



FITTING SOLUTIONS FOR HARSH ENVIRONMENTS

Price List January 2015

PowerSeal Pipeline Products Corporation was formed in 1985 when assets of the Special Products Division of the Clow Corporation were purchased by Edward J. Powers, a vice president and twenty-five year employee of Clow.

The headquarters of the company and its manufacturing are located in Wichita Falls, Texas where it's skilled employees are engaged in the design, manufacture, and sale of a complete line of the highest quality pipeline accessories and tools available.

The end products are primarily used by fluid and gas distribution construction industries for the repair, maintenance, and new construction of potable water and sanitary sewer lines, agricultural irrigation lines, natural gas distribution lines, and low-pressure oil gathering lines.

TERMS AND CONDITIONS

GENERAL: All orders are subjected to approval and acceptance by PowerSeal's Sales Department. Add-ons to orders must be within 5 days of original order date unless authorization is given by PowerSeal's inside sales personnel.

Acceptance of orders, whether oral or written, is based on the express condition that Buyer agrees to all the terms and conditions contained here-in. Acceptance of delivery by Buyer will constitute Buyer's assent to these terms and conditions. These terms and conditions represent the complete agreement of the parties, and no terms or conditions in any way adding to, modifying or otherwise changing the provisions stated herein shall bind PowerSeal unless made in writing and signed and approved by an officer or other authorized person at the home office of PowerSeal in Wichita Falls, Texas. No modification of any of these terms will be order, shipping request or similar forms containing printed terms and conditions conflicting or inconsistent with the terms herein. Users shall determine the suitability of the product prior to its use.

SHIPPING: All prices are FOB point of manufacture, unless otherwise specified, and are subject to adjustment, with notice, to PowerSeal's prices in effect at the time of shipment. Any increase in transportation rates or any changes in routing resulting in an increase in transportation costs shall be paid and borne by Buyer.

PowerSeal shall not be liable for delays in shipment or default in delivery for any cause beyond PowerSeal's reasonable control as determined by PowerSeal including, but not limited to government action, shortage of labor, raw material, production or transportation facilities, labor difficulty involving employees of PowerSeal or others, fire, flood or other casualty. In the event of any delay in PowerSeal's performance due in whole or in part to any cause beyond PowerSeal's reasonable control as determined by PowerSeal, PowerSeal shall have such additional time for performance as may be reasonably necessary under the circumstances. Acceptance by Buyer of any goods shall constitute a waiver by Buyer of any claim for damages on account of any delay in delivery of such goods.

PowerSeal will use all reasonable efforts to comply with Buyer's request as to method of shipment, but PowerSeal reserves the right to use an alternate method of transportation or route of shipment if substantial delay might otherwise occur. In such cases PowerSeal will notify Buyer of such changes as soon as reasonably possible.

Delivery by truck will be made to nearest points reasonably accessible by truck as determined by the driver. Buyer will furnish and pay for necessary labor to unload and store goods. Buyer shall note loss or damage on truck shipments upon delivery ticket returned to PowerSeal.

CLAIMS: Delivery of goods by PowerSeal to carrier at point of manufacture shall be deemed delivery to Buyer, and thereupon title to such goods, and risk of loss or damage, shall be Buyer's. Claims must be made within ten days following delivery of the product. A signed delivery ticket or bill of lading will reflect the condition, count and description of the product received. Exceptions are to be noted. Seller must be given reasonable time for inspection after notification. Buyer will finish and pay for the necessary labor to unload and store the materials.

PAYMENT: Unless otherwise specified, terms are 2% 15, NET 30days. A service charge of the lesser of 1½% per month at the applicable maximum legal rate will be added to all past due accounts. Until payment in full, PowerSeal retains a purchase money security interest in the goods purchased by Buyer. PowerSeal shall have all rights granted a creditor under Article Nine of the Texas business and Commerce Code.

All taxes and excises for any nature whatsoever, now or hereafter levied by governmental authority upon the sale or transportation of any goods covered hereby, shall be paid and borne by Buyer.

PowerSeal reserves the right to require payment for any shipment hereunder in advance, or for the granting of satisfactory security prior to shipment, if the financial responsibility of Buyer becomes unsatisfactory to PowerSeal. If buyer fails to make payment in accordance with the terms of this agreement, or fails to comply with any provision hereof, PowerSeal may, at its option, (and in addition to other remedies) cancel any unshipped portion of this order, Buyer to remain liable for all unpaid accounts. Buyer grants to PowerSeal a security interest in the goods sold by PowerSeal to buyer for any and all indebtedness owed to PowerSeal by Buyer.

TERMS AND CONDITIONS

WARRANTY: PowerSeal warrants for one year from the day of shipment, that the goods furnished hereunder will be free from defects in material and workmanship and will conform to the material and design (if any) specified by Buyer. This warranty shall not apply to any products which (1) have been repaired or altered outside of PowerSeal factory, in any manner: (2) have been subject to misuse, negligence or accidents: (3) have been used in a manner contrary to PowerSeal instructions or recommendations. It also does not apply to parts manufactured by others and incorporated in PowerSeal products.

The foregoing warranty is in lieu of and excludes all other warranties not expressly set forth herein, whether expressed or implied by operation of law or otherwise, including, but not limited to, any implied warranties of merchantability or fitness.

PowerSeal shall not be liable for incidental or consequential losses, damages or expenses, directly or indirectly arising from the sale, handling or use of the goods, or from any other cause relating thereto, and PowerSeal's liability hereunder in any case is expressly limited to the replacement (in form originally shipped) of goods not complying with these agreement, or at PowerSeal's election, the replacement of, or crediting Buyer with an amount equal to the purchase price of such goods whether such claims are for breach of warranty or negligence.

Any and all claims by Buyer with reference to the goods sold hereunder or for any claim shall be deemed waived by Buyer unless submitted to PowerSeal in writing within (30) days from the date Buyer discovered, or should have discovered, any claim breach, but in no event may any claim be made more than one (1) year from the date of shipment of the goods. Any product claimed defective must be available for inspection by PowerSeal upon request.

HDPE PRODUCT: This form of pipe is more susceptible to expansion and contraction than other pipe materials. If questions arise concerning suitability of PowerSeal products in the HDPE section of this publication, please consult with our engineering department.

RETURNS: The agreement cannot be terminated, and goods cannot be returned, without PowerSeal's prior written consent. Special order non-stock items are non-cancelable and non-refundable. Authorized returns are subject to a minimum twenty-five (25%) restock fee or minimum \$25.00 net handling charge. Material returns will be replaced with products of equal value or credited against future purchases.

CANCELLATION: All orders are non-cancelable unless written authorization is confirmed by PowerSeal inside sales personnel. Such cancellation is subject to expenses borne by PowerSeal of twenty-five (25%) of the order price, whichever is greater.

INTERNATIONAL: International orders will receive Pro Forma invoices upon request and payment is acceptable by Certified Check, Wire Transfer, or Irrevocable Letter of Credit. Standard export quotation pricing in US dollars in FOB PowerSeal Corporation, Wichita Falls, Texas, USA. Cost and freight (C&F) or Cost, Insurance and freight (CIF) quotations are available upon request. International Orders requiring Special Handling, Packaging Consular Invoices, Certificates of origin, Inspection Certificates, etc. are subject to additional charges.

Waiver by PowerSeal of any breach of these terms and conditions shall not be constructed as a waiver of any other breach and failure to exercise any right arising from any default hereunder shall not be deemed a waiver of such right which may be exercised at any subsequent time.

This agreement and all rights and obligations hereunder including matters of construction, validity and performance, shall be governed by laws of the State of Texas, including the Uniform Commercial Code. Any claim by Buyer arising hereunder which cannot be amicably resolved shall be tried in the appropriate state of federal court in Wichita Falls, Texas. Any claim by PowerSeal arising hereunder may, at PowerSeal's option, be tried in the appropriate state of federal court in Wichita Falls, Texas, the jurisdiction of which Buyer hereby submits.

Any dispute concerning goods sold hereunder of the terms of this agreement will be resolved pursuant to arbitration. If this transaction involves interstate commerce the arbitration will be conducted pursuant to the requirements of Title 9 of the United States Code. If this transaction is conducted wholly within the state of Texas and does not involve interstate commerce, the arbitration will be conducted pursuant to the Texas General Arbitration Act.

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SPECIFICATION REFERENCE

AWWA C111

Rubber-Gasket Joints for Ductile-Iron Pressure Pipe and Fittings

AWWA C115

Flanged Ductile-Iron Pipe With Ductile-Iron or Gray-Iron Threaded Flanges

AWWA C207

Steel Pipe Flanges for Waterworks Service Sizes 4 In. Through 144 In. (100 mm Through 3,600 mm)

AWWA C210

Liquid Epoxy Coating Systems for the Interior and Exterior of Steel Water Pipelines

AWWA C213

Fusion-Bonded Epoxy Coating for the Interior and Exterior of Steel Water Pipelines

AWWA C219

Bolted, Sleeve-Type Couplings for Plain-End Pipe

AWWA C223

Fabricated Steel and Stainless Steel Tapping Sleeves

AWWA C230

Stainless-Steel Full-Encirclement Repair and Service Connection Clamps

AWWA C800

Underground Service Line Valves & Fittings

AWWA C900

Polyvinyl Chloride (PVC) Pressure Pipe and Fabricated Fittings, 4 In. Through 12 In. (100 mm Through 300 mm), for Water Transmission and Distribution

AWWA C905

Polyvinyl Chloride (PVC) Pressure Pipe and Fabricated Fittings, 14 In. Through 48 In. (350 mm Through 1,200 mm) for Water Transmission and Distribution

AWWA C906

Polyethylene (PE) Pressure Pipe and Fittings 4 In. (100 mm) Through 63 In. (1,600 mm) for Water Distribution and Transmission

AWWA C909

Molecularly Oriented Polyvinyl Chloride (PVCO) Pressure Pipe, 4 In. Through 24 In. (100 mm Through 600 mm) for Water, Wastewater, and Reclaimed Water Service

ASTM A36 / A36M

Standard Specification for Carbon Structural Steel

ASTM A48/A48

Standard Specification for Gray Iron Castings

ASTM A53 / A53M

Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless—ASTM A126

Standard Specification for Gray Iron Castings for

Valves, Flanges, and Pipe Fittings

ASTM A148/A148M

Standard Specification for Steel Castings, High Strength, for Structural Purposes

ASTM A193 / A193M

Standard Specification for Alloy-Steel and Stainless Steel Bolting for High Temperature or High Pressure Service and Other Special Purpose Applications

ASTM A194 / A194M

Standard Specification for Carbon and Alloy Steel Nuts for Bolts for High Pressure or High Temperature Service, or Both

ASTM A240 / A240M

Standard Specification for Chromium and Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels and for General Applications

ASTM A242/A242M

Standard Specification for High-Strength Low-Alloy Structural Steel

ASTM A276

Standard Specification for Stainless Steel Bars and Shapes

ASTM A283/A283M

Standard Specification for Low and Intermediate Tensile Strength Carbon Steel Plates

ASTM A285/A285M

Standard Specification for Pressure Vessel Plates, Carbon Steel, Low- and Intermediate-Tensile Strength

ASTM A307

Standard Specification for Carbon Steel Bolts, Studs, and Threaded Rod 60 000 PSI Tensile Strength

ASTM A313/A313M

Standard Specification for Stainless Steel Spring Wire

ASTM A325

Standard Specification for High Strength Bolts For Structural Steel Joints

ASTM A512

Standard Specification for Cold-Drawn Buttweld Carbon Steel Mechanical Tubing

ASTM A536

Standard Specification for Ductile Iron Castings

ASTM A563

Standard Specification for Carbon and Alloy Steel Nuts

ASTM A582/A582M

Standard Specification for Free-Machining Stain-

less Steel Bars

ASTM A743 / A743M

Standard Specification for Castings, Iron-Chromium, Iron-Chromium-Nickel, Corrosion Resistant, for General Application

ASTM B62

Standard Specification for Composition Bronze or Ounce Metal Castings

ASTM B98 / B98M

Standard Specification for Copper-Silicon Alloy Rod, Bar and Shapes

ASTM B584

Standard Specification for Copper Alloy Sand Castings for General Applications

ASTM D149

Standard Test Method for Dielectric Breakdown Voltage and Dielectric Strength of Solid Electrical Insulating Materials at Commercial Power Frequencies

ASTM D638

Standard Test Method for Tensile Properties of Plastics

ASTM D2000

Standard Classification System for Rubber Products in Automotive Applications

ASTM D6778

Standard Classification System and Basis for Specification for Polyoxymethylene Molding and Extrusion MaterialsMSS

SP-60

Connecting Flange Joints between Tapping Sleeves and Tapping Valves.

ISO 7005-1

Pipe flanges -- Part 1: Steel flanges for industrial and general service piping systems

ASME / ANSI B16.5

Pipe Flanges and Flanged Fittings

AISI 1020

Low Carbon/Low Tensile Steel

PIPE O.D CHART

Type/Material		3	4	6	8	10	12	14	16	18	20	24	30
Copper Steel Plastic	Copper Tubing	3.13	4.13	6.13	-	-	-	-	-	-	-	-	-
	Steel and IPS Plastic	3.50	4.50	6.63	8.63	10.75	12.75	14.00	16.00	18.00	20.00	24.00	30.00
	Plastic AWWA C900	-	4.80	6.90	9.05	11.10	13.20	15.30	17.40	19.50	21.60	25.80	32.00
Cast and Ductile Iron	Class 100-250 AWWA	3.96	4.80	6.90	9.05	11.10	13.20	15.30	17.40	19.50	21.60	25.80	32.00
	Class A AWWA Pit Cast	3.80	4.80	6.90	9.05	11.10	13.20	15.30	17.40	19.50	21.60	25.80	31.74
	Class B AWWA Pit Cast	3.96	5.00	7.10	9.05	11.10	13.20	15.30	17.40	19.50	21.60	25.80	32.00
	Class C-D AWWA Pit Cast	3.96	5.00	7.10	9.30	11.40	13.50	15.65	17.80	19.92	22.06	26.32	*
*Pit cast 30" Class C is 32.04" OD and Class D is 32.74" OD													
Class 100 Asbestos Cement	Machined End	3.74	4.64	6.91	9.11	11.24*	13.44*	15.07	17.15	19.90	22.12	26.48	33.12
	Flintite Rough Barrel	3.94	4.90	7.13	9.33	11.30	13.42	15.45	17.60	-	-	-	-
	Fluid-Tite Rough Barrel	3.93	5.05	7.16	9.32	11.46	13.70	15.36	17.50	20.44	22.50	27.17	-
	Permaflex Rough Barrel	-	4.84	7.15	9.35	11.47	13.74	15.55	17.55	20.50	22.70	27.15	-
	Ring-Tite & Transite Rough Barrel	3.95	4.92	7.19	9.39	11.47	13.74	15.51	17.65	20.44	22.68	27.12	33.80
	Standard Rough Barrel (Min)	-	4.79	7.05	9.22	11.25	13.37	15.36	17.50	-	-	-	-
	Standard Rough Barrel (Max)	-	5.26	7.40	9.57	11.77	14.04	15.80	17.94	-	-	-	-
*Flintite 10" Machined end is 10.89" OD and 12" ME is 12.99" OD													
Class 150 Asbestos Cement	Machined End	3.84	4.81	6.91	9.11	11.66	13.92	16.22	18.46	20.94	23.28	27.96	35.00
	Flintite Rough Barrel	4.04	5.06	7.13	9.33	11.88	14.14	16.48	18.72	-	-	-	-
	Fluid-Tite Rough Barrel	4.03	5.14	7.12	9.32	11.85	14.11	16.41	18.65	-	-	-	-
	Permaflex Rough Barrel	-	5.00	7.20	9.40	11.92	14.20	16.50	18.72	21.30	23.64	28.32	-
	Ring-Tite & Transite Rough Barrel	4.13	5.07	7.17	9.37	11.92	14.18	16.48	18.72	21.30	23.64	28.32	35.42
	Standard Rough Barrel (Min)	-	4.97	7.07	9.27	11.82	14.08	16.38	18.62	-	-	-	-
	Standard Rough Barrel (Max)	-	5.32	7.37	9.62	12.12	14.38	16.73	18.97	-	-	-	-
Class 200 Asbestos Cement	Machined End	3.84	4.81	6.91	9.11	11.66	13.92	16.22	18.46	22.18	24.66	29.62	37.06
	Flintite Rough Barrel	4.17	5.32	7.26	9.44	11.88	14.14	16.53	18.84	-	-	-	-
	Fluid-Tite Rough Barrel	4.18	5.32	7.36	9.46	11.88	14.11	16.44	18.74	-	-	-	-
	Permaflex Rough Barrel	-	5.32	7.25	9.50	11.95	14.20	16.55	18.90	22.54	25.02	29.98	-
	Ring-Tite & Transite Rough Barrel	4.17	5.33	7.32	9.50	11.92	14.18	16.55	18.90	22.54	25.02	29.98	37.48
	Standard Rough Barrel (Min)	-	5.22	7.26	9.39	11.77	14.03	16.44	18.74	-	-	-	-
	Standard Rough Barrel (Max)	-	5.57	7.60	9.79	12.12	14.38	16.88	19.19	-	-	-	-

Class	36	42	48
Cast Iron Class A	37.96	44.20	50.50
Cast Iron Class B	38.30	44.50	50.80
Cast Iron Class C	38.70	45.10	51.40
Cast Iron Class D	39.16	45.58	51.98

Material	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
Copper Tubing	0.63	0.88	1.13	1.38	1.63	2.13	2.63
IPS Tubing	0.84	1.05	1.32	1.66	1.90	2.38	2.88

PIPE O.D CHART

Type/Material		4	6	8	10	12	14	15	16	18	20	24	30
Sewer Pipe	A/C Sewer Class 1500	4.81	6.92	9.02	11.12	13.22	15.30	16.34	17.38	-	-	-	-
	A/C Sewer Class 2400	4.87	6.98	9.04	11.16	13.26	15.36	16.42	17.46	19.54	21.66	25.78	-
	A/C Sewer Class 3300	5.05	7.14	9.22	11.36	13.50	15.46	16.66	17.72	19.82	21.88	26.10	32.34
	A/C Sewer Class 4000	-	-	-	11.50	13.64	15.78	16.84	17.90	20.02	22.10	26.32	32.60
	A/C Sewer Class 5000	-	-	-	11.70	13.86	16.00	17.06	18.14	20.36	22.32	26.60	32.90
	Asbestos Cement ACME	4.62	6.66	8.96	11.05	13.15	15.23	16.11	17.31	19.39	21.45	25.67	32.13
	PVC Plastic SDR 35	4.22	6.28	8.40	10.50	12.50	-	-	-	-	-	-	-
	PVC Plastic SDR 41	4.22	6.28	8.16	10.20	12.24	-	15.30	-	18.70	-	24.80	-
	Cast Iron Soil Pipe (No Hub)	4.38	6.30	8.38	-	-	-	-	-	-	-	-	-
	Cast Iron Soil Pipe (Service Weighth)	4.30	6.30	8.38	10.50	12.50	-	-	-	-	-	-	-
	Cast Iron Soil Pipe (Extra Heavy)	4.62	6.62	8.75	10.88	12.88	-	-	-	-	-	-	-
	Clay Minimum	5.00	7.19	9.25	11.50	13.75	-	17.19	-	20.65	-	27.50	34.38
	Clay Maximum	5.38	7.56	9.75	12.00	14.31	-	17.81	-	21.44	-	28.50	35.63
	Concrete (Average)	6.00	8.00	10.25	12.75	15.50	-	18.75	-	22.00	-	29.00	35.50
Irrigation Pipe	Asbestos Cement Irrigation Type 5	4.74	6.70	9.02	11.12	13.22	-	-	-	-	-	-	-
	Asbestos Cement Irrigation Type 15	4.86	6.81	9.04	11.16	13.26	-	-	-	-	-	-	-
	Asbestos Cement Irrigation Type 25	4.97	7.10	9.27	11.31	13.74	-	-	-	-	-	-	-
	Plastic Irrigation Pipe (PIP)	4.13	6.14	8.16	10.20	12.24	-	15.30	-	18.70	22.05	24.80	-

CONVERSION CHART

Centimeters	X	0.3937	=	Inches	Gallons of Water	X	8.3453	=	Pounds
Centimeters	X	0.01	=	Meters	Inches	X	2.54	=	Centimeters
Centimeters	X	10	=	Millimeters	Kilograms	X	2.205	=	Pounds (Av)
Centigrade	X	1.8(+32)	=	Fahrenheit	Megapascals (Mpa)	X	145	=	Pounds/Square Inch
Circumference	X	0.3183	=	Diameter	Meters	X	3.281	=	Feet
Cubic Feet	X	1728	=	Cubic Inches	Meters	X	1.094	=	Yards
Cubic Feet	X	7.48052	=	Gallons	Millimeters	X	0.039	=	Inches
Cubic Feet	X	0.028	=	Cubic Meters	Pounds/Square Inch	X	0.06895	=	Bars
Cubic Inches	X	16.387	=	Cubic Centimeters	Pounds/Square Inch	X	2.307	=	Feet of Water
Cubic Meters	X	35.315	=	Cubic Feet	Pounds	X	16	=	Ounces
Cubic Meters	X	1.308	=	Cubic Yards	Square Centimeters	X	0.155	=	Square Inches
Cubic Yards	X	0.765	=	Cubic Meters	Square Feet	X	144	=	Square Inches
Diameter	X	3.142	=	Circumference	Square Feet	X	0.093	=	Square Meters
Fahrenheit(-32)	X	0.556	=	Centigrade	Square Inches	X	6.452	=	Square Centimeters
Feet of Water	X	0.4335	=	Pounds/Square Inch	Square Meters	X	10.764	=	Square Feet
Gallons	X	0.1337	=	Cubic Feet	Square Yards	X	0.836	=	Square Meters
Gallons	X	8	=	Pints	Yards	X	0.914	=	Meters
Gallons	X	4	=	Quarts					

INDEX & CROSS REFERENCE

Model	Product Description	Catalog Page	PowerSeal	Ford	JCM	Romac	Smith-Blair
3121	IRON LUG SINGLE PANEL	17	3121	F1	101UCC	CL1	226
3122	IRON LUG DOUBLE PANEL	44	3122	F2	102UCC	CL2	227
3131	IRON LUG SINGLE PANEL TAPPED REPAIR CLAMP	71	3131	-	103UCC	CL1	238
3132	IRON LUG DOUBLE PANEL TAPPED REPAIR CLAMP	91	3132	-	104UCC	CL2	239
3121AS	ALL STAINLESS SINGLE PANEL	37	3121AS	FS1	161	SS1	261
3122AS	ALL STAINLESS DOUBLE PANEL	54	3122AS	FS2	162	SS2	262
3131AS	ALL STAINLESS SINGLE PANEL TAPPED REPAIR CLAMP	107	3131AS	FS1-T	163	SS1	264
3132AS	ALL STAINLESS DOUBLE PANEL TAPPED REPAIR CLAMP	119	3132AS	FS2-T	-	SS2	265
3122AS-HP	ALL STAINLESS DOUBLE PANEL (HIGH PRESSURE)	59	3122AS-HP	-	136	-	267
3151W	PATCH CLAMP	137	3151W	FSC	110	SC	245
3151AS	ALL STAINLESS PATCH CLAMP	142	3151AS	-	-	C	-
3152	SMALL DIAMETER COMPLETE CIRCLE	147	3152	FSC-W	111	SCC	244
3153	SMALL DIAMETER COMPLETE CIRCLE (2 piece)	149	3153	FSC	-	SCC	244
3140	SMALL DIAMETER COLLAR LEAK	128	3140	FCC	-	-	-
3141	IRON LUGGED COLLAR LEAK	130	3141	F1BC	105	-	229
3143AS	ALL STAINLESS COLLAR LEAK	133	3143AS	-	-	CLC	-
3232	BELL JOINT LEAK CLAMP	154	3232	FBC	142	516	274
3233	A/C COUPLING LEAK REPAIR CLAMP		3233	FBC	142		
3401	BRONZE SADDLE FOR IPS PVC	157	3401	S70	-	101B	
3403	BRONZE SADDLE FOR C900 PVC	159	3403	S90, S91	-	101B	
3407	BRONZE SADDLE FOR ASBESTOS-CEMENT, CAST IRON AND C900 PVC	161	3407	202B	-	101B	
3409	BRONZE SADDLE WITH STAINLESS STEEL STRAPS FOR ASBESTOS CE- MENT, CAST IRON AND C900 PVC	163	3409	202BS	-	101BS	
3411AS	ALL STAINLESS SADDLE - SINGLE STUD BOLT DESIGN	165	3411AS	FS303	-	304	371
3412AS	ALL STAINLESS SADDLE - DOUBLE STUD BOLT DESIGN	166	3412AS	FRS202	-	306	372
3414AS	ALL STAINLESS SADDLE - FOUR STUD BOLT DESIGN WITH EXTRA WIDE RANGE	169	3414AS	-	-	-	
3416AS	ALL STAINLESS SADDLE LARGER DIAMETERS - SIX STUD BOLT DESIGN FOR LARGE DIAMETER	171	3416AS	-	-	305	
3411	DUCTILE IRON SADDLE WITH SINGLE BALE	165	3411	F101	401	101	311
3413	DUCTILE IRON SADDLE WITH BALES	191	3413	F202	402	202	313
3415	DUCTILE IRON SADDLE WITH SINGLE STRAP	197	3415	FS101/ FC101	405/408	101S	315
3417	DUCTILE IRON SADDLE WITH STRAPS	201	3417	-	404/406	202S/202N	317
3417SW	DUCTILE IRON SADDLE WITH SINGLE WIDE STRAP	207	3417SW	FC202/ FS202	-	-	-
3417AS	CAST STAINLESS SADDLE WITH STRAPS	183	3417AS	-	-	-	-
3425	POWERSTOP SADDLE	216	3425	-	-	-	-
3460	FABRICATED CARBON STEEL TAP SLEEVE	220	3460	FTS/FTSC	412	FTS420	622
3460	SS TAP SLEEVE W/ SS FLANGE OUTLET	-	3460AS	-	452	-	-
3480CS	SS TAP SLEEVE W/ CS FLANGE OUTLET (FULLY GASKETED)	234	3480CS	FAST	-	SST	662
3480AS	SS TAP SLEEVE W/ FLANGE OUTLET (FULLY GASKETED)	235	3480AS	FAST	-	SST	663
3480MJ	SS TAP SLEEVE W/ MECHANICAL JOINT OUTLET (FULLY GASKETED)	241	3480MJ	FAST	-	SST	663
3490CS	SS TAP SLEEVE W/ CS FLANGE OUTLET (DROP IN BOLTS - FULLY GASKE- TED)	247	3490CS	FTSS	462	SST3	664

INDEX & CROSS REFERENCE

Model	Product Description	Catalog Page	PowerSeal	Ford	JCM	Romac	Smith-Blair
3490AS	SS TAP SLEEVE W/ SS FLANGE OUTLET (DROP IN BOLTS - FULLY GASKETED)	247	3490AS	FTSS	432	SST3	665
3490MJ	SS TAP SLEEVE W/ MECHANICAL JOINT OUTLET (DROP IN BOLTS - FULLY GASKETED)	254	3490MJ	-	439	-	-
3490MJ-CS	SS TAP SLEEVE W/ CS MECHANICAL JOINT OUTLET (DROP IN BOLTS - FULLY GASKETED)	254	3490MJ CS	-	469	-	-
3465	HIGH PRESSURE CARBON TAPPING SLEEVE W/ THREADED OUTLET	230	3465AS	-	418	FTS 420-T	-
3495AS	HIGH PRESSURE SS TAPPING SLEEVE W/ THREADED OUTLET (DROP IN BOLTS)	261	3495AS	-	438	-	-
3501	TRANSITION COUPLING	267	3501	FC1	212	501	441
3501LB	LONG BARREL TRANSITION COUPLING	269	3501LB	-	215	-	442
3501EC	ENDCAP COUPLING	272	3501EC	FEC	214	EC501	482
3504	GALVANIZED COMPRESSION COUPLING	273	3504	FRR	220	702	525
3506	POWERMAX COUPLING	274	3506	FC2W	241	XR501	461
3520	TRANSITION CUTTING-IN SLEEVE	278	3520	-	-	-	-
3521	TRANSITION FLANGED COUPLING ADAPTER	280	3521	FFCA	301	FCA501	912
3531	INSTA-FLANGE ADAPTER (LIGHT DUTY)	283	3531	FRC	-	RFF	-
3528	FLANGE COUPLINGS ADAPTER	308	3528	FCA	303	FC400	913
3538	COUPLING	310	3538	FC3/FC4	201/211	400/511	411
3539	INSULATED COUPLING	311	3539	-	-	IC400/ IC501	416
3540	LONG BARREL COUPLING	312	3540	FLC	202	400	411
3551	END CAP COUPLING	313	3551	FC4	-	EC400	481
3562R	REDUCING COUPLING	314	3562R	FC6	204	RC400	415



PowerSeal

PIPELINE PRODUCTS CORPORATION



Clamps
January 2015

3121 IRON LUG SINGLE PANEL

PANEL: Type 304 (18-8) Stainless Steel per ASTM A240.

GASKET: SBR Chek-O-Seal with multi o-ring sealing ribs from 100% new rubber to ensure performance under varying pressures with superior storage characteristics. Suitable for mild acids, water and salt media with a temperature range of -25°F to +200°F per ASTM D2000 . Other materials available.

ARMOR PLATE: Type 304 (18-8) Stainless Steel per ASTM A240, recessed and bonded to the gasket.

BOLTS & NUTS: Low Alloy Steel per ASTM A325, ASTM A563, and AWWA C111.

LUGS: Ductile Iron per ASTM A536.

MEETS AWWA C230



Nominal Pipe Size		Pipe OD Range		Width		Part Number	List Price
Inches	MM	Inches	MM	Inches	MM		
1 1/4	26	1.66	42	8	200	3121012080AA-SB	\$ 88.50
				10	250	3121012100AA-SB	\$ 133.40
				12	300	3121012120AA-SB	\$ 157.10
				16	400	3121012160AA-SB	\$ 180.10
				20	500	3121012200AA-SB	\$ 206.90
				24	600	3121012240AA-SB	\$ 237.80
				30	750	3121012300AA-SB	\$ 273.30
1 1/2	38	1.88 - 1.92	48 - 49	8	200	3121015080AA-SB	\$ 93.50
				10	250	3121015100AA-SB	\$ 140.80
				12	300	3121015120AA-SB	\$ 165.90
				16	400	3121015160AA-SB	\$ 190.70
				20	500	3121015200AA-SB	\$ 217.80
				24	600	3121015240AA-SB	\$ 229.20
				30	750	3121015300AA-SB	\$ 241.30
2	50.00	2.35 - 2.63	60 - 67	8	200	3121020080AA-SB	\$ 98.40
				10	250	3121020100AA-SB	\$ 148.20
				12	300	3121020120AA-SB	\$ 174.60
				16	400	3121020160AA-SB	\$ 200.80
				20	500	3121020200AA-SB	\$ 230.80
				24	600	3121020240AA-SB	\$ 265.30
				30	750	3121020300AA-SB	\$ 304.90
2 1/2	63	2.70 - 3.00	69 - 77	8	200	3121025080AA-SB	\$ 106.80
				10	250	3121025100AA-SB	\$ 158.20
				12	300	3121025120AA-SB	\$ 186.70
				16	400	3121025160AA-SB	\$ 215.20
				20	500	3121025200AA-SB	\$ 247.30
				24	600	3121025240AA-SB	\$ 284.20
				30	750	3121025300AA-SB	\$ 326.70

3121 IRON LUG SINGLE PANEL

Nominal Pipe Size		Pipe OD Range		Width		Part Number	List Price
Inches	MM	Inches	MM	Inches	MM		
3A	75	2.97 - 3.25	75 - 83	8	200	312103A080AA-SB	\$ 119.70
				10	250	312103A100AA-SB	\$ 171.20
				12	300	312103A120AA-SB	\$ 199.60
				16	400	312103A160AA-SB	\$ 237.80
				20	500	312103A200AA-SB	\$ 273.30
				24	600	312103A240AA-SB	\$ 314.20
				30	750	312103A300AA-SB	\$ 361.10
3B	75	3.46 - 3.70	88 - 94	8	200	312103B080AA-SB	\$ 119.70
				10	250	312103B100AA-SB	\$ 171.20
				12	300	312103B120AA-SB	\$ 199.60
				16	400	312103B160AA-SB	\$ 237.80
				20	500	312103B200AA-SB	\$ 273.30
				24	600	312103B240AA-SB	\$ 314.20
				30	750	312103B300AA-SB	\$ 361.10
3C	75	3.73 - 4.00	95 - 102	8	200	312103C080AA-SB	\$ 119.70
				10	250	312103C100AA-SB	\$ 171.20
				12	300	312103C120AA-SB	\$ 199.60
				16	400	312103C160AA-SB	\$ 237.80
				20	500	312103C200AA-SB	\$ 273.30
				24	600	312103C240AA-SB	\$ 314.20
				30	750	312103C300AA-SB	\$ 361.10
3D	75	3.96 - 4.25	101 - 108	8	200	312103D080AA-SB	\$ 119.70
				10	250	312103D100AA-SB	\$ 171.20
				12	300	312103D120AA-SB	\$ 199.60
				16	400	312103D160AA-SB	\$ 237.80
				20	500	312103D200AA-SB	\$ 273.30
				24	600	312103D240AA-SB	\$ 314.20
				30	750	312103D300AA-SB	\$ 361.10
4A	100	4.45 - 4.73	113 - 120	8	200	312104A080AA-SB	\$ 132.90
				10	250	312104A100AA-SB	\$ 179.70
				12	300	312104A120AA-SB	\$ 217.80
				16	400	312104A160AA-SB	\$ 262.70
				20	500	312104A200AA-SB	\$ 352.80
				24	600	312104A240AA-SB	\$ 443.10
				30	750	312104A300AA-SB	\$ 543.40
4B	100	4.74 - 5.14	120 - 131	8	200	312104B080AA-SB	\$ 132.90
				10	250	312104B100AA-SB	\$ 179.70
				12	300	312104B120AA-SB	\$ 217.80
				16	400	312104B160AA-SB	\$ 262.70
				20	500	312104B200AA-SB	\$ 352.80
				24	600	312104B240AA-SB	\$ 443.10
				30	750	312104B300AA-SB	\$ 543.40

3121 IRON LUG SINGLE PANEL

Nominal Pipe Size		Pipe OD Range		Width		Part Number	List Price
Inches	MM	Inches	MM	Inches	MM		
4C	100	4.95 - 5.35	126 - 136	8	200	312104C080AA-SB	\$ 132.90
				10	250	312104C100AA-SB	\$ 179.70
				12	300	312104C120AA-SB	\$ 217.80
				16	400	312104C160AA-SB	\$ 262.70
				20	500	312104C200AA-SB	\$ 352.80
				24	600	312104C240AA-SB	\$ 443.10
				30	750	312104C300AA-SB	\$ 543.40
4D	100	5.22 - 5.62	133 - 143	8	200	312104D080AA-SB	\$ 132.90
				10	250	312104D100AA-SB	\$ 179.70
				12	300	312104D120AA-SB	\$ 217.80
				16	400	312104D160AA-SB	\$ 262.70
				20	500	312104D200AA-SB	\$ 352.80
				24	600	312104D240AA-SB	\$ 443.10
				30	750	312104D300AA-SB	\$ 543.40
6A	150	5.95 - 6.35	151 - 161	8	200	312106A080AA-SB	\$ 156.80
				10	250	312106A100AA-SB	\$ 212.70
				12	300	312106A120AA-SB	\$ 250.80
				16	400	312106A160AA-SB	\$ 291.50
				20	500	312106A200AA-SB	\$ 422.40
				24	600	312106A240AA-SB	\$ 515.10
				30	750	312106A300AA-SB	\$ 615.50
6B	150	6.56 - 6.96	167 - 177	8	200	312106B080AA-SB	\$ 156.80
				10	250	312106B100AA-SB	\$ 212.70
				12	300	312106B120AA-SB	\$ 250.80
				16	400	312106B160AA-SB	\$ 291.50
				20	500	312106B200AA-SB	\$ 422.40
				24	600	312106B240AA-SB	\$ 515.10
				30	750	312106B300AA-SB	\$ 615.50
6C	150	6.84 - 7.24	174 - 184	8	200	312106C080AA-SB	\$ 156.80
				10	250	312106C100AA-SB	\$ 212.70
				12	300	312106C120AA-SB	\$ 250.80
				16	400	312106C160AA-SB	\$ 291.50
				20	500	312106C200AA-SB	\$ 422.40
				24	600	312106C240AA-SB	\$ 515.10
				30	750	312106C300AA-SB	\$ 615.50
6D	150	7.05 - 7.45	179 - 189	8	200	312106D080AA-SB	\$ 156.80
				10	250	312106D100AA-SB	\$ 212.70
				12	300	312106D120AA-SB	\$ 250.80
				16	400	312106D160AA-SB	\$ 291.50
				20	500	312106D200AA-SB	\$ 422.40
				24	600	312106D240AA-SB	\$ 515.10
				30	750	312106D300AA-SB	\$ 615.50

3121 IRON LUG SINGLE PANEL

Nominal Pipe Size		Pipe OD Range		Width		Part Number	List Price
Inches	MM	Inches	MM	Inches	MM		
6E	150	7.45 - 7.85	189 - 199	8	200	312106E080AA-SB	\$ 156.80
				10	250	312106E100AA-SB	\$ 212.70
				12	300	312106E120AA-SB	\$ 250.80
				16	400	312106E160AA-SB	\$ 291.50
				20	500	312106E200AA-SB	\$ 422.40
				24	600	312106E240AA-SB	\$ 515.10
				30	750	312106E300AA-SB	\$ 615.50
8A	200	7.95 - 8.35	202 - 212	8	200	312108A080AA-SB	\$ 187.60
				10	250	312108A100AA-SB	\$ 248.20
				12	300	312108A120AA-SB	\$ 300.40
				16	400	312108A160AA-SB	\$ 358.10
				20	500	312108A200AA-SB	\$ 495.90
				24	600	312108A240AA-SB	\$ 593.30
				30	750	312108A300AA-SB	\$ 698.10
8B	200	8.54 - 8.94	217 - 227	8	200	312108B080AA-SB	\$ 187.60
				10	250	312108B100AA-SB	\$ 248.20
				12	300	312108B120AA-SB	\$ 300.40
				16	400	312108B160AA-SB	\$ 358.10
				20	500	312108B200AA-SB	\$ 495.90
				24	600	312108B240AA-SB	\$ 593.30
				30	750	312108B300AA-SB	\$ 698.10
8C	200	8.99 - 9.39	228 - 239	8	200	312108C080AA-SB	\$ 187.60
				10	250	312108C100AA-SB	\$ 248.20
				12	300	312108C120AA-SB	\$ 300.40
				16	400	312108C160AA-SB	\$ 358.10
				20	500	312108C200AA-SB	\$ 495.90
				24	600	312108C240AA-SB	\$ 593.30
				30	750	312108C300AA-SB	\$ 698.10
8D	200	9.27 - 9.67	235 - 246	8	200	312108D080AA-SB	\$ 187.60
				10	250	312108D100AA-SB	\$ 248.20
				12	300	312108D120AA-SB	\$ 300.40
				16	400	312108D160AA-SB	\$ 358.10
				20	500	312108D200AA-SB	\$ 495.90
				24	600	312108D240AA-SB	\$ 593.30
				30	750	312108D300AA-SB	\$ 698.10
10A	250	9.70 - 10.10	246 - 257	8	200	312110A080AA-SB	\$ 228.30
				10	250	312110A100AA-SB	\$ 308.50
				12	300	312110A120AA-SB	\$ 354.70
				16	400	312110A160AA-SB	\$ 447.10
				20	500	312110A200AA-SB	\$ 597.60
				24	600	312110A240AA-SB	\$ 670.50
				30	750	312110A300AA-SB	\$ 908.60

3121 IRON LUG SINGLE PANEL

Nominal Pipe Size		Pipe OD Range		Width		Part Number	List Price
Inches	MM	Inches	MM	Inches	MM		
10B	250	10.64 - 11.04	270 - 280	8	200	312110B080AA-SB	\$ 228.30
				10	250	312110B100AA-SB	\$ 308.50
				12	300	312110B120AA-SB	\$ 354.70
				16	400	312110B160AA-SB	\$ 447.10
				20	500	312110B200AA-SB	\$ 597.60
				24	600	312110B240AA-SB	\$ 670.50
				30	750	312110B300AA-SB	\$ 908.60
10C	250	11.04 - 11.44	280 - 291	8	200	312110C080AA-SB	\$ 228.30
				10	250	312110C100AA-SB	\$ 308.50
				12	300	312110C120AA-SB	\$ 354.70
				16	400	312110C160AA-SB	\$ 447.10
				20	500	312110C200AA-SB	\$ 597.60
				24	600	312110C240AA-SB	\$ 670.50
				30	750	312110C300AA-SB	\$ 908.60
10D	250	11.34 - 11.74	288 - 298	8	200	312110D080AA-SB	\$ 228.30
				10	250	312110D100AA-SB	\$ 308.50
				12	300	312110D120AA-SB	\$ 354.70
				16	400	312110D160AA-SB	\$ 447.10
				20	500	312110D200AA-SB	\$ 597.60
				24	600	312110D240AA-SB	\$ 670.50
				30	750	312110D300AA-SB	\$ 908.60
10E	250	11.75 - 12.15	298 - 309	8	200	312110E080AA-SB	\$ 228.30
				10	250	312110E100AA-SB	\$ 308.50
				12	300	312110E120AA-SB	\$ 354.70
				16	400	312110E160AA-SB	\$ 447.10
				20	500	312110E200AA-SB	\$ 597.60
				24	600	312110E240AA-SB	\$ 670.50
				30	750	312110E300AA-SB	\$ 908.60
12A	300	12.00 - 12.40	305 - 315	8	200	312112A080AA-SB	\$ 257.60
				10	250	312112A100AA-SB	\$ 342.60
				12	300	312112A120AA-SB	\$ 414.50
				16	400	312112A160AA-SB	\$ 515.10
				20	500	312112A200AA-SB	\$ 680.30
				24	600	312112A240AA-SB	\$ 794.50
				30	750	312112A300AA-SB	\$ 1,030.10
12B	300	12.62 - 13.02	321 - 331	8	200	312112B080AA-SB	\$ 257.60
				10	250	312112B100AA-SB	\$ 342.60
				12	300	312112B120AA-SB	\$ 414.50
				16	400	312112B160AA-SB	\$ 515.10
				20	500	312112B200AA-SB	\$ 680.30
				24	600	312112B240AA-SB	\$ 794.50
				30	750	312112B300AA-SB	\$ 1,030.10

3121 IRON LUG SINGLE PANEL

Nominal Pipe Size		Pipe OD Range		Width		Part Number	List Price
Inches	MM	Inches	MM	Inches	MM		
12C	300	13.10 - 13.50	333 - 343	8	200	312112C080AA-SB	\$ 257.60
				10	250	312112C100AA-SB	\$ 342.60
				12	300	312112C120AA-SB	\$ 414.50
				16	400	312112C160AA-SB	\$ 515.10
				20	500	312112C200AA-SB	\$ 680.30
				24	600	312112C240AA-SB	\$ 794.50
				30	750	312112C300AA-SB	\$ 1,030.10
12D	300	13.40 - 13.80	340 - 351	8	200	312112D080AA-SB	\$ 257.60
				10	250	312112D100AA-SB	\$ 342.60
				12	300	312112D120AA-SB	\$ 414.50
				16	400	312112D160AA-SB	\$ 515.10
				20	500	312112D200AA-SB	\$ 680.30
				24	600	312112D240AA-SB	\$ 794.50
				30	750	312112D300AA-SB	\$ 1,030.10
12E	300	13.70 - 14.10	348 - 358	8	200	312112E080AA-SB	\$ 257.60
				10	250	312112E100AA-SB	\$ 342.60
				12	300	312112E120AA-SB	\$ 414.50
				16	400	312112E160AA-SB	\$ 515.10
				20	500	312112E200AA-SB	\$ 680.30
				24	600	312112E240AA-SB	\$ 794.50
				30	750	312112E300AA-SB	\$ 1,030.10
12F	300	14.00 - 14.40	356 - 366	8	200	312112F080AA-SB	\$ 257.60
				10	250	312112F100AA-SB	\$ 342.60
				12	300	312112F120AA-SB	\$ 414.50
				16	400	312112F160AA-SB	\$ 515.10
				20	500	312112F200AA-SB	\$ 680.30
				24	600	312112F240AA-SB	\$ 794.50
				30	750	312112F300AA-SB	\$ 1,030.10

MANUFACTURERS RECOMMENDATIONS

- Clamp width should equal or exceed pipe diameter for higher working pressures.
- Repair Clamps are not recommended for use in joining plain end pressure pipe.
- Other sizes and widths not listed are readily available. Price on request.

Pipe OD Range = 0.40" (10mm) Pipe Sizes 1 1/4 through 6 inch are available in 6 inch Width and are priced the same as the 8 inch width. See product 3131 for Tapped Outlets.

HOW TO ORDER: Specify Model Number, Pipe Size with Letter Code, and Width. EXAMPLE: 6" Cast Iron O.D. 6.90 with 12" Clamp Width. Order 3121 - 6C x 12 **Part Number:** 312106C120AA-SB .

NOTE 1: Clamps will not eliminate axial / lateral movement of pipe. Some type of pipe restraint or anchoring product must be used in these situations.

NOTE 2: When clamps are used on HDPE you must use spring washers. See HDPE products section.



COATING OPTION: Anti-Seizing/Galling protection. Available for both Alloy and SST application. Inquire with sales for cost and availability

3121 IRON LUG SINGLE PANEL SS BOLTS

PANEL: Type 304 (18-8) Stainless Steel per ASTM A240.

GASKET: SBR Chek-O-Seal with multi o-ring sealing ribs from 100% new rubber to ensure performance under varying pressures with superior storage characteristics. Suitable for mild acids, water and salt media with a temperature range of -25°F to +200°F per ASTM D2000. Other materials available.

ARMOR PLATE: Type 304 (18-8) Stainless Steel per ASTM A240, recessed and bonded to the gasket.

BOLTS & NUTS: Type 304 (18-8) Stainless Steel per ASTM A193 and A194. **NOTE:** Hex nuts are furnished with fusion bonded coating to prevent seizing and/or galling.

