.50	845.50
48	45.00 – 50.88	50	2	183.50	1849.50	2707.50	845.50
		100	2	197.00	1849.50	2707.50	845.50
		150	2	255.00	2366.00	3514.00	845.50
54	51.00 – 56.88	50	2	197.00	1995.00	2946.00	845.50
		100	2	208.50	1995.00	2946.00	845.50
		150	2	267.00	2564.00	3840.00	845.50
60	57.00 – 63.00	50	2	208.50	2141.50	3170.50	845.50
		100	2	219.50	2141.50	3170.50	845.50
		150	2	292.50	2773.00	4158.00	845.50

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

# Bolted Split-Sleeve Couplings

## Fasteners

Fastener Size Dia. x Length	Part Code	Price Per Set*	Part Code	Price Per Set*
inches	Carbon Steel		Stainless Steel	
1/2 x 3 1/4	BA44000S00	\$142.00	BA44000X00	\$222.00
5/8 x 5	BAQ1000S00	142.00	BAQ1000X00	330.50
3/4 x 6	BA67000S00	175.50	BA67000X00	581.00
7/8 x 8	BAU1000S00	242.00	BAU1000X00	940.50
1 x 8	BA93000S00	242.00	BA93000X00	1027.50
1 1/4 x 10	BB18000S00	312.00	BB18000X00	2054.50

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

\* Set includes one stud, two nuts, and two washers.

## Closure Tools



Tool Model	Tool Weight lb	Part Number	Tool List Price
CTH-01 Small 10-Ton Hydraulic Tool	55	RJH2DOLVE0	\$9753.50
CTH-02 Large 25-Ton Hydraulic Closure Tool	120	RJH3DOLVE0	20249.00

Tool Model	Tool Weight lb	Part Number	Tool List Price
CTM-01 Small Manual Tool	10	RJMMDOLVE0	\$905.50
CTM-02 Large Manual Tool	20	RJMLDOLVE0	982.00

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

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## 1.0 TERMS AND CONDITIONS OF SALE

**CONTROLLING PROVISIONS:** These terms and conditions shall control with respect to any purchase order or sale of Victaulic products.

**No alteration, modification or waiver of these terms and conditions whether on Customer's purchase order or otherwise shall be valid unless the alteration, modification or waiver is specifically accepted in writing by an authorized representative of Victaulic.**

Prices, Designs and Terms and Conditions of Sale are subject to change without notice.

**TERMS OF PAYMENT:** As stated on invoice. Maximum legal interest rate charged thereafter.

**MINIMUM INVOICE CHARGES:** \$500 net for any single order.

**SHIPPING TERMS:** F.O.B. shipping point (our option) freight prepaid and allowed on single orders (excluding No. 26/No. W26 Outlet Fittings, No. 826 Steam Outlet Fittings, Series 387 Inline/Series 388 End Suction Pump Skids, Customer Specified Flat Beds, Style W257 Dynamic Movement Joints, Bend Elbows – 3D/5D/6D, Victaulic Bolted Split-Sleeve Products and Victaulic Vortex™ Products) having a net price value of \$15000 and over for shipment at one time to one destination into distributor stock or direct ship to a project, as determined by Victaulic within the continental United States, excluding Alaska, Hawaii, Puerto Rico and U.S. possessions.

Shipping and handling charges on orders less than net price value of \$15000, F.O.B. shipping point (our option) will be paid by the customer. The most economical routing to recognized delivery points will be used, at our discretion. The cost of any special routing, packaging or handling that has been requested by the customer, and is a deviation to our normal handling methods, will be added to the order and paid by the customer.

Shipments beyond the borders of the United States are prepaid and chargeable or collectable to final destination.

Orders are accepted subject to approval of our General Office and Credit Department at Easton, Pennsylvania, and contingent upon **acts of God, war, civil disturbance, strikes, labor difficulties, delays of carriers, inability to obtain materials, accidents or any other cause beyond our control.**

Victaulic will endeavor to ship by the requested ship 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.**

Orders, when accepted, cannot be cancelled without our written consent. No material will be taken back without our written consent. **Orders for non-standard (i.e. non-cancellable/non-returnable) material may not be cancelled nor will Victaulic accept return of such material for credit. Victaulic reserves the right to change the designation of products from standard to non-standard and vice versa. This may be done at any time without notice, and without incurring obligation. For further information contact Victaulic.**

All material is carefully examined, counted and packed by experienced employees. Claims for corrections must be made within 10 days of receipt of goods to the Customer Care center in Easton, PA (1-800-PICK VIC). We prove our count by weight. Claims for shortages are subject to that test. Our responsibility ceases when goods are delivered to carrier in good condition and its receipt obtained. Carriers are responsible for goods lost, damaged or delayed in transit. For your own protection, have transportation company's agent verify damages, shortages or delays and note them on freight bill over his signature.

**WEIGHTS:** All weights are approximate shipping weights and subject to change without notice.

Victaulic maintains a continual policy of product improvement and, therefore, reserves the right to change product specifications, designs, and standard equipment without notice and without incurring obligation.
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## 2.0 LIMITED WARRANTY

**What is Covered:** This warranty covers any defects in materials or workmanship in products sold by Victaulic occurring under normal conditions of use and service with the exceptions stated below.

**How Long Coverage Lasts:** This warranty runs for one year from the date of delivery to the original buyer.

**What is Not Covered:** This warranty shall not apply to any product which has been subject to misuse, negligence, or accident (such as, without limitation, exposure to incompatible chemical or corrosive agents including microbial corrosion), which has been repaired or altered in any manner outside of Victaulic's factory, or which has been used in a manner contrary to Victaulic's instructions or recommendations. This warranty shall not apply to any Victaulic products utilizing proprietary grooves (such as, but not limited to, the Victaulic AGS™, IGS™, or PGS-300™ grooves) which have been used on pipe that has been grooved to ANSI/AWWA C-606 standards or which was grooved using tools not supplied by Victaulic or its licensees. Victaulic shall not be responsible for design errors due to inaccurate or incomplete information supplied by Buyer or its representatives.

**What Victaulic will do:** Victaulic will repair or replace, at its option, any product that proves to be defective in materials or workmanship following an examination by Victaulic that shows to its satisfaction the product was defective in materials or workmanship.

THIS LIMITED WARRANTY IS EXCLUSIVE AND 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.

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

Items purchased by Victaulic and resold will have the original equipment manufacturer's warranty extended to Victaulic customers.

**How to Get Service:** Contact Victaulic at 610-559-3300 within one year after delivery to the original buyer to arrange for an examination of the product. You will be asked to ship the product to Victaulic's factory, postage and transportation charges prepaid, for examination. There is no charge for examination. Victaulic will examine the product and contact you within a reasonable time regarding the results of that examination and to arrange for repair or replacement of any product determined to be defective in materials or workmanship.

EFFECTIVE JUNE 24, 2022

VICTAULIC BOLTED SPLIT-SLEEVE PRODUCTS

# VBSP PRICE LIST



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