LUGS: Ductile Iron per ASTM A536.

MEETS AWWA C230



Nominal Pipe Size		Pipe OD Range		Width		Part Number	List Price
Inches	MM	Inches	MM	Inches	MM		
1 1/4	26	1.66	42	8	200	3121012080BA-SB	\$ 83.20
				10	250	3121012100BA-SB	\$ 125.40
				12	300	3121012120BA-SB	\$ 147.70
				16	400	3121012160BA-SB	\$ 169.90
				20	500	3121012200BA-SB	\$ 189.10
				24	600	3121012240BA-SB	\$ 254.30
				30	750	3121012300BA-SB	\$ 338.40
1 1/2	38	1.88 - 1.92	48 - 49	8	200	3121015080BA-SB	\$ 90.50
				10	250	3121015100BA-SB	\$ 136.30
				12	300	3121015120BA-SB	\$ 160.60
				16	400	3121015160BA-SB	\$ 184.70
				20	500	3121015200BA-SB	\$ 210.10
				24	600	3121015240BA-SB	\$ 273.40
				30	750	3121015300BA-SB	\$ 363.90
2	50.00	2.35 - 2.63	60 - 67	8	200	3121020080BA-SB	\$ 126.10
				10	250	3121020100BA-SB	\$ 178.40
				12	300	3121020120BA-SB	\$ 205.90
				16	400	3121020160BA-SB	\$ 233.90
				20	500	3121020200BA-SB	\$ 292.40
				24	600	3121020240BA-SB	\$ 326.90
				30	750	3121020300BA-SB	\$ 381.90
2 1/2	63	2.70 - 3.00	69 - 77	8	200	3121025080BA-SB	\$ 129.90
				10	250	3121025100BA-SB	\$ 189.00
				12	300	3121025120BA-SB	\$ 217.50
				16	400	3121025160BA-SB	\$ 261.40
				20	500	3121025200BA-SB	\$ 308.90
				24	600	3121025240BA-SB	\$ 345.80
				30	750	3121025300BA-SB	\$ 403.70

3121 IRON LUG SINGLE PANEL SS BOLTS

Nominal Pipe Size		Pipe OD Range		Width		Part Number	List Price
Inches	MM	Inches	MM	Inches	MM		
3A	75	2.97 - 3.25	75 - 83	8	200	312103A080BA-SB	\$ 142.80
				10	250	312103A100BA-SB	\$ 202.00
				12	300	312103A120BA-SB	\$ 230.40
				16	400	312103A160BA-SB	\$ 284.00
				20	500	312103A200BA-SB	\$ 334.90
				24	600	312103A240BA-SB	\$ 380.90
				30	750	312103A300BA-SB	\$ 478.10
3B	75	3.46 - 3.70	88 - 94	8	200	312103B080BA-SB	\$ 142.80
				10	250	312103B100BA-SB	\$ 202.00
				12	300	312103B120BA-SB	\$ 230.40
				16	400	312103B160BA-SB	\$ 284.00
				20	500	312103B200BA-SB	\$ 334.90
				24	600	312103B240BA-SB	\$ 380.90
				30	750	312103B300BA-SB	\$ 478.10
3C	75	3.73 - 4.00	95 - 102	8	200	312103C080BA-SB	\$ 142.80
				10	250	312103C100BA-SB	\$ 202.00
				12	300	312103C120BA-SB	\$ 230.40
				16	400	312103C160BA-SB	\$ 284.00
				20	500	312103C200BA-SB	\$ 334.90
				24	600	312103C240BA-SB	\$ 380.90
				30	750	312103C300BA-SB	\$ 478.10
3D	75	3.96 - 4.25	101 - 108	8	200	312103D080BA-SB	\$ 142.80
				10	250	312103D100BA-SB	\$ 202.00
				12	300	312103D120BA-SB	\$ 230.40
				16	400	312103D160BA-SB	\$ 284.00
				20	500	312103D200BA-SB	\$ 334.90
				24	600	312103D240BA-SB	\$ 380.90
				30	750	312103D300BA-SB	\$ 478.10
4A	100	4.45 - 4.73	113 - 120	8	200	312104A080BA-SB	\$ 170.00
				10	250	312104A100BA-SB	\$ 234.00
				12	300	312104A120BA-SB	\$ 274.80
				16	400	312104A160BA-SB	\$ 338.90
				20	500	312104A200BA-SB	\$ 463.80
				24	600	312104A240BA-SB	\$ 575.90
				30	750	312104A300BA-SB	\$ 698.30
4B	100	4.74 - 5.14	120 - 131	8	200	312104B080BA-SB	\$ 170.00
				10	250	312104B100BA-SB	\$ 234.00
				12	300	312104B120BA-SB	\$ 274.80
				16	400	312104B160BA-SB	\$ 338.90
				20	500	312104B200BA-SB	\$ 463.80
				24	600	312104B240BA-SB	\$ 575.90
				30	750	312104B300BA-SB	\$ 698.30

3121 IRON LUG SINGLE PANEL SS BOLTS

Nominal Pipe Size		Pipe OD Range		Width		Part Number	List Price
Inches	MM	Inches	MM	Inches	MM		
4C	100	4.95 - 5.35	126 - 136	8	200	312104C080BA-SB	\$ 170.00
				10	250	312104C100BA-SB	\$ 234.00
				12	300	312104C120BA-SB	\$ 274.80
				16	400	312104C160BA-SB	\$ 338.90
				20	500	312104C200BA-SB	\$ 463.80
				24	600	312104C240BA-SB	\$ 575.90
				30	750	312104C300BA-SB	\$ 698.30
4D	100	5.22 - 5.62	133 - 143	8	200	312104D080BA-SB	\$ 170.00
				10	250	312104D100BA-SB	\$ 234.00
				12	300	312104D120BA-SB	\$ 274.80
				16	400	312104D160BA-SB	\$ 338.90
				20	500	312104D200BA-SB	\$ 463.80
				24	600	312104D240BA-SB	\$ 575.90
				30	750	312104D300BA-SB	\$ 698.30
6A	150	5.95 - 6.35	151 - 161	8	200	312106A080BA-SB	\$ 198.00
				10	250	312106A100BA-SB	\$ 269.40
				12	300	312106A120BA-SB	\$ 318.50
				16	400	312106A160BA-SB	\$ 370.30
				20	500	312106A200BA-SB	\$ 535.20
				24	600	312106A240BA-SB	\$ 649.90
				30	750	312106A300BA-SB	\$ 774.70
6B	150	6.56 - 6.96	167 - 177	8	200	312106B080BA-SB	\$ 198.00
				10	250	312106B100BA-SB	\$ 269.40
				12	300	312106B120BA-SB	\$ 318.50
				16	400	312106B160BA-SB	\$ 370.30
				20	500	312106B200BA-SB	\$ 535.20
				24	600	312106B240BA-SB	\$ 649.90
				30	750	312106B300BA-SB	\$ 774.70
6C	150	6.84 - 7.24	174 - 184	8	200	312106C080BA-SB	\$ 198.00
				10	250	312106C100BA-SB	\$ 269.40
				12	300	312106C120BA-SB	\$ 318.50
				16	400	312106C160BA-SB	\$ 370.30
				20	500	312106C200BA-SB	\$ 535.20
				24	600	312106C240BA-SB	\$ 649.90
				30	750	312106C300BA-SB	\$ 774.70
6D	150	7.05 - 7.45	179 - 189	8	200	312106D080BA-SB	\$ 198.00
				10	250	312106D100BA-SB	\$ 269.40
				12	300	312106D120BA-SB	\$ 318.50
				16	400	312106D160BA-SB	\$ 370.30
				20	500	312106D200BA-SB	\$ 535.20
				24	600	312106D240BA-SB	\$ 649.90
				30	750	312106D300BA-SB	\$ 774.70

3121 IRON LUG SINGLE PANEL SS BOLTS

Nominal Pipe Size		Pipe OD Range		Width		Part Number	List Price
Inches	MM	Inches	MM	Inches	MM		
6E	150	7.45 - 7.85	189 - 199	8	200	312106E080BA-SB	\$ 198.00
				10	250	312106E100BA-SB	\$ 269.40
				12	300	312106E120BA-SB	\$ 318.50
				16	400	312106E160BA-SB	\$ 370.30
				20	500	312106E200BA-SB	\$ 535.20
				24	600	312106E240BA-SB	\$ 649.90
				30	750	312106E300BA-SB	\$ 774.70
8A	200	7.95 - 8.35	202 - 212	8	200	312108A080BA-SB	\$ 231.10
				10	250	312108A100BA-SB	\$ 306.40
				12	300	312108A120BA-SB	\$ 371.30
				16	400	312108A160BA-SB	\$ 446.00
				20	500	312108A200BA-SB	\$ 612.80
				24	600	312108A240BA-SB	\$ 732.20
				30	750	312108A300BA-SB	\$ 893.20
8B	200	8.54 - 8.94	217 - 227	8	200	312108B080BA-SB	\$ 231.10
				10	250	312108B100BA-SB	\$ 306.40
				12	300	312108B120BA-SB	\$ 371.30
				16	400	312108B160BA-SB	\$ 446.00
				20	500	312108B200BA-SB	\$ 612.80
				24	600	312108B240BA-SB	\$ 732.20
				30	750	312108B300BA-SB	\$ 893.20
8C	200	8.99 - 9.39	228 - 239	8	200	312108C080BA-SB	\$ 231.10
				10	250	312108C100BA-SB	\$ 306.40
				12	300	312108C120BA-SB	\$ 371.30
				16	400	312108C160BA-SB	\$ 446.00
				20	500	312108C200BA-SB	\$ 612.80
				24	600	312108C240BA-SB	\$ 732.20
				30	750	312108C300BA-SB	\$ 893.20
8D	200	9.27 - 9.67	235 - 246	8	200	312108D080BA-SB	\$ 231.10
				10	250	312108D100BA-SB	\$ 306.40
				12	300	312108D120BA-SB	\$ 371.30
				16	400	312108D160BA-SB	\$ 446.00
				20	500	312108D200BA-SB	\$ 612.80
				24	600	312108D240BA-SB	\$ 732.20
				30	750	312108D300BA-SB	\$ 893.20
10A	250	9.70 - 10.10	246 - 257	8	200	312110A080BA-SB	\$ 266.80
				10	250	312110A100BA-SB	\$ 358.20
				12	300	312110A120BA-SB	\$ 425.50
				16	400	312110A160BA-SB	\$ 538.50
				20	500	312110A200BA-SB	\$ 726.10
				24	600	312110A240BA-SB	\$ 865.50
				30	750	312110A300BA-SB	\$ 1,077.10

3121 IRON LUG SINGLE PANEL SS BOLTS

Nominal Pipe Size		Pipe OD Range		Width		Part Number	List Price
Inches	MM	Inches	MM	Inches	MM		
10B	250	10.64 - 11.04	270 - 280	8	200	312110B080BA-SB	\$ 266.80
				10	250	312110B100BA-SB	\$ 358.20
				12	300	312110B120BA-SB	\$ 425.50
				16	400	312110B160BA-SB	\$ 538.50
				20	500	312110B200BA-SB	\$ 726.10
				24	600	312110B240BA-SB	\$ 865.50
				30	750	312110B300BA-SB	\$ 1,077.10
10C	250	11.04 - 11.44	280 - 291	8	200	312110C080BA-SB	\$ 266.80
				10	250	312110C100BA-SB	\$ 358.20
				12	300	312110C120BA-SB	\$ 425.50
				16	400	312110C160BA-SB	\$ 538.50
				20	500	312110C200BA-SB	\$ 726.10
				24	600	312110C240BA-SB	\$ 865.50
				30	750	312110C300BA-SB	\$ 1,077.10
10D	250	11.34 - 11.74	288 - 298	8	200	312110D080BA-SB	\$ 266.80
				10	250	312110D100BA-SB	\$ 358.20
				12	300	312110D120BA-SB	\$ 425.50
				16	400	312110D160BA-SB	\$ 538.50
				20	500	312110D200BA-SB	\$ 726.10
				24	600	312110D240BA-SB	\$ 865.50
				30	750	312110D300BA-SB	\$ 1,077.10
10E	250	11.75 - 12.15	298 - 309	8	200	312110E080BA-SB	\$ 266.80
				10	250	312110E100BA-SB	\$ 358.20
				12	300	312110E120BA-SB	\$ 425.50
				16	400	312110E160BA-SB	\$ 538.50
				20	500	312110E200BA-SB	\$ 726.10
				24	600	312110E240BA-SB	\$ 865.50
				30	750	312110E300BA-SB	\$ 1,077.10
12A	300	12.00 - 12.40	305 - 315	8	200	312112A080BA-SB	\$ 312.50
				10	250	312112A100BA-SB	\$ 411.10
				12	300	312112A120BA-SB	\$ 509.70
				16	400	312112A160BA-SB	\$ 634.70
				20	500	312112A200BA-SB	\$ 829.40
				24	600	312112A240BA-SB	\$ 1,021.80
				30	750	312112A300BA-SB	\$ 1,202.10
12B	300	12.62 - 13.02	321 - 331	8	200	312112B080BA-SB	\$ 312.50
				10	250	312112B100BA-SB	\$ 411.10
				12	300	312112B120BA-SB	\$ 509.70
				16	400	312112B160BA-SB	\$ 634.70
				20	500	312112B200BA-SB	\$ 829.40
				24	600	312112B240BA-SB	\$ 1,021.80
				30	750	312112B300BA-SB	\$ 1,202.10

3121 IRON LUG SINGLE PANEL SS BOLTS

Nominal Pipe Size		Pipe OD Range		Width		Part Number	List Price
Inches	MM	Inches	MM	Inches	MM		
12C	300	13.10 - 13.50	333 - 343	8	200	312112C080BA-SB	\$ 312.50
				10	250	312112C100BA-SB	\$ 411.10
				12	300	312112C120BA-SB	\$ 509.70
				16	400	312112C160BA-SB	\$ 634.70
				20	500	312112C200BA-SB	\$ 829.40
				24	600	312112C240BA-SB	\$ 1,021.80
				30	750	312112C300BA-SB	\$ 1,202.10
12D	300	13.40 - 13.80	340 - 351	8	200	312112D080BA-SB	\$ 312.50
				10	250	312112D100BA-SB	\$ 411.10
				12	300	312112D120BA-SB	\$ 509.70
				16	400	312112D160BA-SB	\$ 634.70
				20	500	312112D200BA-SB	\$ 829.40
				24	600	312112D240BA-SB	\$ 1,021.80
				30	750	312112D300BA-SB	\$ 1,202.10
12E	300	13.70 - 14.10	348 - 358	8	200	312112E080BA-SB	\$ 312.50
				10	250	312112E100BA-SB	\$ 411.10
				12	300	312112E120BA-SB	\$ 509.70
				16	400	312112E160BA-SB	\$ 634.70
				20	500	312112E200BA-SB	\$ 829.40
				24	600	312112E240BA-SB	\$ 1,021.80
				30	750	312112E300BA-SB	\$ 1,202.10
12F	300	14.00 - 14.40	356 - 366	8	200	312112F080BA-SB	\$ 312.50
				10	250	312112F100BA-SB	\$ 411.10
				12	300	312112F120BA-SB	\$ 509.70
				16	400	312112F160BA-SB	\$ 634.70
				20	500	312112F200BA-SB	\$ 829.40
				24	600	312112F240BA-SB	\$ 1,021.80
				30	750	312112F300BA-SB	\$ 1,202.10

MANUFACTURERS RECOMMENDATIONS

- Clamp width should equal or exceed pipe diameter for higher working pressures.
- Repair Clamps are not recommended for use in joining plain end pressure pipe.
- Other sizes and widths not listed are readily available. Price on request.

Pipe OD Range = 0.40" (10mm) Pipe Sizes 1 1/4 through 6 inch are available in 6 inch Width and are priced the same as the 8 inch Width. See product 3131 for Tapped Outlets.

HOW TO ORDER: Specify Model Number, Pipe Size with Letter Code, and Width. EXAMPLE: 6" Cast Iron O.D. 6.90 with 12" Clamp Width. Order 3121 - 6C x 12 **Part Number:** 312106C120BA-SB .

NOTE 1: Clamps will not eliminate axial / lateral movement of pipe. Some type of pipe restraint or anchoring product must be used in these situations.

NOTE 2: When clamps are used on HDPE you must use spring washers. See HDPE products section.

3121HD SINGLE PANEL HIGH PRESSURE HEAVY DUTY CLAMP

PANEL: Type 304 (18-8) Stainless Steel per ASTM A240.

GASKET: SBR Chek-O-Seal with multi o-ring sealing ribs from 100% new rubber to ensure performance under varying pressures with superior storage characteristics. Suitable for mild acids, water and salt media with a temperature range of 25°F to +200°F, per ASTM D2000 . Other materials available.

ARMOR PLATE: Type 304 (18-8) Stainless Steel per ASTM A240, recessed and bonded to the gasket.

BOLTS & NUTS: 3/4" diameter low Alloy Steel per ASTM A325, ASTM A563, and AWWA C111. Optional SS available.

LUGS: Ductile Iron per ASTM A536.

MEETS AWWA C230

NOTE: EXACT PIPE OD MUST BE PROVIDED AT TIME OF ORDER.



Nominal Pipe Size		Pipe OD Range		Width		Part Number	List Price
Inches	MM	Inches	MM	Inches	MM		
4A	100	4.45 - 4.73	113-120	10	250	312104A100AA-HD	\$ 341.40
				15	350	312104A150AA-HD	\$ 499.10
				20	500	312104A200AA-HD	\$ 670.30
				30	750	312104A300AA-HD	\$ 1,032.50
4B	100	4.74 - 5.14	120 - 131	10	250	312104B100AA-HD	\$ 341.40
				15	350	312104B150AA-HD	\$ 499.10
				20	500	312104B200AA-HD	\$ 670.30
				30	750	312104B300AA-HD	\$ 1,032.50
4C	100	4.95 - 5.35	126 - 136	10	250	312104C100AA-HD	\$ 341.40
				15	350	312104C150AA-HD	\$ 499.10
				20	500	312104C200AA-HD	\$ 670.30
				30	750	312104C300AA-HD	\$ 1,032.50
4D	100	5.22 - 5.62	133 - 143	10	250	312104D100AA-HD	\$ 341.40
				15	350	312104D150AA-HD	\$ 499.10
				20	500	312104D200AA-HD	\$ 670.30
				30	750	312104D300AA-HD	\$ 1,032.50
6A	150	5.95 - 6.35	151 - 161	10	250	312106A100AA-HD	\$ 404.10
				15	350	312106A150AA-HD	\$ 553.90
				20	500	312106A200AA-HD	\$ 802.60
				30	750	312106A300AA-HD	\$ 1,169.50
6B	150	6.56 - 6.96	167 - 177	10	250	312106B100AA-HD	\$ 404.10
				15	350	312106B150AA-HD	\$ 553.90
				20	500	312106B200AA-HD	\$ 802.60
				30	750	312106B300AA-HD	\$ 1,169.50

3121HD SINGLE PANEL HIGH PRESSURE HEAVY DUTY CLAMP

Nominal Pipe Size		Pipe OD Range		Width		Part Number	List Price
Inches	MM	Inches	MM	Inches	MM		
6C	150	6.84 - 7.24	174 - 184	10	250	312106C100AA-HD	\$ 404.10
				15	350	312106C150AA-HD	\$ 553.90
				20	500	312106C200AA-HD	\$ 802.60
				30	750	312106C300AA-HD	\$ 1,169.50
6D	150	7.05 - 7.45	179 - 189	10	250	312106D100AA-HD	\$ 404.10
				15	350	312106D150AA-HD	\$ 553.90
				20	500	312106D200AA-HD	\$ 802.60
				30	750	312106D300AA-HD	\$ 1,169.50
6E	150	7.45 - 7.85	189 - 199	10	250	312106E100AA-HD	\$ 404.10
				15	350	312106E150AA-HD	\$ 553.90
				20	500	312106E200AA-HD	\$ 802.60
				30	750	312106E300AA-HD	\$ 1,169.50
8A	200	7.95 - 8.35	202 - 212	10	250	312108A100AA-HD	\$ 471.60
				15	350	312108A150AA-HD	\$ 680.40
				20	500	312108A200AA-HD	\$ 942.20
				30	750	312108A300AA-HD	\$ 1,326.40
8B	200	8.54 - 8.94	217 - 227	10	250	312108B100AA-HD	\$ 471.60
				15	350	312108B150AA-HD	\$ 680.40
				20	500	312108B200AA-HD	\$ 942.20
				30	750	312108B300AA-HD	\$ 1,326.40
8C	200	8.99 - 9.39	228 - 239	10	250	312108C100AA-HD	\$ 471.60
				15	350	312108C150AA-HD	\$ 680.40
				20	500	312108C200AA-HD	\$ 942.20
				30	750	312108C300AA-HD	\$ 1,326.40
8D	200	9.27 - 9.67	235 - 246	10	250	312108D100AA-HD	\$ 471.60
				15	350	312108D150AA-HD	\$ 680.40
				20	500	312108D200AA-HD	\$ 942.20
				30	750	312108D300AA-HD	\$ 1,326.40
10A	250	9.70 - 10.10	246 - 257	10	250	312110A100AA-HD	\$ 586.20
				15	350	312110A150AA-HD	\$ 849.50
				20	500	312110A200AA-HD	\$ 1,135.40
				30	750	312110A300AA-HD	\$ 1,726.30
10B	250	10.64 - 11.04	270 - 280	10	250	312110B100AA-HD	\$ 586.20
				15	350	312110B150AA-HD	\$ 849.50
				20	500	312110B200AA-HD	\$ 1,135.40
				30	750	312110B300AA-HD	\$ 1,726.30
10C	250	11.04 - 11.44	280 - 291	10	250	312110C100AA-HD	\$ 586.20
				15	350	312110C150AA-HD	\$ 849.50
				20	500	312110C200AA-HD	\$ 1,135.40
				30	750	312110C300AA-HD	\$ 1,726.30

3121HD SINGLE PANEL HIGH PRESSURE HEAVY DUTY CLAMP

Nominal Pipe Size		Pipe OD Range		Width		Part Number	List Price
Inches	MM	Inches	MM	Inches	MM		
10D	250	11.34 - 11.74	288 - 298	10	250	312110D100AA-HD	\$ 586.20
				15	400	312110D150AA-HD	\$ 849.50
				20	500	312110D200AA-HD	\$ 1,135.40
				30	750	312110D300AA-HD	\$ 1,726.30
10E	250	11.75 - 12.15	298 - 309	10	250	312110E100AA-HD	\$ 586.20
				15	400	312110E150AA-HD	\$ 849.50
				20	500	312110E200AA-HD	\$ 1,135.40
				30	750	312110E300AA-HD	\$ 1,726.30
12A	300	12.00 - 12.40	305 - 315	10	250	312112A100AA-HD	\$ 650.90
				15	350	312112A150AA-HD	\$ 978.70
				20	500	312112A200AA-HD	\$ 1,292.60
				30	750	312112A300AA-HD	\$ 1,957.20
12B	300	12.62 - 13.02	321 - 331	10	250	312112B100AA-HD	\$ 651.00
				15	350	312112B150AA-HD	\$ 978.70
				20	500	312112B200AA-HD	\$ 1,292.60
				30	750	312112B300AA-HD	\$ 1,957.20
12C	300	13.10 - 13.50	333 - 343	10	250	312112C100AA-HD	\$ 650.90
				15	350	312112C150AA-HD	\$ 978.70
				20	500	312112C200AA-HD	\$ 1,292.60
				30	750	312112C300AA-HD	\$ 1,957.20
12D	300	13.40 - 13.80	340 - 351	10	250	312112D100AA-HD	\$ 650.90
				15	350	312112D150AA-HD	\$ 978.70
				20	500	312112D200AA-HD	\$ 1,292.60
				30	750	312112D300AA-HD	\$ 1,957.20
12E	300	13.70 - 14.10	348 - 358	10	250	312112E100AA-HD	\$ 650.90
				15	350	312112E150AA-HD	\$ 978.70
				20	500	312112E200AA-HD	\$ 1,292.60
				30	750	312112E300AA-HD	\$ 1,957.20
12F	300	14.00 - 14.40	356 - 366	10	250	312112F100AA-HD	\$ 650.90
				15	350	312112F150AA-HD	\$ 978.70
				20	500	312112F200AA-HD	\$ 1,292.60
				30	750	312112F300AA-HD	\$ 1,957.20

NOTE: EXACT PIPE OD MUST BE PROVIDED AT TIME OF ORDER.

With regard to this Pipe Repair Clamps working pressure capabilities; these repair devices are not specifically rated because of application variables that exist in the field. The amount of pressure that any repair clamp will hold is relative to the pipe's diameter, the clamp's length, and the amount of bolt torque.

The application's success with regards to pressure capability is also dependent on the type and extent of pipe damage, service and environmental conditions, and most important the installation workmanship. Please consult with PowerSeal engineering about your specific high pressure situation.

Pipe OD Range = Pipe OD range shown is for pricing only. This particular model of clamp will be made to fit actual OD plus or minus a small variance amount.



COATING OPTION: Anti-Seizing/Galling protection. Available for both Alloy and SST application. Inquire with sales for cost and availability.

3121CS CAST STAINLESS LUG SINGLE PANEL

PANEL: Type 304 (18-8) Stainless Steel per ASTM A240.

GASKET: SBR Chek-O-Seal with multi o-ring sealing ribs from 100% new rubber to ensure performance under varying pressures with superior storage characteristics. Suitable for mild acids, water and salt media with a temperature range of -25°F to +200°F per ASTM D2000. Other materials available.

ARMOR PLATE: Type 304 (18-8) Stainless Steel per ASTM A240, recessed and bonded to the gasket.

BOLTS & NUTS: Type 304 (18-8) Stainless Steel per ASTM A193 and A194.

NOTE: Hex nuts are furnished with fusion bonded coating to prevent seizing and/or galling.

LUGS: Type 304 (CF8) Cast Stainless Steel per ASTM A743.

MEETS AWWA C230



Nominal Pipe Size		Pipe OD Range		Width		Part Number	List Price
Inches	MM	Inches	MM	Inches	MM		
1 1/4	26	1.66	42	8	200	3121012080CS-SB	\$ 193.10
				12	300	3121012120CS-SB	\$ 289.50
				16	400	3121012160CS-SB	\$ 386.20
				24	600	3121012240CS-SB	\$ 579.10
1 1/2	38	1.88 - 1.92	48 - 49	8	200	3121015080CS-SB	\$ 205.40
				12	300	3121015120CS-SB	\$ 308.00
				16	400	3121015160CS-SB	\$ 410.80
				24	600	3121015240CS-SB	\$ 616.00
2	50	2.35 - 2.63	60 - 67	8	200	3121020080CS-SB	\$ 218.50
				12	300	3121020120CS-SB	\$ 327.70
				16	400	3121020160CS-SB	\$ 437.00
				24	600	3121020240CS-SB	\$ 655.30
2 1/2	63	2.70 - 3.00	69 - 77	8	200	3121025080CS-SB	\$ 230.20
				12	300	3121025120CS-SB	\$ 343.60
				16	400	3121025160CS-SB	\$ 458.20
				24	600	3121025240CS-SB	\$ 687.30
3A	75	2.97 - 3.25	75 - 83	8	200	312103A080CS-SB	\$ 242.20
				12	300	312103A120CS-SB	\$ 356.60
				16	400	312103A160CS-SB	\$ 472.20
				24	600	312103A240CS-SB	\$ 713.20
3B	75	3.46 - 3.70	88 - 94	8	200	312103B080CS-SB	\$ 242.20
				12	300	312103B120CS-SB	\$ 356.60
				16	400	312103B160CS-SB	\$ 472.20
				24	600	312103B240CS-SB	\$ 713.20
3C	75	3.73 - 4.00	95 - 102	8	200	312103C080CS-SB	\$ 242.20
				12	300	312103C120CS-SB	\$ 356.60
				16	400	312103C160CS-SB	\$ 472.20
				24	600	312103C240CS-SB	\$ 713.20

3121CS CAST STAINLESS LUG SINGLE PANEL

Nominal Pipe Size		Pipe OD Range		Width		Part Number	List Price
Inches	MM	Inches	MM	Inches	MM		
3D	75	3.96 - 4.25	101 - 108	8	200	312103D080CS-SB	\$ 242.20
				12	300	312103D120CS-SB	\$ 356.60
				16	400	312103D160CS-SB	\$ 472.20
				24	600	312103D240CS-SB	\$ 713.20
4A	100	4.45 - 4.73	113 - 120	8	200	312104A080CS-SB	\$ 269.20
				12	300	312104A120CS-SB	\$ 390.00
				16	400	312104A160CS-SB	\$ 512.10
				24	600	312104A240CS-SB	\$ 780.00
4B	100	4.74 - 5.14	120 - 131	8	200	312104B080CS-SB	\$ 269.20
				12	300	312104B120CS-SB	\$ 390.00
				16	400	312104B160CS-SB	\$ 512.10
				24	600	312104B240CS-SB	\$ 780.00
4C	100	4.95 - 5.35	126 - 136	8	200	312104C080CS-SB	\$ 269.20
				12	300	312104C120CS-SB	\$ 390.00
				16	400	312104C160CS-SB	\$ 512.10
				24	600	312104C240CS-SB	\$ 780.00
4D	100	5.22 - 5.62	133 - 143	8	200	312104D080CS-SB	\$ 269.20
				12	300	312104D120CS-SB	\$ 390.00
				16	400	312104D160CS-SB	\$ 512.10
				24	600	312104D240CS-SB	\$ 780.00
6A	150	5.95 - 6.35	151 - 161	8	200	312106A080CS-SB	\$ 309.50
				12	300	312106A120CS-SB	\$ 463.80
				16	400	312106A160CS-SB	\$ 619.00
				24	600	312106A240CS-SB	\$ 927.70
6B	150	6.56 - 6.96	167 - 177	8	200	312106B080CS-SB	\$ 309.50
				12	300	312106B120CS-SB	\$ 463.90
				16	400	312106B160CS-SB	\$ 619.00
				24	600	312106B240CS-SB	\$ 927.70
6C	150	6.84 - 7.24	174 - 184	8	200	312106C080CS-SB	\$ 309.50
				12	300	312106C120CS-SB	\$ 463.80
				16	400	312106C160CS-SB	\$ 619.00
				24	600	312106C240CS-SB	\$ 927.70
6D	150	7.05 - 7.45	179 - 189	8	200	312106D080CS-SB	\$ 309.50
				12	300	312106D120CS-SB	\$ 463.80
				16	400	312106D160CS-SB	\$ 619.00
				24	600	312106D240CS-SB	\$ 927.70
6E	150	7.45 - 7.85	189 - 199	8	200	312106E080CS-SB	\$ 309.50
				12	300	312106E120CS-SB	\$ 463.80
				16	400	312106E160CS-SB	\$ 619.00
				24	600	312106E240CS-SB	\$ 927.70

3121CS CAST STAINLESS LUG SINGLE PANEL

Nominal Pipe Size		Pipe OD Range		Width		Part Number	List Price
Inches	MM	Inches	MM	Inches	MM		
8A	200	7.95 - 8.35	202 - 212	8	200	312108A080CS-SB	\$ 351.80
				12	300	312108A120CS-SB	\$ 527.20
				16	400	312108A160CS-SB	\$ 703.60
				24	600	312108A240CS-SB	\$ 1,054.30
8B	200	8.54 - 8.94	217 - 227	8	200	312108B080CS-SB	\$ 351.80
				12	300	312108B120CS-SB	\$ 527.20
				16	400	312108B160CS-SB	\$ 703.60
				24	600	312108B240CS-SB	\$ 1,054.30
8C	200	8.99 - 9.39	228 - 239	8	200	312108C080CS-SB	\$ 351.80
				12	300	312108C120CS-SB	\$ 527.20
				16	400	312108C160CS-SB	\$ 703.60
				24	600	312108C240CS-SB	\$ 1,054.30
8D	200	9.27 - 9.67	235 - 246	8	200	312108D080CS-SB	\$ 351.80
				12	300	312108D120CS-SB	\$ 527.20
				16	400	312108D160CS-SB	\$ 703.60
				24	600	312108D240CS-SB	\$ 1,054.30
10A	250	9.70 - 10.10	246 - 257	8	200	312110A080CS-SB	\$ 447.50
				12	300	312110A120CS-SB	\$ 670.80
				16	400	312110A160CS-SB	\$ 895.00
				24	600	312110A240CS-SB	\$ 1,341.60
10B	250	10.64 - 11.04	270 - 280	8	200	312110B080CS-SB	\$ 447.50
				12	300	312110B120CS-SB	\$ 670.80
				16	400	312110B160CS-SB	\$ 895.00
				24	600	312110B240CS-SB	\$ 1,341.60
10C	250	11.04 - 11.44	280 - 291	8	200	312110C080CS-SB	\$ 447.50
				12	300	312110C120CS-SB	\$ 670.80
				16	400	312110C160CS-SB	\$ 895.00
				24	600	312110C240CS-SB	\$ 1,341.60
10D	250	11.34 - 11.74	288 - 298	8	200	312110D080CS-SB	\$ 447.50
				12	300	312110D120CS-SB	\$ 670.80
				16	400	312110D160CS-SB	\$ 895.00
				24	600	312110D240CS-SB	\$ 1,341.60
10E	250	11.75 - 12.15	298 - 309	8	200	312110E080CS-SB	\$ 447.50
				12	300	312110E120CS-SB	\$ 670.80
				16	400	312110E160CS-SB	\$ 895.00
				24	600	312110E240CS-SB	\$ 1,341.60
12A	300	12.00 - 12.40	305 - 315	8	200	312112A080CS-SB	\$ 503.30
				12	300	312112A120CS-SB	\$ 754.10
				16	400	312112A160CS-SB	\$ 1,006.40
				24	600	312112A240CS-SB	\$ 1,508.20

3121CS CAST STAINLESS LUG SINGLE PANEL

Nominal Pipe Size		Pipe OD Range		Width		Part Number	List Price
Inches	MM	Inches	MM	Inches	MM		
12B	300	12.62 - 13.02	321 - 331	8	200	312112B080CS-SB	\$ 503.30
				12	300	312112B120CS-SB	\$ 754.10
				16	400	312112B160CS-SB	\$ 1,006.40
				24	600	312112B240CS-SB	\$ 1,508.20
12C	300	13.10 - 13.50	333 - 343	8	200	312112C080CS-SB	\$ 503.30
				12	300	312112C120CS-SB	\$ 754.10
				16	400	312112C160CS-SB	\$ 1,006.40
				24	600	312112C240CS-SB	\$ 1,508.20
12D	300	13.40 - 13.80	340 - 351	8	200	312112D080CS-SB	\$ 503.30
				12	300	312112D120CS-SB	\$ 754.10
				16	400	312112D160CS-SB	\$ 1,006.40
				24	600	312112D240CS-SB	\$ 1,508.20
12E	300	13.70 - 14.10	348 - 358	8	200	312112E080CS-SB	\$ 503.30
				12	300	312112E120CS-SB	\$ 754.10
				16	400	312112E160CS-SB	\$ 1,006.40
				24	600	312112E240CS-SB	\$ 1,508.20
12F	300	14.00 - 14.40	356 - 366	8	200	312112F080CS-SB	\$ 503.30
				12	300	312112F120CS-SB	\$ 754.10
				16	400	312112F160CS-SB	\$ 1,006.40
				24	600	312112F240CS-SB	\$ 1,508.20

MANUFACTURERS RECOMMENDATIONS

- Clamp width should equal or exceed pipe diameter for higher working pressures.
- Repair Clamps are not recommended for use in joining plain end pressure pipe.
- Other sizes and widths not listed are readily available. Price on request.

Pipe OD Range = .40" (10mm)

HOW TO ORDER: Specify Model Number, Pipe Size with Letter Code, and Width. EXAMPLE: 6" Cast Iron O.D. 6.90 with 8" Clamp Width. Order 3121CS - 6C X 8. **Part Number:** 312106C080CS-SB .

NOTE 1: Clamps will not eliminate axial / lateral movement of pipe. Some type of pipe restraint or anchoring product must be used in these situations.

NOTE 2: When clamps are used on HDPE you must use spring washers. See HDPE products section.



COATING OPTION: Anti-Seizing/Galling protection. Available for both Alloy and SST application. Inquire with sales for cost and availability

3121AS ALL STAINLESS SINGLE PANEL

PANEL & LIFTER BAR: Type 304 (18-8) Stainless Steel per ASTM A240.

GASKET: SBR Chek-O-Seal with multi o-ring sealing ribs from 100% new rubber to ensure performance under varying pressures with superior storage characteristics. Suitable for mild acids, water and salt media with a temperature range of -25°F to +200°F per ASTM D2000. Other materials available.

ARMOR PLATE: Type 304 (18-8) Stainless Steel per ASTM A240, recessed and bonded to the gasket.

BOLTS & NUTS: Type 304 (18-8) Stainless Steel per ASTM A193 and A194. **NOTE:** Hex nuts are furnished with fusion bonded coating to prevent seizing and/or galling.

LUGS: Type 304 (18-8) Stainless Steel per ASTM A240.

WASHERS: Delrin per ASTM D6778.

MEETS AWWA C230



Nominal Pipe Size		Pipe OD Range		Width		Part Number	List Price
Inches	MM	Inches	MM	Inches	MM		
1 1/4	26	1.66	42	8	200	3121012080CA	\$ 108.60
				10	250	3121012100CA	\$ 151.20
				12	300	3121012120CA	\$ 180.70
				16	400	3121012160CA	\$ 202.00
				20	500	3121012200CA	\$ 219.90
				24	600	3121012240CA	\$ 283.30
				30	750	3121012300CA	\$ 346.20
1 1/2	38	1.88 - 1.92	48 - 49	8	200	3121015080CA	\$ 113.10
				10	250	3121015100CA	\$ 157.50
				12	300	3121015120CA	\$ 188.20
				16	400	3121015160CA	\$ 210.40
				20	500	3121015200CA	\$ 229.10
				24	600	3121015240CA	\$ 298.30
				30	750	3121015300CA	\$ 364.40
2	50	2.35 - 2.63	60 - 67	8	200	3121020080CA	\$ 117.90
				10	250	3121020100CA	\$ 164.10
				12	300	3121020120CA	\$ 196.10
				16	400	3121020160CA	\$ 219.20
				20	500	3121020200CA	\$ 238.70
				24	600	3121020240CA	\$ 314.00
				30	750	3121020300CA	\$ 383.60
2 1/2	63	2.70 - 3.00	69 - 77	8	200	3121025080CA	\$ 122.70
				10	250	3121025100CA	\$ 170.10
				12	300	3121025120CA	\$ 200.90
				16	400	3121025160CA	\$ 217.70
				20	500	3121025200CA	\$ 263.60
				24	600	3121025240CA	\$ 348.90
				30	750	3121025300CA	\$ 426.30

3121AS ALL STAINLESS SINGLE PANEL

Nominal Pipe Size		Pipe OD Range		Width		Part Number	List Price
Inches	MM	Inches	MM	Inches	MM		
3A	75	2.97 - 3.25	75 - 83	8	200	312103A080CA	\$ 128.80
				10	250	312103A100CA	\$ 177.90
				12	300	312103A120CA	\$ 208.50
				16	400	312103A160CA	\$ 235.40
				20	500	312103A200CA	\$ 302.00
				24	600	312103A240CA	\$ 401.10
				30	750	312103A300CA	\$ 490.10
3B	75	3.46 - 3.70	88 - 94	8	200	312103B080CA	\$ 128.70
				10	250	312103B100CA	\$ 177.90
				12	300	312103B120CA	\$ 208.50
				16	400	312103B160CA	\$ 235.40
				20	500	312103B200CA	\$ 302.00
				24	600	312103B240CA	\$ 401.10
				30	750	312103B300CA	\$ 490.10
3C	75	3.73 - 4.00	95 - 102	8	200	312103C080CA	\$ 128.70
				10	250	312103C100CA	\$ 177.90
				12	300	312103C120CA	\$ 208.50
				16	400	312103C160CA	\$ 235.40
				20	500	312103C200CA	\$ 302.00
				24	600	312103C240CA	\$ 401.10
				30	750	312103C300CA	\$ 490.10
3D	75	3.96 - 4.25	101 - 108	8	200	312103D080CA	\$ 128.70
				10	250	312103D100CA	\$ 177.90
				12	300	312103D120CA	\$ 208.50
				16	400	312103D160CA	\$ 235.40
				20	500	312103D200CA	\$ 302.00
				24	600	312103D240CA	\$ 401.10
				30	750	312103D300CA	\$ 490.10
4A	100	4.45 - 4.73	113 - 120	8	200	312104A080CA	\$ 145.20
				10	250	312104A100CA	\$ 197.90
				12	300	312104A120CA	\$ 230.70
				16	400	312104A160CA	\$ 256.50
				20	500	312104A200CA	\$ 389.00
				24	600	312104A240CA	\$ 521.80
				30	750	312104A300CA	\$ 636.60
4B	100	4.74 - 5.14	120 - 131	8	200	312104B080CA	\$ 145.20
				10	250	312104B100CA	\$ 197.90
				12	300	312104B120CA	\$ 230.70
				16	400	312104B160CA	\$ 256.50
				20	500	312104B200CA	\$ 389.00
				24	600	312104B240CA	\$ 521.80
				30	750	312104B300CA	\$ 636.60

3121AS ALL STAINLESS SINGLE PANEL

Nominal Pipe Size		Pipe OD Range		Width		Part Number	List Price
Inches	MM	Inches	MM	Inches	MM		
4C	100	4.95 - 5.35	126 - 136	8	200	312104C080CA	\$ 145.20
				10	250	312104C100CA	\$ 197.90
				12	300	312104C120CA	\$ 230.70
				16	400	312104C160CA	\$ 256.50
				20	500	312104C200CA	\$ 389.00
				24	600	312104C240CA	\$ 521.80
				30	750	312104C300CA	\$ 636.60
4D	100	5.22 - 5.62	133 - 143	8	200	312104D080CA	\$ 145.20
				10	250	312104D100CA	\$ 197.90
				12	300	312104D120CA	\$ 230.70
				16	400	312104D160CA	\$ 256.50
				20	500	312104D200CA	\$ 389.00
				24	600	312104D240CA	\$ 521.80
				30	750	312104D300CA	\$ 636.60
6A	150	5.95 - 6.35	151 - 161	8	200	312106A080CA	\$ 173.80
				10	250	312106A100CA	\$ 235.40
				12	300	312106A120CA	\$ 277.50
				16	400	312106A160CA	\$ 306.00
				20	500	312106A200CA	\$ 461.60
				24	600	312106A240CA	\$ 580.90
				30	750	312106A300CA	\$ 756.30
6B	150	6.56 - 6.96	167 - 177	8	200	312106B080CA	\$ 173.80
				10	250	312106B100CA	\$ 235.40
				12	300	312106B120CA	\$ 277.50
				16	400	312106B160CA	\$ 306.00
				20	500	312106B200CA	\$ 461.60
				24	600	312106B240CA	\$ 580.90
				30	750	312106B300CA	\$ 756.30
6C	150	6.84 - 7.24	174 - 184	8	200	312106C080CA	\$ 173.80
				10	250	312106C100CA	\$ 235.40
				12	300	312106C120CA	\$ 277.50
				16	400	312106C160CA	\$ 306.00
				20	500	312106C200CA	\$ 461.60
				24	600	312106C240CA	\$ 580.90
				30	750	312106C300CA	\$ 756.30
6D	150	7.05 - 7.45	179 - 189	8	200	312106D080CA	\$ 173.80
				10	250	312106D100CA	\$ 235.40
				12	300	312106D120CA	\$ 277.50
				16	400	312106D160CA	\$ 306.00
				20	500	312106D200CA	\$ 461.60
				24	600	312106D240CA	\$ 580.90
				30	750	312106D300CA	\$ 756.30

3121AS ALL STAINLESS SINGLE PANEL

Nominal Pipe Size		Pipe OD Range		Width		Part Number	List Price
Inches	MM	Inches	MM	Inches	MM		
6E	150	7.45 - 7.85	189 - 199	8	200	312106E080CA	\$ 173.80
				10	250	312106E100CA	\$ 235.40
				12	300	312106E120CA	\$ 277.50
				16	400	312106E160CA	\$ 306.00
				20	500	312106E200CA	\$ 461.60
				24	600	312106E240CA	\$ 580.90
				30	750	312106E300CA	\$ 756.30
8A	200	7.95 - 8.35	202 - 212	8	200	312108A080CA	\$ 203.60
				10	250	312108A100CA	\$ 269.70
				12	300	312108A120CA	\$ 326.80
				16	400	312108A160CA	\$ 373.40
				20	500	312108A200CA	\$ 529.00
				24	600	312108A240CA	\$ 658.70
				30	750	312108A300CA	\$ 868.40
8B	200	8.54 - 8.94	217 - 227	8	200	312108B080CA	\$ 203.60
				10	250	312108B100CA	\$ 269.70
				12	300	312108B120CA	\$ 326.80
				16	400	312108B160CA	\$ 373.40
				20	500	312108B200CA	\$ 529.00
				24	600	312108B240CA	\$ 658.70
				30	750	312108B300CA	\$ 868.40
8C	200	8.99 - 9.39	228 - 239	8	200	312108C080CA	\$ 203.60
				10	250	312108C100CA	\$ 269.70
				12	300	312108C120CA	\$ 326.80
				16	400	312108C160CA	\$ 373.40
				20	500	312108C200CA	\$ 529.00
				24	600	312108C240CA	\$ 658.70
				30	750	312108C300CA	\$ 868.40
8D	200	9.27 - 9.67	235 - 246	8	200	312108D080CA	\$ 203.60
				10	250	312108D100CA	\$ 269.70
				12	300	312108D120CA	\$ 326.80
				16	400	312108D160CA	\$ 373.40
				20	500	312108D200CA	\$ 529.00
				24	600	312108D240CA	\$ 658.70
				30	750	312108D300CA	\$ 868.40
10A	250	9.70 - 10.10	246 - 257	8	200	312110A080CA	\$ 271.30
				10	250	312110A100CA	\$ 357.00
				12	300	312110A120CA	\$ 425.70
				16	400	312110A160CA	\$ 489.20
				20	500	312110A200CA	\$ 653.20
				24	600	312110A240CA	\$ 811.70
				30	750	312110A300CA	\$ 1,110.50

3121AS ALL STAINLESS SINGLE PANEL

Nominal Pipe Size		Pipe OD Range		Width		Part Number	List Price
Inches	MM	Inches	MM	Inches	MM		
10B	250	10.64 - 11.04	270 - 280	8	200	312110B080CA	\$ 271.30
				10	250	312110B100CA	\$ 357.00
				12	300	312110B120CA	\$ 425.70
				16	400	312110B160CA	\$ 489.20
				20	500	312110B200CA	\$ 653.20
				24	600	312110B240CA	\$ 811.70
				30	750	312110B300CA	\$ 1,110.50
10C	250	11.04 - 11.44	280 - 291	8	200	312110C080CA	\$ 271.30
				10	250	312110C100CA	\$ 357.00
				12	300	312110C120CA	\$ 425.70
				16	400	312110C160CA	\$ 489.20
				20	500	312110C200CA	\$ 653.20
				24	600	312110C240CA	\$ 811.70
				30	750	312110C300CA	\$ 1,110.50
10D	250	11.34 - 11.74	288 - 298	8	200	312110D080CA	\$ 271.30
				10	250	312110D100CA	\$ 357.00
				12	300	312110D120CA	\$ 425.70
				16	400	312110D160CA	\$ 489.20
				20	500	312110D200CA	\$ 653.20
				24	600	312110D240CA	\$ 811.70
				30	750	312110D300CA	\$ 1,110.50
10E	250	11.75 - 12.15	298 - 309	8	200	312110E080CA	\$ 271.30
				10	250	312110E100CA	\$ 357.00
				12	300	312110E120CA	\$ 425.70
				16	400	312110E160CA	\$ 489.20
				20	500	312110E200CA	\$ 653.20
				24	600	312110E240CA	\$ 811.70
				30	750	312110E300CA	\$ 1,110.50
12A	300	12.00 - 12.40	305 - 315	8	200	312112A080CA	\$ 308.10
				10	250	312112A100CA	\$ 408.50
				12	300	312112A120CA	\$ 493.40
				16	400	312112A160CA	\$ 557.90
				20	500	312112A200CA	\$ 774.80
				24	600	312112A240CA	\$ 902.20
				30	750	312112A300CA	\$ 1,313.40
12B	300	12.62 - 13.02	321 - 331	8	200	312112B080CA	\$ 308.10
				10	250	312112B100CA	\$ 408.50
				12	300	312112B120CA	\$ 493.40
				16	400	312112B160CA	\$ 557.90
				20	500	312112B200CA	\$ 774.80
				24	600	312112B240CA	\$ 902.20
				30	750	312112B300CA	\$ 1,313.40

3121AS ALL STAINLESS SINGLE PANEL

Nominal Pipe Size		Pipe OD Range		Width		Part Number	List Price
Inches	MM	Inches	MM	Inches	MM		
12C	300	13.10 - 13.50	333 - 343	8	200	312112C080CA	\$ 308.10
				10	250	312112C100CA	\$ 408.50
				12	300	312112C120CA	\$ 493.40
				16	400	312112C160CA	\$ 557.90
				20	500	312112C200CA	\$ 774.80
				24	600	312112C240CA	\$ 902.20
				30	750	312112C300CA	\$ 1,313.40
12D	300	13.40 - 13.80	340 - 351	8	200	312112D080CA	\$ 308.10
				10	250	312112D100CA	\$ 408.50
				12	300	312112D120CA	\$ 493.40
				16	400	312112D160CA	\$ 557.90
				20	500	312112D200CA	\$ 774.80
				24	600	312112D240CA	\$ 902.20
				30	750	312112D300CA	\$ 1,313.40
12E	300	13.70 - 14.10	348 - 358	8	200	312112E080CA	\$ 308.10
				10	250	312112E100CA	\$ 408.50
				12	300	312112E120CA	\$ 493.40
				16	400	312112E160CA	\$ 557.90
				20	500	312112E200CA	\$ 774.80
				24	600	312112E240CA	\$ 902.20
				30	750	312112E300CA	\$ 1,313.40
12F	300	14.00 - 14.40	356 - 366	8	200	312112F080CA	\$ 308.10
				10	250	312112F100CA	\$ 408.50
				12	300	312112F120CA	\$ 493.40
				16	400	312112F160CA	\$ 557.90
				20	500	312112F200CA	\$ 774.80
				24	600	312112F240CA	\$ 902.20
				30	750	312112F300CA	\$ 1,313.40

MANUFACTURERS RECOMMENDATIONS

- Clamp width should equal or exceed pipe diameter for higher working pressures.
- Repair Clamps are not recommended for use in joining plain end pressure pipe.
- Other sizes and widths not listed are readily available. Price on request.

HOW TO ORDER: Specify Model Number, Pipe Size with Letter Code, and Width. EXAMPLE: 6" Cast Iron O.D. 6.90 with 12" Clamp Width. Order 3121AS - 6C x 12. **Part Number:**312106C120CA .

NOTE 1: Clamps will not eliminate axial / lateral movement of pipe. Some type of pipe restraint or anchoring product must be used in these situations.

NOTE 2: When clamps are used on HDPE you must use spring washers. See HDPE products section.



COATING OPTION: Anti-Seizing/Galling protection. Available for both Alloy and SST application. Inquire with sales for cost and availability.

3121AS-LW ALL STAINLESS SEWER CLAMP

PANEL & LIFTER BAR: Type 304 (18-8) Stainless Steel per ASTM A240.

GASKET: SBR Chek-O-Seal with multi o-ring sealing ribs from 100% new rubber to ensure performance under varying pressures with superior storage characteristics. Suitable for mild acids, water and salt media with a temperature range of -25°F to +200°F per ASTM D2000 . Other materials available.

ARMOR PLATE: Type 304 (18-8) Stainless Steel per ASTM A240, recessed and bonded to the gasket.

BOLTS & NUTS: Type 304 (18-8) Stainless Steel per ASTM A193 and A194.

NOTE: Hex nuts are furnished with fusion bonded coating to prevent seizing and/or galling.

LUGS: Type 304 (18-8) Stainless Steel per ASTM A240.

WASHERS: Delrin per MIL-A50424.

MEETS AWWA C230



Nominal Pipe Size		Pipe OD Range		Width		Part Number	List Price
Inches	MM	Inches	MM	Inches	MM		
2 A	50	2.37-2.63	60-67	6	150	312102A060LW	\$ 97.00
				8	200	312102A080LW	\$ 132.90
				12	300	312102A120LW	\$ 221.30
2 B	50	2.62-2.87	67-73	6	150	312102B060LW	\$ 97.00
				8	200	312102B080LW	\$ 132.90
				12	300	312102B120LW	\$ 221.30
2 C	50	2.87-3.12	73-79	6	150	312102C060LW	\$ 97.00
				8	200	312102C080LW	\$ 132.90
				12	300	312102C120LW	\$ 221.30
3A	80	3.45-3.70	88-94	6	150	312103A060LW	\$ 117.40
				8	200	312103A080LW	\$ 144.90
				12	300	312103A120LW	\$ 234.30
3B	80	3.75-4.00	95-102	6	150	312103B060LW	\$ 117.40
				8	200	312103B080LW	\$ 144.90
				12	300	312103B120LW	\$ 234.30
3C	80	3.95-4.20	100-107	6	150	312103C060LW	\$ 117.40
				8	200	312103C080LW	\$ 144.90
				12	300	312103C120LW	\$ 234.30
4A	100	4.45 - 4.75	113-121	6	150	312104A060LW	\$ 131.00
				8	200	312104A080LW	\$ 163.60
				12	300	312104A120LW	\$ 259.80
4B	100	4.74 - 5.14	120-131	6	150	312104B060LW	\$ 131.00
				8	200	312104B080LW	\$ 163.60
				12	300	312104B120LW	\$ 259.80
4C	100	4.95-5.35	126-136	6	150	312104C060LW	\$ 131.00
				8	200	312104C080LW	\$ 163.60
				12	300	312104C120LW	\$ 259.80

3121AS-LW ALL STAINLESS SEWER CLAMP

Nominal Pipe Size		Pipe OD Range		Width		Part Number	List Price
Inches	MM	Inches	MM	Inches	MM		
4D	100	5.20-5.60	132-142	6	150	312104D060LW	\$ 131.00
				8	200	312104D080LW	\$ 163.60
				12	300	312104D120LW	\$ 259.80
6A	150	5.95 - 6.35	151 - 161	6	150	312106A060LW	\$ 162.00
				8	200	312106A080LW	\$ 195.20
				12	300	312106A120LW	\$ 312.60
6B	150	6.60 - 7.00	168-178	6	150	312106B060LW	\$ 162.00
				8	200	312106B080LW	\$ 195.20
				12	300	312106B120LW	\$ 313.00
6C	150	6.84 - 7.24	174 - 184	6	150	312106C060LW	\$ 162.00
				8	200	312106C080LW	\$ 195.00
				12	300	312106C120LW	\$ 312.60
6D	150	7.05 - 7.46	179 - 189	6	150	312106D060LW	\$ 162.00
				8	200	312106D080LW	\$ 195.20
				12	300	312106D120LW	\$ 312.60
6E	150	7.40-7.80	188 - 198	6	150	312106E060LW	\$ 162.00
				8	200	312106E080LW	\$ 195.20
				12	300	312106E120LW	\$ 312.60
8A	200	7.95 - 8.35	202 - 212	6	150	312108A060LW	\$ 191.70
				8	200	312108A080LW	\$ 229.30
				12	300	312108A120LW	\$ 368.10
8B	200	8.60 - 9.00	218-229	6	150	312108B060LW	\$ 191.70
				8	200	312108B080LW	\$ 229.30
				12	300	312108B120LW	\$ 368.10
8C	200	9.00-9.40	229-239	6	150	312108C060LW	\$ 191.70
				8	200	312108C080LW	\$ 229.30
				12	300	312108C120LW	\$ 368.10
8D	200	9.30-9.70	236-246	6	150	312108D060LW	\$ 191.70
				8	200	312108D080LW	\$ 229.30
				12	300	312108D120LW	\$ 368.10

MANUFACTURERS RECOMMENDATIONS

- Clamp width should equal or exceed pipe diameter for higher working pressures.
- Repair Clamps are not recommended for use in joining plain end pressure pipe.
- Other sizes and widths not listed are readily available. Price on request.

Pipe OD Range = 0.40" (10mm) Pipe Sizes 1 1/4 through 6 inch are available in 6 inch Width and are priced the same as the 8 inch Width. See product 3131AS for Tapped Outlets.

HOW TO ORDER: Specify Model Number, Pipe Size with Letter Code, and Width. EXAMPLE: 6" SDR 35 PVC O.D. 6.28 with 8" Clamp Width. Order 3121AS-LW - 6A x 8. **Part Number:** 312106A080LW .

NOTE 1: Clamps will not eliminate axial / lateral movement of pipe. Some type of pipe restraint or anchoring product must be used in these situations.

NOTE 2: When clamps are used on HDPE you must use spring washers. See HDPE products section.

3122 IRON LUG DOUBLE PANEL

PANEL: Type 304 (18-8) Stainless Steel per ASTM A240

GASKET: SBR Chek-O-Seal with multi o-ring sealing ribs from 100% new rubber to ensure performance under varying pressures with superior storage characteristics. Suitable for mild acids, water and salt media with a temperature range of -25°F to +200°F per ASTM D2000 . Other materials available.

ARMOR PLATE: Type 304 (18-8) Stainless Steel per ASTM A240, recessed and bonded to the gasket.

BOLTS & NUTS: Low Alloy Steel per ASTM A325, ASTM A563, and AWWA C111.

LUGS: Ductile Iron per ASTM A536.

MEETS AWWA C230



Nominal Pipe Size		Pipe OD Range		Width		Part Number	List Price
Inches	MM	Inches	MM	Inches	MM		
3	75	3.49-4.29	89-109	8	200	3122030080AA-LB	\$ 168.70
				10	250	3122030100AA-LB	\$ 205.80
				12	300	3122030120AA-LB	\$ 268.60
				16	400	3122030160AA-LB	\$ 331.40
				20	500	3122030200AA-LB	\$ 534.50
				24	600	3122030240AA-LB	\$ 596.50
				30	750	3122060300AA-LB	\$ 660.20
4A	100	4.44 - 5.24	113-133	8	200	312204A080AA-LB	\$ 182.00
				10	250	312204A100AA-LB	\$ 242.30
				12	300	312204A120AA-LB	\$ 287.90
				16	400	312204A160AA-LB	\$ 360.50
				20	500	312204A200AA-LB	\$ 540.80
				24	600	312204A240AA-LB	\$ 630.40
				30	750	312204A300AA-LB	\$ 721.10
4B	100	4.74 - 5.57	120-141	8	200	312204B080AA-LB	\$ 182.00
				10	250	312204B100AA-LB	\$ 242.30
				12	300	312204B120AA-LB	\$ 287.90
				16	400	312204B160AA-LB	\$ 360.50
				20	500	312204B200AA-LB	\$ 540.80
				24	600	312204B240AA-LB	\$ 630.40
				30	750	312204B300AA-LB	\$ 721.10

3122 IRON LUG DOUBLE PANEL

Nominal Pipe Size		Pipe OD Range		Width		Part Number	List Price
Inches	MM	Inches	MM	Inches	MM		
6A	150	6.62 - 7.42	168-188	8	200	312206A080AA-LB	\$ 216.30
				10	250	312206A100AA-LB	\$ 278.20
				12	300	312206A120AA-LB	\$ 324.50
				16	400	312206A160AA-LB	\$ 420.40
				20	500	312206A200AA-LB	\$ 576.90
				24	600	312206A240AA-LB	\$ 720.70
				30	750	312206A300AA-LB	\$ 865.30
6B	150	6.84 - 7.64	174-194	8	200	312206B080AA-LB	\$ 216.30
				10	250	312206B100AA-LB	\$ 278.20
				12	300	312206B120AA-LB	\$ 324.50
				16	400	312206B160AA-LB	\$ 420.40
				20	500	312206B200AA-LB	\$ 576.90
				24	600	312206B240AA-LB	\$ 720.70
				30	750	312206B300AA-LB	\$ 865.30
8A	200	8.62 - 9.42	219-239	8	200	312208A080AA-LB	\$ 244.60
				10	250	312208A100AA-LB	\$ 309.00
				12	300	312208A120AA-LB	\$ 360.50
				16	400	312208A160AA-LB	\$ 478.00
				20	500	312208A200AA-LB	\$ 638.70
				24	600	312208A240AA-LB	\$ 798.00
				30	750	312208A300AA-LB	\$ 958.50
8B	200	8.99 - 9.79	228-249	8	200	312208B080AA-LB	\$ 244.60
				10	250	312208B100AA-LB	\$ 309.00
				12	300	312208B120AA-LB	\$ 360.50
				16	400	312208B160AA-LB	\$ 478.00
				20	500	312208B200AA-LB	\$ 638.70
				24	600	312208B240AA-LB	\$ 798.00
				30	750	312208B300AA-LB	\$ 958.50
10A	250	10.75 - 11.55	273-293	8	200	312210A080AA-LB	\$ 271.20
				10	250	312210A100AA-LB	\$ 355.30
				12	300	312210A120AA-LB	\$ 411.10
				16	400	312210A160AA-LB	\$ 643.90
				20	500	312210A200AA-LB	\$ 824.00
				24	600	312210A240AA-LB	\$ 1,029.40
				30	750	312210A300AA-LB	\$ 1,236.20

3122 IRON LUG DOUBLE PANEL

Nominal Pipe Size		Pipe OD Range		Width		Part Number	List Price
Inches	MM	Inches	MM	Inches	MM		
10D	250	11.60 - 12.40	295-315	8	200	312210D080AA-LB	\$ 271.20
				10	250	312210D100AA-LB	\$ 355.30
				12	300	312210D120AA-LB	\$ 411.10
				16	400	312210D160AA-LB	\$ 643.90
				20	500	312210D200AA-LB	\$ 824.00
				24	600	312210D240AA-LB	\$ 1,029.40
				30	750	312210D300AA-LB	\$ 1,236.20
12A	300	12.75 - 13.55	324-344	8	200	312212A080AA-LB	POA
				10	250	312212A100AA-LB	\$ 400.20
				12	300	312212A120AA-LB	\$ 458.40
				16	400	312212A160AA-LB	\$ 679.90
				20	500	312212A200AA-LB	\$ 909.00
				24	600	312212A240AA-LB	\$ 1,134.20
				30	750	312212A300AA-LB	\$ 1,359.80
12B	300	13.20 - 14.00	335-356	8	200	312212B080AA-LB	POA
				10	250	312212B100AA-LB	\$ 400.20
				12	300	312212B120AA-LB	\$ 458.40
				16	400	312212B160AA-LB	\$ 679.90
				20	500	312212B200AA-LB	\$ 909.00
				24	600	312212B240AA-LB	\$ 1,134.20
				30	750	312212B300AA-LB	\$ 1,359.80
12D	300	13.65 - 14.45	347-367	8	200	312212D080AA-LB	POA
				10	250	312212D100AA-LB	\$ 400.20
				12	300	312212D120AA-LB	\$ 458.40
				16	400	312212D160AA-LB	\$ 679.90
				20	500	312212D200AA-LB	\$ 909.00
				24	600	312212D240AA-LB	\$ 1,134.20
				30	750	312212D300AA-LB	\$ 1,359.80
14A	350	14.38 - 15.13	365-384	10	250	312214A100AA-LB	\$ 717.50
				12	300	312214A120AA-LB	\$ 876.70
				16	400	312214A160AA-LB	\$ 1,031.50
				20	500	312214A200AA-LB	\$ 1,399.70
				24	600	312214A240AA-LB	\$ 1,757.60
				30	750	312214A300AA-LB	\$ 2,117.20
14B	350	15.07 - 15.82	383-402	10	250	312214B100AA-LB	\$ 717.50
				12	300	312214B120AA-LB	\$ 876.70
				16	400	312214B160AA-LB	\$ 1,031.50
				20	500	312114B200AA-LB	\$ 1,399.70
				24	600	312214B240AA-LB	\$ 1,757.60
				30	750	312214B300AA-LB	\$ 2,117.20

3122 IRON LUG DOUBLE PANEL

Nominal Pipe Size		Pipe OD Range		Width		Part Number	List Price
Inches	MM	Inches	MM	Inches	MM		
16A	400	15.92 - 16.67	404-423	10	250	312216A100AA-LB	\$ 755.30
				12	300	312216A120AA-LB	\$ 924.90
				16	400	312216A160AA-LB	\$ 1,088.10
				20	500	312216A200AA-LB	\$ 1,475.20
				24	600	312216A240AA-LB	\$ 1,843.40
				30	750	312216A300AA-LB	\$ 2,212.80
16B	400	16.56 - 17.31	421-440	10	250	312216B100AA-LB	\$ 755.30
				12	300	312216B120AA-LB	\$ 924.90
				16	400	312216B160AA-LB	\$ 1,088.10
				20	500	312216B200AA-LB	\$ 1,475.20
				24	600	312216B240AA-LB	\$ 1,843.40
				30	750	312216B300AA-LB	\$ 2,212.80
16C	400	17.15 - 17.90	436-455	10	250	312216C100AA-LB	\$ 755.30
				12	300	312216C120AA-LB	\$ 924.90
				16	400	312216C160AA-LB	\$ 1,088.10
				20	500	312216C200AA-LB	\$ 1,475.20
				24	600	312216C240AA-LB	\$ 1,843.40
				30	750	312216C300AA-LB	\$ 2,212.80
18A	450	17.82 - 18.57	453-472	12	300	312218A120AA-LB	\$ 945.00
				16	400	312218A160AA-LB	\$ 1,111.70
				20	500	312218A200AA-LB	\$ 1,501.20
				24	600	312218A240AA-LB	\$ 1,887.20
				30	750	312218A300AA-LB	\$ 2,275.40
18B	450	18.46 - 19.21	469-488	12	300	312218B120AA-LB	\$ 945.00
				16	400	312218B160AA-LB	\$ 1,111.70
				20	500	312218B200AA-LB	\$ 1,501.20
				24	600	312218B240AA-LB	\$ 1,887.20
				30	750	312218B300AA-LB	\$ 2,275.40
18C	450	19.23 - 19.98	488-507	12	300	312218C120AA-LB	\$ 945.00
				16	400	312218C160AA-LB	\$ 1,111.70
				20	500	312218C200AA-LB	\$ 1,501.20
				24	600	312218C240AA-LB	\$ 1,887.20
				30	750	312218C300AA-LB	\$ 2,275.40
20A	500	19.90 - 20.65	505-525	12	300	312220A120AA-LB	\$ 1,014.90
				16	400	312220A160AA-LB	\$ 1,194.30
				20	500	312220A200AA-LB	\$ 1,619.20
				24	600	312220A240AA-LB	\$ 2,033.90
				30	750	312220A300AA-LB	\$ 2,450.00
20B	500	20.70 - 21.45	526-545	12	300	312220B120AA-LB	\$ 1,014.90
				16	400	312220B160AA-LB	\$ 1,194.30
				20	500	312220B200AA-LB	\$ 1,619.20
				24	600	312220B240AA-LB	\$ 2,033.90
				30	750	312220B300AA-LB	\$ 2,450.00

3122 IRON LUG DOUBLE PANEL

Nominal Pipe Size		Pipe OD Range		Width		Part Number	List Price
Inches	MM	Inches	MM	Inches	MM		
22A	550	21.52 - 22.27	547-566	12	300	312222A120AA-LB	\$ 1,705.60
				16	400	312222A160AA-LB	\$ 2,006.60
				20	500	312222A200AA-LB	\$ 2,605.20
				24	600	312222A240AA-LB	\$ 3,359.60
				30	750	312222A300AA-LB	\$ 4,115.80
22B	550	22.12 - 22.87	562-581	12	300	312222B120AA-LB	\$ 1,705.60
				16	400	312222B160AA-LB	\$ 2,006.60
				20	500	312222B200AA-LB	\$ 2,605.20
				24	600	312222B240AA-LB	\$ 3,359.60
				30	750	312222B300AA-LB	\$ 4,115.80
22C	550	22.90 - 23.65	582-601	12	300	312222C120AA-LB	\$ 1,705.60
				16	400	312222C160AA-LB	\$ 2,006.60
				20	500	312222C200AA-LB	\$ 2,605.20
				24	600	312222C240AA-LB	\$ 3,359.60
				30	750	312222C300AA-LB	\$ 4,115.80

MANUFACTURERS RECOMMENDATIONS

- Clamp width should equal or exceed pipe diameter for higher working pressures.
- Repair Clamps are not recommended for use in joining plain end pressure pipe.
- Other sizes and widths not listed are readily available. Price on request.

Pipe OD Range = 0.80" (20mm) Pipe Sizes 3 through 6 inch are available in 6 inch Width and are priced the same as the 8 inch Width. See product 3132 for Tapped Outlets.

HOW TO ORDER: Specify Model Number, Pipe Size with Letter Code, and Width. EXAMPLE: 12" Cast Iron O.D. 13.20 with 16" Clamp Width. Order 3122 - 12B x 16 . **Part Number:** 312212B160AA-LB .

NOTE 1: Clamps will not eliminate axial / lateral movement of pipe. Some type of pipe restraint or anchoring product must be used in these situations.

NOTE 2: When clamps are used on HDPE you must use spring washers. See HDPE products section.



COATING OPTION: Anti-Seizing/Galling protection. Available for both Alloy and SST application. Inquire with sales for cost and availability

3122 IRON LUG DOUBLE PANEL SS BOLTS

PANEL: Type 304 (18-8) Stainless Steel per ASTM A240.

GASKET: SBR Chek-O-Seal with multi o-ring sealing ribs from 100% new rubber to ensure performance under varying pressures with superior storage characteristics. Suitable for mild acids, water and salt media with a temperature range of -25°F to +200°F per ASTM D2000. Other materials available.

ARMOR PLATE: Type 304 (18-8) Stainless Steel per ASTM A240, recessed and bonded to the gasket.

BOLTS & NUTS: Type 304 (18-8) Stainless Steel per ASTM A193 and A194. **NOTE** Hex nuts are furnished with fusion bonded coating to prevent seizing and/or galling.

LUGS: Ductile Iron per ASTM A536.

MEETS AWWA C230



Nominal Pipe Size		Pipe OD Range		Width		Part Number	List Price
Inches	MM	Inches	MM	Inches	MM		
3	75	3.49-4.29	89-109	8	200	3122030080BA-LB	\$ 238.00
				10	250	3122030100BA-LB	\$ 314.40
				12	300	3122030120BA-LB	\$ 357.70
				16	400	3122030160BA-LB	\$ 468.10
				20	500	3122030200BA-LB	\$ 698.20
				24	600	3122030240BA-LB	\$ 810.00
				30	750	3122030300BA-LB	\$ 923.00
4A	100	4.44 - 5.24	113-133	8	200	312204A080BA-LB	\$ 267.60
				10	250	312204A100BA-LB	\$ 359.30
				12	300	312204A120BA-LB	\$ 433.20
				16	400	312204A160BA-LB	\$ 547.90
				20	500	312204A200BA-LB	\$ 805.20
				24	600	312204A240BA-LB	\$ 934.70
				30	750	312204A300BA-LB	\$ 1,065.20
4B	100	4.74 - 5.57	120-141	8	200	312204B080BA-LB	\$ 267.60
				10	250	312204B100BA-LB	\$ 359.30
				12	300	312204B120BA-LB	\$ 433.20
				16	400	312204B160BA-LB	\$ 547.90
				20	500	312204B200BA-LB	\$ 805.20
				24	600	312204B240BA-LB	\$ 934.70
				30	750	312204B300BA-LB	\$ 1,065.20
6A	150	6.62 - 7.42	168-188	8	200	312206A080BA-LB	\$ 298.20
				10	250	312206A100BA-LB	\$ 392.50
				12	300	312206A120BA-LB	\$ 471.50
				16	400	312206A160BA-LB	\$ 606.50
				20	500	312206A200BA-LB	\$ 825.70
				24	600	312206A240BA-LB	\$ 998.50
				30	750	312206A300BA-LB	\$ 1,172.30

3122 IRON LUG DOUBLE PANEL SS BOLTS

Nominal Pipe Size		Pipe OD Range		Width		Part Number	List Price
Inches	MM	Inches	MM	Inches	MM		
6B	150	6.84 - 7.64	174-194	8	200	312206B080BA-LB	\$ 298.20
				10	250	312206B100BA-LB	\$ 392.50
				12	300	312206B120BA-LB	\$ 471.50
				16	400	312206B160BA-LB	\$ 606.50
				20	500	312206B200BA-LB	\$ 825.70
				24	600	312206B240BA-LB	\$ 998.50
				30	750	312206B300BA-LB	\$ 1,172.30
8A	200	8.62 - 9.42	219-239	8	200	312208A080BA-LB	\$ 333.80
				10	250	312208A100BA-LB	\$ 428.10
				12	300	312208A120BA-LB	\$ 509.70
				16	400	312208A160BA-LB	\$ 667.70
				20	500	312208A200BA-LB	\$ 843.50
				24	600	312208A240BA-LB	\$ 1,047.90
				30	750	312208A300BA-LB	\$ 1,253.80
8B	200	8.99 - 9.79	228-249	8	200	312208B080BA-LB	\$ 333.80
				10	250	312208B100BA-LB	\$ 428.10
				12	300	312208B120BA-LB	\$ 509.70
				16	400	312208B160BA-LB	\$ 667.70
				20	500	312208B200BA-LB	\$ 843.50
				24	600	312208B240BA-LB	\$ 1,047.90
				30	750	312208B300BA-LB	\$ 1,253.80
10A	250	10.75 - 11.55	273-293m	8	200	312210A080BA-LB	\$ 509.00
				10	250	312210A100BA-LB	\$ 598.90
				12	300	312210A120BA-LB	\$ 733.90
				16	400	312210A160BA-LB	\$ 869.00
				20	500	312210A200BA-LB	\$ 1,144.30
				24	600	312210A240BA-LB	\$ 1,431.40
				30	750	312210A300BA-LB	\$ 1,720.20
10B	250	11.10 - 11.90	282-302	8	200	312210B080BA-LB	\$ 509.00
				10	250	312210B100BA-LB	\$ 598.90
				12	300	312210B120BA-LB	\$ 733.90
				16	400	312210B160BA-LB	\$ 869.00
				20	500	312210B200BA-LB	\$ 1,144.30
				24	600	312210B240BA-LB	\$ 1,431.40
				30	750	312210B300BA-LB	\$ 1,720.20
10D	250	11.60 - 12.40	295-315	8	200	312210D080BA-LB	\$ 509.00
				10	250	312210D100BA-LB	\$ 598.90
				12	300	312210D120BA-LB	\$ 733.90
				16	400	312210D160BA-LB	\$ 869.00
				20	500	312210D200BA-LB	\$ 1,144.30
				24	600	312210D240BA-LB	\$ 1,431.40
				30	750	312210D300BA-LB	\$ 1,720.20

3122 IRON LUG DOUBLE PANEL SS BOLTS

Nominal Pipe Size		Pipe OD Range		Width		Part Number	List Price
Inches	MM	Inches	MM	Inches	MM		
12A	300	12.75 - 13.55	324-344	8	200	312212A080BA-LB	POA
				10	250	312212A100BA-LB	\$ 644.20
				12	300	312212A120BA-LB	\$ 779.00
				16	400	312212A160BA-LB	\$ 914.90
				20	500	312212A200BA-LB	\$ 1,213.00
				24	600	312212A240BA-LB	\$ 1,510.70
				30	750	312212A300BA-LB	\$ 1,809.40
12B	300	13.20 - 14.00	335-356	8	200	312212B080BA-LB	POA
				10	250	312212B100BA-LB	\$ 644.20
				12	300	312212B120BA-LB	\$ 779.00
				16	400	312212B160BA-LB	\$ 914.90
				20	500	312212B200BA-LB	\$ 1,213.00
				24	600	312212B240BA-LB	\$ 1,510.70
				30	750	312212B300BA-LB	\$ 1,809.40
12D	300	13.65 - 14.45	347-367	8	200	312212D080BA-LB	POA
				10	250	312212D100BA-LB	\$ 644.20
				12	300	312212D120BA-LB	\$ 779.00
				16	400	312212D160BA-LB	\$ 914.90
				20	500	312212D200BA-LB	\$ 1,213.00
				24	600	312212D240BA-LB	\$ 1,510.70
				30	750	312212D300BA-LB	\$ 1,809.40
14A	350	14.38 - 15.13	365-384	10	250	312214A100BA-LB	\$ 957.50
				12	300	312214A120BA-LB	\$ 1,173.60
				16	400	312214A160BA-LB	\$ 1,390.50
				20	500	312214A200BA-LB	\$ 1,871.70
				24	600	312214A240BA-LB	\$ 2,348.60
				30	750	312214A300BA-LB	\$ 2,826.80
14B	350	15.07 - 15.82	383-402	10	250	312214B100BA-LB	\$ 957.50
				12	300	312214B120BA-LB	\$ 1,173.60
				16	400	312214B160BA-LB	\$ 1,390.50
				20	500	312114B200BA-LB	\$ 1,871.70
				24	600	312214B240BA-LB	\$ 2,348.60
				30	750	312214B300BA-LB	\$ 2,826.80
16A	400	15.92 - 16.67	404-423	10	250	312216A100BA-LB	\$ 1,049.00
				12	300	312216A120BA-LB	\$ 1,283.80
				16	400	312216A160BA-LB	\$ 1,520.50
				20	500	312216A200BA-LB	\$ 2,049.70
				24	600	312216A240BA-LB	\$ 2,573.60
				30	750	312216A300BA-LB	\$ 3,098.60
16B	400	16.56 - 17.31	421-440	10	250	312216B100BA-LB	\$ 1,049.00
				12	300	312216B120BA-LB	\$ 1,283.80
				16	400	312216B160BA-LB	\$ 1,520.50
				20	500	312216B200BA-LB	\$ 2,049.70
				24	600	312216B240BA-LB	\$ 2,573.60
				30	750	312216B300BA-LB	\$ 3,098.60

3122 IRON LUG DOUBLE PANEL SS BOLTS

Nominal Pipe Size		Pipe OD Range		Width		Part Number	List Price
Inches	MM	Inches	MM	Inches	MM		
16C	400	17.15 - 17.90	436-455	10	250	312216C100BA-LB	\$ 1,049.00
				12	300	312216C120BA-LB	\$ 1,283.80
				16	400	312216C160BA-LB	\$ 1,520.50
				20	500	312216C200BA-LB	\$ 2,049.70
				24	600	312216C240BA-LB	\$ 2,573.60
				30	750	312216C300BA-LB	\$ 3,098.60
18A	450	17.82 - 18.57	453-472	12	300	312218A120BA-LB	\$ 1,369.30
				16	400	312218A160BA-LB	\$ 1,611.90
				20	500	312218A200BA-LB	\$ 2,174.80
				24	600	312218A240BA-LB	\$ 2,729.20
				30	750	312218A300BA-LB	\$ 3,283.90
18B	450	18.46 - 19.21	469-488	12	300	312218B120BA-LB	\$ 1,369.30
				16	400	312218B160BA-LB	\$ 1,611.90
				20	500	312218B200BA-LB	\$ 2,174.80
				24	600	312218B240BA-LB	\$ 2,729.20
				30	750	312218B300BA-LB	\$ 3,283.90
18C	450	19.23 - 19.98	488-507	12	300	312218C120BA-LB	\$ 1,369.30
				16	400	312218C160BA-LB	\$ 1,611.90
				20	500	312218C200BA-LB	\$ 2,174.80
				24	600	312218C240BA-LB	\$ 2,729.20
				30	750	312218C300BA-LB	\$ 3,283.90
20A	500	19.90 - 20.65	505-525	12	300	312220A120BA-LB	POA
				16	400	312220A160BA-LB	\$ 1,638.40
				20	500	312220A200BA-LB	\$ 2,206.10
				24	600	312220A240BA-LB	\$ 2,768.10
				30	750	312220A300BA-LB	\$ 3,332.00
20B	500	20.70 - 21.45	526-545	12	300	312220B120BA-LB	POA
				16	400	312220B160BA-LB	\$ 1,638.40
				20	500	312220B200BA-LB	\$ 2,206.10
				24	600	312220B240BA-LB	\$ 2,768.10
				30	750	312220B300BA-LB	\$ 3,332.00
22A	550	21.52 - 22.27	547-566	12	300	312222A120BA-LB	POA
				16	400	312222A160BA-LB	\$ 2,713.40
				20	500	312222A200BA-LB	\$ 3,669.60
				24	600	312222A240BA-LB	\$ 4,829.40
				30	750	312222A300BA-LB	\$ 5,990.30
22B	550	22.12 - 22.87	562-581	12	300	312222B120BA-LB	POA
				16	400	312222B160BA-LB	\$ 2,713.40
				20	500	312222B200BA-LB	\$ 3,669.60
				24	600	312222B240BA-LB	\$ 4,829.40
				30	750	312222B300BA-LB	\$ 5,990.30

3122 IRON LUG DOUBLE PANEL SS BOLTS

Nominal Pipe Size		Pipe OD Range		Width		Part Number	List Price
Inches	MM	Inches	MM	Inches	MM		
22C	550	22.90 - 23.65	582-601	12	300	312222C120BA-LB	POA
				16	400	312222C160BA-LB	\$ 2,713.40
				20	500	312222C200BA-LB	\$ 3,669.60
				24	600	312222C240BA-LB	\$ 4,829.40
				30	750	312222C300BA-LB	\$ 5,990.30

MANUFACTURERS RECOMMENDATIONS

- Clamp width should equal or exceed pipe diameter for higher working pressures.
- Repair Clamps are not recommended for use in joining plain end pressure pipe.
- Other sizes and widths not listed are readily available. Price on request.

MANUFACTURERS RECOMMENDATIONS

Pipe OD Range = 80" (20mm) Pipe Sizes 3 through 6 inch are available in 6 inch Width and are priced the same as the 8 inch Width. See product 3132 with SS bolts for tapped outlets.

HOW TO ORDER: Specify Model Number, Pipe Size with Letter Code, and Width. EXAMPLE: 12" Cast Iron O.D. 13.20 with 16" Clamp Width. Order 3122 - 12B x 16 SS BOLTS. **Part Number:** 312212B160BA-LB .

NOTE 1: Clamps will not eliminate axial / lateral movement of pipe. Some type of pipe restraint or anchoring product must be used in these situations.

NOTE 2: When clamps are used on HDPE you must use spring washers. See HDPE products section.



COATING OPTION: Anti-Seizing/Galling protection. Available for both Alloy and SST application. Inquire with sales for cost and availability.

3122AS ALL STAINLESS DOUBLE PANEL

PANEL & LIFTER BAR: Type 304 (18-8) Stainless Steel per ASTM A240.

GASKET: SBR Chek-O-Seal with multi o-ring sealing ribs from 100% new rubber to ensure performance under varying pressures with superior storage characteristics. Suitable for mild acids, water and salt media with a temperature range of -25°F to +200°F per ASTM D2000. Other materials available.

ARMOR PLATE: Type 304 (18-8) Stainless Steel per ASTM A240, recessed and bonded to the gasket.

BOLTS & NUTS: Type 304 (18-8) Stainless Steel per ASTM A193 and A194.

NOTE Hex nuts are furnished with fusion bonded coating to prevent seizing and/or galling.

LUGS: Type 304 (18-8) Stainless Steel per ASTM A240.

WASHERS: Delrin per ASTM D6778.

MEETS AWWA C230



Nominal Pipe Size		Pipe OD Range		Width		Part Number	List Price
Inches	MM	Inches	MM	Inches	MM		
3	75	3.49-4.29	89-109	8	200	3122030080CA	\$ 199.30
				10	250	3122030100CA	\$ 264.70
				12	300	3122030120CA	\$ 327.80
				16	400	3122030160CA	\$ 366.40
				20	500	3122030200CA	\$ 479.30
				24	600	3122030240CA	\$ 612.90
				30	750	3122060300CA	\$ 745.50
4A	100	4.44 - 5.24	113-133	8	200	312204A080CA	\$ 229.10
				10	250	312204A100CA	\$ 300.90
				12	300	312204A120CA	\$ 356.40
				16	400	312204A160CA	\$ 426.00
				20	500	312204A200CA	\$ 570.60
				24	600	312204A240CA	\$ 729.70
				30	750	312204A300CA	\$ 847.20
4B	100	4.74 - 5.57	120-141	8	200	312204B080CA	\$ 229.10
				10	250	312204B100CA	\$ 300.90
				12	300	312204B120CA	\$ 356.40
				16	400	312204B160CA	\$ 426.00
				20	500	312204B200CA	\$ 570.60
				24	600	312204B240CA	\$ 729.70
				30	750	312204B300CA	\$ 847.20

3122AS ALL STAINLESS DOUBLE PANEL

Nominal Pipe Size		Pipe OD Range		Width		Part Number	List Price
Inches	MM	Inches	MM	Inches	MM		
6A	150	6.62 - 7.42	168-188	8	200	312206A080CA	\$ 263.40
				10	250	312206A100CA	\$ 338.90
				12	300	312206A120CA	\$ 386.00
				16	400	312206A160CA	\$ 498.30
				20	500	312206A200CA	\$ 680.20
				24	600	312206A240CA	\$ 894.40
				30	750	312206A300CA	\$ 962.80
6B	150	6.84 - 7.64	174-194	8	200	312206B080CA	\$ 263.40
				10	250	312206B100CA	\$ 338.90
				12	300	312206B120CA	\$ 386.00
				16	400	312206B160CA	\$ 498.30
				20	500	312206B200CA	\$ 680.20
				24	600	312206B240CA	\$ 894.40
				30	750	312206B300CA	\$ 962.80
8A	200	8.62 - 9.42	219-239	8	200	312208A080CA	\$ 301.50
				10	250	312208A100CA	\$ 376.20
				12	300	312208A120CA	\$ 438.50
				16	400	312208A160CA	\$ 570.60
				20	500	312208A200CA	\$ 772.40
				24	600	312208A240CA	\$ 1,021.50
				30	750	312208A300CA	\$ 1,086.00
8B	200	8.99 - 9.79	228-249	8	200	312208B080CA	\$ 301.50
				10	250	312208B100CA	\$ 376.20
				12	300	312208B120CA	\$ 438.50
				16	400	312208B160CA	\$ 570.60
				20	500	312208B200CA	\$ 772.40
				24	600	312208B240CA	\$ 1,021.50
				30	750	312208B300CA	\$ 1,086.00
10A	250	10.75 - 11.55	273-293	8	200	312210A080CA	\$ 304.80
				10	250	312210A100CA	\$ 493.40
				12	300	312210A120CA	\$ 677.20
				16	400	312210A160CA	\$ 710.10
				20	500	312210A200CA	\$ 946.70
				24	600	312210A240CA	\$ 1,258.70
				30	750	312210A300CA	\$ 1,418.70
10B	250	11.10 - 11.90	282-302	8	200	312210B080CA	\$ 304.80
				10	250	312210B100CA	\$ 493.40
				12	300	312210B120CA	\$ 677.20
				16	400	312210B160CA	\$ 710.10
				20	500	312210B200CA	\$ 946.70
				24	600	312210B240CA	\$ 1,258.70
				30	750	312210B300CA	\$ 1,418.70

3122AS ALL STAINLESS DOUBLE PANEL

Nominal Pipe Size		Pipe OD Range		Width		Part Number	List Price
Inches	MM	Inches	MM	Inches	MM		
10D	250	11.60 - 12.40	295-315	8	200	312210D080CA	\$ 304.80
				10	250	312210D100CA	\$ 493.40
				12	300	312210D120CA	\$ 677.20
				16	400	312210D160CA	\$ 710.10
				20	500	312210D200CA	\$ 946.70
				24	600	312210D240CA	\$ 1,258.70
				30	750	312210D300CA	\$ 1,418.70
12A	300	12.75 - 13.55	324-344	8	200	312212A080CA	POA
				10	250	312212A100CA	\$ 565.60
				12	300	312212A120CA	\$ 768.80
				16	400	312212A160CA	\$ 812.30
				20	500	312212A200CA	\$ 1,096.30
				24	600	312212A240CA	\$ 1,398.30
				30	750	312212A300CA	\$ 1,597.70
12B	300	13.20 - 14.00	335-356	8	200	312212B080CA	POA
				10	250	312212B100CA	\$ 565.60
				12	300	312212B120CA	\$ 768.80
				16	400	312212B160CA	\$ 812.30
				20	500	312212B200CA	\$ 1,096.30
				24	600	312212B240CA	\$ 1,398.30
				30	750	312212B300CA	\$ 1,597.70
12D	300	13.65 - 14.45	347-367	8	200	312212D080CA	POA
				10	250	312212D100CA	\$ 565.60
				12	300	312212D120CA	\$ 768.80
				16	400	312212D160CA	\$ 812.30
				20	500	312212D200CA	\$ 1,096.30
				24	600	312212D240CA	\$ 1,398.30
				30	750	312212D300CA	\$ 1,597.70
12F	300	14.00 - 14.80	357-376	8	200	312212F080CA	POA
				10	250	312212F100CA	\$ 565.60
				12	300	312212F120CA	\$ 768.80
				16	400	312212F160CA	\$ 812.30
				20	500	312212F200CA	\$ 1,096.30
				24	600	312212F240CA	\$ 1,398.30
				30	750	312212F300CA	\$ 1,597.70
14A	350	14.38 - 15.13	365-384	10	250	312214A100CA	\$ 756.30
				12	300	312214A120CA	\$ 977.10
				16	400	312214A160CA	\$ 1,089.10
				20	500	312214A200CA	\$ 1,474.70
				24	600	312214A240CA	\$ 1,744.50
				30	750	312214A300CA	\$ 1,836.80

3122AS ALL STAINLESS DOUBLE PANEL

Nominal Pipe Size		Pipe OD Range		Width		Part Number	List Price
Inches	MM	Inches	MM	Inches	MM		
14B	350	15.07 - 15.82	383-402	10	250	312214B100CA	\$ 756.30
				12	300	312214B120CA	\$ 977.10
				16	400	312214B160CA	\$ 1,089.10
				20	500	312114B200CA	\$ 1,474.70
				24	600	312214B240CA	\$ 1,744.50
				30	750	312214B300CA	\$ 1,836.80
16A	400	15.92 - 16.67	404-423	12	300	312216A120CA	\$ 1,285.00
				16	400	312216A160CA	\$ 1,394.80
				20	500	312216A200CA	\$ 1,852.90
				24	600	312216A240CA	\$ 2,461.30
				30	750	312216A300CA	\$ 2,857.60
16B	400	16.56 - 17.31	421-440	12	300	312216B120CA	\$ 1,285.00
				16	400	312216B160CA	\$ 1,394.80
				20	500	312216B200CA	\$ 1,852.90
				24	600	312216B240CA	\$ 2,461.30
				30	750	312216B300CA	\$ 2,857.60
16C	400	17.15 - 17.90	436-455	12	300	312216C120CA	\$ 1,285.00
				16	400	312216C160CA	\$ 1,394.80
				20	500	312216C200CA	\$ 1,852.90
				24	600	312216C240CA	\$ 2,461.30
				30	750	312216C300CA	\$ 2,857.60
18A	450	17.82 - 18.57	453-472	16	400	312218A160CA	\$ 1,555.90
				20	500	312218A200CA	\$ 2,107.30
				24	600	312218A240CA	\$ 2,855.10
				30	750	312218A300CA	\$ 3,189.90
18B	450	18.46 - 19.21	469-488	16	400	312218B160CA	\$ 1,555.90
				20	500	312218B200CA	\$ 2,107.30
				24	600	312218B240CA	\$ 2,855.10
				30	750	312218B300CA	\$ 3,189.90
18C	450	19.23 - 19.98	488-507	16	400	312218C160CA	\$ 1,555.90
				20	500	312218C200CA	\$ 2,107.30
				24	600	312218C240CA	\$ 2,855.10
				30	750	312218C300CA	\$ 3,189.90
20A	500	19.90 - 20.65	505-525	16	400	312220A160CA	\$ 2,447.20
				20	500	312220A200CA	\$ 3,323.30
				24	600	312220A240CA	\$ 4,513.00
				30	750	312220A300CA	\$ 5,035.40
20B	500	20.70 - 21.45	526-545	16	400	312220B160CA	\$ 2,447.20
				20	500	312220B200CA	\$ 3,323.30
				24	600	312220B240CA	\$ 4,513.00
				30	750	312220B300CA	\$ 5,035.40

3122AS ALL STAINLESS DOUBLE PANEL

Nominal Pipe Size		Pipe OD Range		Width		Part Number	List Price
Inches	MM	Inches	MM	Inches	MM		
22A	550	21.52 - 22.27	547-566	16	400	312222A160CA	\$ 2,517.70
				20	500	312222A200CA	\$ 3,424.00
				24	600	312222A240CA	\$ 4,656.70
				30	750	312222A300CA	\$ 5,136.10
22B	550	22.12 - 22.87	562-581	16	400	312222B160CA	\$ 2,517.70
				20	500	312222B200CA	\$ 3,424.00
				24	600	312222B240CA	\$ 4,656.70
				30	750	312222B300CA	\$ 5,136.10
22C	550	22.90 - 23.65	582-601	16	400	312222C160CA	\$ 2,517.70
				20	500	312222C200CA	\$ 3,424.00
				24	600	312222C240CA	\$ 4,656.70
				30	750	312222C300CA	\$ 5,136.10

MANUFACTURERS RECOMMENDATIONS

- Clamp width should equal or exceed pipe diameter for higher working pressures.
- Repair Clamps are not recommended for use in joining plain end pressure pipe.
- Other sizes and widths not listed are readily available. Price on request.

Pipe OD Range = 0.80" (20mm) Pipe Sizes 3 through 6 inch are available in 6 inch Width and are priced the same as the 8 inch Width. See product 3132AS for Tapped Outlets.

HOW TO ORDER: Specify Model Number, Pipe Size with Letter Code, and Width. EXAMPLE: 10" Ductile Iron O.D. 11.10 with 12" Clamp Width. Order 3122AS - 10B x 12. **Part Number:** 312210B120CA .

NOTE 1: Clamps will not eliminate axial / lateral movement of pipe. Some type of pipe restraint or anchoring product must be used in these situations.

NOTE 2: When clamps are used on HDPE you must use spring washers. See HDPE products section.



COATING OPTION: Anti-Seizing/Galling protection. Available for both Alloy and SST application. Inquire with sales for cost and availability

3122AS HP ALL STAINLESS DOUBLE PANEL (FOR HIGH PRESSURE APPLICATIONS)**Exact Pipe OD must be provided with orders**

PANEL & LUGS: Type 304 (18-8) Stainless Steel per ASTM A240.

GASKET: SBR Chek-O-Seal with multi o-ring sealing ribs from 100% new rubber to ensure performance under varying pressures with superior storage characteristics. Suitable for mild acids, water and salt media with a temperature range of -25°F to +200°F per ASTM D2000. Other materials available.

ARMOR PLATE: Type 304 (18-8) Stainless Steel per ASTM A240, recessed and bonded to the gasket.

BOLTS & NUTS: Type 304 (18-8) Stainless Steel per ASTM A193 and A194.

NOTE: Hex nuts are furnished with fusion bonded coating to prevent seizing and/or galling.

WASHERS: Type 304 (18-8) Stainless Steel per ASTM A240.

END RINGS: Type 304 (18-8) Stainless Steel per ASTM A240.

MEETS AWWA C230



Nominal Pipe Size		Width		Part Number	List Price
Inches	MM	Inches	MM		
4	100	16	400	312204X160CA-HP	\$ 906.90
		20	500	312204X200CA-HP	\$ 1,209.30
		24	600	312204X240CA-HP	\$ 1,511.50
		30	750	312204X300CA-HP	\$ 1,778.30
6	150	16	400	312206X160CA-HP	\$ 922.50
		20	500	312106X200CA-HP	\$ 1,230.10
		24	600	312206X240CA-HP	\$ 1,537.60
		30	750	312206X300CA-HP	\$ 1,809.00
8	200	16	400	312208X160CA-HP	\$ 938.00
		20	500	312208X200CA-HP	\$ 1,250.60
		24	600	312208X240CA-HP	\$ 1,563.40
		30	750	312208X300CA-HP	\$ 1,839.10
10	250	16	400	312210X160CA-HP	\$ 1,082.30
		20	500	312210X200CA-HP	\$ 1,442.90
		24	600	312210X240CA-HP	\$ 1,803.60
		30	750	312210X300CA-HP	\$ 2,121.90
12	300	16	400	312212X160CA-HP	\$ 1,210.00
		20	500	312212X200CA-HP	\$ 1,613.40
		24	600	312212X240CA-HP	\$ 2,016.60
		30	750	312212X300CA-HP	\$ 2,372.50
14	350	16	400	312214X160CA-HP	\$ 1,428.10
		20	500	312214X200CA-HP	\$ 1,904.10
		24	600	312214X240CA-HP	\$ 2,380.10
		30	750	312214X300CA-HP	\$ 2,800.10

3122AS HP ALL STAINLESS DOUBLE PANEL (FOR HIGH PRESSURE APPLICATIONS)

Nominal Pipe Size		Width		Part Number	List Price
Inches	MM	Inches	MM		
16	400	16	400	312216X160CA-HP	\$ 1,711.90
		20	500	312206X200CA-HP	\$ 2,282.40
		24	600	312216X240CA-HP	\$ 2,853.00
		30	750	312216X300CA-HP	\$ 3,356.40
18	450	16	400	312218X160CA-HP	\$ 1,759.50
		20	500	312218X200CA-HP	\$ 2,428.30
		24	600	312218X240CA-HP	\$ 2,932.60
		30	750	312218X300CA-HP	\$ 3,450.10
20	500	16	400	312220X160CA-HP	\$ 1,807.10
		20	500	312220X200CA-HP	\$ 2,409.40
		24	600	312220X240CA-HP	\$ 3,011.60
		30	750	312220X300CA-HP	\$ 3,543.10
22	550	16	400	312222X160CA-HP	\$ 1,898.60
		20	500	312222X200CA-HP	\$ 2,531.60
		24	600	312222X240CA-HP	\$ 3,164.50
		30	750	312222X300CA-HP	\$ 3,722.90

MANUFACTURERS RECOMMENDATIONS

- Clamp width should equal or exceed pipe diameter for higher working pressures.
- Repair Clamps are not recommended for use in joining plain end pressure pipe.
- Other sizes and widths not listed are readily available. Price on request.

HOW TO ORDER: Specify Model Number, Pipe Size with Letter Code, and Width. EXAMPLE: 12" O.D. 13.20 with 16" Clamp Width. Order 3122AS HP - 12 x 16. **Part Number:** 312212X160CA-HP. See 3495AS for Tapped Outlets.

NOTE 1: Must provide exact pipe diameter, applicable pressure and a detailed description of the nature of the repair. This repair device is fabricated to fit an exact O.D. It has limited range capability.

NOTE 2: The working pressure of this clamp depends upon many variables, i.e., pipe diameter, clamp length, bolt torque, extent and type of damage (beam load break/blow out), surge pressures, service conditions, backfill, and installation workmanship. Please call our sales engineers with the specifics of your repair situation. Custom sizes and ranges available.

NOTE 3: When using this style of clamp on a repair involving a large damaged area or a hole please consult with factory about a SS spanner piece we recommend for use in these situations.

NOTE 4: Clamps will not eliminate axial / lateral movement of pipe. Some type of pipe restraint or anchoring product must be used in these situations.

NOTE 5: When clamps are used on HDPE you must use spring washers. See HDPE products section.

3123 IRON LUG TRIPLE PANEL

PANEL: Type 304 (18-8) Stainless Steel per ASTM A240.

GASKET: SBR Chek-O-Seal with multi o-ring sealing ribs from 100% new rubber to ensure performance under varying pressures with superior storage characteristics. Suitable for mild acids, water and salt media with a temperature range of -25°F to +200°F per ASTM D2000. Other materials available.

ARMOR PLATE: Type 304 (18-8) Stainless Steel per ASTM A240, recessed and bonded to the gasket.

BOLTS & NUTS: Low Alloy Steel per ASTM A325, ASTM A563, and AWWA C111. Optional Stainless Steel materials available with fusion bonded anti-galling coated nuts.

LUGS: Ductile Iron per ASTM A536.

MEETS AWWA C230



Nominal Pipe Size		Pipe OD Range		Width		Part Number	List Price
Inches	MM	Inches	MM	Inches	MM		
10A	250	11.04 - 12.24	280-311	16	400	312310A160AA-LB	\$ 626.20
				20	500	312310A200AA-LB	\$ 830.00
				24	600	312310A240AA-LB	\$ 1,041.20
				30	750	312310A300AA-LB	\$ 1,252.50
				36	900	312310A360AA-LB	\$ 1,508.20
				42	1100	312310A420AA-LB	\$ 1,817.10
				48	1200	312310A480AA-LB	\$ 2,177.50
12A	300	13.14 - 14.34	334-364	16	400	312312A160AA-LB	\$ 677.20
				20	500	312312A200AA-LB	\$ 901.20
				24	600	312312A240AA-LB	\$ 1,125.30
				30	750	312312A300AA-LB	\$ 1,349.30
				36	900	312312A360AA-LB	\$ 1,624.80
				42	1100	312312A420AA-LB	\$ 1,956.10
				48	1200	312312A480AA-LB	\$ 2,357.30
12B	300	13.65-14.85	347-377	16	400	312312B160AA-LB	\$ 677.20
				20	500	312312B200AA-LB	\$ 901.20
				24	600	312312B240AA-LB	\$ 1,125.30
				30	750	312312B300AA-LB	\$ 1,349.30
				36	900	312312B360AA-LB	\$ 1,624.80
				42	1100	312312B420AA-LB	\$ 1,956.10
				48	1200	312312B480AA-LB	\$ 2,357.30
14A	350	14.95 - 16.05	377-408	16	400	312314A160AA-LB	\$ 1,000.40
				20	500	312314A200AA-LB	\$ 1,354.60
				24	600	312314A240AA-LB	\$ 1,795.80
				30	750	312314A300AA-LB	\$ 2,236.80
				36	900	312314A360AA-LB	\$ 2,694.20
				42	1100	312314A420AA-LB	\$ 3,245.90
				48	1200	312314A480AA-LB	\$ 3,911.20
14B	350	15.92 - 17.12	404-435	16	400	312314B160AA-LB	\$ 1,000.40
				20	500	312314B200AA-LB	\$ 1,354.70
				24	600	312314B240AA-LB	\$ 1,795.80
				30	750	312314B300AA-LB	\$ 2,236.80
				36	900	312314B360AA-LB	\$ 2,694.20
				42	1100	312314B420AA-LB	\$ 3,245.90
				48	1200	312314B480AA-LB	\$ 3,911.20

3123 IRON LUG TRIPLE PANEL

Nominal Pipe Size		Pipe OD Range		Width		Part Number	List Price
Inches	MM	Inches	MM	Inches	MM		
16A	400	17.15 - 18.35	436-466	16	400	312316A160AA-LB	\$ 1,078.80
				20	500	312316A200AA-LB	\$ 1,460.80
				24	600	312316A240AA-LB	\$ 1,914.60
				30	750	312316A300AA-LB	\$ 2,367.50
				36	900	312316A360AA-LB	\$ 2,851.80
				42	1100	312316A420AA-LB	\$ 3,436.00
				48	1200	312316A480AA-LB	\$ 4,139.80
16B	400	18.46 - 19.66	469-499	16	400	312316B160AA-LB	\$ 1,078.80
				20	500	312316B200AA-LB	\$ 1,460.80
				24	600	312316B240AA-LB	\$ 1,914.60
				30	750	312316B300AA-LB	\$ 2,367.50
				36	900	312316B360AA-LB	\$ 2,851.80
				42	1100	312316B420AA-LB	\$ 3,436.00
				48	1200	312316B480AA-LB	\$ 4,139.80
18A	450	19.45 - 20.65	494-525	16	400	312318A160AA-LB	\$ 1,097.80
				20	500	312318A200AA-LB	\$ 1,485.80
				24	600	312318A240AA-LB	\$ 1,976.50
				30	750	312318A300AA-LB	\$ 2,465.80
				36	900	312318A360AA-LB	\$ 2,970.50
				42	1100	312318A420AA-LB	\$ 3,579.30
				48	1200	312318A480AA-LB	\$ 4,312.50
20A	500	21.52 - 22.72	547-577	16	400	312320A160AA-LB	\$ 1,116.70
				20	500	312320A200AA-LB	\$ 1,512.10
				24	600	312320A240AA-LB	\$ 2,039.30
				30	750	312320A300AA-LB	\$ 2,566.10
				36	900	312320A360AA-LB	\$ 3,091.00
				42	1100	312320A420AA-LB	\$ 3,724.10
				48	1200	312320A480AA-LB	\$ 4,486.90
22A	550	22.80 - 24.00	579-610	16	400	312322A160AA-LB	\$ 1,596.50
				20	500	312322A200AA-LB	\$ 2,164.60
				24	600	312322A240AA-LB	\$ 2,790.00
				30	750	312322A300AA-LB	\$ 3,413.40
				36	900	312322A360AA-LB	\$ 4,120.00
				42	1100	312322A420AA-LB	\$ 4,920.00
				48	1200	312322A480AA-LB	\$ 5,904.10
24A	600	23.28 - 24.48	591-622	16	400	312324A160AA-LB	\$ 2,077.40
				20	500	312324A200AA-LB	\$ 2,818.20
				24	600	312324A240AA-LB	\$ 3,541.40
				30	750	312324A300AA-LB	\$ 4,261.60
				36	900	312324A360AA-LB	\$ 5,133.10
				42	1100	312324A420AA-LB	\$ 6,185.70
				48	1200	312324A480AA-LB	\$ 7,452.60

3123 IRON LUG TRIPLE PANEL

Nominal Pipe Size		Pipe OD Range		Width		Part Number	List Price
Inches	MM	Inches	MM	Inches	MM		
24B	600	24.38 - 25.58	619-650	16	400	312324B160AA-LB	\$ 2,077.40
				20	500	312324B200AA-LB	\$ 2,818.20
				24	600	312324B240AA-LB	\$ 3,541.40
				30	750	312324B300AA-LB	\$ 4,261.60
				36	900	312324B360AA-LB	\$ 5,133.10
				42	1100	312324B420AA-LB	\$ 6,185.70
				48	1200	312324B480AA-LB	\$ 7,452.60
24C	600	25.70 - 26.90	653-683	16	400	312324C160AA-LB	\$ 2,077.40
				20	500	312324C200AA-LB	\$ 2,818.20
				24	600	312324C240AA-LB	\$ 3,541.40
				30	750	312324C300AA-LB	\$ 4,261.60
				36	900	312324C360AA-LB	\$ 5,133.10
				42	1100	312324C420AA-LB	\$ 6,185.70
				48	1200	312324C480AA-LB	\$ 7,452.60
24D	600	26.48 - 27.68	673-703	16	400	312324D160AA-LB	\$ 2,077.40
				20	500	312324D200AA-LB	\$ 2,818.20
				24	600	312324D240AA-LB	\$ 3,541.40
				30	750	312324D300AA-LB	\$ 4,261.60
				36	900	312324D360AA-LB	\$ 5,133.10
				42	1100	312324D420AA-LB	\$ 6,185.70
				48	1200	312324D480AA-LB	\$ 7,452.60
24E	600	27.65 - 28.85	702-733	16	400	312324E160AA-LB	\$ 2,077.40
				20	500	312324E200AA-LB	\$ 2,818.20
				24	600	312324E240AA-LB	\$ 3,541.40
				30	750	312324E300AA-LB	\$ 4,261.60
				36	900	312324E360AA-LB	\$ 5,133.10
				42	1100	312324E420AA-LB	\$ 6,185.70
				48	1200	312324E480AA-LB	\$ 7,452.60
24F	600	28.73 - 29.93	730-760	16	400	312324F160AA-LB	\$ 2,077.40
				20	500	312324F200AA-LB	\$ 2,818.20
				24	600	312324F240AA-LB	\$ 3,541.40
				30	750	312324F300AA-LB	\$ 4,261.60
				36	900	312324F360AA-LB	\$ 5,133.10
				42	1100	312324F420AA-LB	\$ 6,185.70
				48	1200	312324F480AA-LB	\$ 7,452.60
30A	750	29.62 - 30.82	752-783	16	400	312330A160AA-LB	\$ 2,596.00
				20	500	312330A200AA-LB	\$ 3,522.40
				24	600	312330A240AA-LB	\$ 4,426.40
				30	750	312330A300AA-LB	\$ 5,326.60
				36	900	312330A360AA-LB	\$ 6,416.90
				42	1100	312330A420AA-LB	\$ 7,732.10
				48	1200	312330A480AA-LB	\$ 9,315.80

3123 IRON LUG TRIPLE PANEL

Nominal Pipe Size		Pipe OD Range		Width		Part Number	List Price
Inches	MM	Inches	MM	Inches	MM		
30B	750	31.74 - 32.94	806-837	16	400	312330B160AA-LB	\$ 2,596.00
				20	500	312330B200AA-LB	\$ 3,522.40
				24	600	312330B240AA-LB	\$ 4,426.40
				30	750	312330B300AA-LB	\$ 5,326.60
				36	900	312330B360AA-LB	\$ 6,416.90
				42	1100	312330B420AA-LB	\$ 7,732.10
				48	1200	312330B480AA-LB	\$ 9,315.80
30C	750	32.40 - 33.60	823-853	16	400	312330C160AA-LB	\$ 2,596.00
				20	500	312330C200AA-LB	\$ 3,522.40
				24	600	312330C240AA-LB	\$ 4,426.40
				30	750	312330C300AA-LB	\$ 5,326.60
				36	900	312330C360AA-LB	\$ 6,416.90
				42	1100	312330C420AA-LB	\$ 7,732.10
				48	1200	312330C480AA-LB	\$ 9,315.80
36A	900	37.93-39.13	963-994	16	400	312336A160AA-LB	\$ 3,053.50
				20	500	312336A200AA-LB	\$ 4,143.70
				24	600	312336A240AA-LB	\$ 5,207.00
				30	750	312336A300AA-LB	\$ 6,266.30
				36	900	312336A360AA-LB	\$ 7,371.50
				42	1100	312336A420AA-LB	\$ 8,672.30
				48	1200	312336A480AA-LB	\$ 10,202.40
36B	900	38.54 - 39.74	979-1009	16	400	312336B160AA-LB	\$ 3,053.50
				20	500	312336B200AA-LB	\$ 4,143.70
				24	600	312336B240AA-LB	\$ 5,207.00
				30	750	312336B300AA-LB	\$ 6,266.30
				36	900	312336B360AA-LB	\$ 7,371.50
				42	1100	312336B420AA-LB	\$ 8,672.30
				48	1200	312336B480AA-LB	\$ 10,202.40
36C	900	39.16 - 40.36	995-1025	16	400	312336C160AA-LB	\$ 3,053.50
				20	500	312336C200AA-LB	\$ 4,143.70
				24	600	312336C240AA-LB	\$ 5,207.00
				30	750	312336C300AA-LB	\$ 6,266.30
				36	900	312336C360AA-LB	\$ 7,371.50
				42	1100	312336C420AA-LB	\$ 8,672.30
				48	1200	312336C480AA-LB	\$ 10,202.40
36D	900	39.55 - 40.75	1005-1035	16	400	312336D160AA-LB	\$ 3,053.50
				20	500	312336D200AA-LB	\$ 4,143.70
				24	600	312336D240AA-LB	\$ 5,207.00
				30	750	312336D300AA-LB	\$ 6,266.30
				36	900	312336D360AA-LB	\$ 7,371.50
				42	1100	312336D420AA-LB	\$ 8,672.30
				48	1200	312336D480AA-LB	\$ 10,202.40

3123 IRON LUG TRIPLE PANEL

Nominal Pipe Size		Pipe OD Range		Width		Part Number	List Price
Inches	MM	Inches	MM	Inches	MM		
48A	1200	50.10 - 51.30	1273-1303	16	400	312348A160AA-LB	\$ 3,592.00
				20	500	312348A200AA-LB	\$ 4,874.80
				24	600	312348A240AA-LB	\$ 6,125.70
				30	750	312348A300AA-LB	\$ 7,371.50
				36	900	312348A360AA-LB	\$ 8,881.30
				42	1100	312348A420AA-LB	\$ 10,448.70
				48	1200	312348A480AA-LB	\$ 12,292.50
48B	1200	50.72 - 51.92	1288-1319	16	400	312348B160AA-LB	\$ 3,592.00
				20	500	312348B200AA-LB	\$ 4,874.80
				24	600	312348B240AA-LB	\$ 6,125.70
				30	750	312348B300AA-LB	\$ 7,371.50
				36	900	312348B360AA-LB	\$ 8,881.30
				42	1100	312348B420AA-LB	\$ 10,448.70
				48	1200	312348B480AA-LB	\$ 12,292.50
48C	1200	51.34 - 52.54	1304-1335	16	400	312348C160AA-LB	\$ 3,592.00
				20	500	312348C200AA-LB	\$ 4,874.80
				24	600	312348C240AA-LB	\$ 6,125.70
				30	750	312348C300AA-LB	\$ 7,371.50
				36	900	312348C360AA-LB	\$ 8,881.30
				42	1100	312348C420AA-LB	\$ 10,448.70
				48	1200	312348C480AA-LB	\$ 12,292.50
48D	1200	51.72 - 52.92	1314-1344	16	400	312348D160AA-LB	\$ 3,592.00
				20	500	312348D200AA-LB	\$ 4,874.80
				24	600	312348D240AA-LB	\$ 6,125.70
				30	750	312348D300AA-LB	\$ 7,371.50
				36	900	312348D360AA-LB	\$ 8,881.30
				42	1100	312348D420AA-LB	\$ 10,448.70
				48	1200	312348D480AA-LB	\$ 12,292.50

MANUFACTURERS RECOMMENDATIONS

- Clamp width should equal or exceed pipe diameter for higher working pressures.
- Repair Clamps are not recommended for use in joining plain end pressure pipe.
- Other sizes and widths not listed are readily available. Price on request.

Pipe OD Range = 1.20" (30mm)

HOW TO ORDER: Specify Model Number, Pipe Size with Letter Code, and Width. EXAMPLE: 24" Cast Iron O.D. 25.80 with 36" Clamp Width. Order 3123 - 24C x 36. **Part Number:**312324C360AA-LB .

NOTE 1: Clamps will not eliminate axial / lateral movement of pipe.

NOTE 2: When clamps are used on HDPE you must use spring washers. See HDPE products section.

3123AS ALL STAINLESS TRIPLE PANEL

PANEL & LIFTER BAR: Type 304 (18-8) Stainless Steel per ASTM A240.

GASKET: SBR Chek-O-Seal with multi o-ring sealing ribs from 100% new rubber to ensure performance under varying pressures with superior storage characteristics. Suitable for mild acids, water and salt media with a temperature range of -25°F to +200°F per ASTM D2000. Other materials available.

ARMOR PLATE: Type 304 (18-8) Stainless Steel per ASTM A240, recessed and bonded to the gasket.

BOLTS & NUTS: Type 304 (18-8) Stainless Steel per ASTM A193 and A194. **NOTE:** Hex nuts are furnished with fusion bonded coating to prevent seizing galling.

LUGS: Type 304 (18-8) Stainless Steel per ASTM A240.

WASHERS: Delrin per ASTM D6778.

MEETS AWWA C230



Nominal Pipe Size		Pipe OD Range		Width		Part Number	List Price
Inches	MM	Inches	MM	Inches	MM		
10A	250	11.04 - 12.24	280-311	16	400	312310A160CA	\$ 660.80
				20	500	312310A200CA	\$ 875.90
				24	600	312310A240CA	\$ 1,098.80
				30	750	312310A300CA	\$ 1,321.80
				36	900	312310A360CA	\$ 1,591.60
				42	1100	312310A420CA	\$ 1,917.60
				48	1200	312310A480CA	\$ 2,297.90
12A	300	13.14 - 14.34	334-364	16	400	312312A160CA	\$ 714.60
				20	500	312312A200CA	\$ 951.00
				24	600	312312A240CA	\$ 1,187.50
				30	750	312312A300CA	\$ 1,423.90
				36	900	312312A360CA	\$ 1,714.60
				42	1100	312312A420CA	\$ 2,064.20
				48	1200	312312A480CA	\$ 2,487.60
12B	300	13.65 - 14.85	347-377	16	400	312312B160CA	\$ 714.60
				20	500	312312B200CA	\$ 951.00
				24	600	312312B240CA	\$ 1,187.50
				30	750	312312B300CA	\$ 1,423.90
				36	900	312312B360CA	\$ 1,714.60
				42	1100	312312B420CA	\$ 2,064.20
				48	1200	312312B480CA	\$ 2,487.60
14A	350	14.95 - 16.05	377-408	16	400	312314A160CA	\$ 1,055.70
				20	500	312314A200CA	\$ 1,429.50
				24	600	312314A240CA	\$ 1,895.00
				30	750	312314A300CA	\$ 2,360.40
				36	900	312314A360CA	\$ 2,843.20
				42	1100	312314A420CA	\$ 3,425.30
				48	1200	312314A480CA	\$ 4,127.40

3123AS ALL STAINLESS TRIPLE PANEL

Nominal Pipe Size		Pipe OD Range		Width		Part Number	List Price
Inches	MM	Inches	MM	Inches	MM		
14B	350	15.92 - 17.12	404-435	16	400	312314B160CA	\$ 1,055.70
				20	500	312314B200CA	\$ 1,429.50
				24	600	312314B240CA	\$ 1,895.00
				30	750	312314B300CA	\$ 2,360.40
				36	900	312314B360CA	\$ 2,843.20
				42	1100	312314B420CA	\$ 3,425.30
				48	1200	312314B480CA	\$ 4,127.40
16A	400	17.15 - 18.35	436-466	16	400	312316A160CA	\$ 1,138.40
				20	500	312316A200CA	\$ 1,541.50
				24	600	312316A240CA	\$ 2,020.40
				30	750	312316A300CA	\$ 2,498.30
				36	900	312316A360CA	\$ 3,009.50
				42	1100	312316A420CA	\$ 3,625.90
				48	1200	312316A480CA	\$ 4,368.60
16B	400	18.46 - 19.66	469-499	16	400	312316B160CA	\$ 1,138.40
				20	500	312316B200CA	\$ 1,541.50
				24	600	312316B240CA	\$ 2,020.40
				30	750	312316B300CA	\$ 2,498.30
				36	900	312316B360CA	\$ 3,009.50
				42	1100	312316B420CA	\$ 3,625.90
				48	1200	312316B480CA	\$ 4,368.60
18A	450	19.45 - 20.65	494-525	16	400	312318A160CA	\$ 1,158.40
				20	500	312318A200CA	\$ 1,567.90
				24	600	312318A240CA	\$ 2,085.80
				30	750	312318A300CA	\$ 2,602.10
				36	900	312318A360CA	\$ 3,134.70
				42	1100	312318A420CA	\$ 3,777.20
				48	1200	312318A480CA	\$ 4,550.90
20A	500	21.52 - 22.72	547-577	16	400	312320A160CA	\$ 1,178.50
				20	500	312320A200CA	\$ 1,595.70
				24	600	312320A240CA	\$ 2,152.00
				30	750	312320A300CA	\$ 2,707.90
				36	900	312320A360CA	\$ 3,261.90
				42	1100	312320A420CA	\$ 3,930.00
				48	1200	312320A480CA	\$ 4,734.90
22A	550	22.80 - 24.00	579-610	16	400	312322A160CA	\$ 1,684.70
				20	500	312322A200CA	\$ 2,284.20
				24	600	312322A240CA	\$ 2,944.20
				30	750	312322A300CA	\$ 3,602.10
				36	900	312322A360CA	\$ 4,260.10
				42	1100	312322A420CA	\$ 4,918.20
				48	1200	312322A480CA	\$ 5,576.10

3123AS ALL STAINLESS TRIPLE PANEL

Nominal Pipe Size		Pipe OD Range		Width		Part Number	List Price
Inches	MM	Inches	MM	Inches	MM		
24A	600	23.38 - 24.48	591-622	16	400	312324A160CA	\$ 2,192.20
				20	500	312324A200CA	\$ 2,973.90
				24	600	312324A240CA	\$ 3,737.10
				30	750	312324A300CA	\$ 4,497.00
				36	900	312324A360CA	\$ 5,416.80
				42	1100	312324A420CA	\$ 6,527.60
				48	1200	312324A480CA	\$ 7,864.50
24B	600	24.38 - 25.58	619-650	16	400	312324B160CA	\$ 2,192.20
				20	500	312324B200CA	\$ 2,973.90
				24	600	312324B240CA	\$ 3,737.10
				30	750	312324B300CA	\$ 4,497.00
				36	900	312324B360CA	\$ 5,416.80
				42	1100	312324B420CA	\$ 6,527.60
				48	1200	312324B480CA	\$ 7,864.50
24C	600	25.70 - 26.90	653-683	16	400	312324C160CA	\$ 2,192.20
				20	500	312324C200CA	\$ 2,973.90
				24	600	312324C240CA	\$ 3,737.10
				30	750	312324C300CA	\$ 4,497.00
				36	900	312324C360CA	\$ 5,416.80
				42	1100	312324C420CA	\$ 6,527.60
				48	1200	312324C480CA	\$ 7,864.50
24D	600	26.48 - 27.68	673-703	16	400	312324D160CA	\$ 2,192.20
				20	500	312324D200CA	\$ 2,973.90
				24	600	312324D240CA	\$ 3,737.10
				30	750	312324D300CA	\$ 4,497.00
				36	900	312324D360CA	\$ 5,416.80
				42	1100	312324D420CA	\$ 6,527.60
				48	1200	312324D480CA	\$ 7,864.50
24E	600	27.65 - 28.85	702-733	16	400	312324E160CA	\$ 2,192.20
				20	500	312324E200CA	\$ 2,973.90
				24	600	312324E240CA	\$ 3,737.10
				30	750	312324E300CA	\$ 4,497.00
				36	900	312324E360CA	\$ 5,416.80
				42	1100	312324E420CA	\$ 6,527.60
				48	1200	312324E480CA	\$ 7,864.50
24F	600m	28.73 - 29.93	730-760	16	400	312324F160CA	\$ 2,192.20
				20	500	312324F200CA	\$ 2,973.90
				24	600	312324F240CA	\$ 3,737.10
				30	750	312324F300CA	\$ 4,497.00
				36	900	312324F360CA	\$ 5,416.80
				42	1100	312324F420CA	\$ 6,527.60
				48	1200	312324F480CA	\$ 7,864.50

3123AS ALL STAINLESS TRIPLE PANEL

Nominal Pipe Size		Pipe OD Range		Width		Part Number	List Price
Inches	MM	Inches	MM	Inches	MM		
30A	750	29.62 - 30.82	752-783	16	400	312330A160CA	\$ 2,739.50
				20	500	312330A200CA	\$ 3,717.10
				24	600	312330A240CA	\$ 4,671.00
				30	750	312330A300CA	\$ 5,621.00
				36	900	312330A360CA	\$ 6,771.60
				42	1100	312330A420CA	\$ 8,159.40
				48	1200	312330A480CA	\$ 9,830.70
30B	750	31.74-32.94	806-837	16	400	312330B160CA	\$ 2,739.50
				20	500	312330B200CA	\$ 3,717.10
				24	600	312330B240CA	\$ 4,671.00
				30	750	312330B300CA	\$ 5,621.00
				36	900	312330B360CA	\$ 6,771.60
				42	1100	312330B420CA	\$ 8,159.40
				48	1200	312330B480CA	\$ 9,830.70
30C	750	32.40 - 33.60	823-853	16	400	312330C160CA	\$ 2,739.50
				20	500	312330C200CA	\$ 3,717.10
				24	600	312330C240CA	\$ 4,671.00
				30	750	312330C300CA	\$ 5,621.00
				36	900	312330C360CA	\$ 6,771.60
				42	1100	312330C420CA	\$ 8,159.40
				48	1200	312330C480CA	\$ 9,830.70
36A	900	37.93 - 39.13	963-994	16	400	312336A160CA	\$ 3,222.30
				20	500	312336A200CA	\$ 4,372.80
				24	600	312336A240CA	\$ 5,494.70
				30	750	312336A300CA	\$ 6,612.60
				36	900	312336A360CA	\$ 7,779.00
				42	1100	312336A420CA	\$ 9,151.60
				48	1200	312336A480CA	\$ 10,766.30
36B	900	38.54 - 39.74	979-1009	16	400	312336B160CA	\$ 3,222.30
				20	500	312336B200CA	\$ 4,372.80
				24	600	312336B240CA	\$ 5,494.70
				30	750	312336B300CA	\$ 6,612.60
				36	900	312336B360CA	\$ 7,779.00
				42	1100	312336B420CA	\$ 9,151.60
				48	1200	312336B480CA	\$ 10,766.30
36C	900	39.16 - 40.36	995-1025	16	400	312336C160CA	\$ 3,222.30
				20	500	312336C200CA	\$ 4,372.80
				24	600	312336C240CA	\$ 5,494.70
				30	750	312336C300CA	\$ 6,612.60
				36	900	312336C360CA	\$ 7,779.00
				42	1100	312336C420CA	\$ 9,151.60
				48	1200	312336C480CA	\$ 10,766.30

3123AS ALL STAINLESS TRIPLE PANEL

Nominal Pipe Size		Pipe OD Range		Width		Part Number	List Price
Inches	MM	Inches	MM	Inches	MM		
36D	900	39.55 - 40.75	1005-1035	16	400	312336D160CA	\$ 3,222.30
				20	500	312336D200CA	\$ 4,372.80
				24	600	312336D240CA	\$ 5,494.70
				30	750	312336D300CA	\$ 6,612.60
				36	900	312336D360CA	\$ 7,779.00
				42	1100	312336D420CA	\$ 9,151.60
				48	1200	312336D480CA	\$ 10,766.30
48A	1200	50.10 - 51.30	1273-1303	16	400	312348A160CA	\$ 3,790.50
				20	500	312348A200CA	\$ 5,144.20
				24	600	312348A240CA	\$ 6,464.20
				30	750	312348A300CA	\$ 7,779.00
				36	900	312348A360CA	\$ 9,372.20
				42	1100	312348A420CA	\$ 11,026.20
				48	1200	312348A480CA	\$ 12,971.90
48B	1200	50.72 - 51.92	1288-1319	16	400	312348B160CA	\$ 3,790.50
				20	500	312348B200CA	\$ 5,144.20
				24	600	312348B240CA	\$ 6,464.20
				30	750	312348B300CA	\$ 7,779.00
				36	900	312348B360CA	\$ 9,372.20
				42	1100	312348B420CA	\$ 11,026.20
				48	1200	312348B480CA	\$ 12,971.90
48C	1200	51.34 - 52.54	1304-1335	16	400	312348C160CA	\$ 3,790.50
				20	500	312348C200CA	\$ 5,144.20
				24	600	312348C240CA	\$ 6,464.20
				30	750	312348C300CA	\$ 7,779.00
				36	900	312348C360CA	\$ 9,372.20
				42	1100	312348C420CA	\$ 11,026.20
				48	1200	312348C480CA	\$ 12,971.90
48D	1200	51.72 - 52.92	1314-1344	16	400	312348D160CA	\$ 3,790.50
				20	500	312348D200CA	\$ 5,144.20
				24	600	312348D240CA	\$ 6,464.20
				30	750	312348D300CA	\$ 7,779.00
				36	900	312348D360CA	\$ 9,372.20
				42	1100	312348D420CA	\$ 11,026.20
				48	1200	312348D480CA	\$ 12,971.90

MANUFACTURERS RECOMMENDATIONS

- Clamp width should equal or exceed pipe diameter for higher working pressures.
- Repair Clamps are not recommended for use in joining plain end pressure pipe.
- Other sizes and widths not listed are readily available. Price on request.

Pipe OD Range = 1.20" (30mm)

HOW TO ORDER: Specify Model Number, Pipe Size with Letter Code, and Width. EXAMPLE: 24" O.D. 25.80 with 36" Clamp Width. Order 3123 - 24C x 36. **Part Number:** 312324C360CA .

NOTE 1: Clamps will not eliminate axial / lateral movement of pipe. Some type of pipe restraint or anchoring product must be used in these situations.

NOTE 2: When clamps are used on HDPE you must use spring washers. See HDPE products section.

3131 IRON LUG SINGLE PANEL TAPPED REPAIR CLAMP (SMALL OUTLETS)

PANEL: Type 304 (18-8) Stainless Steel per ASTM A240.

GASKET: SBR Chek-O-Seal with multi o-ring sealing ribs from 100% new rubber to ensure performance under varying pressures with superior storage characteristics. Suitable for mild acids, water and salt media with a temperature range of -25°F to +200°F per ASTM D2000 . Other materials available.

ARMOR PLATE: Type 304 (18-8) Stainless Steel per ASTM A240, recessed and bonded to the gasket.

BOLTS & NUTS: Low Alloy Steel per ASTM A325, ASTM A563, and AWWA C111.

LUGS: Ductile Iron per ASTM A536.

OUTLET: Type 304 (18-8) Stainless Steel per ASTM A276.



Nominal Pipe Size		Pipe OD Range		Width		Outlet Size & Part Number				Price List
Inches	MM	Inches	MM	Inches	MM	3/4 CC	3/4 NPT	1 CC	1 NPT	
2	50	2.35 - 2.63	60 - 67	8	200	3131020080AB	3131020080AC	3131020080AD	3131020080AE	\$ 161.90
				10	250	3131020100AB	3131020100AC	3131020100AD	3131020100AE	\$ 211.70
				12	300	3131020120AB	3131020120AC	3131020120AD	3131020120AE	\$ 239.00
				16	400	3131020160AB	3131020160AC	3131020160AD	3131020160AE	\$ 266.20
2 1/2	63	2.70 - 3.00	69 - 77	8	200	3131025080AB	3131025080AC	3131025080AD	3131025080AE	\$ 170.30
				10	250	3131025100AB	3131025100AC	3131025100AD	3131025100AE	\$ 221.70
				12	300	3131025120AB	3131025120AC	3131025120AD	3131025120AE	\$ 250.20
				16	400	3131025160AB	3131025160AC	3131025160AD	3131025160AE	\$ 278.70
3A	75	2.97 - 3.25	75 - 83	8	200	313103A080AB	313103A080AC	313103A080AD	313103A080AE	\$ 180.30
				10	250	313103A100AB	313103A100AC	313103A100AD	313103A100AE	\$ 228.90
				12	300	313103A120AB	313103A120AC	313103A120AD	313103A120AE	\$ 257.40
				16	400	313103A160AB	313103A160AC	313103A160AD	313103A160AE	\$ 293.70
3B	75	3.46 - 3.70	88 - 94	8	200	313103B080AB	313103B080AC	313103B080AD	313103B080AE	\$ 183.20
				10	250	313103B100AB	313103B100AC	313103B100AD	313103B100AE	\$ 234.70
				12	300	313103B120AB	313103B120AC	313103B120AD	313103B120AE	\$ 263.00
				16	400	313103B160AB	313103B160AC	313103B160AD	313103B160AE	\$ 301.20
3C	75	3.73 - 4.00	95 - 102	8	200	313103C080AB	313103C080AC	313103C080AD	313103C080AE	\$ 187.50
				10	250	313103C100AB	313103C100AC	313103C100AD	313103C100AE	\$ 240.30
				12	300	313103C120AB	313103C120AC	313103C120AD	313103C120AE	\$ 274.20
				16	400	313103C160AB	313103C160AC	313103C160AD	313103C160AE	\$ 308.60
3D	75	3.96 - 4.25	101 - 108	8	200	313103D080AB	313103D080AC	313103D080AD	313103D080AE	\$ 187.50
				10	250	313103D100AB	313103D100AC	313103D100AD	313103D100AE	\$ 240.30
				12	300	313103D120AB	313103D120AC	313103D120AD	313103D120AE	\$ 274.20
				16	400	313103D160AB	313103D160AC	313103D160AD	313103D160AE	\$ 308.60
4A	100	4.45 - 4.73	113-120	8	200	313104A080AB	313104A080AC	313104A080AD	313104A080AE	\$ 191.90
				10	250	313104A100AB	313104A100AC	313104A100AD	313104A100AE	\$ 243.20
				12	300	313104A120AB	313104A120AC	313104A120AD	313104A120AE	\$ 280.20
				16	400	313104A160AB	313104A160AC	313104A160AD	313104A160AE	\$ 316.20

3131 IRON LUG SINGLE PANEL TAPPED REPAIR CLAMP (SMALL OUTLETS)

Nominal Pipe Size		Pipe OD Range		Width		Outlet Size & Part Number				Price List
Inches	MM	Inches	MM	Inches	MM	3/4 CC	3/4 NPT	1 CC	1 NPT	
4B	100	4.74 - 5.14	120 - 131	8	200	313104B080AB	313104B080AC	313104B080AD	313104B080AE	\$ 196.40
				10	250	313104B100AB	313104B100AC	313104B100AD	313104B100AE	\$ 242.40
				12	300	313104B120AB	313104B120AC	313104B120AD	313104B120AE	\$ 281.20
				16	400	313104B160AB	313104B160AC	313104B160AD	313104B160AE	\$ 326.20
4C	100	4.95 - 5.35	126 - 136	8	200	313104C080AB	313104C080AC	313104C080AD	313104C080AE	\$ 196.40
				10	250	313104C100AB	313104C100AC	313104C100AD	313104C100AE	\$ 242.40
				12	300	313104C120AB	313104C120AC	313104C120AD	313104C120AE	\$ 281.30
				16	400	313104C160AB	313104C160AC	313104C160AD	313104C160AE	\$ 326.20
4D	100	5.22 - 5.62	133 - 143	8	200	313104D080AB	313104D080AC	313104D080AD	313104D080AE	\$ 196.40
				10	250	313104D100AB	313104D100AC	313104D100AD	313104D100AE	\$ 242.40
				12	300	313104D120AB	313104D120AC	313104D120AD	313104D120AE	\$ 281.30
				16	400	313104D160AB	313104D160AC	313104D160AD	313104D160AE	\$ 326.20
6A	150	5.95 - 6.35	151 - 161	8	200	313106A080AB	313106A080AC	313106A080AD	313106A080AE	\$ 217.00
				10	250	313106A100AB	313106A100AC	313106A100AD	313106A100AE	\$ 274.90
				12	300	313106A120AB	313106A120AC	313106A120AD	313106A120AE	\$ 310.70
				16	400	313106A160AB	313106A160AC	313106A160AD	313106A160AE	\$ 341.70
6B	150	6.56 - 6.96	167 - 177	8	200	313106B080AB	313106B080AC	313106B080AD	313106B080AE	\$ 220.30
				10	250	313106B100AB	313106B100AC	313106B100AD	313106B100AE	\$ 276.20
				12	300	313106B120AB	313106B120AC	313106B120AD	313106B120AE	\$ 314.30
				16	400	313106B160AB	313106B160AC	313106B160AD	313106B160AE	\$ 355.00
6C	150	6.84 - 7.24	174 - 184	8	200	313106C080AB	313106C080AC	313106C080AD	313106C080AE	\$ 220.30
				10	250	313106C100AB	313106C100AC	313106C100AD	313106C100AE	\$ 276.20
				12	300	313106C120AB	313106C120AC	313106C120AD	313106C120AE	\$ 314.30
				16	400	313106C160AB	313106C160AC	313106C160AD	313106C160AE	\$ 355.00
6D	150	7.05 - 7.45	179 - 189	8	200	313106D080AB	313106D080AC	313106D080AD	313106D080AE	\$ 220.30
				10	250	313106D100AB	313106D100AC	313106D100AD	313106D100AE	\$ 276.20
				12	300	313106D120AB	313106D120AC	313106D120AD	313106D120AE	\$ 314.30
				16	400	313106D160AB	313106D160AC	313106D160AD	313106D160AE	\$ 355.00
6E	150	7.45 - 7.85	189 - 199	8	200	313106E080AB	313106E080AC	313106E080AD	313106E080AE	\$ 220.30
				10	250	313106E100AB	313106E100AC	313106E100AD	313106E100AE	\$ 276.20
				12	300	313106E120AB	313106E120AC	313106E120AD	313106E120AE	\$ 314.30
				16	400	313106E160AB	313106E160AC	313106E160AD	313106E160AE	\$ 355.00
8A	200	7.95 - 8.35	202 - 212	8	200	313108A080AB	313108A080AC	313108A080AD	313108A080AE	\$ 245.30
				10	250	313108A100AB	313108A100AC	313108A100AD	313108A100AE	\$ 308.30
				12	300	313108A120AB	313108A120AC	313108A120AD	313108A120AE	\$ 355.00
				16	400	313108A160AB	313108A160AC	313108A160AD	313108A160AE	\$ 411.20
8B	200	8.54 - 8.94	217 - 227	8	200	313108B080AB	313108B080AC	313108B080AD	313108B080AE	\$ 251.10
				10	250	313108B100AB	313108B100AC	313108B100AD	313108B100AE	\$ 311.70
				12	300	313108B120AB	313108B120AC	313108B120AD	313108B120AE	\$ 363.90
				16	400	313108B160AB	313108B160AC	313108B160AD	313108B160AE	\$ 421.50

3131 IRON LUG SINGLE PANEL TAPPED REPAIR CLAMP (SMALL OUTLETS)

Nominal Pipe Size		Pipe OD Range		Width		Outlet Size & Part Number				Price List
Inches	MM	Inches	MM	Inches	MM	3/4 CC	3/4 NPT	1 CC	1 NPT	
8C	200	8.99 - 9.39	228 - 239	8	200	313108C080AB	313108C080AC	313108C080AD	313108C080AE	\$ 251.10
				10	250	313108C100AB	313108C100AC	313108C100AD	313108C100AE	\$ 311.70
				12	300	313108C120AB	313108C120AC	313108C120AD	313108C120AE	\$ 363.90
				16	400	313108C160AB	313108C160AC	313108C160AD	313108C160AE	\$ 421.50
8D	200	9.27 - 9.67	235 - 246	8	200	313108D080AB	313108D080AC	313108D080AD	313108D080AE	\$ 251.10
				10	250	313108D100AB	313108D100AC	313108D100AD	313108D100AE	\$ 311.70
				12	300	313108D120AB	313108D120AC	313108D120AD	313108D120AE	\$ 363.90
				16	400	313108D160AB	313108D160AC	313108D160AD	313108D160AE	\$ 421.50
10A	250	9.70 - 10.10	246 - 257	8	200	313110A080AB	313110A080AC	313110A080AD	313110A080AE	\$ 287.00
				10	250	313110A100AB	313110A100AC	313110A100AD	313110A100AE	\$ 362.30
				12	300	313110A120AB	313110A120AC	313110A120AD	313110A120AE	\$ 411.00
				16	400	313110A160AB	313110A160AC	313110A160AD	313110A160AE	\$ 508.00
10B	250	10.64 - 11.04	270 - 280	8	200	313110B080AB	313110B080AC	313110B080AD	313110B080AE	\$ 291.80
				10	250	313110B100AB	313110B100AC	313110B100AD	313110B100AE	\$ 372.00
				12	300	313110B120AB	313110B120AC	313110B120AD	313110B120AE	\$ 418.20
				16	400	313110B160AB	313110B160AC	313110B160AD	313110B160AE	\$ 510.50
10C	250	11.04 - 11.44	280 - 291	8	200	313110C080AB	313110C080AC	313110C080AD	313110C080AE	\$ 291.80
				10	250	313110C100AB	313110C100AC	313110C100AD	313110C100AE	\$ 372.00
				12	300	313110C120AB	313110C120AC	313110C120AD	313110C120AE	\$ 418.20
				16	400	313110C160AB	313110C160AC	313110C160AD	313110C160AE	\$ 510.50
10D	250	11.34 - 11.74	288 - 298	8	200	313110D080AB	313110D080AC	313110D080AD	313110D080AE	\$ 291.80
				10	250	313110D100AB	313110D100AC	313110D100AD	313110D100AE	\$ 372.00
				12	300	313110D120AB	313110D120AC	313110D120AD	313110D120AE	\$ 418.20
				16	400	313110D160AB	313110D160AC	313110D160AD	313110D160AE	\$ 510.50
10E	250	11.75 - 12.15	298 - 309	8	200	313110E080AB	313110E080AC	313110E080AD	313110E080AE	\$ 291.80
				10	250	313110E100AB	313110E100AC	313110E100AD	313110E100AE	\$ 372.00
				12	300	313110E120AB	313110E120AC	313110E120AD	313110E120AE	\$ 418.20
				16	400	313110E160AB	313110E160AC	313110E160AD	313110E160AE	\$ 510.50
12A	300	12.00 - 12.40	305 - 315	8	200	313112A080AB	313112A080AC	313112A080AD	313112A080AE	\$ 313.70
				10	250	313112A100AB	313112A100AC	313112A100AD	313112A100AE	\$ 391.50
				12	300	313112A120AB	313112A120AC	313112A120AD	313112A120AE	\$ 472.30
				16	400	313112A160AB	313112A160AC	313112A160AD	313112A160AE	\$ 564.00
12B	300	12.62 - 13.02	321 - 331	8	200	313112B080AB	313112B080AC	313112B080AD	313112B080AE	\$ 321.00
				10	250	313112B100AB	313112B100AC	313112B100AD	313112B100AE	\$ 406.00
				12	300	313112B120AB	313112B120AC	313112B120AD	313112B120AE	\$ 478.00
				16	400	313112B160AB	313112B160AC	313112B160AD	313112B160AE	\$ 578.60

3131 IRON LUG SINGLE PANEL TAPPED REPAIR CLAMP (SMALL OUTLETS)

Nominal Pipe Size		Pipe OD Range		Width		Outlet Size & Part Number				Price List
Inches	MM	Inches	MM	Inches	MM	3/4 CC	3/4 NPT	1 CC	1 NPT	
12C	300	13.10 - 13.50	333 - 343	8	200	313112C080AB	313112C080AC	313112C080AD	313112C080AE	\$ 321.00
				10	250	313112C100AB	313112C100AC	313112C100AD	313112C100AE	\$ 406.00
				12	300	313112C120AB	313112C120AC	313112C120AD	313112C120AE	\$ 478.00
				16	400	313112C160AB	313112C160AC	313112C160AD	313112C160AE	\$ 578.60
12D	300	13.40 - 13.80	340 - 351	8	200	313112D080AB	313112D080AC	313112D080AD	313112D080AE	\$ 321.00
				10	250	313112D100AB	313112D100AC	313112D100AD	313112D100AE	\$ 406.00
				12	300	313112D120AB	313112D120AC	313112D120AD	313112D120AE	\$ 478.00
				16	400	313112D160AB	313112D160AC	313112D160AD	313112D160AE	\$ 578.60
12E	300	13.70 - 14.10	348 - 358	8	200	313112E080AB	313112E080AC	313112E080AD	313112E080AE	\$ 321.00
				10	250	313112E100AB	313112E100AC	313112E100AD	313112E100AE	\$ 406.00
				12	300	313112E120AB	313112E120AC	313112E120AD	313112E120AE	\$ 478.00
				16	400	313112E160AB	313112E160AC	313112E160AD	313112E160AE	\$ 578.60
12F	300	14.00 - 14.40	356 - 366	8	200	313112F080AB	313112F080AC	313112F080AD	313112F080AE	\$ 321.00
				10	250	313112F100AB	313112F100AC	313112F100AD	313112F100AE	\$ 406.00
				12	300	313112F120AB	313112F120AC	313112F120AD	313112F120AE	\$ 478.00
				16	400	313112F160AB	313112F160AC	313112F160AD	313112F160AE	\$ 578.60

HOW TO ORDER: Choose nominal pipe size, width and outlet size with thread configuration. EXAMPLE: 6" DIP O.D. 6.90, 10" wide with a 3/4" NPT outlet. Order 3131- 6C x 10 X 3/4 NPT. **Part Number:** 313106C100AC.



COATING OPTION: Anti-Seizing/Galling protection. Available for both Alloy and SST application. Inquire with sales for cost and availability

3131 IRON LUG SINGLE PANEL TAPPED REPAIR CLAMP (LARGE OUTLETS)

PANEL: Type 304 (18-8) Stainless Steel per ASTM A240.

GASKET: SBR Chek-O-Seal with multi o-ring sealing ribs from 100% new rubber to ensure performance under varying pressures with superior storage characteristics. Suitable for mild acids, water and salt media with a temperature range of -25°F to +200°F per ASTM D2000 . Other materials available.

ARMOR PLATE: Type 304 (18-8) Stainless Steel per ASTM A240, recessed and bonded to the gasket.

BOLTS & NUTS: Low Alloy Steel per ASTM A325, ASTM A563, and AWWA C111.

LUGS: Ductile Iron per ASTM A536.

OUTLET: Type 304 (18-8) Stainless Steel per ASTM A276.



Nominal Pipe Size		Pipe OD Range		Width		Outlet Size & Part Number				Price List
Inches	MM	Inches	MM	Inches	MM	1 1/4" NPT	1 1/2" NPT	1 1/4" CC	1 1/2" CC	
4A	100	4.45 - 4.73	113- 120	8	200	313104A080AG	313104A080AI	313104A080AF	313104A080AH	\$ 213.00
				10	250	313104A100AG	313104A100AI	313104A100AF	313104A100AH	\$ 264.30
				12	300	313104A120AG	313104A120AI	313104A120AF	313104A120AH	\$ 301.40
				16	400	313104A160AG	313104A160AI	313104A160AF	313104A160AH	\$ 337.40
4B	100	4.74 - 5.14	120- 131	8	200	313104B080AG	313104B080AI	313104B080AF	313104B080AH	\$ 217.50
				10	250	313104B100AG	313104B100AI	313104B100AF	313104B100AH	\$ 263.50
				12	300	313104B120AG	313104B120AI	313104B120AF	313104B120AH	\$ 302.40
				16	400	313104B160AG	313104B160AI	313104B160AF	313104B160AH	\$ 347.30
4C	100	4.95 - 5.35	126 - 136	8	200	313104C080AG	313104C080AI	313104C080AF	313104C080AH	\$ 217.50
				10	250	313104C100AG	313104C100AI	313104C100AF	313104C100AH	\$ 263.50
				12	300	313104C120AG	313104C120AI	313104C120AF	313104C120AH	\$ 302.40
				16	400	313104C160AG	313104C160AI	313104C160AF	313104C160AH	\$ 347.30
4D	100	5.22 - 5.62	133 - 143	8	200	313104D080AG	313104D080AI	313104D080AF	313104D080AH	\$ 217.50
				10	250	313104D100AG	313104D100AI	313104D100AF	313104D100AH	\$ 263.50
				12	300	313104D120AG	313104D120AI	313104D120AF	313104D120AH	\$ 302.40
				16	400	313104D160AG	313104D160AI	313104D160AF	313104D160AH	\$ 347.30
6A	150	5.95 - 6.35	151 - 161	8	200	313106A080AG	313106A080AI	313106A080AF	313106A080AH	\$ 238.10
				10	250	313106A100AG	313106A100AI	313106A100AF	313106A100AH	\$ 296.00
				12	300	313106A120AG	313106A120AI	313106A120AF	313106A120AH	\$ 331.90
				16	400	313106A160AG	313106A160AI	313106A160AF	313106A160AH	\$ 362.90
6B	150	6.56 - 6.96	167 - 177	8	200	313106B080AG	313106B080AI	313106B080AF	313106B080AH	\$ 241.50
				10	250	313106B100AG	313106B100AI	313106B100AF	313106B100AH	\$ 297.40
				12	300	313106B120AG	313106B120AI	313106B120AF	313106B120AH	\$ 335.50
				16	400	313106B160AG	313106B160AI	313106B160AF	313106B160AH	\$ 376.10
6C	150	6.84 - 7.24	174 - 184	8	200	313106C080AG	313106C080AI	313106C080AF	313106C080AH	\$ 241.50
				10	250	313106C100AG	313106C100AI	313106C100AF	313106C100AH	\$ 297.40
				12	300	313106C120AG	313106C120AI	313106C120AF	313106C120AH	\$ 335.50
				16	400	313106C160AG	313106C160AI	313106C160AF	313106C160AH	\$ 376.10

3131 IRON LUG SINGLE PANEL TAPPED REPAIR CLAMP (LARGE OUTLETS)

Nominal Pipe Size		Pipe OD Range		Width		Outlet Size & Part Number				Price List
Inches	MM	Inches	MM	Inches	MM	1 1/4" NPT	1 1/2" NPT	1 1/4" CC	1 1/2" CC	
6D	150	7.05 - 7.45	179 - 189	8	200	313106D080AG	313106D080AI	313106D080AF	313106D080AH	\$ 241.50
				10	250	313106D100AG	313106D100AI	313106D100AF	313106D100AH	\$ 297.40
				12	300	313106D120AG	313106D120AI	313106D120AF	313106D120AH	\$ 335.50
				16	400	313106D160AG	313106D160AI	313106D160AF	313106D160AH	\$ 376.10
6E	150	7.45 - 7.85	189 - 199	8	200	313106E080AG	313106E080AI	313106E080AF	313106E080AH	\$ 241.50
				10	250	313106E100AG	313106E100AI	313106E100AF	313106E100AH	\$ 297.40
				12	300	313106E120AG	313106E120AI	313106E120AF	313106E120AH	\$ 335.50
				16	400	313106E160AG	313106E160AI	313106E160AF	313106E160AH	\$ 376.10
8A	200	7.95 - 8.35	202 - 212	8	200	313108A080AG	313108A080AI	313108A080AF	313108A080AH	\$ 266.50
				10	250	313108A100AG	313108A100AI	313108A100AF	313108A100AH	\$ 329.50
				12	300	313108A120AG	313108A120AI	313108A120AF	313108A120AH	\$ 376.20
				16	400	313108A160AG	313108A160AI	313108A160AF	313108A160AH	\$ 432.30
8B	200	8.54 - 8.94	217 - 227	8	200	313108B080AG	313108B080AI	313108B080AF	313108B080AH	\$ 272.30
				10	250	313108B100AG	313108B100AI	313108B100AF	313108B100AH	\$ 332.90
				12	300	313108B120AG	313108B120AI	313108B120AF	313108B120AH	\$ 385.00
				16	400	313108B160AG	313108B160AI	313108B160AF	313108B160AH	\$ 442.70
8C	200	8.99 - 9.39	228 - 239	8	200	313108C080AG	313108C080AI	313108C080AF	313108C080AH	\$ 272.30
				10	250	313108C100AG	313108C100AI	313108C100AF	313108C100AH	\$ 332.90
				12	300	313108C120AG	313108C120AI	313108C120AF	313108C120AH	\$ 385.00
				16	400	313108C160AG	313108C160AI	313108C160AF	313108C160AH	\$ 442.70
8D	200	9.27 - 9.67	235 - 246	8	200	313108D080AG	313108D080AI	313108D080AF	313108D080AH	\$ 272.30
				10	250	313108D100AG	313108D100AI	313108D100AF	313108D100AH	\$ 332.90
				12	300	313108D120AG	313108D120AI	313108D120AF	313108D120AH	\$ 385.00
				16	400	313108D160AG	313108D160AI	313108D160AF	313108D160AH	\$ 442.70
10A	250	9.70 - 10.10	246 - 257	8	200	313110A080AG	313110A080AI	313110A080AF	313110A080AH	\$ 308.20
				10	250	313110A100AG	313110A100AI	313110A100AF	313110A100AH	\$ 383.50
				12	300	313110A120AG	313110A120AI	313110A120AF	313110A120AH	\$ 432.10
				16	400	313110A160AG	313110A160AI	313110A160AF	313110A160AH	\$ 529.20
10B	250	10.64 - 11.04	270 - 280	8	200	313110B080AG	313110B080AI	313110B080AF	313110B080AH	\$ 313.00
				10	250	313110B100AG	313110B100AI	313110B100AF	313110B100AH	\$ 393.20
				12	300	313110B120AG	313110B120AI	313110B120AF	313110B120AH	\$ 439.30
				16	400	313110B160AG	313110B160AI	313110B160AF	313110B160AH	\$ 531.70
10C	250	11.04 - 11.44	280 - 291	8	200	313110C080AG	313110C080AI	313110C080AF	313110C080AH	\$ 313.00
				10	250	313110C100AG	313110C100AI	313110C100AF	313110C100AH	\$ 393.20
				12	300	313110C120AG	313110C120AI	313110C120AF	313110C120AH	\$ 439.30
				16	400	313110C160AG	313110C160AI	313110C160AF	313110C160AH	\$ 531.70
10D	250	11.34 - 11.74	288 - 298	8	200	313110D080AG	313110D080AI	313110D080AF	313110D080AH	\$ 313.00
				10	250	313110D100AG	313110D100AI	313110D100AF	313110D100AH	\$ 393.20
				12	300	313110D120AG	313110D120AI	313110D120AF	313110D120AH	\$ 439.30
				16	400	313110D160AG	313110D160AI	313110D160AF	313110D160AH	\$ 531.70

3131 IRON LUG SINGLE PANEL TAPPED REPAIR CLAMP (LARGE OUTLETS)

Nominal Pipe Size		Pipe OD Range		Width		Outlet Size & Part Number				Price List
Inches	MM	Inches	MM	Inches	MM	1 1/4" NPT	1 1/2" NPT	1 1/4" CC	1 1/2" CC	
10E	250	11.75 - 12.15	298 - 309	8	200	313110E080AG	313110E080AI	313110E080AF	313110E080AH	\$ 313.00
				10	250	313110E100AG	313110E100AI	313110E100AF	313110E100AH	\$ 393.20
				12	300	313110E120AG	313110E120AI	313110E120AF	313110E120AH	\$ 439.30
				16	400	313110E160AG	313110E160AI	313110E160AF	313110E160AH	\$ 531.70
12A	300	12.00 - 12.40	305 - 315	8	200	313112A080AG	313112A080AI	313112A080AF	313112A080AH	\$ 334.90
				10	250	313112A100AG	313112A100AI	313112A100AF	313112A100AH	\$ 412.60
				12	300	313112A120AG	313112A120AI	313112A120AF	313112A120AH	\$ 493.50
				16	400	313112A160AG	313112A160AI	313112A160AF	313112A160AH	\$ 585.20
12B	300	12.62 - 13.02	321 - 331	8	200	313112B080AG	313112B080AI	313112B080AF	313112B080AH	\$ 342.20
				10	250	313112B100AG	313112B100AI	313112B100AF	313112B100AH	\$ 427.20
				12	300	313112B120AG	313112B120AI	313112B120AF	313112B120AH	\$ 499.20
				16	400	313112B160AG	313112B160AI	313112B160AF	313112B160AH	\$ 599.70
12C	300	13.10 - 13.50	333 - 343	8	200	313112C080AG	313112C080AI	313112C080AF	313112C080AH	\$ 342.20
				10	250	313112C100AG	313112C100AI	313112C100AF	313112C100AH	\$ 427.20
				12	300	313112C120AG	313112C120AI	313112C120AF	313112C120AH	\$ 499.20
				16	400	313112C160AG	313112C160AI	313112C160AF	313112C160AH	\$ 599.70
12D	300	13.40 - 13.80	340 - 351	8	200	313112D080AG	313112D080AI	313112D080AF	313112D080AH	\$ 342.20
				10	250	313112D100AG	313112D100AI	313112D100AF	313112D100AH	\$ 427.20
				12	300	313112D120AG	313112D120AI	313112D120AF	313112D120AH	\$ 499.20
				16	400	313112D160AG	313112D160AI	313112D160AF	313112D160AH	\$ 599.70
12E	300	13.70 - 14.10	348 - 358	8	200	313112E080AG	313112E080AI	313112E080AF	313112E080AH	\$ 342.20
				10	250	313112E100AG	313112E100AI	313112E100AF	313112E100AH	\$ 427.20
				12	300	313112E120AG	313112E120AI	313112E120AF	313112E120AH	\$ 499.20
				16	400	313112E160AG	313112E160AI	313112E160AF	313112E160AH	\$ 599.70
12F	300	14.00 - 14.40	356 - 366	8	200	313112F080AG	313112F080AI	313112F080AF	313112F080AH	\$ 342.20
				10	250	313112F100AG	313112F100AI	313112F100AF	313112F100AH	\$ 427.20
				12	300	313112F120AG	313112F120AI	313112F120AF	313112F120AH	\$ 499.20
				16	400	313112F160AG	313112F160AI	313112F160AF	313112F160AH	\$ 599.70

3131 IRON LUG SINGLE PANEL TAPPED REPAIR CLAMP (LARGE OUTLETS)

PANEL: Type 304 (18-8) Stainless Steel per ASTM A240.

GASKET: SBR Chek-O-Seal with multi o-ring sealing ribs from 100% new rubber to ensure performance under varying pressures with superior storage characteristics. Suitable for mild acids, water and salt media with a temperature range of -25°F to +200°F per ASTM D2000 . Other materials available.

ARMOR PLATE: Type 304 (18-8) Stainless Steel per ASTM A240, recessed and bonded to the gasket.

BOLTS & NUTS: Low Alloy Steel per ASTM A325, ASTM A563, and AWWA C111.

LUGS: Ductile Iron per ASTM A536.

OUTLET: Type 304 (18-8) Stainless Steel per ASTM A276.



Nominal Pipe Size		Pipe OD Range		Width		Outlet Size & Part Number		Price List
Inches	MM	Inches	MM	Inches	MM	2" CC	2" NPT	
4A	100	4.45 - 4.73	113 - 120	8	200	313104A080AJ	313104A080AK	\$ 233.10
				10	250	313104A100AJ	313104A100AK	\$ 284.50
				12	300	313104A120AJ	313104A120AK	\$ 321.50
				16	400	313104A160AJ	313104A160AK	\$ 357.50
4B	100	4.74 - 5.14	120 - 131	8	200	313104B080AJ	313104B080AK	\$ 237.60
				10	250	313104B100AJ	313104B100AK	\$ 283.60
				12	300	313104B120AJ	313104B120AK	\$ 322.50
				16	400	313104B160AJ	313104B160AK	\$ 367.50
4C	100	4.95 - 5.35	126 - 136	8	200	313104C080AJ	313104C080AK	\$ 237.60
				10	250	313104C100AJ	313104C100AK	\$ 283.60
				12	300	313104C120AJ	313104C120AK	\$ 322.50
				16	400	313104C160AJ	313104C160AK	\$ 367.50
4D	100	5.22 - 5.62	133 - 143	8	200	313104D080AJ	313104D080AK	\$ 237.60
				10	250	313104D100AJ	313104D100AK	\$ 283.60
				12	300	313104D120AJ	313104D120AK	\$ 322.50
				16	400	313104D160AJ	313104D160AK	\$ 367.50
6A	150	5.95 - 6.35	151 - 161	8	200	313106A080AJ	313106A080AK	\$ 258.20
				10	250	313106A100AJ	313106A100AK	\$ 316.20
				12	300	313106A120AJ	313106A120AK	\$ 352.00
				16	400	313106A160AJ	313106A160AK	\$ 383.00
6B	150	6.56 - 6.96	167 - 177	8	200	313106B080AJ	313106B080AK	\$ 261.60
				10	250	313106B100AJ	313106B100AK	\$ 317.50
				12	300	313106B120AJ	313106B120AK	\$ 355.60
				16	400	313106B160AJ	313106B160AK	\$ 396.30
6C	150	6.84 - 7.24	174 - 184	8	200	313106C080AJ	313106C080AK	\$ 261.60
				10	250	313106C100AJ	313106C100AK	\$ 317.50
				12	300	313106C120AJ	313106C120AK	\$ 355.60
				16	400	313106C160AJ	313106C160AK	\$ 396.30
6D	150	7.05 - 7.45	179 - 189	8	200	313106D080AJ	313106D080AK	\$ 261.60
				10	250	313106D100AJ	313106D100AK	\$ 317.50
				12	300	313106D120AJ	313106D120AK	\$ 355.60
				16	400	313106D160AJ	313106D160AK	\$ 396.30

3131 IRON LUG SINGLE PANEL TAPPED REPAIR CLAMP (LARGE OUTLETS)

Nominal Pipe Size		Pipe OD Range		Width		Outlet Size & Part Number		Price List
Inches	MM	Inches	MM	Inches	MM	2" CC	2" NPT	
6E	150	7.45 - 7.85	189 - 199	8	200	313106E080AJ	313106E080AK	\$ 261.60
				10	250	313106E100AJ	313106E100AK	\$ 317.50
				12	300	313106E120AJ	313106E120AK	\$ 355.60
				16	400	313106E160AJ	313106E160AK	\$ 396.30
8A	200	7.95 - 8.35	202 - 212	8	200	313108A080AJ	313108A080AK	\$ 286.60
				10	250	313108A100AJ	313108A100AK	\$ 349.60
				12	300	313108A120AJ	313108A120AK	\$ 396.30
				16	400	313108A160AJ	313108A160AK	\$ 452.40
8B	200	8.54 - 8.94	217 - 227	8	200	313108B080AJ	313108B080AK	\$ 292.40
				10	250	313108B100AJ	313108B100AK	\$ 353.00
				12	300	313108B120AJ	313108B120AK	\$ 405.20
				16	400	313108B160AJ	313108B160AK	\$ 462.80
8C	200	8.99 - 9.39	228 - 239	8	200	313108C080AJ	313108C080AK	\$ 292.40
				10	250	313108C100AJ	313108C100AK	\$ 353.00
				12	300	313108C120AJ	313108C120AK	\$ 405.20
				16	400	313108C160AJ	313108C160AK	\$ 462.80
8D	200	9.27 - 9.67	235 - 246	8	200	313108D080AJ	313108D080AK	\$ 292.40
				10	250	313108D100AJ	313108D100AK	\$ 353.00
				12	300	313108D120AJ	313108D120AK	\$ 405.20
				16	400	313108D160AJ	313108D160AK	\$ 462.80
10A	250	9.70 - 10.10	246 - 257	8	200	313110A080AJ	313110A080AK	\$ 328.30
				10	250	313110A100AJ	313110A100AK	\$ 403.60
				12	300	313110A120AJ	313110A120AK	\$ 452.20
				16	400	313110A160AJ	313110A160AK	\$ 549.30
10B	250	10.64 - 11.04	270 - 280	8	200	313110B080AJ	313110B080AK	\$ 333.10
				10	250	313110B100AJ	313110B100AK	\$ 413.30
				12	300	313110B120AJ	313110B120AK	\$ 459.50
				16	400	313110B160AJ	313110B160AK	\$ 551.80
10C	250	11.04 - 11.44	280 - 291	8	200	313110C080AJ	313110C080AK	\$ 333.10
				10	250	313110C100AJ	313110C100AK	\$ 413.30
				12	300	313110C120AJ	313110C120AK	\$ 459.50
				16	400	313110C160AJ	313110C160AK	\$ 551.80
10D	250	11.34 - 11.74	288 - 298	8	200	313110D080AJ	313110D080AK	\$ 333.10
				10	250	313110D100AJ	313110D100AK	\$ 413.30
				12	300	313110D120AJ	313110D120AK	\$ 459.50
				16	400	313110D160AJ	313110D160AK	\$ 551.80
10E	250	11.75 - 12.15	298 - 309	8	200	313110E080AJ	313110E080AK	\$ 333.10
				10	250	313110E100AJ	313110E100AK	\$ 413.30
				12	300	313110E120AJ	313110E120AK	\$ 459.50
				16	400	313110E160AJ	313110E160AK	\$ 551.80

3131 IRON LUG SINGLE PANEL TAPPED REPAIR CLAMP (LARGE OUTLETS)

Nominal Pipe Size		Pipe OD Range		Width		Outlet Size & Part Number		Price List
Inches	MM	Inches	MM	Inches	MM	2" CC	2" NPT	
12A	300	12.00 - 12.40	305 - 315	8	200	313112A080AJ	313112A080AK	\$ 355.00
				10	250	313112A100AJ	313112A100AK	\$ 432.80
				12	300	313112A120AJ	313112A120AK	\$ 513.60
				16	400	313112A160AJ	313112A160AK	\$ 605.30
12B	300	12.62 - 13.02	321 - 331	8	200	313112B080AJ	313112B080AK	\$ 362.30
				10	250	313112B100AJ	313112B100AK	\$ 447.30
				12	300	313112B120AJ	313112B120AK	\$ 519.30
				16	400	313112B160AJ	313112B160AK	\$ 619.80
12C	300	13.10 - 13.50	333 - 343	8	200	313112C080AJ	313112C080AK	\$ 362.30
				10	250	313112C100AJ	313112C100AK	\$ 447.30
				12	300	313112C120AJ	313112C120AK	\$ 519.30
				16	400	313112C160AJ	313112C160AK	\$ 619.80
12D	300	13.40 - 13.80	340 - 351	8	200	313112D080AJ	313112D080AK	\$ 362.30
				10	250	313112D100AJ	313112D100AK	\$ 447.30
				12	300	313112D120AJ	313112D120AK	\$ 519.30
				16	400	313112D160AJ	313112D160AK	\$ 619.80
12E	300	13.70 - 14.10	348 - 358	8	200	313112E080AJ	313112E080AK	\$ 362.30
				10	250	313112E100AJ	313112E100AK	\$ 447.30
				12	300	313112E120AJ	313112E120AK	\$ 519.30
				16	400	313112E160AJ	313112E160AK	\$ 619.90
12F	300	14.00 - 14.40	356 - 366	8	200	313112F080AJ	313112F080AK	\$ 362.30
				10	250	313112F100AJ	313112F100AK	\$ 447.30
				12	300	313112F120AJ	313112F120AK	\$ 519.30
				16	400	313112F160AJ	313112F160AK	\$ 619.80

HOW TO ORDER: Choose nominal pipe size, width and outlet size with thread configuration. EXAMPLE: 6" DIP O.D. 6.90, 12" wide with a 2" NPT outlet. Order 3131- 6C x 12 X 2 NPT. **Part Number:** 313106C120AK



COATING OPTION: Anti-Seizing/Galling protection. Available for both Alloy and SST application. Inquire with sales for cost and availability.

3131 IRON LUG SINGLE PANEL TAPPED REPAIR CLAMP SS BOLTS (SMALL OUTLETS)

PANEL: Type 304 (18-8) Stainless Steel per ASTM A240.

GASKET: SBR Chek-O-Seal with multi o-ring sealing ribs from 100% new rubber to ensure performance under varying pressures with superior storage characteristics. Suitable for mild acids, water and salt media with a temperature range of -25°F to +200°F per ASTM D2000 . Other materials available.

ARMOR PLATE: Type 304 (18-8) Stainless Steel per ASTM A240, recessed and bonded to the gasket.

BOLTS & NUTS: Type 304 (18-8) Stainless Steel per ASTM A193 and A194. **NOTE:** Hex nuts are furnished with fusion bonded coating to prevent seizing and/or galling.

LUGS: Ductile Iron per ASTM A536.

OUTLET: Type 304 (18-8) Stainless Steel per ASTM A276.



Nominal Pipe Size		Pipe OD Range		Width		Outlet Size & Part Number				Price List
Inches	MM	Inches	MM	Inches	MM	3/4 CC	3/4 NPT	1 CC	1 NPT	
2	50	2.35 - 2.63	60 - 67	8	200	3131020080BB	3131020080BC	3131020080BD	3131020080BE	\$ 189.60
				10	250	3131020100BB	3131020100BC	3131020100BD	3131020100BE	\$ 241.90
				12	300	3131020120BB	3131020120BC	3131020120BD	3131020120BE	\$ 269.40
				16	400	3131020160BB	3131020160BC	3131020160BD	3131020160BE	\$ 297.40
2 1/2	63	2.70 - 3.00	69 - 77	8	200	3131025080BB	3131025080BC	3131025080BD	3131025080BE	\$ 193.40
				10	250	3131025100BB	3131025100BC	3131025100BD	3131025100BE	\$ 252.50
				12	300	3131025120BB	3131025120BC	3131025120BD	3131025120BE	\$ 281.00
				16	400	3131025160BB	3131025160BC	3131025160BD	3131025160BE	\$ 324.90
3A	75	2.97 - 3.25	75 - 83	8	200	313103A080BB	313103A080BC	313103A080BD	313103A080BE	\$ 210.60
				10	250	313103A100BB	313103A100BC	313103A100BD	313103A100BE	\$ 261.30
				12	300	313103A120BB	313103A120BC	313103A120BD	313103A120BE	\$ 290.80
				16	400	313103A160BB	313103A160BC	313103A160BD	313103A160BE	\$ 326.00
3B	75	3.46 - 3.70	88 - 94	8	200	313103B080BB	313103B080BC	313103B080BD	313103B080BE	\$ 213.30
				10	250	313103B100BB	313103B100BC	313103B100BD	313103B100BE	\$ 267.30
				12	300	313103B120BB	313103B120BC	313103B120BD	313103B120BE	\$ 300.00
				16	400	313103B160BB	313103B160BC	313103B160BD	313103B160BE	\$ 335.30
3C	75	3.73 - 4.00	95 - 102	8	200	313103C080BB	313103C080BC	313103C080BD	313103C080BE	\$ 217.80
				10	250	313103C100BB	313103C100BC	313103C100BD	313103C100BE	\$ 273.20
				12	300	313103C120BB	313103C120BC	313103C120BD	313103C120BE	\$ 308.60
				16	400	313103C160BB	313103C160BC	313103C160BD	313103C160BE	\$ 343.30
3D	75	3.96 - 4.25	101 - 108	8	200	313103D080BB	313103D080BC	313103D080BD	313103D080BE	\$ 217.80
				10	250	313103D100BB	313103D100BC	313103D100BD	313103D100BE	\$ 273.20
				12	300	313103D120BB	313103D120BC	313103D120BD	313103D120BE	\$ 308.60
				16	400	313103D160BB	313103D160BC	313103D160BD	313103D160BE	\$ 343.30
4A	100	4.45 - 4.73	113 - 120	8	200	313104A080BB	313104A080BC	313104A080BD	313104A080BE	\$ 222.50
				10	250	313104A100BB	313104A100BC	313104A100BD	313104A100BE	\$ 278.00
				12	300	313104A120BB	313104A120BC	313104A120BD	313104A120BE	\$ 315.10
				16	400	313104A160BB	313104A160BC	313104A160BD	313104A160BE	\$ 350.80

3131 IRON LUG SINGLE PANEL TAPPED REPAIR CLAMP SS BOLTS (SMALL OUTLETS)

Nominal Pipe Size		Pipe OD Range		Width		Outlet Size & Part Number				Price List
Inches	MM	Inches	MM	Inches	MM	3/4 CC	3/4 NPT	1 CC	1 NPT	
4B	100	4.74 - 5.14	120 - 131	8	200	313104B080BB	313104B080BC	313104B080BD	313104B080BE	\$ 233.50
				10	250	313104B100BB	313104B100BC	313104B100BD	313104B100BE	\$ 297.40
				12	300	313104B120BB	313104B120BC	313104B120BD	313104B120BE	\$ 338.30
				16	400	313104B160BB	313104B160BC	313104B160BD	313104B160BE	\$ 402.40
4C	100	4.95 - 5.35	126 - 136	8	200	313104C080BB	313104C080BC	313104C080BD	313104C080BE	\$ 233.50
				10	250	313104C100BB	313104C100BC	313104C100BD	313104C100BE	\$ 297.40
				12	300	313104C120BB	313104C120BC	313104C120BD	313104C120BE	\$ 338.30
				16	400	313104C160BB	313104C160BC	313104C160BD	313104C160BE	\$ 402.40
4D	100	5.22 - 5.62	133 - 143	8	200	313104D080BB	313104D080BC	313104D080BD	313104D080BE	\$ 233.50
				10	250	313104D100BB	313104D100BC	313104D100BD	313104D100BE	\$ 297.40
				12	300	313104D120BB	313104D120BC	313104D120BD	313104D120BE	\$ 338.30
				16	400	313104D160BB	313104D160BC	313104D160BD	313104D160BE	\$ 402.40
6A	150	5.95 - 6.35	151 - 161	8	200	313106A080BB	313106A080BC	313106A080BD	313106A080BE	\$ 257.20
				10	250	313106A100BB	313106A100BC	313106A100BD	313106A100BE	\$ 328.00
				12	300	313106A120BB	313106A120BC	313106A120BD	313106A120BE	\$ 377.90
				16	400	313106A160BB	313106A160BC	313106A160BD	313106A160BE	\$ 430.50
6B	150	6.56 - 6.96	167 - 177	8	200	313106B080BB	313106B080BC	313106B080BD	313106B080BE	\$ 261.50
				10	250	313106B100BB	313106B100BC	313106B100BD	313106B100BE	\$ 332.80
				12	300	313106B120BB	313106B120BC	313106B120BD	313106B120BE	\$ 382.00
				16	400	313106B160BB	313106B160BC	313106B160BD	313106B160BE	\$ 435.00
6C	150	6.84 - 7.24	174 - 184	8	200	313106C080BB	313106C080BC	313106C080BD	313106C080BE	\$ 261.50
				10	250	313106C100BB	313106C100BC	313106C100BD	313106C100BE	\$ 332.80
				12	300	313106C120BB	313106C120BC	313106C120BD	313106C120BE	\$ 382.00
				16	400	313106C160BB	313106C160BC	313106C160BD	313106C160BE	\$ 435.00
6D	150	7.05 - 7.45	179 - 189	8	200	313106D080BB	313106D080BC	313106D080BD	313106D080BE	\$ 261.50
				10	250	313106D100BB	313106D100BC	313106D100BD	313106D100BE	\$ 332.80
				12	300	313106D120BB	313106D120BC	313106D120BD	313106D120BE	\$ 382.00
				16	400	313106D160BB	313106D160BC	313106D160BD	313106D160BE	\$ 435.00
6E	150	7.45 - 7.85	189 - 199	8	200	313106E080BB	313106E080BC	313106E080BD	313106E080BE	\$ 261.50
				10	250	313106E100BB	313106E100BC	313106E100BD	313106E100BE	\$ 332.80
				12	300	313106E120BB	313106E120BC	313106E120BD	313106E120BE	\$ 382.00
				16	400	313106E160BB	313106E160BC	313106E160BD	313106E160BE	\$ 435.00
8A	200	7.95 - 8.35	202 - 212	8	200	313108A080BB	313108A080BC	313108A080BD	313108A080BE	\$ 289.40
				10	250	313108A100BB	313108A100BC	313108A100BD	313108A100BE	\$ 367.30
				12	300	313108A120BB	313108A120BC	313108A120BD	313108A120BE	\$ 427.00
				16	400	313108A160BB	313108A160BC	313108A160BD	313108A160BE	\$ 494.20
8B	200	8.54 - 8.94	217 - 227	8	200	313108B080BB	313108B080BC	313108B080BD	313108B080BE	\$ 294.60
				10	250	313108B100BB	313108B100BC	313108B100BD	313108B100BE	\$ 369.90
				12	300	313108B120BB	313108B120BC	313108B120BD	313108B120BE	\$ 434.80
				16	400	313108B160BB	313108B160BC	313108B160BD	313108B160BE	\$ 509.50

3131 IRON LUG SINGLE PANEL TAPPED REPAIR CLAMP SS BOLTS (SMALL OUTLETS)

Nominal Pipe Size		Pipe OD Range		Width		Outlet Size & Part Number				Price List
Inches	MM	Inches	MM	Inches	MM	3/4 CC	3/4 NPT	1 CC	1 NPT	
8C	200	8.99 - 9.39	228 - 239	8	200	313108C080BB	313108C080BC	313108C080BD	313108C080BE	\$ 294.60
				10	250	313108C100BB	313108C100BC	313108C100BD	313108C100BE	\$ 369.90
				12	300	313108C120BB	313108C120BC	313108C120BD	313108C120BE	\$ 434.80
				16	400	313108C160BB	313108C160BC	313108C160BD	313108C160BE	\$ 509.50
8D	200	9.27 - 9.67	235 - 246	8	200	313108D080BB	313108D080BC	313108D080BD	313108D080BE	\$ 294.60
				10	250	313108D100BB	313108D100BC	313108D100BD	313108D100BE	\$ 369.90
				12	300	313108D120BB	313108D120BC	313108D120BD	313108D120BE	\$ 434.80
				16	400	313108D160BB	313108D160BC	313108D160BD	313108D160BE	\$ 509.50
10A	250	9.70 - 10.10	246 - 257	8	200	313110A080BB	313110A080BC	313110A080BD	313110A080BE	\$ 318.30
				10	250	313110A100BB	313110A100BC	313110A100BD	313110A100BE	\$ 416.90
				12	300	313110A120BB	313110A120BC	313110A120BD	313110A120BE	\$ 481.80
				16	400	313110A160BB	313110A160BC	313110A160BD	313110A160BE	\$ 592.40
10B	250	10.64 - 11.04	270 - 280	8	200	313110B080BB	313110B080BC	313110B080BD	313110B080BE	\$ 330.30
				10	250	313110B100BB	313110B100BC	313110B100BD	313110B100BE	\$ 421.70
				12	300	313110B120BB	313110B120BC	313110B120BD	313110B120BE	\$ 489.00
				16	400	313110B160BB	313110B160BC	313110B160BD	313110B160BE	\$ 602.00
10C	250	11.04 - 11.44	280 - 291	8	200	313110C080BB	313110C080BC	313110C080BD	313110C080BE	\$ 330.30
				10	250	313110C100BB	313110C100BC	313110C100BD	313110C100BE	\$ 421.70
				12	300	313110C120BB	313110C120BC	313110C120BD	313110C120BE	\$ 489.00
				16	400	313110C160BB	313110C160BC	313110C160BD	313110C160BE	\$ 602.00
10D	250	11.34 - 11.74	288 - 298	8	200	313110D080BB	313110D080BC	313110D080BD	313110D080BE	\$ 330.30
				10	250	313110D100BB	313110D100BC	313110D100BD	313110D100BE	\$ 421.70
				12	300	313110D120BB	313110D120BC	313110D120BD	313110D120BE	\$ 489.00
				16	400	313110D160BB	313110D160BC	313110D160BD	313110D160BE	\$ 602.00
10E	250	11.75 - 12.15	298 - 309	8	200	313110E080BB	313110E080BC	313110E080BD	313110E080BE	\$ 330.30
				10	250	313110E100BB	313110E100BC	313110E100BD	313110E100BE	\$ 421.70
				12	300	313110E120BB	313110E120BC	313110E120BD	313110E120BE	\$ 489.00
				16	400	313110E160BB	313110E160BC	313110E160BD	313110E160BE	\$ 602.00
12A	300	12.00 - 12.40	305 - 315	8	200	313112A080BB	313112A080BC	313112A080BD	313112A080BE	\$ 359.20
				10	250	313112A100BB	313112A100BC	313112A100BD	313112A100BE	\$ 453.00
				12	300	313112A120BB	313112A120BC	313112A120BD	313112A120BE	\$ 537.00
				16	400	313112A160BB	313112A160BC	313112A160BD	313112A160BE	\$ 642.90
12B	300	12.62 - 13.02	321 - 331	8	200	313112B080BB	313112B080BC	313112B080BD	313112B080BE	\$ 364.00
				10	250	313112B100BB	313112B100BC	313112B100BD	313112B100BE	\$ 465.00
				12	300	313112B120BB	313112B120BC	313112B120BD	313112B120BE	\$ 551.50
				16	400	313112B160BB	313112B160BC	313112B160BD	313112B160BE	\$ 662.10

3131 IRON LUG SINGLE PANEL TAPPED REPAIR CLAMP SS BOLTS (SMALL OUTLETS)

Nominal Pipe Size		Pipe OD Range		Width		Outlet Size & Part Number				Price List
Inches	MM	Inches	MM	Inches	MM	3/4 CC	3/4 NPT	1 CC	1 NPT	
12C	300	13.10 - 13.50	333 - 343	8	200	313112C080BB	313112C080BC	313112C080BD	313112C080BE	\$ 364.00
				10	250	313112C100BB	313112C100BC	313112C100BD	313112C100BE	\$ 465.00
				12	300	313112C120BB	313112C120BC	313112C120BD	313112C120BE	\$ 551.50
				16	400	313112C160BB	313112C160BC	313112C160BD	313112C160BE	\$ 662.10
12D	300	13.40 - 13.80	340 - 351	8	200	313112D080BB	313112D080BC	313112D080BD	313112D080BE	\$ 364.00
				10	250	313112D100BB	313112D100BC	313112D100BD	313112D100BE	\$ 465.00
				12	300	313112D120BB	313112D120BC	313112D120BD	313112D120BE	\$ 551.50
				16	400	313112D160BB	313112D160BC	313112D160BD	313112D160BE	\$ 662.10
12E	300	13.70 - 14.10	348 - 358	8	200	313112E080BB	313112E080BC	313112E080BD	313112E080BE	\$ 364.00
				10	250	313112E100BB	313112E100BC	313112E100BD	313112E100BE	\$ 465.00
				12	300	313112E120BB	313112E120BC	313112E120BD	313112E120BE	\$ 551.50
				16	400	313112E160BB	313112E160BC	313112E160BD	313112E160BE	\$ 662.10
12F	300	14.00 - 14.40	356 - 366	8	200	313112F080BB	313112F080BC	313112F080BD	313112F080BE	\$ 364.00
				10	250	313112F100BB	313112F100BC	313112F100BD	313112F100BE	\$ 465.00
				12	300	313112F120BB	313112F120BC	313112F120BD	313112F120BE	\$ 551.50
				16	400	313112F160BB	313112F160BC	313112F160BD	313112F160BE	\$ 662.10

HOW TO ORDER: Choose nominal pipe size, width and outlet size and thread configuration. EXAMPLE: 6" C900 O.D. 6.90 O.D., 12" wide with a 1" NPT outlet. Order 3131- 6C X 12 X 1 NPT. **Part Number:** 313106C120BE .

3131 IRON LUG SINGLE PANEL TAPPED REPAIR CLAMP SS BOLTS (LARGE OUTLETS)

PANEL: Type 304 (18-8) Stainless Steel per ASTM A240.

GASKET: SBR Chek-O-Seal with multi o-ring sealing ribs from 100% new rubber to ensure performance under varying pressures with superior storage characteristics. Suitable for mild acids, water and salt media with a temperature range of -25°F to +200°F per ASTM D2000 . Other materials available.

ARMOR PLATE: Type 304 (18-8) Stainless Steel per ASTM A240, recessed and bonded to the gasket.

BOLTS & NUTS: Type 304 (18-8) Stainless Steel per ASTM A193 and A194. **NOTE:** Hex nuts are furnished with fusion bonded coating to prevent seizing and/or galling.

LUGS: Ductile Iron per ASTM A536.

OUTLET: Type 304 (18-8) Stainless Steel per ASTM A276.



Nominal Pipe Size		Pipe OD Range		Width		Outlet Size & Part Number				Price List
Inches	MM	Inches	MM	Inches	MM	1 1/4" NPT	1 1/2" NPT	1 1/4" CC	1 1/2" CC	
4A	100	4.45 - 4.73	113 - 120	8	200	313104A080BG	313104A080BI	313104A080BF	313104A080BH	\$ 243.60
				10	250	313104A100BG	313104A100BI	313104A100BF	313104A100BH	\$ 299.10
				12	300	313104A120BG	313104A120BI	313104A120BF	313104A120BH	\$ 336.30
				16	400	313104A160BG	313104A160BI	313104A160BF	313104A160BH	\$ 371.90
4B	100	4.74 - 5.14	120 - 131	8	200	313104B080BG	313104B080BI	313104B080BF	313104B080BH	\$ 254.60
				10	250	313104B100BG	313104B100BI	313104B100BF	313104B100BH	\$ 318.60
				12	300	313104B120BG	313104B120BI	313104B120BF	313104B120BH	\$ 359.40
				16	400	313104B160BG	313104B160BI	313104B160BF	313104B160BH	\$ 423.60
4C	100	4.95 - 5.35	126 - 136	8	200	313104C080BG	313104C080BI	313104C080BF	313104C080BH	\$ 254.60
				10	250	313104C100BG	313104C100BI	313104C100BF	313104C100BH	\$ 318.60
				12	300	313104C120BG	313104C120BI	313104C120BF	313104C120BH	\$ 359.40
				16	400	313104C160BG	313104C160BI	313104C160BF	313104C160BH	\$ 423.60
4D	100	5.22 - 5.62	133 - 143	8	200	313104D080BG	313104D080BI	313104D080BF	313104D080BH	\$ 254.60
				10	250	313104D100BG	313104D100BI	313104D100BF	313104D100BH	\$ 318.60
				12	300	313104D120BG	313104D120BI	313104D120BF	313104D120BH	\$ 359.40
				16	400	313104D160BG	313104D160BI	313104D160BF	313104D160BH	\$ 423.60
6A	150	5.95 - 6.35	151 - 161	8	200	313106A080BG	313106A080BI	313106A080BF	313106A080BH	\$ 278.40
				10	250	313106A100BG	313106A100BI	313106A100BF	313106A100BH	\$ 349.20
				12	300	313106A120BG	313106A120BI	313106A120BF	313106A120BH	\$ 399.10
				16	400	313106A160BG	313106A160BI	313106A160BF	313106A160BH	\$ 451.60
6B	150	6.56 - 6.96	167 - 177	8	200	313106B080BG	313106B080BI	313106B080BF	313106B080BH	\$ 282.70
				10	250	313106B100BG	313106B100BI	313106B100BF	313106B100BH	\$ 354.00
				12	300	313106B120BG	313106B120BI	313106B120BF	313106B120BH	\$ 403.20
				16	400	313106B160BG	313106B160BI	313106B160BF	313106B160BH	\$ 456.10
6C	150	6.84 - 7.24	174 - 184	8	200	313106C080BG	313106C080BI	313106C080BF	313106C080BH	\$ 282.70
				10	250	313106C100BG	313106C100BI	313106C100BF	313106C100BH	\$ 354.00
				12	300	313106C120BG	313106C120BI	313106C120BF	313106C120BH	\$ 403.20
				16	400	313106C160BG	313106C160BI	313106C160BF	313106C160BH	\$ 456.10

3131 IRON LUG SINGLE PANEL TAPPED REPAIR CLAMP SS BOLTS (LARGE OUTLETS)

Nominal Pipe Size		Pipe OD Range		Width		Outlet Size & Part Number				Price List
Inches	MM	Inches	MM	Inches	MM	1 1/4" NPT	1 1/2" NPT	1 1/4" CC	1 1/2" CC	
6D	150	7.05 - 7.45	179 - 189	8	200	313106D080BG	313106D080BI	313106D080BF	313106D080BH	\$ 282.70
				10	250	313106D100BG	313106D100BI	313106D100BF	313106D100BH	\$ 354.00
				12	300	313106D120BG	313106D120BI	313106D120BF	313106D120BH	\$ 403.20
				16	400	313106D160BG	313106D160BI	313106D160BF	313106D160BH	\$ 456.10
6E	150	7.45 - 7.85	189 - 199	8	200	313106E080BG	313106E080BI	313106E080BF	313106E080BH	\$ 282.70
				10	250	313106E100BG	313106E100BI	313106E100BF	313106E100BH	\$ 354.00
				12	300	313106E120BG	313106E120BI	313106E120BF	313106E120BH	\$ 403.20
				16	400	313106E160BG	313106E160BI	313106E160BF	313106E160BH	\$ 456.10
8A	200	7.95 - 8.35	202 - 212	8	200	313108A080BG	313108A080BI	313108A080BF	313108A080BH	\$ 310.50
				10	250	313108A100BG	313108A100BI	313108A100BF	313108A100BH	\$ 388.40
				12	300	313108A120BG	313108A120BI	313108A120BF	313108A120BH	\$ 448.10
				16	400	313108A160BG	313108A160BI	313108A160BF	313108A160BH	\$ 515.30
8B	200	8.54 - 8.94	217 - 227	8	200	313108B080BG	313108B080BI	313108B080BF	313108B080BH	\$ 315.70
				10	250	313108B100BG	313108B100BI	313108B100BF	313108B100BH	\$ 391.00
				12	300	313108B120BG	313108B120BI	313108B120BF	313108B120BH	\$ 456.00
				16	400	313108B160BG	313108B160BI	313108B160BF	313108B160BH	\$ 530.60
8C	200	8.99 - 9.39	228 - 239	8	200	313108C080BG	313108C080BI	313108C080BF	313108C080BH	\$ 315.70
				10	250	313108C100BG	313108C100BI	313108C100BF	313108C100BH	\$ 391.00
				12	300	313108C120BG	313108C120BI	313108C120BF	313108C120BH	\$ 456.00
				16	400	313108C160BG	313108C160BI	313108C160BF	313108C160BH	\$ 530.60
8D	200	9.27 - 9.67	235 - 246	8	200	313108D080BG	313108D080BI	313108D080BF	313108D080BH	\$ 315.70
				10	250	313108D100BG	313108D100BI	313108D100BF	313108D100BH	\$ 391.00
				12	300	313108D120BG	313108D120BI	313108D120BF	313108D120BH	\$ 456.00
				16	400	313108D160BG	313108D160BI	313108D160BF	313108D160BH	\$ 530.60
10A	250	9.70 - 10.10	246 - 257	8	200	313110A080BG	313110A080BI	313110A080BF	313110A080BH	\$ 339.50
				10	250	313110A100BG	313110A100BI	313110A100BF	313110A100BH	\$ 438.00
				12	300	313110A120BG	313110A120BI	313110A120BF	313110A120BH	\$ 503.00
				16	400	313110A160BG	313110A160BI	313110A160BF	313110A160BH	\$ 613.60
10B	250	10.64 - 11.04	270 - 280	8	200	313110B080BG	313110B080BI	313110B080BF	313110B080BH	\$ 351.50
				10	250	313110B100BG	313110B100BI	313110B100BF	313110B100BH	\$ 442.90
				12	300	313110B120BG	313110B120BI	313110B120BF	313110B120BH	\$ 510.20
				16	400	313110B160BG	313110B160BI	313110B160BF	313110B160BH	\$ 623.10
10C	250	11.04 - 11.44	280 - 291	8	200	313110C080BG	313110C080BI	313110C080BF	313110C080BH	\$ 351.50
				10	250	313110C100BG	313110C100BI	313110C100BF	313110C100BH	\$ 442.90
				12	300	313110C120BG	313110C120BI	313110C120BF	313110C120BH	\$ 510.20
				16	400	313110C160BG	313110C160BI	313110C160BF	313110C160BH	\$ 623.10
10D	250	11.34 - 11.74	288 - 298	8	200	313110D080BG	313110D080BI	313110D080BF	313110D080BH	\$ 351.50
				10	250	313110D100BG	313110D100BI	313110D100BF	313110D100BH	\$ 442.90
				12	300	313110D120BG	313110D120BI	313110D120BF	313110D120BH	\$ 510.20
				16	400	313110D160BG	313110D160BI	313110D160BF	313110D160BH	\$ 623.10

3131 IRON LUG SINGLE PANEL TAPPED REPAIR CLAMP SS BOLTS (LARGE OUTLETS)

Nominal Pipe Size		Pipe OD Range		Width		Outlet Size & Part Number				Price List
Inches	MM	Inches	MM	Inches	MM	1 1/4" NPT	1 1/2" NPT	1 1/4" CC	1 1/2" CC	
10E	250	11.75 - 12.15	298 - 309	8	200	313110E080BG	313110E080BI	313110E080BF	313110E080BH	\$ 351.50
				10	250	313110E100BG	313110E100BI	313110E100BF	313110E100BH	\$ 442.90
				12	300	313110E120BG	313110E120BI	313110E120BF	313110E120BH	\$ 510.20
				16	400	313110E160BG	313110E160BI	313110E160BF	313110E160BH	\$ 623.10
12A	300	12.00 - 12.40	305 - 315	8	200	313112A080BG	313112A080BI	313112A080BF	313112A080BH	\$ 380.40
				10	250	313112A100BG	313112A100BI	313112A100BF	313112A100BH	\$ 474.10
				12	300	313112A120BG	313112A120BI	313112A120BF	313112A120BH	\$ 558.30
				16	400	313112A160BG	313112A160BI	313112A160BF	313112A160BH	\$ 664.00
12B	300	12.62 - 13.02	321 - 331	8	200	313112B080BG	313112B080BI	313112B080BF	313112B080BH	\$ 385.20
				10	250	313112B100BG	313112B100BI	313112B100BF	313112B100BH	\$ 486.10
				12	300	313112B120BG	313112B120BI	313112B120BF	313112B120BH	\$ 572.70
				16	400	313112B160BG	313112B160BI	313112B160BF	313112B160BH	\$ 683.30
12C	300	13.10 - 13.50	333 - 343	8	200	313112C080BG	313112C080BI	313112C080BF	313112C080BH	\$ 385.20
				10	250	313112C100BG	313112C100BI	313112C100BF	313112C100BH	\$ 486.10
				12	300	313112C120BG	313112C120BI	313112C120BF	313112C120BH	\$ 572.70
				16	400	313112C160BG	313112C160BI	313112C160BF	313112C160BH	\$ 683.30
12D	300	13.40 - 13.80	340 - 351	8	200	313112D080BG	313112D080BI	313112D080BF	313112D080BH	\$ 385.20
				10	250	313112D100BG	313112D100BI	313112D100BF	313112D100BH	\$ 486.10
				12	300	313112D120BG	313112D120BI	313112D120BF	313112D120BH	\$ 572.70
				16	400	313112D160BG	313112D160BI	313112D160BF	313112D160BH	\$ 683.30
12E	300	13.70 - 14.10	348 - 358	8	200	313112E080BG	313112E080BI	313112E080BF	313112E080BH	\$ 385.20
				10	250	313112E100BG	313112E100BI	313112E100BF	313112E100BH	\$ 486.10
				12	300	313112E120BG	313112E120BI	313112E120BF	313112E120BH	\$ 572.70
				16	400	313112E160BG	313112E160BI	313112E160BF	313112E160BH	\$ 683.30
12F	300	14.00 - 14.40	356 - 366	8	200	313112F080BG	313112F080BI	313112F080BF	313112F080BH	\$ 385.20
				10	250	313112F100BG	313112F100BI	313112F100BF	313112F100BH	\$ 486.10
				12	300	313112F120BG	313112F120BI	313112F120BF	313112F120BH	\$ 572.70
				16	400	313112F160BG	313112F160BI	313112F160BF	313112F160BH	\$ 683.30

HOW TO ORDER: Choose nominal pipe size, width and outlet size and thread configuration. EXAMPLE: 4" C900 O.D. 4.80 O.D., 8" wide with a 2" NPT outlet. Order 3131- 4B X 8 X 2 NPT. **Part Number:** 313104B080BK .

3131 IRON LUG SINGLE PANEL TAPPED REPAIR CLAMP SS BOLTS (LARGE OUTLETS)

PANEL: Type 304 (18-8) Stainless Steel per ASTM A240.

GASKET: SBR Chek-O-Seal with multi o-ring sealing ribs from 100% new rubber to ensure performance under varying pressures with superior storage characteristics. Suitable for mild acids, water and salt media with a temperature range of -25°F to +200°F per ASTM D2000 . Other materials available.

ARMOR PLATE: Type 304 (18-8) Stainless Steel per ASTM A240, recessed and bonded to the gasket.

BOLTS & NUTS: Type 304 (18-8) Stainless Steel per ASTM A193 and A194. **NOTE:** Hex nuts are furnished with fusion bonded coating to prevent seizing and/or galling.

LUGS: Ductile Iron per ASTM A536.

OUTLET: Type 304 (18-8) Stainless Steel per ASTM A276.



Nominal Pipe Size		Pipe OD Range		Width		Outlet Size & Part Number		Price List
Inches	MM	Inches	MM	Inches	MM	2" CC	2" NPT	
4A	100	4.45 - 4.73	113 - 120	8	200	313104A080BJ	313104A080BK	\$ 263.80
				10	250	313104A100BJ	313104A100BK	\$ 319.20
				12	300	313104A120BJ	313104A120BK	\$ 356.40
				16	400	313104A160BJ	313104A160BK	\$ 392.00
4B	100	4.74 - 5.14	120 - 131	8	200	313104B080BJ	313104B080BK	\$ 274.70
				10	250	313104B100BJ	313104B100BK	\$ 338.70
				12	300	313104B120BJ	313104B120BK	\$ 379.50
				16	400	313104B160BJ	313104B160BK	\$ 443.70
4C	100	4.95 - 5.35	126 - 136	8	200	313104C080BJ	313104C080BK	\$ 274.70
				10	250	313104C100BJ	313104C100BK	\$ 338.70
				12	300	313104C120BJ	313104C120BK	\$ 379.50
				16	400	313104C160BJ	313104C160BK	\$ 443.70
4D	100	5.22 - 5.62	133 - 143	8	200	313104D080BJ	313104D080BK	\$ 274.70
				10	250	313104D100BJ	313104D100BK	\$ 338.70
				12	300	313104D120BJ	313104D120BK	\$ 379.50
				16	400	313104D160BJ	313104D160BK	\$ 443.70
6A	150	5.95 - 6.35	151 - 161	8	200	313106A080BJ	313106A080BK	\$ 298.50
				10	250	313106A100BJ	313106A100BK	\$ 369.30
				12	300	313106A120BJ	313106A120BK	\$ 419.20
				16	400	313106A160BJ	313106A160BK	\$ 471.70
6B	150	6.56 - 6.96	167 - 177	8	200	313106B080BJ	313106B080BK	\$ 302.80
				10	250	313106B100BJ	313106B100BK	\$ 374.10
				12	300	313106B120BJ	313106B120BK	\$ 423.30
				16	400	313106B160BJ	313106B160BK	\$ 476.20
6C	150	6.84 - 7.24	174 - 184	8	200	313106C080BJ	313106C080BK	\$ 302.80
				10	250	313106C100BJ	313106C100BK	\$ 374.10
				12	300	313106C120BJ	313106C120BK	\$ 423.30
				16	400	313106C160BJ	313106C160BK	\$ 476.20

3131 IRON LUG SINGLE PANEL TAPPED REPAIR CLAMP SS BOLTS (LARGE OUTLETS)

Nominal Pipe Size		Pipe OD Range		Width		Outlet Size & Part Number		Price List
Inches	MM	Inches	MM	Inches	MM	2" CC	2" NPT	
6D	150	7.05 - 7.45	179 - 189	8	200	313106D080BJ	313106D080BK	\$ 302.80
				10	250	313106D100BJ	313106D100BK	\$ 374.10
				12	300	313106D120BJ	313106D120BK	\$ 423.30
				16	400	313106D160BJ	313106D160BK	\$ 476.20
6E	150	7.45 - 7.85	189 - 199	8	200	313106E080BJ	313106E080BK	\$ 302.80
				10	250	313106E100BJ	313106E100BK	\$ 374.10
				12	300	313106E120BJ	313106E120BK	\$ 423.30
				16	400	313106E160BJ	313106E160BK	\$ 476.20
8A	200	7.95 - 8.35	202 - 212	8	200	313108A080BJ	313108A080BK	\$ 330.60
				10	250	313108B100BJ	313108B100BK	\$ 408.50
				12	300	313108A120BJ	313108A120BK	\$ 468.20
				16	400	313108A160BJ	313108A160BK	\$ 535.40
8B	200	8.54 - 8.94	217 - 227	8	200	313108B080BJ	313108B080BK	\$ 335.90
				10	250	313108B100BJ	313108B100BK	\$ 411.10
				12	300	313108B120BJ	313108B120BK	\$ 476.10
				16	400	313108B160BJ	313108B160BK	\$ 550.70
8C	200	8.99 - 9.39	228 - 239	8	200	313108C080BJ	313108C080BK	\$ 335.90
				10	250	313108C100BJ	313108C100BK	\$ 411.10
				12	300	313108C120BJ	313108C120BK	\$ 476.10
				16	400	313108C160BJ	313108C160BK	\$ 550.70
8D	200	9.27 - 9.67	235 - 246	8	200	313108D080BJ	313108D080BK	\$ 335.90
				10	250	313108D100BJ	313108D100BK	\$ 411.10
				12	300	313108D120BJ	313108D120BK	\$ 476.10
				16	400	313108D160BJ	313108D160BK	\$ 550.70
10A	250	9.70 - 10.10	246 - 257	8	200	313110A080BJ	313110A080BK	\$ 359.60
				10	250	313110A100BJ	313110A100BK	\$ 458.20
				12	300	313110A120BJ	313110A120BK	\$ 523.00
				16	400	313110A160BJ	313110A160BK	\$ 633.70
10B	250	10.64 - 11.04	270 - 280	8	200	313110B080BJ	313110B080BK	\$ 371.60
				10	250	313110B100BJ	313110B100BK	\$ 463.00
				12	300	313110B120BJ	313110B120BK	\$ 530.30
				16	400	313110B160BJ	313110B160BK	\$ 643.20
10C	250	11.04 - 11.44	280 - 291	8	200	313110C080BJ	313110C080BK	\$ 371.60
				10	250	313110C100BJ	313110C100BK	\$ 463.00
				12	300	313110C120BJ	313110C120BK	\$ 530.30
				16	400	313110C160BJ	313110C160BK	\$ 643.20
10D	250	11.34 - 11.74	288 - 298	8	200	313110D080BJ	313110D080BK	\$ 371.60
				10	250	313110D100BJ	313110D100BK	\$ 463.00
				12	300	313110D120BJ	313110D120BK	\$ 530.30
				16	400	313110D160BJ	313110D160BK	\$ 643.20

3131 IRON LUG SINGLE PANEL TAPPED REPAIR CLAMP SS BOLTS (LARGE OUTLETS)

Nominal Pipe Size		Pipe OD Range		Width		Outlet Size & Part Number		Price List
Inches	MM	Inches	MM	Inches	MM	2" CC	2" NPT	
10E	250	11.75 - 12.15	298 - 309	8	200	313110E080BJ	313110E080BK	\$ 371.60
				10	250	313110E100BJ	313110E100BK	\$ 463.00
				12	300	313110E120BJ	313110E120BK	\$ 530.30
				16	400	313110E160BJ	313110E160BK	\$ 643.20
12A	300	12.00 - 12.40	305 - 315	8	200	313112A080BJ	313112A080BK	\$ 400.50
				10	250	313112A100BJ	313112A100BK	\$ 494.30
				12	300	313112A120BJ	313112A120BK	\$ 578.30
				16	400	313112A160BJ	313112A160BK	\$ 684.20
12B	300	12.62 - 13.02	321 - 331	8	200	313112B080BJ	313112B080BK	\$ 405.30
				10	250	313112B100BJ	313112B100BK	\$ 506.30
				12	300	313112B120BJ	313112B120BK	\$ 592.80
				16	400	313112B160BJ	313112B160BK	\$ 703.40
12C	300	13.10 - 13.50	333 - 343	8	200	313112C080BJ	313112C080BK	\$ 405.30
				10	250	313112C100BJ	313112C100BK	\$ 506.30
				12	300	313112C120BJ	313112C120BK	\$ 592.80
				16	400	313112C160BJ	313112C160BK	\$ 703.40
12D	300	13.40 - 13.80	340 - 351	8	200	313112D080BJ	313112D080BK	\$ 405.30
				10	250	313112D100BJ	313112D100BK	\$ 506.30
				12	300	313112D120BJ	313112D120BK	\$ 592.80
				16	400	313112D160BJ	313112D160BK	\$ 703.40
12E	300	13.70 - 14.10	348 - 358	8	200	313112E080BJ	313112E080BK	\$ 405.30
				10	250	313112E100BJ	313112E100BK	\$ 506.30
				12	300	313112E120BJ	313112E120BK	\$ 592.80
				16	400	313112E160BJ	313112E160BK	\$ 703.40
12F	300	14.00 - 14.40	356 - 366	8	200	313112F080BJ	313112F080BK	\$ 405.30
				10	250	313112F100BJ	313112F100BK	\$ 506.30
				12	300	313112F120BJ	313112F120BK	\$ 592.80
				16	400	313112F160BJ	313112F160BK	\$ 703.40

HOW TO ORDER: Choose nominal pipe size, width and outlet size and thread configuration. EXAMPLE: 4" C900 O.D. 4.80 O.D., 8" wide with a 2" NPT outlet. Order 3131- 4B X 8 X 2 NPT. **Part Number:**313104B080BK .

3132 IRON LUG DOUBLE PANEL TAPPED REPAIR CLAMP (SMALL OUTLETS)

PANEL: Type 304 (18-8) Stainless Steel per ASTM A240.

GASKET: SBR Chek-O-Seal with multi o-ring sealing ribs from 100% new rubber to ensure performance under varying pressures with superior storage characteristics. Suitable for mild acids, water and salt media with a temperature range of -25°F to +200°F per ASTM D2000 . Other materials available.

ARMOR PLATE: Type 304 (18-8) Stainless Steel per ASTM A240, recessed and bonded to the gasket.

BOLTS & NUTS: Low Alloy Steel per ASTM A325, ASTM A563, and AWWA C111.

LUGS: Ductile Iron per ASTM A536.

OUTLET: Type 304 (18-8) Stainless Steel per ASTM A276.



Nominal Pipe Size		Pipe OD Range		Width		Outlet Size & Part Number				Price List
Inches	MM	Inches	MM	Inches	MM	3/4 CC	3/4 NPT	1 CC	1 NPT	
3	75	3.49-4.29	89-109	8	200	3132030080AB	3132030080AC	3132030080AD	3132030080AE	\$ 232.20
				10	250	3132030100AB	3132030100AC	3132030100AD	3132030100AE	\$ 269.30
				12	300	3132030120AB	3132030120AC	3132030120AD	3132030120AE	\$ 332.10
				16	400	3132030160AB	3132030160AC	3132030160AD	3132030160AE	\$ 394.90
4A	100	4.44 - 5.24	113-133	8	200	313204A080AB	313204A080AC	313204A080AD	313204A080AE	\$ 245.60
				10	250	313204A100AB	313204A100AC	313204A100AD	313204A100AE	\$ 305.80
				12	300	313204A120AB	313204A120AC	313204A120AD	313204A120AE	\$ 351.40
				16	400	313204A160AB	313204A160AC	313204A160AD	313204A160AE	\$ 424.00
4B	100	4.74 - 5.57	120-141	8	200	313204B080AB	313204B080AC	313204B080AD	313204B080AE	\$ 245.60
				10	250	313204B100AB	313204B100AC	313204B100AD	313204B100AE	\$ 305.80
				12	300	313204B120AB	313204B120AC	313204B120AD	313204B120AE	\$ 351.40
				16	400	313204B160AB	313204B160AC	313204B160AD	313204B160AE	\$ 424.00
6A	150	6.62 - 7.42	168-188	8	200	313206A080AB	313206A080AC	313206A080AD	313206A080AE	\$ 275.40
				10	250	313206A100AB	313206A100AC	313206A100AD	313206A100AE	\$ 336.50
				12	300	313206A120AB	313206A120AC	313206A120AD	313206A120AE	\$ 380.20
				16	400	313206A160AB	313206A160AC	313206A160AD	313206A160AE	\$ 483.30
6B	150	6.84 - 7.64	174-194	8	200	313206B080AB	313206B080AC	313206B080AD	313206B080AE	\$ 279.80
				10	250	313206B100AB	313206B100AC	313206B100AD	313206B100AE	\$ 341.70
				12	300	313206B120AB	313206B120AC	313206B120AD	313206B120AE	\$ 388.00
				16	400	313206B160AB	313206B160AC	313206B160AD	313206B160AE	\$ 483.90
8A	200	8.62 - 9.42	219-239	8	200	313208A080AB	313208A080AC	313208A080AD	313208A080AE	\$ 303.00
				10	250	313208A100AB	313208A100AC	313208A100AD	313208A100AE	\$ 364.80
				12	300	313208A120AB	313208A120AC	313208A120AD	313208A120AE	\$ 418.90
				16	400	313208A160AB	313208A160AC	313208A160AD	313208A160AE	\$ 537.30
8B	200	8.99 - 9.79	228-249	8	200	313208B080AB	313208B080AC	313208B080AD	313208B080AE	\$ 308.10
				10	250	313208B100AB	313208B100AC	313208B100AD	313208B100AE	\$ 372.50
				12	300	313208B120AB	313208B120AC	313208B120AD	313208B120AE	\$ 424.00
				16	400	313208B160AB	313208B160AC	313208B160AD	313208B160AE	\$ 541.50

3132 IRON LUG DOUBLE PANEL TAPPED REPAIR CLAMP (SMALL OUTLETS)

Nominal Pipe Size		Pipe OD Range		Width		Outlet Size & Part Number				Price List
Inches	MM	Inches	MM	Inches	MM	3/4 CC	3/4 NPT	1 CC	1 NPT	
10A	250	10.75 - 11.55	273-293	8	200	313210A080AB	313210A080AC	313210A080AD	313210A080AE	\$ 334.70
				10	250	313210A100AB	313210A100AC	313210A100AD	313210A100AE	\$ 418.80
				12	300	313210A120AB	313210A120AC	313210A120AD	313210A120AE	\$ 474.60
				16	400	313210A160AB	313210A160AC	313210A160AD	313210A160AE	\$ 707.40
10B	250	11.10 - 11.90	282-302	8	200	313210B080AB	313210B080AC	313210B080AD	313210B080AE	\$ 334.70
				10	250	313210B100AB	313210B100AC	313210B100AD	313210B100AE	\$ 418.80
				12	300	313210B120AB	313210B120AC	313210B120AD	313210B120AE	\$ 474.60
				16	400	313210B160AB	313210B160AC	313210B160AD	313210B160AE	\$ 707.40
10D	250	11.60 - 12.40	295-315	8	200	313210D080AB	313210D080AC	313210D080AD	313210D080AE	\$ 334.70
				10	250	313210D100AB	313210D100AC	313210D100AD	313210D100AE	\$ 418.80
				12	300	313210D120AB	313210D120AC	313210D120AD	313210D120AE	\$ 474.60
				16	400	313210D160AB	313210D160AC	313210D160AD	313210D160AE	\$ 707.40
12A	300	12.75 - 13.55	324-344	8	200	313212A080AB	313212A080AC	313212A080AD	313212A080AE	POA
				10	250	313212A100AB	313212A100AC	313212A100AD	313212A100AE	\$ 463.70
				12	300	313212A120AB	313212A120AC	313212A120AD	313212A120AE	\$ 521.90
				16	400	313212A160AB	313212A160AC	313212A160AD	313212A160AE	\$ 743.40
12B	300	13.20 - 14.00	335-356	8	200	313212B080AB	313212B080AC	313212B080AD	313212B080AE	POA
				10	250	313212B100AB	313212B100AC	313212B100AD	313212B100AE	\$ 463.70
				12	300	313212B120AB	313212B120AC	313212B120AD	313212B120AE	\$ 521.90
				16	400	313212B160AB	313212B160AC	313212B160AD	313212B160AE	\$ 743.40
12D	300	13.65 - 14.45	347-367	8	200	313212D080AB	313212D080AC	313212D080AD	313212D080AE	POA
				10	250	313212D100AB	313212D100AC	313212D100AD	313212D100AE	\$ 463.70
				12	300	313212D120AB	313212D120AC	313212D120AD	313212D120AE	\$ 521.90
				16	400	313212D160AB	313212D160AC	313212D160AD	313212D160AE	\$ 743.40
14A	350	14.38 - 15.13	365-384	8	200	313214A080AB	313214A080AC	313214A080AD	313214A080AE	POA
				10	250	313214A100AB	313214A100AC	313214A100AD	313214A100AE	\$ 781.00
				12	300	313214A120AB	313214A120AC	313214A120AD	313214A120AE	\$ 940.20
				16	400	313214A160AB	313214A160AC	313214A160AD	313214A160AE	\$ 1,095.00
14B	350	15.07 - 15.82	383-402	8	200	313214B080AB	313214B080AC	313214B080AD	313214B080AE	POA
				10	250	313214B100AB	313214B100AC	313214B100AD	313214B100AE	\$ 781.00
				12	300	313214B120AB	313214B120AC	313214B120AD	313214B120AE	\$ 940.20
				16	400	313214B160AB	313214B160AC	313214B160AD	313214B160AE	\$ 1,095.00
16A	400	15.92 - 16.67	404-423	8	200	313216A080AB	313216A080AC	313216A080AD	313216A080AE	POA
				10	250	313216A100AB	313216A100AC	313216A100AD	313216A100AE	\$ 818.80
				12	300	313216A120AB	313216A120AC	313216A120AD	313216A120AE	\$ 988.40
				16	400	313216A1602AB	313216A160AC	313216A160AD	313216A160AE	\$ 1,151.60
16B	400	16.56 - 17.31	421-440	8	200	313216B080AB	313216B080AC	313216B080AD	313216B080AE	POA
				10	250	313216B100AB	313216B100AC	313216B100AD	313216B100AE	\$ 818.80
				12	300	313216B120AB	313216B120AC	313216B120AD	313216B120AE	\$ 988.40
				16	400	313216B160AB	313216B160AC	313216B160AD	313216B160AE	\$ 1,151.60

3132 IRON LUG DOUBLE PANEL TAPPED REPAIR CLAMP (SMALL OUTLETS)

Nominal Pipe Size		Pipe OD Range		Width		Outlet Size & Part Number				Price List
Inches	MM	Inches	MM	Inches	MM	3/4 CC	3/4 NPT	1 CC	1 NPT	
16C	400	17.15 - 17.90	436-455	8	200	313216C080AB	313216C080AC	313216C080AD	313216C080AE	POA
				10	250	313216C100AB	313216C100AC	313216C100AD	313216C100AE	\$ 818.80
				12	300	313216C120AB	313216C120AC	313216C120AD	313216C120AE	\$ 988.40
				16	400	313216C160AB	313216C160AC	313216C160AD	313216C160AE	\$ 1,151.60
18A	450	17.82 - 18.57	453-472	8	200	313218A080AB	313218A080AC	313218A080AD	313218A080AE	POA
				10	250	313218A100AB	313218A100AC	313218A100AD	313218A100AE	POA
				12	300	313218A120AB	313218A120AC	313218A120AD	313218A120AE	\$ 1,008.50
				16	400	313218A160AB	313218A160AC	313218A160AD	313218A160AE	\$ 1,175.20
18B	450	18.46 - 19.21	469-488	8	200	313218B080AB	313218B080AC	313218B080AD	313218B080AE	POA
				10	250	313218B100AB	313218B100AC	313218B100AD	313218B100AE	POA
				12	300	313218B120AB	313218B120AC	313218B120AD	313218B120AE	\$ 1,008.50
				16	400	313218B160AB	313218B160AC	313218B160AD	313218B160AE	\$ 1,175.20
18C	450	19.23 - 19.98	488-507	8	200	313218C080AB	313218C080AC	313218C080AD	313218C080AE	POA
				10	250	313218C100AB	313218C100AC	313218C100AD	313218C100AE	POA
				12	300	313218C120AB	313218C120AC	313218C120AD	313218C120AE	\$ 1,008.50
				16	400	313218C160AB	313218C160AC	313218C160AD	313218C160AE	\$ 1,175.20
20A	500m	19.90 - 20.65	505-525	8	200	313220A080AB	313220A080AC	313220A080AD	313220A080AE	POA
				10	250	313220A100AB	313220A100AC	313220A100AD	313220A100AE	POA
				12	300	313220A120AB	313220A120AC	313220A120AD	313220A120AE	POA
				16	400	313220A160AB	313220A160AC	313220A160AD	313220A160AE	\$ 1,257.80
20B	500	20.70 - 21.45	526-545	8	200	313220B080AB	313220B080AC	313220B080AD	313220B080AE	POA
				10	250	313220B100AB	313220B100AC	313220B100AD	313220B100AE	POA
				12	300	313220B120AB	313220B120AC	313220B120AD	313220B120AE	POA
				16	400	313220B160AB	313220B160AC	313220B160AD	313220B160AE	\$ 1,257.80
22A	550	21.52 - 22.27	547-566	8	200	313222A080AB	313222A080AC	313222A080AD	313222A080AE	POA
				10	250	313222A100AB	313222A100AC	313222A100AD	313222A100AE	POA
				12	300	313222A120AB	313222A120AC	313222A120AD	313222A120AE	POA
				16	400	313222A160AB	313222A160AC	313222A160AD	313222A160AE	\$ 2,070.10
22B	550	22.12 - 22.87	562-581	8	200	313222B080AB	313222B080AC	313222B080AD	313222B080AE	POA
				10	250	313222B100AB	313222B100AC	313222B100AD	313222B100AE	POA
				12	300	313222B120AB	313222B120AC	313222B120AD	313222B120AE	POA
				16	400	313222B160AB	313222B160AC	313222B160AD	313222B160AE	\$ 2,070.10
22C	550	22.90 - 23.65	582-601	8	200	313222C080AB	313222C080AC	313222C080AD	313222C080AE	POA
				10	250	313222C100AB	313222C100AC	313222C100AD	313222C100AE	POA
				12	300	313222C120AB	313222C120AC	313222C120AD	313222C120AE	POA
				16	400	313222C160AB	313222C160AC	313222C160AD	313222C160AE	\$ 2,070.10

HOW TO ORDER: Choose nominal pipe size, width and outlet size with thread configuration. EXAMPLE: 4" C900 O.D. 4.80, 8" wide with a 3/4 CC outlet. Order 3132- 4B x 8 X 3/4 CC. **Part Number:** 313204B080AB .



COATING OPTION: Anti-Seizing/Galling protection. Available for both Alloy and SST application. Inquire with sales for cost and availability.

3132 IRON LUG DOUBLE PANEL TAPPED REPAIR CLAMP (LARGE OUTLETS)

PANEL: Type 304 (18-8) Stainless Steel per ASTM A240.

GASKET: SBR Chek-O-Seal with multi o-ring sealing ribs from 100% new rubber to ensure performance under varying pressures with superior storage characteristics. Suitable for mild acids, water and salt media with a temperature range of -25°F to +200°F per ASTM D2000 . Other materials available.

ARMOR PLATE: Type 304 (18-8) Stainless Steel per ASTM A240, recessed and bonded to the gasket.

BOLTS & NUTS: Low Alloy Steel per ASTM A325, ASTM A563, and AWWA C111.

LUGS: Ductile Iron per ASTM A536.

OUTLET: Type 304 (18-8) Stainless Steel per ASTM A276.



Nominal Pipe Size		Pipe OD Range		Width		Outlet Size & Part Number				Price List
Inches	MM	Inches	MM	Inches	MM	1 1/4" NPT	1 1/2" NPT	1 1/4" CC	1 1/2" CC	
3	75	3.49-4.29	89-109	8	200	3132030800AG	3132030800AI	3132030800AF	3132030800AH	\$ 253.40
				10	250	3132030100AG	3132030100AI	3132030100AF	3132030100AH	\$ 290.50
				12	300	3132030120AG	3132030120AI	3132030120AF	3132030120AH	\$ 353.30
				16	400	3132030160AG	3132030160AI	3132030160AF	3132030160AH	\$ 416.10
4A	100	4.44 - 5.24	113-133	8	200	313204A080AG	313204A080AI	313204A080AF	313204A080AH	\$ 266.70
				10	250	313204A100AG	313204A100AI	313204A100AF	313204A100AH	\$ 327.00
				12	300	313204A120AG	313204A120AI	313204A120AF	313204A120AH	\$ 372.60
				16	400	313204A160AG	313204A160AI	313204A160AF	313204A160AH	\$ 445.20
4B	100	4.74 - 5.57	120-141	8	200	313204B080AG	313204B080AI	313204B080AF	313204B080AH	\$ 266.70
				10	250	313204B100AG	313204B100AI	313204B100AF	313204B100AH	\$ 327.00
				12	300	313204B120AG	313204B120AI	313204B120AF	313204B120AH	\$ 372.60
				16	400	313204B160AG	313204B160AI	313204B160AF	313204B160AH	\$ 445.20
6A	150	6.62 - 7.42	168-188	8	200	313206A080AG	313206A080AI	313206A080AF	313206A080AH	\$ 296.60
				10	250	313206A100AG	313206A100AI	313206A100AF	313206A100AH	\$ 257.60
				12	300	313206A120AG	313206A120AI	313206A120AF	313206A120AH	\$ 401.40
				16	400	313206A160AG	313206A160AI	313206A160AF	313206A160AH	\$ 504.40
6B	150	6.84 - 7.64	174-194	10	250	313206B100AG	313206B100AI	313206B100AF	313206B100AH	\$ 362.90
				12	300	313206B120AG	313206B120AI	313206B120AF	313206B120AH	\$ 409.20
				16	400	313206B160AG	313206B160AI	313206B160AF	313206B160AH	\$ 505.00
				8	200	313208A080AG	313208A080AI	313208A080AF	313208A080AH	\$ 324.20
8A	200	8.62 - 9.42	219-239	10	250	313208A100AG	313208A100AI	313208A100AF	313208A100AH	\$ 386.00
				12	300	313208A120AG	313208A120AI	313208A120AF	313208A120AH	\$ 440.00
				16	400	313208A160AG	313208A160AI	313208A160AF	313208A160AH	\$ 558.50
				8	200	313208B080AG	313208B080AI	313208B080AF	313208B080AH	\$ 329.30
8B	200	8.99 - 9.79	228-249	10	250	313208B100AG	313208B100AI	313208B100AF	313208B100AH	\$ 393.70
				12	300	313208B120AG	313208B120AI	313208B120AF	313208B120AH	\$ 445.20
				16	400	313208B160AG	313208B160AI	313208B160AF	313208B160AH	\$ 562.60
				8	200	313208B080AG	313208B080AI	313208B080AF	313208B080AH	\$ 329.30

3132 IRON LUG DOUBLE PANEL TAPPED REPAIR CLAMP (LARGE OUTLETS)

Nominal Pipe Size		Pipe OD Range		Width		Outlet Size & Part Number				Price List
Inches	MM	Inches	MM	Inches	MM	1 1/4" NPT	1 1/2" NPT	1 1/4" CC	1 1/2" CC	
10A	250	10.75 - 11.55	273-293	8	200	313210A080AG	313210A080AI	313210A080AF	313210A080AH	\$ 406.50
				10	250	313210A100AG	313210A100AI	313210A100AF	313210A100AH	\$ 487.80
				12	300	313210A120AG	313210A120AI	313210A120AF	313210A120AH	\$ 583.70
				16	400	313210A160AG	313210A160AI	313210A160AF	313210A160AH	\$ 688.20
10B	250	11.10 - 11.90	282-302	8	200	313210B100AG	313210B100AI	313210B100AF	313210B100AH	\$ 413.10
				10	250	313210B100AG	313210B100AI	313210B100AF	313210B100AH	\$ 495.70
				12	300	313210B120AG	313210B120AI	313210B120AF	313210B120AH	\$ 658.80
				16	400	313210B160AG	313210B160AI	313210B160AF	313210B160AH	\$ 705.30
10D	250	11.60 - 12.40	295-315	8	200	313210D080AG	313210D080AI	313210D080AF	313210D080AH	\$ 413.10
				10	250	313210D100AG	313210D100AI	313210D100AF	313210D100AH	\$ 495.70
				12	300	313210D120AG	313210D120AI	313210D120AF	313210D120AH	\$ 658.80
				16	400	313210D160AG	313210D160AI	313210D160AF	313210D160AH	\$ 705.30
12A	300	12.75 - 13.55	324-344	8	200	313212A080AG	313212A080AI	313212A080AF	313212A080AH	POA
				10	250	313212A100AG	313212A100AI	313212A100AF	313212A100AH	\$ 537.90
				12	300	313212A120AG	313212A120AI	313212A120AF	313212A120AH	\$ 650.30
				16	400	313212A160AG	313212A160AI	313212A160AF	313212A160AH	\$ 762.70
12B	300	13.20 - 14.00	335-356	8	200	313212B080AG	313212B080AI	313212B080AF	313212B080AH	POA
				10	250	313212B100AG	313212B100AI	313212B100AF	313212B100AH	\$ 543.00
				12	300	313212B120AG	313212B120AI	313212B120AF	313212B120AH	\$ 764.40
				16	400	313212B160AG	313212B160AI	313212B160AF	313212B160AH	\$ 673.90
12D	300	13.65 - 14.45	347-367	8	200	313212D080AG	313212D080AI	313212D080AF	313212D080AH	POA
				10	250	313212D100AG	313212D100AI	313212D100AF	313212D100AH	\$ 543.00
				12	300	313212D120AG	313212D120AI	313212D120AF	313212D120AH	\$ 764.40
				16	400	313212D160AG	313212D160AI	313212D160AF	313212D160AH	\$ 673.90
14A	350	14.38 - 15.13	365-384	8	200	313214A080AG	313214A080AI	313214A080AF	313214A080AH	POA
				10	250	313214A100AG	313214A100AI	313214A100AF	313214A100AH	\$ 805.20
				12	300	313214A120AG	313214A120AI	313214A120AF	313214A120AH	\$ 961.40
				16	400	313214A160AG	313214A160AI	313214A160AF	313214A160AH	\$ 1,116.20
14B	350	15.07 - 15.82	383-402	8	200	313214B080AG	313214B080AI	313214B080AF	313214B080AH	POA
				10	250	313214B100AG	313214B100AI	313214B100AF	313214B100AH	\$ 805.20
				12	300	313214B120AG	313214B120AI	313214B120AF	313214B120AH	\$ 961.40
				16	400	313214B160AG	313214B160AI	313214B160AF	313214B160AH	\$ 1,116.20
16A	400	15.92 - 16.67	404-423	8	200	313216A080AG	313216A080AI	313216A080AF	313216A080AH	POA
				10	250	313216A100AG	313216A100AI	313216A100AF	313216A100AH	\$ 840.00
				12	300	313216A120AG	313216A120AI	313216A120AF	313216A120AH	\$ 1,009.10
				16	400	313216A160AG	313216A160AI	313216A160AF	313216A160AH	\$ 1,172.80
16B	400	16.56 - 17.31	421-440	8	200	313216B080AG	313216B080AI	313216B080AF	313216B080AH	POA
				10	250	313216B100AG	313216B100AI	313216B100AF	313216B100AH	\$ 840.00
				12	300	313216B120AG	313216B120AI	313216B120AF	313216B120AH	\$ 961.40
				16	400	313216B160AG	313216B160AI	313216B160AF	313216B160AH	\$ 1,172.80

3132 IRON LUG DOUBLE PANEL TAPPED REPAIR CLAMP (LARGE OUTLETS)

Nominal Pipe Size		Pipe OD Range		Width		Outlet Size & Part Number				Price List
Inches	MM	Inches	MM	Inches	MM	1 1/4" NPT	1 1/2" NPT	1 1/4" CC	1 1/2" CC	
16C	400	17.15 - 17.90	436-455	8	200	313216C080AG	313216C080AI	313216C080AF	313216C080AH	POA
				10	250	313216C100AG	313216C100AI	313216C100AF	313216C100AH	\$ 840.00
				12	300	313216C120AG	313216C120AI	313216C120AF	313216C120AH	\$ 1,009.10
				16	400	313216C160AG	313216C160AI	313216C160AF	313216C160AH	\$ 1,172.80
18A	450	17.82 - 18.57	453-472	8	200	313218A080AG	313218A080AI	313218A080AF	313218A080AH	POA
				10	250	313218A100AG	313218A100AI	313218A100AF	313218A100AH	POA
				12	300	313218A120AG	313218A120AI	313218A120AF	313218A120AH	\$ 1,029.70
				16	400	313218A160AG	313218A160AI	313218A160AF	313218A160AH	\$ 1,196.40
18B	450	18.46 - 19.21	469-488	8	200	313218B080AG	313218B080AI	313218B080AF	313218B080AH	POA
				10	250	313218B100AG	313218B100AI	313218B100AF	313218B100AH	POA
				12	300	313218B120AG	313218B120AI	313218B120AF	313218B120AH	\$ 1,029.70
				16	400	313218B160AG	313218B160AI	313218B160AF	313218B160AH	\$ 1,196.40
18C	450	19.23 - 19.98	488-507	8	200	313218C080AG	313218C080AI	313218C080AF	313218C080AH	POA
				10	250	313218C100AG	313218C100AI	313218C100AF	313218C100AH	POA
				12	300	313218C120AG	313218C120AI	313218C120AF	313218C120AH	\$ 1,029.70
				16	400	313218C160AG	313218C160AI	313218C160AF	313218C160AH	\$ 1,196.40
20A	500	19.90 - 20.65	505-525	8	200	313220A080AG	313220A080AI	313220A080AF	313220A080AH	POA
				10	250	313220A100AG	313220A100AI	313220A100AF	313220A100AH	POA
				12	300	313220A120AG	313220A120AI	313220A120AF	313220A120AH	POA
				16	400	313220A160AG	313220A160AI	313220A160AF	313220A160AH	\$ 1,281.70
20B	500	20.70 - 21.45	526-545	8	200	313220B080AG	313220B080AI	313220B080AF	313220B080AH	POA
				10	250	313220B100AG	313220B100AI	313220B100AF	313220B100AH	POA
				12	300	313220B120AG	313220B120AI	313220B120AF	313220B120AH	POA
				16	400	313220B160AG	313220B160AI	313220B160AF	313220B160AH	\$ 1,281.70
22A	550	21.52 - 22.27	547-566	8	200	313222A080AG	313222A080AI	313222A080AF	313222A080AH	POA
				10	250	313222A100AG	313222A100AI	313222A100AF	313222A100AH	POA
				12	300	313222A120AG	313222A120AI	313222A120AF	313222A120AH	POA
				16	400	313222A160AG	313222A160AI	313222A160AF	313222A160AH	\$ 2,091.30
22B	550	22.12 - 22.87	562-581	8	200	313222B080AG	313222B080AI	313222B080AF	313222B080AH	POA
				10	250	313222B100AG	313222B100AI	313222B100AF	313222B100AH	POA
				12	300	313222B120AG	313222B120AI	313222B120AF	313222B120AH	POA
				16	400	313222B160AG	313222B160AI	313222B160AF	313222B160AH	\$ 2,091.30
22C	550	22.90 - 23.65	582-601	8	200	313222C080AG	313222C080AI	313222C080AF	313222C080AH	POA
				10	250	313222C100AG	313222C100AI	313222C100AF	313222C100AH	POA
				12	300	313222C120AG	313222C120AI	313222C120AF	313222C120AH	POA
				16	400	313222C160AG	313222C160AI	313222C160AF	313222C160AH	\$ 2,091.30

HOW TO ORDER: Choose nominal pipe size, width and outlet size with thread configuration. EXAMPLE: 8" DIP O.D. 9.05, 12" wide with a 2" NPT outlet. Order 3132- 8B x 12 X 2 NPT. **Part Number:**313208B120AK

3132 IRON LUG DOUBLE PANEL TAPPED REPAIR CLAMP (LARGE OUTLETS)

PANEL: Type 304 (18-8) Stainless Steel per ASTM A240.

GASKET: SBR Chek-O-Seal with multi o-ring sealing ribs from 100% new rubber to ensure performance under varying pressures with superior storage characteristics. Suitable for mild acids, water and salt media with a temperature range of -25°F to +200°F per ASTM D2000 . Other materials available.

ARMOR PLATE: Type 304 (18-8) Stainless Steel per ASTM A240, recessed and bonded to the gasket.

BOLTS & NUTS: Low Alloy Steel per ASTM A325, ASTM A563, and AWWA C111.

LUGS: Ductile Iron per ASTM A536.

OUTLET: Type 304 (18-8) Stainless Steel per ASTM A276.



Nominal Pipe Size		Pipe OD Range		Width		Outlet Size & Part Number		Price List
Inches	MM	Inches	MM	Inches	MM	2" CC	2" NPT	
3	75	3.49-4.29	89-109	8	200	3132030800AJ	3132030800AK	POA
				10	250	3132030100AJ	3132030100AK	POA
				12	300	3132030120AJ	3132030120AK	POA
				16	400	3132030160AJ	3132030160AK	POA
4A	100	4.44 - 5.24	113-133	8	200	313204A080AJ	313204A080AK	\$ 286.80
				10	250	313204A100AJ	313204A100AK	\$ 347.10
				12	300	313204A120AJ	313204A120AK	\$ 392.70
				16	400	313204A160AJ	313204A160AK	\$ 465.30
4B	100	4.74 - 5.57	120-141	8	200	313204B080AJ	313204B080AK	\$ 286.80
				10	250	313204B100AJ	313204B100AK	\$ 347.10
				12	300	313204B120AJ	313204B120AK	\$ 392.70
				16	400	313204B160AJ	313204B160AK	\$ 465.30
6A	150	6.62 - 7.42	168-188	8	200	313206A080AJ	313206A080AK	\$ 316.70
				10	250	313206A100AJ	313206A100AK	\$ 377.80
				12	300	313206A120AJ	313206A120AK	\$ 421.50
				16	400	313206A160AJ	313206A160AK	\$ 524.60
6B	150	6.84 - 7.64	174-194	10	250	313206B100AJ	313206B100AK	\$ 383.00
				12	300	313206B120AJ	313206B120AK	\$ 429.30
				16	400	313206B160AJ	313206B160AK	\$ 525.10
8A	200	8.62 - 9.42	219-239	8	200	313208A080AJ	313208A080AK	\$ 344.20
				10	250	313208A100AJ	313208A100AK	\$ 406.00
				12	300	313208A120AJ	313208A120AK	\$ 460.20
				16	400	313208A160AJ	313208A160AK	\$ 578.60
8B	200	8.99 - 9.79	228-249	8	200	313208B080AJ	313208B080AK	\$ 349.40
				10	250	313208B100AJ	313208B100AK	\$ 413.80
				12	300	313208B120AJ	313208B120AK	\$ 465.30
				16	400	313208B160AJ	313208B160AK	\$ 582.80
10A	250	10.75 - 11.55	273-293	8	200	313210A080AJ	313210A080AK	\$ 423.20
				10	250	313210A100AJ	313210A100AK	\$ 507.80
				12	300	313210A120AJ	313210A120AK	\$ 603.80
				16	400	313210A160AJ	313210A160AK	\$ 708.20

3132 IRON LUG DOUBLE PANEL TAPPED REPAIR CLAMP (LARGE OUTLETS)

Nominal Pipe Size		Pipe OD Range		Width		Outlet Size & Part Number		Price List
Inches	MM	Inches	MM	Inches	MM	2" CC	2" NPT	
10B	250	11.10 - 11.90	282-302	8	200	313210B080AJ	313210B080AK	\$ 429.90
				10	250	313210B100AJ	313210B100AK	\$ 515.80
				12	300	313210B120AJ	313210B120AK	\$ 678.90
				16	400	313210B160AJ	313210B160AK	\$ 725.40
10D	250	11.60 - 12.40	295-315	8	200	313210D080AJ	313210D080AK	\$ 429.90
				10	250	313210D100AJ	313210D100AK	\$ 515.80
				12	300	313210D120AJ	313210D120AK	\$ 678.90
				16	400	313210D160AJ	313210D160AK	\$ 725.40
12A	300	12.75 - 13.55	324-344	8	200	313212A080AJ	313212A080AK	POA
				10	250	313212A100AJ	313212A100AK	\$ 558.00
				12	300	313212A120AJ	313212A120AK	\$ 670.40
				16	400	313212A160AJ	313212A160AK	\$ 782.80
12B	300	13.20 - 14.00	335-356	8	200	313212B080AJ	313212B080AK	POA
				10	250	313212B100AJ	313212B100AK	\$ 653.80
				12	300	313212B120AJ	313212B120AK	\$ 563.10
				16	400	313212B160AJ	313212B160AK	\$ 784.60
12D	300	13.65 - 14.45	347-367	8	200	313212D080AJ	313212D080AK	POA
				10	250	313212D100AJ	313212D100AK	\$ 653.80
				12	300	313212D120AJ	313212D120AK	\$ 563.10
				16	400	313212D160AJ	313212D160AK	\$ 784.60
14A	350	14.38 - 15.13	365-384	8	200	313214A080AJ	313214A080AK	POA
				10	250	313214A100AJ	313214A100AK	\$ 822.30
				12	300	313214A120AJ	313214A120AK	\$ 981.50
				16	400	313214A160AJ	313214A160AK	\$ 1,136.30
14B	350	15.07 - 15.82	383-402	8	200	313214B080AJ	313214B080AK	POA
				10	250	313214B100AJ	313214B100AK	\$ 822.30
				12	300	313214B120AJ	313214B120AK	\$ 981.50
				16	400	313214B160AJ	313214B160AK	\$ 1,136.30
16A	400	15.92 - 16.67	404-423	8	200	313216A080AJ	313216A080AK	POA
				10	250	313216A100AJ	313216A100AK	\$ 860.10
				12	300	313216A120AJ	313216A120AK	\$ 1,029.70
				16	400	313216A160AJ	313216A160AK	\$ 1,192.90
16B	400	16.56 - 17.31	421-440	8	200	313216B080AJ	313216B080AK	POA
				10	250	313216B100AJ	313216B100AK	\$ 860.10
				12	300	313216B120AJ	313216B120AK	\$ 1,029.70
				16	400	313216B160AJ	313216B160AK	\$ 1,192.90
16C	400	17.15 - 17.90	436-455	8	200	313216C080AJ	313216C080AK	POA
				10	250	313216C100AJ	313216C100AK	\$ 860.10
				12	300	313216C120AJ	313216C120AK	\$ 1,029.70
				16	400	313216C160AJ	313216C160AK	\$ 1,192.90
18A	450	17.82 - 18.57	453-472	8	200	313218A080AJ	313218A080AK	POA
				10	250	313218A100AJ	313218A100AK	POA
				12	300	313218A120AJ	313218A120AK	\$ 1,049.80
				16	400	313218A160AJ	313218A160AK	\$ 1,216.50

3132 IRON LUG DOUBLE PANEL TAPPED REPAIR CLAMP (LARGE OUTLETS)

Nominal Pipe Size		Pipe OD Range		Width		Outlet Size & Part Number		Price List
Inches	MM	Inches	MM	Inches	MM	2" CC	2" NPT	
18B	450	18.46 - 19.21	469-488	8	200	313218B080AJ	313218B080AK	POA
				10	250	313218B100AJ	313218B100AK	POA
				12	300	313218B120AJ	313218B120AK	\$ 1,049.80
				16	400	313218B160AJ	313218B160AK	\$ 1,216.50
18C	450	19.23 - 19.98	488-507	8	200	313218C080AJ	313218C080AK	POA
				10	250	313218C100AJ	313218C100AK	POA
				12	300	313218C120AJ	313218C120AK	\$ 1,049.80
				16	400	313218C160AJ	313218C160AK	\$ 1,216.50
20A	500	19.90 - 20.65	505-525	8	200	313220A080AJ	313220A080AK	POA
				10	250	313220A100AJ	313220A100AK	POA
				12	300	313220A120AJ	313220A120AK	POA
				16	400	313220A160AJ	313220A160AK	\$ 1,299.10
20B	500	20.70 - 21.45	526-545	8	200	313220B080AJ	313220B080AK	POA
				10	250	313220B100AJ	313220B100AK	POA
				12	300	313220B120AJ	313220B120AK	POA
				16	400	313220B160AJ	313220B160AK	\$ 1,299.10
22A	550	21.52 - 22.27	547-566	8	200	313222A080AJ	313222A080AK	POA
				10	250	313222A100AJ	313222A100AK	POA
				12	300	313222A120AJ	313222A120AK	POA
				16	400	313222A160AJ	313222A160AK	\$ 2,111.40
22B	550	22.12 - 22.87	562-581	8	200	313222A080AJ	313222A080AK	POA
				10	250	313222A100AJ	313222A100AK	POA
				12	300	313222A120AJ	313222A120AK	POA
				16	400	313222B160AJ	313222B160AK	\$ 2,111.40
22C	550	22.90 - 23.65	582-601	8	200	313222C080AJ	313222C080AK	POA
				10	250	313222C100AJ	313222C100AK	POA
				12	300	313222C120AJ	313222C120AK	POA
				16	400	313222C160AJ	313222C160AK	\$ 2,111.40

HOW TO ORDER: Choose nominal pipe size, width and outlet size with thread configuration. EXAMPLE: 8" DIP O.D. 9.05, 12" wide with a 2" NPT outlet. Order 3132- 8B x 12 X 2 NPT. **Part Number:**313208B120AK .



COATING OPTION: Anti-Seizing/Galling protection. Available for both Alloy and SST application. Inquire with sales for cost and availability

3132 IRON LUG DOUBLE PANEL TAPPED REPAIR CLAMP SS BOLTS (SMALL OUTLETS)

PANEL: Type 304 (18-8) Stainless Steel per ASTM A240.

GASKET: SBR Chek-O-Seal with multi o-ring sealing ribs from 100% new rubber to ensure performance under varying pressures with superior storage characteristics. Suitable for mild acids, water and salt media with a temperature range of -25°F to +200°F per ASTM D2000 . Other materials available.

ARMOR PLATE: Type 304 (18-8) Stainless Steel per ASTM A240, recessed and bonded to the gasket.

BOLTS & NUTS: Type 304 (18-8) Stainless Steel per ASTM A193 and A194. **NOTE:** Hex nuts are furnished with fusion bonded coating to prevent seizing and/or galling.

LUGS: Ductile Iron per ASTM A536.

OUTLET: Type 304 (18-8) Stainless Steel per ASTM A276.



Nominal Pipe Size		Pipe OD Range		Width		Outlet Size & Part Number				Price List
Inches	MM	Inches	MM	Inches	MM	3/4 CC	3/4 NPT	1 CC	1 NPT	
3	75	3.49-4.29	89-109	8	200	3132030080BB	3132030080BC	3132030080BD	3132030080BE	\$ 301.50
				10	250	3132030100BB	3132030100BC	3132030100BD	3132030100BE	\$ 377.90
				12	300	3132030120BB	3132030120BC	3132030120BD	3132030120BE	\$ 421.20
				16	400	3132030160BB	3132030160BC	3132030160BD	3132030160BE	\$ 531.60
4A	100	4.44 - 5.24	113-133	8	200	313204A080BB	313204A080BC	313204A080BD	313204A080BE	\$ 328.60
				10	250	313204A100BB	313204A100BC	313204A100BD	313204A100BE	\$ 420.30
				12	300	313204A120BB	313204A120BC	313204A120BD	313204A120BE	\$ 466.20
				16	400	313204A160BB	313204A160BC	313204A160BD	313204A160BE	\$ 593.60
4B	100	4.74 - 5.57	120-141	8	200	313204B080BB	313204B080BC	313204B080BD	313204B080BE	\$ 328.60
				10	250	313204B100BB	313204B100BC	313204B100BD	313204B100BE	\$ 420.30
				12	300	313204B120BB	313204B120BC	313204B120BD	313204B120BE	\$ 466.20
				16	400	313204B160BB	313204B160BC	313204B160BD	313204B160BE	\$ 593.60
6A	150	6.62 - 7.42	168-188	8	200	313206A080BB	313206A080BC	313206A080BD	313206A080BE	\$ 359.10
				10	250	313206A100BB	313206A100BC	313206A100BD	313206A100BE	\$ 450.90
				12	300	313206A120BB	313206A120BC	313206A120BD	313206A120BE	\$ 529.90
				16	400	313206A160BB	313206A160BC	313206A160BD	313206A160BE	\$ 634.40
6B	150	6.84 - 7.64	174-194	8	200	313206B080BB	313206B080BC	313206B080BD	313206B080BE	\$ 361.70
				10	250	313206B100BB	313206B100BC	313206B100BD	313206B100BE	\$ 456.00
				12	300	313206B120BB	313206B120BC	313206B120BD	313206B120BE	\$ 535.00
				16	400	313206B160BB	313206B160BC	313206B160BD	313206B160BE	\$ 670.00
8A	200	8.62 - 9.42	219-239	8	200	313208A080BB	313208A080BC	313208A080BD	313208A080BE	\$ 387.20
				10	250	313208A100BB	313208A100BC	313208A100BD	313208A100BE	\$ 484.00
				12	300	313208A120BB	313208A120BC	313208A120BD	313208A120BE	\$ 565.60
				16	400	313208A160BB	313208A160BC	313208A160BD	313208A160BE	\$ 715.90
8B	200	8.99 - 9.79	228-249	8	200	313208B080BB	313208B080BC	313208B080BD	313208B080BE	\$ 397.30
				10	250	313208B100BB	313208B100BC	313208B100BD	313208B100BE	\$ 491.60
				12	300	313208B120BB	313208B120BC	313208B120BD	313208B120BE	\$ 573.20
				16	400	313208B160BB	313208B160BC	313208B160BD	313208B160BE	\$ 731.20

3132 IRON LUG DOUBLE PANEL TAPPED REPAIR CLAMP SS BOLTS (SMALL OUTLETS)

Nominal Pipe Size		Pipe OD Range		Width		Outlet Size & Part Number				Price List
Inches	MM	Inches	MM	Inches	MM	3/4 CC	3/4 NPT	1 CC	1 NPT	
10A	250	10.75 - 11.55	273-293	8	200	313210A080BB	313210A080BC	313210A080BD	313210A080BE	\$ 527.10
				10	250	313210A100BB	313210A100BC	313210A100BD	313210A100BE	\$ 652.20
				12	300	313210A120BB	313210A120BC	313210A120BD	313210A120BE	\$ 717.40
				16	400	313210A160BB	313210A160BC	313210A160BD	313210A160BE	\$ 838.70
10B	250	11.10 - 11.90	282-302	8	200	313210B080BB	313210B080BC	313210B080BD	313210B080BE	\$ 535.30
				10	250	313210B100BB	313210B100BC	313210B100BD	313210B100BE	\$ 662.40
				12	300	313210B120BB	313210B120BC	313210B120BD	313210B120BE	\$ 754.90
				16	400	313210B160BB	313210B160BC	313210B160BD	313210B160BE	\$ 932.50
10D	250	11.60 - 12.40	295-315	8	200	313210D080BB	313210D080BC	313210D080BD	313210D080BE	\$ 535.30
				10	250	313210D100BB	313210D100BC	313210D100BD	313210D100BE	\$ 662.40
				12	300	313210D120BB	313210D120BC	313210D120BD	313210D120BE	\$ 754.90
				16	400	313210D160BB	313210D160BC	313210D160BD	313210D160BE	\$ 932.50
12A	300	12.75 - 13.55	324-344	8	200	313212A080BB	313212A080BC	313212A080BD	313212A080BE	POA
				10	250	313212A100BB	313212A100BC	313212A100BD	313212A100BE	\$ 707.80
				12	300	313212A120BB	313212A120BC	313212A120BD	313212A120BE	\$ 749.90
				16	400	313212A160BB	313212A160BC	313212A160BD	313212A160BE	\$ 978.40
12B	300	13.20 - 14.00	335-356	8	200	313212B080BB	313212B080BC	313212B080BD	313212B080BE	POA
				10	250	313212B100BB	313212B100BC	313212B100BD	313212B100BE	\$ 707.80
				12	300	313212B120BB	313212B120BC	313212B120BD	313212B120BE	\$ 749.90
				16	400	313212B160BB	313212B160BC	313212B160BD	313212B160BE	\$ 978.40
12D	300	13.65 - 14.45	347-367	8	200	313212D080BB	313212D080BC	313212D080BD	313212D080BE	POA
				10	250	313212D100BB	313212D100BC	313212D100BD	313212D100BE	\$ 707.80
				12	300	313212D120BB	313212D120BC	313212D120BD	313212D120BE	\$ 749.90
				16	400	313212D160BB	313212D160BC	313212D160BD	313212D160BE	\$ 978.40
14A	350	14.38 - 15.13	365-384	8	200	313214A080BB	313214A080BC	313214A080BD	313214A080BE	POA
				10	250	313214A100BB	313214A100BC	313214A100BD	313214A100BE	\$ 1,021.10
				12	300	313214A120BB	313214A120BC	313214A120BD	313214A120BE	\$ 1,237.10
				16	400	313214A160BB	313214A160BC	313214A160BD	313214A160BE	\$ 1,454.00
14B	350	15.07 - 15.82	383-402	8	200	313214B080BB	313214B080BC	313214B080BD	313214B080BE	POA
				10	250	313214B100BB	313214B100BC	313214B100BD	313214B100BE	\$ 1,021.10
				12	300	313214B120BB	313214B120BC	313214B120BD	313214B120BE	\$ 1,237.10
				16	400	313214B160BB	313214B160BC	313214B160BD	313214B160BE	\$ 1,454.00
16A	400	15.92 - 16.67	404-423	8	200	313216A080BB	313216A080BC	313216A080BD	313216A080BE	POA
				10	250	313216A100BB	313216A100BC	313216A100BD	313216A100BE	\$ 1,112.40
				12	300	313216A120BB	313216A120BC	313216A120BD	313216A120BE	\$ 1,347.30
				16	400	313216A160BB	313216A160BC	313216A160BD	313216A160BE	\$ 1,584.50
16B	400	16.56 - 17.31	421-440	8	200	313216B080BB	313216B080BC	313216B080BD	313216B080BE	POA
				10	250	313216B100BB	313216B100BC	313216B100BD	313216B100BE	\$ 1,112.40
				12	300	313216B120BB	313216B120BC	313216B120BD	313216B120BE	\$ 1,347.30
				16	400	313216B160BB	313216B160BC	313216B160BD	313216B160BE	\$ 1,584.50

3132 IRON LUG DOUBLE PANEL TAPPED REPAIR CLAMP SS BOLTS (SMALL OUTLETS)

Nominal Pipe Size		Pipe OD Range		Width		Outlet Size & Part Number				Price List
Inches	MM	Inches	MM	Inches	MM	3/4 CC	3/4 NPT	1 CC	1 NPT	
16C	400	17.15 - 17.90	436-455	8	200	313216C080BB	313216C080BC	313216C080BD	313216C080BE	POA
				10	250	313216C100BB	313216C100BC	313216C100BD	313216C100BE	\$ 1,112.40
				12	300	313216C120BB	313216C120BC	313216C120BD	313216C120BE	\$ 1,347.30
				16	400	313216C160BB	313216C160BC	313216C160BD	313216C160BE	\$ 1,584.50
18A	450	17.82 - 18.57	453-472	8	200	313218A080BB	313218A080BC	313218A080BD	313218A080BE	POA
				10	250	313218A100BB	313218A100BC	313218A100BD	313218A100BE	POA
				12	300	313218A120BB	313218A120BC	313218A120BD	313218A120BE	\$ 1,432.80
				16	400	313218A160BB	313218A160BC	313218A160BD	313218A160BE	\$ 1,675.40
18B	450	18.46 - 19.21	469-488	8	200	313218B080BB	313218B080BC	313218B080BD	313218B080BE	POA
				10	250	313218B100BB	313218B100BC	313218B100BD	313218B100BE	POA
				12	300	313218B120BB	313218B120BC	313218B120BD	313218B120BE	\$ 1,432.80
				16	400	313218B160BB	313218B160BC	313218B160BD	313218B160BE	\$ 1,675.40
18C	450	19.23 - 19.98	488-507	8	200	313218C080BB	313218C080BC	313218C080BD	313218C080BE	POA
				10	250	313218C100BB	313218C100BC	313218C100BD	313218C100BE	POA
				12	300	313218C120BB	313218C120BC	313218C120BD	313218C120BE	\$ 1,432.80
				16	400	313218C160BB	313218C160BC	313218C160BD	313218C160BE	\$ 1,675.40
20A	500m	19.90 - 20.65	505-525	8	200	313220A080BB	313220A080BC	313220A080BD	313220A080BE	POA
				10	250	313220A100BB	313220A100BC	313220A100BD	313220A100BE	POA
				12	300	313220A120BB	313220A120BC	313220A120BD	313220A120BE	POA
				16	400	313220A160BB	313220A160BC	313220A160BD	313220A160BE	\$ 1,701.80
20B	500	20.70 - 21.45	526-545	8	200	313220B080BB	313220B080BC	313220B080BD	313220B080BE	POA
				10	250	313220B100BB	313220B100BC	313220B100BD	313220B100BE	POA
				12	300	313220B120BB	313220B120BC	313220B120BD	313220B120BE	POA
				16	400	313220B160BB	313220B160BC	313220B160BD	313220B160BE	\$ 1,701.80
22A	550	21.52 - 22.27	547-566	8	200	313222A080BB	313222A080BC	313222A080BD	313222A080BE	POA
				10	250	313222A100BB	313222A100BC	313222A100BD	313222A100BE	POA
				12	300	313222A120BB	313222A120BC	313222A120BD	313222A120BE	POA
				16	400	313222A160BB	313222A160BC	313222A160BD	313222A160BE	\$ 2,713.30
22B	550	22.12 - 22.87	562-581	8	200	313222B080BB	313222B080BC	313222B080BD	313222B080BE	POA
				10	250	313222B100BB	313222B100BC	313222B100BD	313222B100BE	POA
				12	300	313222B120BB	313222B120BC	313222B120BD	313222B120BE	POA
				16	400	313222B160BB	313222B160BC	313222B160BD	313222B160BE	\$ 2,713.30
22C	550	22.90 - 23.65	582-601	8	200	313222C080BB	313222C080BC	313222C080BD	313222C080BE	POA
				10	250	313222C100BB	313222C100BC	313222C100BD	313222C100BE	POA
				12	300	313222C120BB	313222C120BC	313222C120BD	313222C120BE	POA
				16	400	313222C160BB	313222C160BC	313222C160BD	313222C160BE	\$ 2,713.30

HOW TO ORDER: Choose nominal pipe size, width and outlet size with thread configuration. EXAMPLE: 8" DIP O.D. 9.05, 12" wide with a 1" CC outlet. Order 3132- 8B x 12 X 1 CC. **Part Number:** 313208B120BD.

3132 IRON LUG DOUBLE PANEL TAPPED REPAIR CLAMP SS BOLTS (LARGE OUTLETS)

PANEL: Type 304 (18-8) Stainless Steel per ASTM A240.

GASKET: SBR Chek-O-Seal with multi o-ring sealing ribs from 100% new rubber to ensure performance under varying pressures with superior storage characteristics. Suitable for mild acids, water and salt media with a temperature range of -25°F to +200°F per ASTM D2000 . Other materials available.

ARMOR PLATE: Type 304 (18-8) Stainless Steel per ASTM A240, recessed and bonded to the gasket.

BOLTS & NUTS: Type 304 (18-8) Stainless Steel per ASTM A193 and A194. **NOTE:** Hex nuts are furnished with fusion bonded coating to prevent seizing and/or galling.

LUGS: Ductile Iron per ASTM A536.

OUTLET: Type 304 (18-8) Stainless Steel per ASTM A276.



Nominal Pipe Size		Pipe OD Range		Width		Outlet Size & Part Number				Price List
Inches	MM	Inches	MM	Inches	MM	1 1/4" NPT	1 1/2" NPT	1 1/4" CC	1 1/2" CC	
3	75	3.49-4.29	89-109	8	200	3132030080BG	3132030080BI	3132030080BF	3132030080BH	\$ 322.70
				10	250	3132030100BG	3132030100BI	3132030100BF	3132030100BH	\$ 399.10
				12	300	3132030120BG	3132030120BI	3132030120BF	3132030120BH	\$ 442.40
				16	400	3132030160BG	3132030160BI	3132030160BF	3132030160BH	\$ 552.80
4A	100	4.44 - 5.24	113-133	8	200	313204A080BG	313204A080BI	313204A080BF	313204A080BH	\$ 349.70
				10	250	313204A100BG	313204A100BI	313204A100BF	313204A100BH	\$ 441.40
				12	300	313204A120BG	313204A120BI	313204A120BF	313204A120BH	\$ 487.30
				16	400	313204A160BG	313204A160BI	313204A160BF	313204A160BH	\$ 614.70
4B	100	4.74 - 5.57	120-141	8	200	313204B080BG	313204B080BI	313204B080BF	313204B080BH	\$ 349.70
				10	250	313204B100BG	313204B100BI	313204B100BF	313204B100BH	\$ 441.40
				12	300	313204B120BG	313204B120BI	313204B120BF	313204B120BH	\$ 487.30
				16	400	313204B160BG	313204B160BI	313204B160BF	313204B160BH	\$ 614.70
6A	150	6.62 - 7.42	168-188	8	200	313206A080BG	313206A080BI	313206A080BF	313206A080BH	\$ 380.30
				10	250	313206A100BG	313206A100BI	313206A100BF	313206A100BH	\$ 472.00
				12	300	313206A120BG	313206A120BI	313206A120BF	313206A120BH	\$ 551.00
				16	400	313206A160BG	313206A160BI	313206A160BF	313206A160BH	\$ 655.50
6B	150	6.84 - 7.64	174-194	8	200	313206B080BG	313206B080BI	313206B080BF	313206B080BH	\$ 382.80
				10	250	313206B100BG	313206B100BI	313206B100BF	313206B100BH	\$ 477.10
				12	300	313206B120BG	313206B120BI	313206B120BF	313206B120BH	\$ 556.10
				16	400	313206B160BG	313206B160BI	313206B160BF	313206B160BH	\$ 691.20
8A	200	8.62 - 9.42	219-239	8	200	313208A080BG	313208A080BI	313208A080BF	313208A080BH	\$ 408.30
				10	250	313208A100BG	313208A100BI	313208A100BF	313208A100BH	\$ 505.10
				12	300	313208A120BG	313208A120BI	313208A120BF	313208A120BH	\$ 586.70
				16	400	313208A160BG	313208A160BI	313208A160BF	313208A160BH	\$ 737.00
8B	200	8.99 - 9.79	228-249	8	200	313208B080BG	313208B080BI	313208B080BF	313208B080BH	\$ 418.50
				10	250	313208B100BG	313208B100BI	313208B100BF	313208B100BH	\$ 512.80
				12	300	313208B120BG	313208B120BI	313208B120BF	313208B120BH	\$ 594.30
				16	400	313208B160BG	313208B160BI	313208B160BF	313208B160BH	\$ 752.30

3132 IRON LUG DOUBLE PANEL TAPPED REPAIR CLAMP SS BOLTS (LARGE OUTLETS)

Nominal Pipe Size		Pipe OD Range		Width		Outlet Size & Part Number				Price List
Inches	MM	Inches	MM	Inches	MM	1 1/4" NPT	1 1/2" NPT	1 1/4" CC	1 1/2" CC	
10A	250	10.75 - 11.55	273-293	8	200	313210A080BG	313210A080BI	313210A080BF	313210A080BH	\$ 551.90
				10	250	313210A100BG	313210A100BI	313210A100BF	313210A100BH	\$ 673.30
				12	300	313210A120BG	313210A120BI	313210A120BF	313210A120BH	\$ 702.30
				16	400	313210A160BG	313210A160BI	313210A160BF	313210A160BH	\$ 946.00
10B	250	11.10 - 11.90	282-302	8	200	313210B080BG	313210B080BI	313210B080BF	313210B080BH	\$ 560.30
				10	250	313210B100BG	313210B100BI	313210B100BF	313210B100BH	\$ 683.50
				12	300	313210B120BG	313210B120BI	313210B120BF	313210B120BH	\$ 777.90
				16	400	313210B160BG	313210B160BI	313210B160BF	313210B160BH	\$ 953.70
10C	250	11.04 - 12.24	280-311	8	200	313210C080BG	313210C080BI	313210C080BF	313210C080BH	\$ 560.30
				10	250	313210C100BG	313210C100BI	313210C100BF	313210C100BH	\$ 683.50
				12	300	313210C120BG	313210C120BI	313210C120BF	313210C120BH	\$ 777.90
				16	400	313210C160BG	313210C160BI	313210C160BF	313210C160BH	\$ 953.70
10D	250	11.60 - 12.40	295-315	8	200	313210D080BG	313210D080BI	313210D080BF	313210D080BH	\$ 560.30
				10	250	313210D100BG	313210D100BI	313210D100BF	313210D100BH	\$ 683.50
				12	300	313210D120BG	313210D120BI	313210D120BF	313210D120BH	\$ 777.90
				16	400	313210D160BG	313210D160BI	313210D160BF	313210D160BH	\$ 953.70
12A	300	12.75 - 13.55	324-344	8	200	313212A080BG	313212A080BI	313212A080BF	313212A080BH	POA
				10	250	313212A100BG	313212A100BI	313212A100BF	313212A100BH	\$ 721.80
				12	300	313212A120BG	313212A120BI	313212A120BF	313212A120BH	\$ 767.50
				16	400	313212A160BG	313212A160BI	313212A160BF	313212A160BH	\$ 989.30
12B	300	13.20 - 14.00	335-356	8	200	313212B080BG	313212B080BI	313212B080BF	313212B080BH	POA
				10	250	313212B100BG	313212B100BI	313212B100BF	313212B100BH	\$ 728.90
				12	300	313212B120BG	313212B120BI	313212B120BF	313212B120BH	\$ 771.00
				16	400	313212B160BG	313212B160BI	313212B160BF	313212B160BH	\$ 999.50
12D	300	13.65 - 14.45	347-367	8	200	313212D080BG	313212D080BI	313212D080BF	313212D080BH	POA
				10	250	313212D100BG	313212D100BI	313212D100BF	313212D100BH	\$ 728.90
				12	300	313212D120BG	313212D120BI	313212D120BF	313212D120BH	\$ 771.00
				16	400	313212D160BG	313212D160BI	313212D160BF	313212D160BH	\$ 999.50
14A	350	14.38 - 15.13	365-384	8	200	313214A080BG	313214A080BI	313214A080BF	313214A080BH	POA
				10	250	313214A100BG	313214A100BI	313214A100BF	313214A100BH	\$ 1,042.20
				12	300	313214A120BG	313214A120BI	313214A120BF	313214A120BH	\$ 1,258.30
				16	400	313214A160BG	313214A160BI	313214A160BF	313214A160BH	\$ 1,475.20
14B	350	15.07 - 15.82	383-402	8	200	313214B080BG	313214B080BI	313214B080BF	313214B080BH	POA
				10	250	313214B100BG	313214B100BI	313214B100BF	313214B100BH	\$ 957.60
				12	300	313214B120BG	313214B120BI	313214B120BF	313214B120BH	\$ 1,173.60
				16	400	313214B160BG	313214B160BI	313214B160BF	313214B160BH	\$ 1,390.60
16A	400	15.92 - 16.67	404-423	8	200	313216A080BG	313216A080BI	313216A080BF	313216A080BH	POA
				10	250	313216A100BG	313216A100BI	313216A100BF	313216A100BH	\$ 1,133.70
				12	300	313216A120BG	313216A120BI	313216A120BF	313216A120BH	\$ 1,368.50
				16	400	313216A160BG	313216A160BI	313216A160BF	313216A160BH	\$ 1,605.20

3132 IRON LUG DOUBLE PANEL TAPPED REPAIR CLAMP SS BOLTS (LARGE OUTLETS)

Nominal Pipe Size		Pipe OD Range		Width		Outlet Size & Part Number				Price List
Inches	MM	Inches	MM	Inches	MM	1 1/4" NPT	1 1/2" NPT	1 1/4" CC	1 1/2" CC	
16B	400	16.56 - 17.31	421-440	8	200	313216B080BG	313216B080BI	313216B080BF	313216B080BH	POA
				10	250	313216B100BG	313216B100BI	313216B100BF	313216B100BH	\$ 1,049.00
				12	300	313216B120BG	313216B120BI	313216B120BF	313216B120BH	\$ 1,283.80
				16	400	313216B160BG	313216B160BI	313216B160BF	313216B160BH	\$ 1,520.50
16C	400	17.15 - 17.90	436-455	8	200	313216C080BG	313216C080BI	313216C080BF	313216C080BH	POA
				10	250	313216C100BG	313216C100BI	313216C100BF	313216C100BH	\$ 1,133.60
				12	300	313216C120BG	313216C120BI	313216C120BF	313216C120BH	\$ 1,368.50
				16	400	313216C160BG	313216C160BI	313216C160BF	313216C160BH	\$ 1,605.20
18A	450	17.82 - 18.57	453-472	8	200	313218A080BG	313218A080BI	313218A080BF	313218A080BH	POA
				10	250	313218A100BG	313218A100BI	313218A100BF	313218A100BH	POA
				12	300	313218A120BG	313218A120BI	313218A120BF	313218A120BH	\$ 1,369.40
				16	400	313218A160BG	313218A160BI	313218A160BF	313218A160BH	\$ 1,611.90
18B	450	18.46 - 19.21	469-488	8	200	313218B080BG	313218B080BI	313218B080BF	313218B080BH	POA
				10	250	313218B100BG	313218B100BI	313218B100BF	313218B100BH	POA
				12	300	313218B120BG	313218B120BI	313218B120BF	313218B120BH	\$ 1,454.00
				16	400	313218B160BG	313218B160BI	313218B160BF	313218B160BH	\$ 1,696.60
18C	450	19.23 - 19.98	488-507	8	200	313218C080BG	313218C080BI	313218C080BF	313218C080BH	POA
				10	250	313218C100BG	313218C100BI	313218C100BF	313218C100BH	POA
				12	300	313218C120BG	313218C120BI	313218C120BF	313218C120BH	\$ 1,369.30
				16	400	313218C160BG	313218C160BI	313218C160BF	313218C160BH	\$ 1,611.90
20A	500m	19.90 - 20.65	505-525	8	200	313220A080BG	313220A080BI	313220A080BF	313220A080BH	POA
				10	250	313220A100BG	313220A100BI	313220A100BF	313220A100BH	POA
				12	300	313220A120BG	313220A120BI	313220A120BF	313220A120BH	POA
				16	400	313220A160BG	313220A160BI	313220A160BF	313220A160BH	\$ 1,723.00
20B	500	20.70 - 21.45	526-545	8	200	313220B080BG	313220B080BI	313220B080BF	313220B080BH	POA
				10	250	313220B100BG	313220B100BI	313220B100BF	313220B100BH	POA
				12	300	313220B120BG	313220B120BI	313220B120BF	313220B120BH	POA
				16	400	313220B160BG	313220B160BI	313220B160BF	313220B160BH	\$ 1,638.30
22A	550	21.52 - 22.27	547-566	8	200	313222A080BG	313222A080BI	313222A080BF	313222A080BH	POA
				10	250	313222A100BG	313222A100BI	313222A100BF	313222A100BH	POA
				12	300	313222A120BG	313222A120BI	313222A120BF	313222A120BH	POA
				16	400	313222A160BG	313222A160BI	313222A160BF	313222A160BH	\$ 2,798.00
22B	550	22.12 - 22.87	562-581	8	200	313222B080BG	313222B080BI	313222B080BF	313222B080BH	POA
				10	250	313222B100BG	313222B100BI	313222B100BF	313222B100BH	POA
				12	300	313222B120BG	313222B120BI	313222B120BF	313222B120BH	POA
				16	400	313222B160BG	313222B160BI	313222B160BF	313222B160BH	\$ 2,713.30
22C	550	22.90 - 23.65	582-601	8	200	313222C080BG	313222C080BI	313222C080BF	313222C080BH	POA
				10	250	313222C100BG	313222C100BI	313222C100BF	313222C100BH	POA
				12	300	313222C120BG	313222C120BI	313222C120BF	313222C120BH	POA
				16	400	313222C160BG	313222C160BI	313222C160BF	313222C160BH	\$ 2,798.00

HOW TO ORDER: Choose nominal pipe size, width and outlet size with thread configuration. EXAMPLE: 8" DIP O.D. 9.05, 12" wide with a 2" CC outlet. Order 3132- 8B x 12 X 2 CC. **Part Number:** 313208B120BJ.

3132 IRON LUG DOUBLE PANEL TAPPED REPAIR CLAMP SS BOLTS (LARGE OUTLETS)

PANEL: Type 304 (18-8) Stainless Steel per ASTM A240.

GASKET: SBR Chek-O-Seal with multi o-ring sealing ribs from 100% new rubber to ensure performance under varying pressures with superior storage characteristics. Suitable for mild acids, water and salt media with a temperature range of -25°F to +200°F per ASTM D2000 . Other materials available.

ARMOR PLATE: Type 304 (18-8) Stainless Steel per ASTM A240, recessed and bonded to the gasket.

BOLTS & NUTS: Type 304 (18-8) Stainless Steel per ASTM A193 and A194. **NOTE:** Hex nuts are furnished with fusion bonded coating to prevent seizing and/or galling.

LUGS: Ductile Iron per ASTM A536.

OUTLET: Type 304 (18-8) Stainless Steel per ASTM A276.



Nominal Pipe Size		Pipe OD Range		Width		Outlet Size & Part Number		Price List
Inches	MM	Inches	MM	Inches	MM	2" CC	2" NPT	
3	75	3.49-4.29	89-109	8	200	3132030080BJ	3132030080BK	POA
				10	250	3132030100BJ	3132030100BK	POA
				12	300	3132030120BJ	3132030120BK	POA
				16	400	3132030160BJ	3132030160BK	POA
4A	100	4.44 - 5.24	113-133	8	200	313204A080BJ	313204A080BK	\$ 369.80
				10	250	313204A100BJ	313204A100BK	\$ 461.60
				12	300	313204A120BJ	313204A120BK	\$ 507.40
				16	400	313204A160BJ	313204A160BK	\$ 634.80
4B	100	4.74 - 5.57	120-141	8	200	313204B080BJ	313204B080BK	\$ 369.80
				10	250	313204B100BJ	313204B100BK	\$ 461.60
				12	300	313204B120BJ	313204B120BK	\$ 507.40
				16	400	313204B160BJ	313204B160BK	\$ 634.80
6A	150	6.62 - 7.42	168-188	8	200	313206A080BJ	313206A080BK	\$ 400.40
				10	250	313206A100BJ	313206A100BK	\$ 492.10
				12	300	313206A120BJ	313206A120BK	\$ 571.10
				16	400	313206A160BJ	313206A160BK	\$ 675.60
6B	150	6.84 - 7.64	174-194	8	200	313206B080BJ	313206B080BK	\$ 402.90
				10	250	313206B100BJ	313206B100BK	\$ 497.20
				12	300	313206B120BJ	313206B120BK	\$ 576.20
				16	400	313206B160BJ	313206B160BK	\$ 711.30
8A	200	8.62 - 9.42	219-239	8	200	313208A080BJ	313208A080BK	\$ 428.40
				10	250	313208A100BJ	313208A100BK	\$ 525.20
				12	300	313208A120BJ	313208A120BK	\$ 606.80
				16	400	313208A160BJ	313208A160BK	\$ 757.20
8B	200	8.99 - 9.79	228-249	8	200	313208B080BJ	313208B080BK	\$ 438.60
				10	250	313208B100BJ	313208B100BK	\$ 532.90
				12	300	313208B120BJ	313208B120BK	\$ 614.40
				16	400	313208B160BJ	313208B160BK	\$ 772.40

3132 IRON LUG DOUBLE PANEL TAPPED REPAIR CLAMP SS BOLTS (LARGE OUTLETS)

Nominal Pipe Size		Pipe OD Range		Width		Outlet Size & Part Number		Price List
Inches	MM	Inches	MM	Inches	MM	2" CC	2" NPT	
10A	250	10.75 - 11.55	273-293	8	200	313210A080BJ	313210A080BK	\$ 568.40
				10	250	313210A100BJ	313210A100BK	\$ 693.40
				12	300	313210A120BJ	313210A120BK	\$ 722.50
				16	400	313210A160BJ	313210A160BK	\$ 966.10
10B	250	11.10 - 11.90	282-302	8	200	313210B080BJ	313210B080BK	\$ 576.70
				10	250	313210B100BJ	313210B100BK	\$ 703.60
				12	300	313210B120BJ	313210B120BK	\$ 796.10
				16	400	313210B160BJ	313210B160BK	\$ 973.80
10C	250	11.04 - 12.24	280-311	8	200	313210C080BJ	313210C080BK	\$ 576.70
				10	250	313210C100BJ	313210C100BK	\$ 703.60
				12	300	313210C120BJ	313210C120BK	\$ 796.10
				16	400	313210C160BJ	313210C160BK	\$ 973.80
10D	250	11.60 - 12.40	295-315	8	200	313210D080BJ	313210D080BK	\$ 576.70
				10	250	313210D100BJ	313210D100BK	\$ 703.60
				12	300	313210D120BJ	313210D120BK	\$ 796.10
				16	400	313210D160BJ	313210D160BK	\$ 973.80
12A	300	12.75 - 13.55	324-344	8	200	313212A080BJ	313212A080BK	POA
				10	250	313212A100BJ	313212A100BK	\$ 741.90
				12	300	313212A120BJ	313212A120BK	\$ 787.60
				16	400	313212A160BJ	313212A160BK	\$ 991.00
12B	300	13.20 - 14.00	335-356	8	200	313212B080BJ	313212B080BK	POA
				10	250	313212B100BJ	313212B100BK	\$ 749.00
				12	300	313212B120BJ	313212B120BK	\$ 791.10
				16	400	313212B160BJ	313212B160BK	\$ 1,009.40
12D	300	13.65 - 14.45	347-367	8	200	313212D080BJ	313212D080BK	POA
				10	250	313212D100BJ	313212D100BK	\$ 749.00
				12	300	313212D120BJ	313212D120BK	\$ 791.10
				16	400	313212D160BJ	313212D160BK	\$ 1,009.40
14A	350	14.38 - 15.13	365-384	8	200	313214A080BJ	313214A080BK	POA
				10	250	313214A100BJ	313214A100BK	\$ 1,062.30
				12	300	313214A120BJ	313214A120BK	\$ 1,278.40
				16	400	313214A160BJ	313214A160BK	\$ 1,495.30
14B	350	15.07 - 15.82	383-402	8	200	313214B080BJ	313214B080BK	POA
				10	250	313214B100BJ	313214B100BK	\$ 957.60
				12	300	313214B120BJ	313214B120BK	\$ 1,173.60
				16	400	313214B160BJ	313214B160BK	\$ 1,390.60
16A	400	15.92 - 16.67	404-423	8	200	313216A080BJ	313216A080BK	POA
				10	250	313216A100BJ	313216A100BK	\$ 1,153.80
				12	300	313216A120BJ	313216A120BK	\$ 1,388.60
				16	400	313216A160BJ	313216A160BK	\$ 1,625.30

3132 IRON LUG DOUBLE PANEL TAPPED REPAIR CLAMP SS BOLTS (LARGE OUTLETS)

Nominal Pipe Size		Pipe OD Range		Width		Outlet Size & Part Number		Price List
Inches	MM	Inches	MM	Inches	MM	2" CC	2" NPT	
16B	400	16.56 - 17.31	421-440	8	200	313216B080BJ	313216B080BK	POA
				10	250	313216B100BJ	313216B100BK	\$ 1,049.00
				12	300	313216B120BJ	313216B120BK	\$ 1,283.80
				16	400	313216B160BJ	313216B160BK	\$ 1,520.50
16C	400	17.15 - 17.90	436-455	8	200	313216C080BJ	313216C080BK	POA
				10	250	313216C100BJ	313216C100BK	\$ 1,153.70
				12	300	313216C120BJ	313216C120BK	\$ 1,388.60
				16	400	313216C160BJ	313216C160BK	\$ 1,625.30
18A	450	17.82 - 18.57	453-472	8	200	313218A080BJ	313218A080BK	POA
				10	250	313218A100BJ	313218A100BK	POA
				12	300	313218A120BJ	313218A120BK	\$ 1,369.40
				16	400	313218A160BJ	313218A160BK	\$ 1,611.90
18B	450	18.46 - 19.21	469-488	8	200	313218B080BJ	313218B080BK	POA
				10	250	313218B100BJ	313218B100BK	POA
				12	300	313218B120BJ	313218B120BK	\$ 1,474.10
				16	400	313218B160BJ	313218B160BK	\$ 1,716.70
18C	450	19.23 - 19.98	488-507	8	200	313218C080BJ	313218C080BK	POA
				10	250	313218C100BJ	313218C100BK	POA
				12	300	313218C120BJ	313218C120BK	\$ 1,369.30
				16	400	313218C160BJ	313218C160BK	\$ 1,611.90
20A	500m	19.90 - 20.65	505-525	8	200	313220A080BJ	313220A080BK	POA
				10	250	313220A100BJ	313220A100BK	POA
				12	300	313220A120BJ	313220A120BK	POA
				16	400	313220A160BJ	313220A160BK	\$ 1,743.10
20B	500	20.70 - 21.45	526-545	8	200	313220B080BJ	313220B080BK	POA
				10	250	313220B100BJ	313220B100BK	POA
				12	300	313220B120BJ	313220B120BK	POA
				16	400	313220B160BJ	313220B160BK	\$ 1,638.30
22A	550	21.52 - 22.27	547-566	8	200	313222A080BJ	313222A080BK	POA
				10	250	313222A100BJ	313222A100BK	POA
				12	300	313222A120BJ	313222A120BK	POA
				16	400	313222A160BJ	313222A160BK	\$ 2,818.10
22B	550	22.12 - 22.87	562-581	8	200	313222B080BJ	313222B080BK	POA
				10	250	313222B100BJ	313222B100BK	POA
				12	300	313222B120BJ	313222B120BK	POA
				16	400	313222B160BJ	313222B160BK	\$ 2,713.30
22C	550	22.90 - 23.65	582-601	8	200	313222C080BJ	313222C080BK	POA
				10	250	313222C100BJ	313222C100BK	POA
				12	300	313222C120BJ	313222C120BK	POA
				16	400	313222C160BJ	313222C160BK	\$ 2,818.10

HOW TO ORDER: Choose nominal pipe size, width and outlet size with thread configuration. EXAMPLE: 8" DIP O.D. 9.05, 12" wide with a 2" CC outlet. Order 3132- 8B x 12 X 2 CC. **Part Number:** 313208B120BJ.

3131AS ALL STAINLESS SINGLE PANEL TAPPED REPAIR CLAMP (SMALL OUTLETS)

PANEL & LIFTER BAR: Type 304 (18-8) Stainless Steel per ASTM A240.

GASKET: SBR Chek-O-Seal with multi o-ring sealing ribs from 100% new rubber to ensure performance under varying pressures with superior storage characteristics. Suitable for mild acids, water and salt media with a temperature range of -25°F to +200°F per ASTM D2000. Other materials available.

ARMOR PLATE: Type 304 (18-8) Stainless Steel per ASTM A240, recessed and bonded to the gasket.

BOLTS & NUTS: Type 304 (18-8) Stainless Steel per ASTM A193 and A194. NOTE: Hex nuts are furnished with fusion bonded coating to prevent seizing and galling.

LUGS: Type 304 (18-8) Stainless Steel per ASTM A240.

WASHERS: Delrin per ASTM D6778.

OUTLET: Type 304 (18-8) Stainless Steel per ASTM A276.



Nominal Pipe Size		Pipe OD Range		Width		Outlet Size & Part Number				Price List
Inches	MM	Inches	MM	Inches	MM	3/4 CC	3/4 NPT	1 CC	1 NPT	
2	50	2.35-2.63	60-67	8	200	3131020080CB	3131020080CC	3131020080CD	3131020080CE	\$ 186.80
				10	250	3131020100CB	3131020100CC	3131020100CD	3131020100CE	\$ 233.00
				12	300	3131020120CB	3131020120CC	3131020120CD	3131020120CE	\$ 265.00
				16	400	3131020160CB	3131020160CC	3131020160CD	3131020160CE	\$ 288.10
2 1/2	63	2.70-3.00	69-77	8	200	3131025080CB	3131025080CC	3131025080CD	3131025080CE	\$ 191.60
				10	250	3131025100CB	3131025100CC	3131025100CD	3131025100CE	\$ 239.00
				12	300	3131025120CB	3131025120CC	3131025120CD	3131025120CE	\$ 269.80
				16	400	3131025160CB	3131025160CC	3131025160CD	3131025160CE	\$ 286.60
3A	75	2.97 - 3.25	75 - 83	8	200	313103A080CB	313103A080CC	313103A080CD	313103A080CE	\$ 197.70
				10	250	313103A100CB	313103A100CC	313103A100CD	313103A100CE	\$ 241.90
				12	300	313103A120CB	313103A120CC	313103A120CD	313103A120CE	\$ 272.50
				16	400	313103A160CB	313103A160CC	313103A160CD	313103A160CE	\$ 308.30
3B	75	3.46 - 3.70	88 - 94	8	200	313103B080CB	313103B080CC	313103B080CD	313103B080CE	\$ 199.30
				10	250	313103B100CB	313103B100CC	313103B100CD	313103B100CE	\$ 248.60
				12	300	313103B120CB	313103B120CC	313103B120CD	313103B120CE	\$ 280.10
				16	400	313103B160CB	313103B160CC	313103B160CD	313103B160CE	\$ 314.80
3C	75	3.73 - 4.00	95 - 102	8	200	313103C080CB	313103C080CC	313103C080CD	313103C080CE	\$ 199.30
				10	250	313103C100CB	313103C100CC	313103C100CD	313103C100CE	\$ 248.60
				12	300	313103C120CB	313103C120CC	313103C120CD	313103C120CE	\$ 280.10
				16	400	313103C160CB	313103C160CC	313103C160CD	313103C160CE	\$ 314.80
3D	75	3.96 - 4.25	101 - 108	8	200	313103D080CB	313103D080CC	313103D080CD	313103D080CE	\$ 199.30
				10	250	313103D100CB	313103D100CC	313103D100CD	313103D100CE	\$ 248.60
				12	300	313103D120CB	313103D120CC	313103D120CD	313103D120CE	\$ 280.10
				16	400	313103D160CB	313103D160CC	313103D160CD	313103D160CE	\$ 314.80
4A	100	4.45 - 4.73	112 - 120	8	200	313104A080CB	313104A080CC	313104A080CD	313104A080CE	\$ 202.60
				10	250	313104A100CB	313104A100CC	313104A100CD	313104A100CE	\$ 252.30
				12	300	313104A120CB	313104A120CC	313104A120CD	313104A120CE	\$ 283.50
				16	400	313104A160CB	313104A160CC	313104A160CD	313104A160CE	\$ 318.50

3131AS ALL STAINLESS SINGLE PANEL TAPPED REPAIR CLAMP (SMALL OUTLETS)

Nominal Pipe Size		Pipe OD Range		Width		Outlet Size & Part Number				Price List
Inches	MM	Inches	MM	Inches	MM	3/4 CC	3/4 NPT	1 CC	1 NPT	
4B	100	4.74 - 5.14	119 - 131	8	200	313104B080CB	313104B080CC	313104B080CD	313104B080CE	\$ 212.00
				10	250	313104B100CB	313104B100CC	313104B100CD	313104B100CE	\$ 261.90
				12	300	313104B120CB	313104B120CC	313104B120CD	313104B120CE	\$ 294.70
				16	400	313104B160CB	313104B160CC	313104B160CD	313104B160CE	\$ 320.50
4C	100	4.95 - 5.35	126 - 136	8	200	313104C080CB	313104C080CC	313104C080CD	313104C080CE	\$ 215.30
				10	250	313104C100CB	313104C100CC	313104C100CD	313104C100CE	\$ 263.10
				12	300	313104C120CB	313104C120CC	313104C120CD	313104C120CE	\$ 296.00
				16	400	313104C160CB	313104C160CC	313104C160CD	313104C160CE	\$ 321.70
4D	100	5.22 - 5.62	133 - 143	8	200	313104D080CB	313104D080CC	313104D080CD	313104D080CE	\$ 215.30
				10	250	313104D100CB	313104D100CC	313104D100CD	313104D100CE	\$ 263.10
				12	300	313104D120CB	313104D120CC	313104D120CD	313104D120CE	\$ 296.00
				16	400	313104D160CB	313104D160CC	313104D160CD	313104D160CE	\$ 321.70
6A	150	5.95 - 6.35	151 - 161	8	200	313106A080CB	313106A080CC	313106A080CD	313106A080CE	\$ 234.90
				10	250	313106A100CB	313106A100CC	313106A100CD	313106A100CE	\$ 300.90
				12	300	313106A120CB	313106A120CC	313106A120CD	313106A120CE	\$ 344.00
				16	400	313106A160CB	313106A160CC	313106A160CD	313106A160CE	\$ 372.50
6B	150	6.56 - 6.96	167 - 177	8	200	313106B080CB	313106B080CC	313106B080CD	313106B080CE	\$ 240.30
				10	250	313106B100CB	313106B100CC	313106B100CD	313106B100CE	\$ 302.50
				12	300	313106B120CB	313106B120CC	313106B120CD	313106B120CE	\$ 346.60
				16	400	313106B160CB	313106B160CC	313106B160CD	313106B160CE	\$ 375.10
6C	150	6.84 - 7.24	174 - 184	8	200	313106C080CB	313106C080CC	313106C080CD	313106C080CE	\$ 240.30
				10	250	313106C100CB	313106C100CC	313106C100CD	313106C100CE	\$ 302.50
				12	300	313106C120CB	313106C120CC	313106C120CD	313106C120CE	\$ 346.60
				16	400	313106C160CB	313106C160CC	313106C160CD	313106C160CE	\$ 375.10
6D	150	7.05 - 7.45	179 - 189	8	200	313106D080CB	313106D080CC	313106D080CD	313106D080CE	\$ 240.30
				10	250	313106D100CB	313106D100CC	313106D100CD	313106D100CE	\$ 302.50
				12	300	313106D120CB	313106D120CC	313106D120CD	313106D120CE	\$ 346.60
				16	400	313106D160CB	313106D160CC	313106D160CD	313106D160CE	\$ 375.10
6E	150	7.45 - 7.85	189 - 199	8	200	313106E080CB	313106E080CC	313106E080CD	313106E080CE	\$ 240.30
				10	250	313106E100CB	313106E100CC	313106E100CD	313106E100CE	\$ 302.50
				12	300	313106E120CB	313106E120CC	313106E120CD	313106E120CE	\$ 346.60
				16	400	313106E160CB	313106E160CC	313106E160CD	313106E160CE	\$ 375.10
8A	200	7.95 - 8.35	202 - 212	8	200	313108A080CB	313108A080CC	313108A080CD	313108A080CE	\$ 268.90
				10	250	313108A100CB	313108A100CC	313108A100CD	313108A100CE	\$ 335.00
				12	300	313108A120CB	313108A120CC	313108A120CD	313108A120CE	\$ 392.00
				16	400	313108A160CB	313108A160CC	313108A160CD	313108A160CE	\$ 439.90
8B	200	8.54 - 8.94	217 - 227	8	200	313108B080CB	313108B080CC	313108B080CD	313108B080CE	\$ 270.20
				10	250	313108B100CB	313108B100CC	313108B100CD	313108B100CE	\$ 336.30
				12	300	313108B120CB	313108B120CC	313108B120CD	313108B120CE	\$ 393.30
				16	400	313108B160CB	313108B160CC	313108B160CD	313108B160CE	\$ 442.50

3131AS ALL STAINLESS SINGLE PANEL TAPPED REPAIR CLAMP (SMALL OUTLETS)

Nominal Pipe Size		Pipe OD Range		Width		Outlet Size & Part Number				Price List
Inches	MM	Inches	MM	Inches	MM	3/4 CC	3/4 NPT	1 CC	1 NPT	
8C	200	8.99 - 9.39	228 - 239	8	200	313108C080CB	313108C080CC	313108C080CD	313108C080CE	\$ 270.20
				10	250	313108C100CB	313108C100CC	313108C100CD	313108C100CE	\$ 336.30
				12	300	313108C120CB	313108C120CC	313108C120CD	313108C120CE	\$ 393.30
				16	400	313108C160CB	313108C160CC	313108C160CD	313108C160CE	\$ 442.50
8D	200	9.27 - 9.67	235 - 246	8	200	313108D080CB	313108D080CC	313108D080CD	313108D080CE	\$ 270.20
				10	250	313108D100CB	313108D100CC	313108D100CD	313108D100CE	\$ 336.30
				12	300	313108D120CB	313108D120CC	313108D120CD	313108D120CE	\$ 393.30
				16	400	313108D160CB	313108D160CC	313108D160CD	313108D160CE	\$ 442.50
10A	250	9.70 - 10.10	246 - 257	8	200	313110A080CB	313110A080CC	313110A080CD	313110A080CE	\$ 340.20
				10	250	313110A100CB	313110A100CC	313110A100CD	313110A100CE	\$ 425.90
				12	300	313110A120CB	313110A120CC	313110A120CD	313110A120CE	\$ 494.60
				16	400	313110A160CB	313110A160CC	313110A160CD	313110A160CE	\$ 558.10
10B	250	10.64 - 11.04	270 - 280	8	200	313110B080CB	313110B080CC	313110B080CD	313110B080CE	\$ 340.20
				10	250	313110B100CB	313110B100CC	313110B100CD	313110B100CE	\$ 425.90
				12	300	313110B120CB	313110B120CC	313110B120CD	313110B120CE	\$ 494.60
				16	400	313110B160CB	313110B160CC	313110B160CD	313110B160CE	\$ 558.10
10C	250	11.04 - 11.44	280 - 291	8	200	313110C080CB	313110C080CC	313110C080CD	313110C080CE	\$ 340.20
				10	250	313110C100CB	313110C100CC	313110C100CD	313110C100CE	\$ 425.90
				12	300	313110C120CB	313110C120CC	313110C120CD	313110C120CE	\$ 494.60
				16	400	313110C160CB	313110C160CC	313110C160CD	313110C160CE	\$ 558.10
10D	250	11.34 - 11.74	288 - 298	8	200	313110D080CB	313110D080CC	313110D080CD	313110D080CE	\$ 340.20
				10	250	313110D100CB	313110D100CC	313110D100CD	313110D100CE	\$ 425.90
				12	300	313110D120CB	313110D120CC	313110D120CD	313110D120CE	\$ 494.60
				16	400	313110D160CB	313110D160CC	313110D160CD	313110D160CE	\$ 558.10
10E	250	11.75 - 12.15	298 - 309	8	200	313110E080CB	313110E080CC	313110E080CD	313110E080CE	\$ 340.20
				10	250	313110E100CB	313110E100CC	313110E100CD	313110E100CE	\$ 425.90
				12	300	313110E120CB	313110E120CC	313110E120CD	313110E120CE	\$ 494.60
				16	400	313110E160CB	313110E160CC	313110E160CD	313110E160CE	\$ 558.10
12A	300	12.00 - 12.40	305 - 315	8	200	313112A080CB	313112A080CC	313112A080CD	313112C080CE	\$ 377.00
				10	250	313112A100CB	313112A100CC	313112A100CD	313112A100CE	\$ 477.40
				12	300	313112A120CB	313112A120CC	313112A120CD	313112A120CE	\$ 562.30
				16	400	313112A160CB	313112A160CC	313112A160CD	313112A160CE	\$ 626.80
12B	300	12.62 - 13.02	321 - 331	8	200	313112B080CB	313112B080CC	313112B080CD	313112B080CE	\$ 377.00
				10	250	313112B100CB	313112B100CC	313112B100CD	313112B100CE	\$ 477.40
				12	300	313112B120CB	313112B120CC	313112B120CD	313112B120CE	\$ 562.30
				16	400	313112B160CB	313112B160CC	313112B160CD	313112B160CE	\$ 626.80
12C	300	13.10 - 13.50	333 - 343	8	200	313112C080CB	313112C080CC	313112C080CD	313112C080CE	\$ 377.00
				10	250	313112C100CB	313112C100CC	313112C100CD	313112C100CE	\$ 477.40
				12	300	313112C120CB	313112C120CC	313112C120CD	313112C120CE	\$ 562.30
				16	400	313112C160CB	313112C160CC	313112C160CD	313112C160CE	\$ 626.80

3131AS ALL STAINLESS SINGLE PANEL TAPPED REPAIR CLAMP (SMALL OUTLETS)

Nominal Pipe Size		Pipe OD Range		Width		Outlet Size & Part Number				Price List
Inches	MM	Inches	MM	Inches	MM	3/4 CC	3/4 NPT	1 CC	1 NPT	
12D	300	13.40 - 13.80	340 - 351	8	200	313112D080CB	313112D080CC	313112D080CD	313112D080CE	\$ 377.00
				10	250	313112D100CB	313112D100CC	313112D100CD	313112D100CE	\$ 477.40
				12	300	313112D120CB	313112D120CC	313112D120CD	313112D120CE	\$ 562.30
				16	400	313112D160CB	313112D160CC	313112D160CD	313112D160CE	\$ 626.80
12E	300	13.70 - 14.10	348 - 358	8	200	313112E080CB	313112E080CC	313112E080CD	313112E080CE	\$ 377.00
				10	250	313112E100CB	313112E100CC	313112E100CD	313112E100CE	\$ 477.40
				12	300	313112E120CB	313112E120CC	313112E120CD	313112E120CE	\$ 562.30
				16	400	313112E160CB	313112E160CC	313112E160CD	313112E160CE	\$ 626.80
12F	300	14.00 - 14.40	356 - 366	8	200	313112F080CB	313112F080CC	313112F080CD	313112F080CE	\$ 377.00
				10	250	313112F100CB	313112F100CC	313112F100CD	313112F100CE	\$ 477.40
				12	300	313112F120CB	313112F120CC	313112F120CD	313112F120CE	\$ 562.30
				16	400	313112F160CB	313112F160CC	313112F160CD	313112F160CE	\$ 626.80

HOW TO ORDER: Choose nominal pipe size, width and outlet size with thread configuration. EXAMPLE: 6" C900 O.D. 6.90 OD with 1 CC outlet 12" width. Order 3131AS- 6C X 12 X 1 CC. **Part Number:** 313106C120CD .



COATING OPTION: Anti-Seizing/Galling protection. Available for both Alloy and SST application. Inquire with sales for cost and availability.

3131AS ALL STAINLESS SINGLE PANEL TAPPED REPAIR CLAMP (LARGE OUTLETS)

PANEL & LIFTER BAR: Type 304 (18-8) Stainless Steel per ASTM A240.

GASKET: SBR Chek-O-Seal with multi o-ring sealing ribs from 100% new rubber to ensure performance under varying pressures with superior storage characteristics. Suitable for mild acids, water and salt media with a temperature range of -25°F to +200°F per ASTM D2000 . Other materials available.

ARMOR PLATE: Type 304 (18-8) Stainless Steel per ASTM A240, recessed and bonded to the gasket.

BOLTS & NUTS: Type 304 (18-8) Stainless Steel per ASTM A193 and A194. **NOTE:** Hex nuts are furnished with fusion bonded coating to prevent seizing and galling.

LUGS: Type 304 (18-8) Stainless Steel per ASTM A240.

WASHERS: Delrin per ASTM D6778.

OUTLET: Type 304 (18-8) Stainless Steel per ASTM A276.



Nominal Pipe Size		Pipe OD Range		Width		Outlet Size & Part Number				Price List
Inches	MM	Inches	MM	Inches	MM	1 1/4" NPT	1 1/2" NPT	1 1/4" CC	1 1/2" CC	
4A	100	4.45 - 4.73	113 - 120	8	200	313104A080CG	313104A080CI	313104A080CF	313104A080CH	\$ 233.30
				10	250	313104A100CG	313104A100CI	313104A100CF	313104A100CH	\$ 283.20
				12	300	313104A120CG	313104A120CI	313104A120CF	313104A120CH	\$ 316.00
				16	400	313104A160CG	313104A160CI	313104A160CF	313104A160CH	\$ 341.80
4B	100	4.74 - 5.14	120 - 131	8	200	313104B080CG	313104B080CI	313104B080CF	313104B080CH	\$ 236.60
				10	250	313104B100CG	313104B100CI	313104B100CF	313104B100CH	\$ 284.50
				12	300	313104B120CG	313104B120CI	313104B120CF	313104B120CH	\$ 317.40
				16	400	313104B160CG	313104B160CI	313104B160CF	313104B160CH	\$ 343.20
4C	100	4.95 - 5.35	126 - 136	8	200	313104C080CG	313104C080CI	313104C080CF	313104C080CH	\$ 236.60
				10	250	313104C100CG	313104C100CI	313104C100CF	313104C100CH	\$ 284.50
				12	300	313104C120CG	313104C120CI	313104C120CF	313104C120CH	\$ 317.40
				16	400	313104C160CG	313104C160CI	313104C160CF	313104C160CH	\$ 343.00
4D	100	5.22 - 5.62	133 - 143	8	200	313104D080CG	313104D080CI	313104D080CF	313104D080CH	\$ 236.60
				10	250	313104D100CG	313104D100CI	313104D100CF	313104D100CH	\$ 284.50
				12	300	313104D120CG	313104D120CI	313104D120CF	313104D120CH	\$ 317.40
				16	400	313104D160CG	313104D160CI	313104D160CF	313104D160CH	\$ 343.00
6A	150	5.95 - 6.35	151 - 161	8	200	313106A080CG	313106A080CI	313106A080CF	313106A080CH	\$ 256.30
				10	250	313106A100CG	313106A100CI	313106A100CF	313106A100CH	\$ 322.30
				12	300	313106A120CG	313106A120CI	313106A120CF	313106A120CH	\$ 365.40
				16	400	313106A160CG	313106A160CI	313106A160CF	313106A160CH	\$ 393.90
6B	150	6.56 - 6.96	167 - 177	8	200	313106B080CG	313106B080CI	313106B080CF	313106B080CH	\$ 256.30
				10	250	313106B100CG	313106B100CI	313106B100CF	313106B100CH	\$ 322.30
				12	300	313106B120CG	313106B120CI	313106B120CF	313106B120CH	\$ 365.40
				16	400	313106B160CG	313106B160CI	313106B160CF	313106B160CH	\$ 393.90
6C	150	6.84 - 7.24	174 - 184	8	200	313106C080CG	313106C080CI	313106C080CF	313106C080CH	\$ 261.70
				10	250	313106C100CG	313106C100CI	313106C100CF	313106C100CH	\$ 323.90
				12	300	313106C120CG	313106C120CI	313106C120CF	313106C120CH	\$ 368.00
				16	400	313106C160CG	313106C160CI	313106C160CF	313106C160CH	\$ 396.50

3131AS ALL STAINLESS SINGLE PANEL TAPPED REPAIR CLAMP (LARGE OUTLETS)

Nominal Pipe Size		Pipe OD Range		Width		Outlet Size & Part Number				Price List
Inches	MM	Inches	MM	Inches	MM	1 1/4" NPT	1 1/2" NPT	1 1/4" CC	1 1/2" CC	
6D	150	7.05 - 7.45	179 - 189	8	200	313106D080CG	313106D080CI	313106D080CF	313106D080CH	\$ 261.70
				10	250	313106D100CG	313106D100CI	313106D100CF	313106D100CH	\$ 323.90
				12	300	313106D120CG	313106D120CI	313106D120CF	313106D120CH	\$ 368.00
				16	400	313106D160CG	313106D160CI	313106D160CF	313106D160CH	\$ 396.50
6E	150	7.45 - 7.85	189 - 199	8	200	313106E080CG	313106E080CI	313106E080CF	313106E080CH	\$ 261.70
				10	250	313106E100CG	313106E100CI	313106E100CF	313106E100CH	\$ 323.90
				12	300	313106E120CG	313106E120CI	313106E120CF	313106E120CH	\$ 368.00
				16	400	313106E160CG	313106E160CI	313106E160CF	313106E160CH	\$ 396.50
8A	200	7.95 - 8.35	202 - 212	8	200	313108A080CG	313108A080CI	313108A080CF	313108A080CH	\$ 290.20
				10	250	313108A100CG	313108A100CI	313108A100CF	313108A100CH	\$ 356.30
				12	300	313108A120CG	313108A120CI	313108A120CF	313108A120CH	\$ 413.40
				16	400	313108A160CG	313108A160CI	313108A160CF	313108A160CH	\$ 461.30
8B	200	8.54 - 8.94	217 - 227	8	200	313108B080CG	313108B080CI	313108B080CF	313108B080CH	\$ 291.60
				10	250	313108B100CG	313108B100CI	313108B100CF	313108B100CH	\$ 357.60
				12	300	313108B120CG	313108B120CI	313108B120CF	313108B120CH	\$ 414.60
				16	400	313108B160CG	313108B160CI	313108B160CF	313108B160CH	\$ 463.90
8C	200	8.99 - 9.39	228 - 239	8	200	313108C080CG	313108C080CI	313108C080CF	313108C080CH	\$ 291.60
				10	250	313108C100CG	313108C100CI	313108C100CF	313108C100CH	\$ 357.60
				12	300	313108C120CG	313108C120CI	313108C120CF	313108C120CH	\$ 414.60
				16	400	313108C160CG	313108C160CI	313108C160CF	313108C160CH	\$ 463.90
8D	200	9.27 - 9.67	235 - 246	8	200	313108D080CG	313108D080CI	313108D080CF	313108D080CH	\$ 291.60
				10	250	313108D100CG	313108D100CI	313108D100CF	313108D100CH	\$ 357.60
				12	300	313108D120CG	313108D120CI	313108D120CF	313108D120CH	\$ 414.60
				16	400	313108D160CG	313108D160CI	313108D160CF	313108D160CH	\$ 463.90
10A	250	9.70 - 10.10	246 - 257	8	200	313110A080CG	313110A080CI	313110A080CF	313110A080CH	\$ 358.00
				10	250	313110A100CG	313110A100CI	313110A100CF	313110A100CH	\$ 443.70
				12	300	313110A120CG	313110A120CI	313110A120CF	313110A120CH	\$ 512.40
				16	400	313110A160CG	313110A160CI	313110A160CF	313110A160CH	\$ 575.90
10B	250	10.64 - 11.04	270 - 280	8	200	313110B080CG	313110B080CI	313110B080CF	313110B080CH	\$ 358.00
				10	250	313110B100CG	313110B100CI	313110B100CF	313110B100CH	\$ 443.70
				12	300	313110B120CG	313110B120CI	313110B120CF	313110B120CH	\$ 512.40
				16	400	313110B160CG	313110B160CI	313110B160CF	313110B160CH	\$ 575.90
10C	250	11.04 - 11.44	280 - 291	8	200	313110C080CG	313110C080CI	313110C080CF	313110C080CH	\$ 358.00
				10	250	313110C100CG	313110C100CI	313110C100CF	313110C100CH	\$ 443.70
				12	300	313110C120CG	313110C120CI	313110C120CF	313110C120CH	\$ 512.40
				16	400	313110C160CG	313110C160CI	313110C160CF	313110C160CH	\$ 575.90
10D	250	11.34 - 11.74	288 - 298	8	200	313110D080CG	313110D080CI	313110D080CF	313110D080CH	\$ 358.00
				10	250	313110D100CG	313110D100CI	313110D100CF	313110D100CH	\$ 443.70
				12	300	313110D120CG	313110D120CI	313110D120CF	313110D120CH	\$ 512.40
				16	400	313110D160CG	313110D160CI	313110D160CF	313110D160CH	\$ 575.90

3131AS ALL STAINLESS SINGLE PANEL TAPPED REPAIR CLAMP (LARGE OUTLETS)

Nominal Pipe Size		Pipe OD Range		Width		Outlet Size & Part Number				Price List
Inches	MM	Inches	MM	Inches	MM	1 1/4" NPT	1 1/2" NPT	1 1/4" CC	1 1/2" CC	
10E	250	11.75 - 12.15	298 - 309	8	200	313110E080CG	313110E080CI	313110E080CF	313110E080CH	\$ 358.00
				10	250	313110E100CG	313110E100CI	313110E100CF	313110E100CH	\$ 443.70
				12	300	313110E120CG	313110E120CI	313110E120CF	313110E120CH	\$ 512.40
				16	400	313110E160CG	313110E160CI	313110E160CF	313110E160CH	\$ 575.90
12A	300	12.00 - 12.40	305 - 315	8	200	313112A080CG	313112A080CI	313112A080CF	313112A080CH	\$ 394.80
				10	250	313112A100CG	313112A100CI	313112A100CF	313112A100CH	\$ 495.20
				12	300	313112A120CG	313112A120CI	313112A120CF	313112A120CH	\$ 580.10
				16	400	313112A160CG	313112A160CI	313112A160CF	313112A160CH	\$ 644.60
12B	300	12.62 - 13.02	321 - 331	8	200	313112B080CG	313112B080CI	313112B080CF	313112B080CH	\$ 394.80
				10	250	313112B100CG	313112B100CI	313112B100CF	313112B100CH	\$ 495.20
				12	300	313112B120CG	313112B120CI	313112B120CF	313112B120CH	\$ 580.10
				16	400	313112B160CG	313112B160CI	313112B160CF	313112B160CH	\$ 644.60
12C	300	13.10 - 13.50	333 - 343	8	200	313112C080CG	313112C080CI	313112C080CF	313112C080CH	\$ 394.80
				10	250	313112C100CG	313112C100CI	313112C100CF	313112C100CH	\$ 495.20
				12	300	313112C120CG	313112C120CI	313112C120CF	313112C120CH	\$ 580.10
				16	400	313112C160CG	313112C160CI	313112C160CF	313112C160CH	\$ 644.60
12D	300	13.40 - 13.80	340 - 351	8	200	313112D080CG	313112D080CI	313112D080CF	313112D080CH	\$ 394.80
				10	250	313112D100CG	313112D100CI	313112D100CF	313112D100CH	\$ 495.20
				12	300	313112D120CG	313112D120CI	313112D120CF	313112D120CH	\$ 580.10
				16	400	313112D160CG	313112D160CI	313112D160CF	313112D160CH	\$ 644.60
12E	300	13.70 - 14.10	348 - 358	8	200	313112E080CG	313112E080CI	313112E080CF	313112E080CH	\$ 394.80
				10	250	313112E100CG	313112E100CI	313112E100CF	313112E100CH	\$ 495.20
				12	300	313112E120CG	313112E120CI	313112E120CF	313112E120CH	\$ 580.10
				16	400	313112E160CG	313112E160CI	313112E160CF	313112E160CH	\$ 644.60
12F	300	14.00 - 14.40	356 - 366	8	200	313112F080CG	313112F080CI	313112F080CF	313112F080CH	\$ 394.80
				10	250	313112F100CG	313112F100CI	313112F100CF	313112F100CH	\$ 495.20
				12	300	313112F120CG	313112F120CI	313112F120CF	313112F120CH	\$ 580.10
				16	400	313112F160CG	313112F160CI	313112F160CF	313112F160CH	\$ 644.60

HOW TO ORDER: Choose nominal pipe size, width and outlet size with thread configuration. EXAMPLE: 6" C900 O.D. 6.90 OD with 2 NPT outlet 16" width. Order 3131AS- 6C X 16X 2 NPT. **Part Number:**313106C160CK .

3131AS ALL STAINLESS SINGLE PANEL TAPPED REPAIR CLAMP (LARGE OUTLETS)

PANEL & LIFTER BAR: Type 304 (18-8) Stainless Steel per ASTM A240.

GASKET: SBR Chek-O-Seal with multi o-ring sealing ribs from 100% new rubber to ensure performance under varying pressures with superior storage characteristics. Suitable for mild acids, water and salt media with a temperature range of -25°F to +200°F per ASTM D2000.

Other materials available.

ARMOR PLATE: Type 304 (18-8) Stainless Steel per ASTM A240, recessed and bonded to the gasket.

BOLTS & NUTS: Type 304 (18-8) Stainless Steel per ASTM A193 and A194. **NOTE:** Hex nuts are furnished with fusion bonded coating to prevent seizing and galling.

LUGS: Type 304 (18-8) Stainless Steel per ASTM A240.

WASHERS: Delrin per ASTM D6778.

OUTLET: Type 304 (18-8) Stainless Steel per ASTM A276.



Nominal Pipe Size		Pipe OD Range		Width		Price List	Outlet Size & Part Number		Price List
Inches	MM	Inches	MM	Inches	MM		2" CC	2" NPT	
4A	100	4.45 - 4.73	113 - 120	8	200	\$ 233.30	313104A080CJ	313104A080CK	\$ 253.60
				10	250	\$ 283.20	313104A100CJ	313104A100CK	\$ 303.50
				12	300	\$ 316.00	313104A120CJ	313104A120CK	\$ 336.40
				16	400	\$ 341.80	313104A160CJ	313104A160CK	\$ 362.10
4B	100	4.74 - 5.14	120 - 131	8	200	\$ 236.60	313104B080CJ	313104B080CK	\$ 256.90
				10	250	\$ 284.50	313104B100CJ	313104B100CK	\$ 304.80
				12	300	\$ 317.40	313104B120CJ	313104B120CK	\$ 337.70
				16	400	\$ 343.20	313104B160CJ	313104B160CK	\$ 363.40
4C	100	4.95 - 5.35	126 - 136	8	200	\$ 236.60	313104C080CJ	313104C080CK	\$ 256.90
				10	250	\$ 284.50	313104C100CJ	313104C100CK	\$ 304.80
				12	300	\$ 317.40	313104C120CJ	313104C120CK	\$ 337.70
				16	400	\$ 343.00	313104C160CJ	313104C160CK	\$ 363.40
4D	100	5.22 - 5.62	133 - 143	8	200	\$ 236.60	313104D080CJ	313104D080CK	\$ 256.90
				10	250	\$ 284.50	313104D100CJ	313104D100CK	\$ 304.80
				12	300	\$ 317.40	313104D120CJ	313104D120CK	\$ 337.70
				16	400	\$ 343.00	313104D160CJ	313104D160CK	\$ 363.40
6A	150	5.95 - 6.35	151 - 161	8	200	\$ 256.30	313106A080CJ	313106A080CK	\$ 276.60
				10	250	\$ 322.30	313106A100CJ	313106A100CK	\$ 342.60
				12	300	\$ 365.40	313106A120CJ	313106A120CK	\$ 385.70
				16	400	\$ 393.90	313106A160CJ	313106A160CK	\$ 414.20
6B	150	6.56 - 6.96	167 - 177	8	200	\$ 256.30	313106B080CJ	313106B080CK	\$ 276.60
				10	250	\$ 322.30	313106B100CJ	313106B100CK	\$ 342.60
				12	300	\$ 365.40	313106B120CJ	313106B120CK	\$ 385.70
				16	400	\$ 393.90	313106B160CJ	313106B160CK	\$ 414.20
6C	150	6.84 - 7.24	174 - 184	8	200	\$ 261.70	313106C080CJ	313106C080CK	\$ 282.00
				10	250	\$ 323.90	313106C100CJ	313106C100CK	\$ 344.20
				12	300	\$ 368.00	313106C120CJ	313106C120CK	\$ 388.30
				16	400	\$ 396.50	313106C160CJ	313106C160CK	\$ 416.80

3131AS ALL STAINLESS SINGLE PANEL TAPPED REPAIR CLAMP (LARGE OUTLETS)

Nominal Pipe Size		Pipe OD Range		Width		Price List	Outlet Size & Part Number		Price List
Inches	MM	Inches	MM	Inches	MM		2" CC	2" NPT	
6D	150	7.05 - 7.45	179 - 189	8	200	\$ 261.70	313106D080CJ	313106D080CK	\$ 282.00
				10	250	\$ 323.90	313106D100CJ	313106D100CK	\$ 344.20
				12	300	\$ 368.00	313106D120CJ	313106D120CK	\$ 388.30
				16	400	\$ 396.50	313106D160CJ	313106D160CK	\$ 416.80
6E	150	7.45 - 7.85	189 - 199	8	200	\$ 261.70	313106E080CJ	313106E080CK	\$ 282.00
				10	250	\$ 323.90	313106E100CJ	313106E100CK	\$ 344.20
				12	300	\$ 368.00	313106E120CJ	313106E120CK	\$ 388.30
				16	400	\$ 396.50	313106E160CJ	313106E160CK	\$ 416.80
8A	200	7.95 - 8.35	202 - 212	8	200	\$ 290.20	313108A080CJ	313108A080CK	\$ 310.50
				10	250	\$ 356.30	313108A100CJ	313108A100CK	\$ 376.60
				12	300	\$ 413.40	313108A120CJ	313108A120CK	\$ 433.70
				16	400	\$ 461.30	313108A160CJ	313108A160CK	\$ 481.60
8B	200	8.54 - 8.94	217 - 227	8	200	\$ 291.60	313108B080CJ	313108B080CK	\$ 311.90
				10	250	\$ 357.60	313108B100CJ	313108B100CK	\$ 377.90
				12	300	\$ 414.60	313108B120CJ	313108B120CK	\$ 434.90
				16	400	\$ 463.90	313108B160CJ	313108B160CK	\$ 484.20
8C	200	8.99 - 9.39	228 - 239	8	200	\$ 291.60	313108C080CJ	313108C080CK	\$ 311.90
				10	250	\$ 357.60	313108C100CJ	313108C100CK	\$ 377.90
				12	300	\$ 414.60	313108C120CJ	313108C120CK	\$ 434.90
				16	400	\$ 463.90	313108C160CJ	313108C160CK	\$ 484.20
8D	200	9.27 - 9.67	235 - 246	8	200	\$ 291.60	313108D080CJ	313108D080CK	\$ 311.90
				10	250	\$ 357.60	313108D100CJ	313108D100CK	\$ 377.90
				12	300	\$ 414.60	313108D120CJ	313108D120CK	\$ 434.90
				16	400	\$ 463.90	313108D160CJ	313108D160CK	\$ 484.20
10A	250	9.70 - 10.10	246 - 257	8	200	\$ 358.00	313110A080CJ	313110A080CK	\$ 376.10
				10	250	\$ 443.70	313110A100CJ	313110A100CK	\$ 461.80
				12	300	\$ 512.40	313110A120CJ	313110A120CK	\$ 530.50
				16	400	\$ 575.90	313110A160CJ	313110A160CK	\$ 594.00
10B	250	10.64 - 11.04	270 - 280	8	200	\$ 358.00	313110B080CJ	313110B080CK	\$ 376.10
				10	250	\$ 443.70	313110B100CJ	313110B100CK	\$ 461.80
				12	300	\$ 512.40	313110B120CJ	313110B120CK	\$ 530.50
				16	400	\$ 575.90	313110B160CJ	313110B160CK	\$ 594.00
10C	250	11.04 - 11.44	280 - 291	8	200	\$ 358.00	313110C080CJ	313110C080CK	\$ 376.10
				10	250	\$ 443.70	313110C100CJ	313110C100CK	\$ 461.80
				12	300	\$ 512.40	313110C120CJ	313110C120CK	\$ 530.50
				16	400	\$ 575.90	313110C160CJ	313110C160CK	\$ 594.00
10D	250	11.34 - 11.74	288 - 298	8	200	\$ 358.00	313110D080CJ	313110D080CK	\$ 376.10
				10	250	\$ 443.70	313110D100CJ	313110D100CK	\$ 461.80
				12	300	\$ 512.40	313110D120CJ	313110D120CK	\$ 530.50
				16	400	\$ 575.90	313110D160CJ	313110D160CK	\$ 594.00

3131AS ALL STAINLESS SINGLE PANEL TAPPED REPAIR CLAMP (LARGE OUTLETS)

Nominal Pipe Size		Pipe OD Range		Width		Price List	Outlet Size & Part Number		Price List
Inches	MM	Inches	MM	Inches	MM		2" CC	2" NPT	
10E	250	11.75 - 12.15	298 - 309	8	200	\$ 358.00	313110E080CJ	313110E080CK	\$ 376.10
				10	250	\$ 443.70	313110E100CJ	313110E100CK	\$ 461.80
				12	300	\$ 512.40	313110E120CJ	313110E120CK	\$ 530.50
				16	400	\$ 575.90	313110E160CJ	313110E160CK	\$ 594.00
12A	300	12.00 - 12.40	305 - 315	8	200	\$ 394.80	313112A080CJ	313112A080CK	\$ 412.90
				10	250	\$ 495.20	313112A100CJ	313112A100CK	\$ 513.30
				12	300	\$ 580.10	313112A120CJ	313112A120CK	\$ 598.20
				16	400	\$ 644.60	313112A160CJ	313112A160CK	\$ 662.70
12B	300	12.62 - 13.02	321 - 331	8	200	\$ 394.80	313112B080CJ	313112B080CK	\$ 412.90
				10	250	\$ 495.20	313112B100CJ	313112B100CK	\$ 513.30
				12	300	\$ 580.10	313112B120CJ	313112B120CK	\$ 598.20
				16	400	\$ 644.60	313112B160CJ	313112B160CK	\$ 662.70
12C	300	13.10 - 13.50	333 - 343	8	200	\$ 394.80	313112C080CJ	313112C080CK	\$ 412.90
				10	250	\$ 495.20	313112C100CJ	313112C100CK	\$ 513.30
				12	300	\$ 580.10	313112C120CJ	313112C120CK	\$ 598.20
				16	400	\$ 644.60	313112C160CJ	313112C160CK	\$ 662.70
12D	300	13.40 - 13.80	340 - 351	8	200	\$ 394.80	313112D080CJ	313112D080CK	\$ 412.90
				10	250	\$ 495.20	313112D100CJ	313112D100CK	\$ 513.30
				12	300	\$ 580.10	313112D120CJ	313112D120CK	\$ 598.20
				16	400	\$ 644.60	313112D160CJ	313112D160CK	\$ 662.70
12E	300	13.70 - 14.10	348 - 358	8	200	\$ 394.80	313112E080CJ	313112E080CK	\$ 412.90
				10	250	\$ 495.20	313112E100CJ	313112E100CK	\$ 513.30
				12	300	\$ 580.10	313112E120CJ	313112E120CK	\$ 598.20
				16	400	\$ 644.60	313112E160CJ	313112E160CK	\$ 662.70
12F	300	14.00 - 14.40	356 - 366	8	200	\$ 394.80	313112F080CJ	313112F080CK	\$ 412.90
				10	250	\$ 495.20	313112F100CJ	313112F100CK	\$ 513.30
				12	300	\$ 580.10	313112F120CJ	313112F120CK	\$ 598.20
				16	400	\$ 644.60	313112F160CJ	313112F160CK	\$ 662.70

HOW TO ORDER: Choose nominal pipe size, width and outlet size with thread configuration. EXAMPLE: 6" C900 O.D. 6.90 OD with 2 NPT outlet 16" width. Order 3131AS- 6C X 16X 2 NPT. **Part Number:**313106C160CK .

3132AS ALL STAINLESS DOUBLE PANEL TAPPED REPAIR CLAMP (SMALL OUTLETS)

PANEL & LIFTER BAR: Type 304 (18-8) Stainless Steel per ASTM A240.

GASKET: SBR Chek-O-Seal with multi o-ring sealing ribs from 100% new rubber to ensure performance under varying pressures with superior storage characteristics. Suitable for mild acids, water and salt media with a temperature range of -25°F to +200°F per ASTM D2000 . Other materials available.

ARMOR PLATE: Type 304 (18-8) Stainless Steel per ASTM A240, recessed and bonded to the gasket.

BOLTS & NUTS: Low Alloy Steel per ASTM A325, ASTM A563, and AWWA C111.

LUGS: Type 304 (18-8) Stainless Steel per ASTM A240.

OUTLET: Type 304 (18-8) Stainless Steel per ASTM A276.



Nominal Pipe Size		Pipe OD Range		Width		Outlet Size & Part Number				Price List
Inches	MM	Inches	MM	Inches	MM	3/4 CC	3/4 NPT	1 CC	1 NPT	
3	75	3.49-4.29	89-109	8	200	3132030080CB	3132030080CC	3132030080CD	3132030080CE	\$ 262.80
				10	250	3132030100CB	3132030100CC	3132030100CD	3132030100CE	\$ 328.20
				12	300	3132030120CB	3132030120CC	3132030120CD	3132030120CE	\$ 391.30
				16	400	3132030160CB	3132030160CC	3132030160CD	3132030160CE	\$ 429.90
4A	100	4.44 - 5.24	113-133	8	200	313204A080CB	313204A080CC	313204A080CD	313204A080CE	\$ 294.00
				10	250	313204A100CB	313204A100CC	313204A100CD	313204A100CE	\$ 368.30
				12	300	313204A120CB	313204A120CC	313204A120CD	313204A120CE	\$ 424.30
				16	400	313204A160CB	313204A160CC	313204A160CD	313204A160CE	\$ 494.80
4B	100	4.74 - 5.57	120-141	8	200	313204B080CB	313204B080CC	313204B080CD	313204B080CE	\$ 294.00
				10	250	313204B100CB	313204B100CC	313204B100CD	313204B100CE	\$ 368.30
				12	300	313204B120CB	313204B120CC	313204B120CD	313204B120CE	\$ 424.30
				16	400	313204B160CB	313204B160CC	313204B160CD	313204B160CE	\$ 494.80
6A	150	6.62 - 7.42	168-188	8	200	313206A080CB	313206A080CC	313206A080CD	313206A080CE	\$ 330.30
				10	250	313206A100CB	313206A100CC	313206A100CD	313206A100CE	\$ 406.60
				12	300	313206A120CB	313206A120CC	313206A120CD	313206A120CE	\$ 462.00
				16	400	313206A160CB	313206A160CC	313206A160CD	313206A160CE	\$ 567.80
6B	150	6.84 - 7.64	174-194	8	200	313206B080CB	313206B080CC	313206B080CD	313206B080CE	\$ 333.60
				10	250	313206B100CB	313206B100CC	313206B100CD	313206B100CE	\$ 409.10
				12	300	313206B120CB	313206B120CC	313206B120CD	313206B120CE	\$ 464.60
				16	400	313206B160CB	313206B160CC	313206B160CD	313206B160CE	\$ 571.60
8A	200	8.62 - 9.42	219-239	8	200	313208A080CB	313208A080CC	313208A080CD	313208A080CE	\$ 368.10
				10	250	313208A100CB	313208A100CC	313208A100CD	313208A100CE	\$ 444.40
				12	300	313208A120CB	313208A120CC	313208A120CD	313208A120CE	\$ 507.30
				16	400	313208A160CB	313208A160CC	313208A160CD	313208A160CE	\$ 640.80
8B	200	8.99 - 9.79	228-249	8	200	313208B080CB	313208B080CC	313208B080CD	313208B080CE	\$ 371.00
				10	250	313208B100CB	313208B100CC	313208B100CD	313208B100CE	\$ 446.90
				12	300	313208B120CB	313208B120CC	313208B120CD	313208B120CE	\$ 509.90
				16	400	313208B160CB	313208B160CC	313208B160CD	313208B160CE	\$ 643.40

3132AS ALL STAINLESS DOUBLE PANEL TAPPED REPAIR CLAMP (SMALL OUTLETS)

Nominal Pipe Size		Pipe OD Range		Width		Outlet Size & Part Number				Price List
Inches	MM	Inches	MM	Inches	MM	3/4 CC	3/4 NPT	1 CC	1 NPT	
10A	250	10.75 - 11.55	273-293	8	200	313210A080CB	313210A080CC	313210A080CD	313210A080CE	\$ 467.20
				10	250	313210A100CB	313210A100CC	313210A100CD	313210A100CE	\$ 562.80
				12	300	313210A120CB	313210A120CC	313210A120CD	313210A120CE	\$ 672.30
				16	400	313210A160CB	313210A160CC	313210A160CD	313210A160CE	\$ 781.90
10B	250	11.10 - 11.90	282-302	8	200	313210B080CB	313210B080CC	313210B080CD	313210B080CE	\$ 471.10
				10	250	313210B100CB	313210B100CC	313210B100CD	313210B100CE	\$ 565.30
				12	300	313210B120CB	313210B120CC	313210B120CD	313210B120CE	\$ 674.80
				16	400	313210B160CB	313210B160CC	313210B160CD	313210B160CE	\$ 784.30
10D	250	11.60 - 12.40	295-315	8	200	313210D080CB	313210D080CC	313210D080CD	313210D080CE	\$ 471.10
				10	250	313210D100CB	313210D100CC	313210D100CD	313210D100CE	\$ 565.30
				12	300	313210D120CB	313210D120CC	313210D120CD	313210D120CE	\$ 674.80
				16	400	313210D160CB	313210D160CC	313210D160CD	313210D160CE	\$ 784.30
12A	300	12.75 - 13.55	324-344	8	200	313212A080CB	313212A080CC	313212A080CD	313212A080CE	POA
				10	250	313212A100CB	313212A100CC	313212A100CD	313212A100CE	\$ 635.80
				12	300	313212A120CB	313212A120CC	313212A120CD	313212A120CE	\$ 760.50
				16	400	313212A160CB	313212A160CC	313212A160CD	313212A160CE	\$ 885.10
12B	300	13.20 - 14.00	335-356	8	200	313212B080CB	313212B080CC	313212B080CD	313212B080CE	POA
				10	250	313212B100CB	313212B100CC	313212B100CD	313212B100CE	\$ 638.30
				12	300	313212B120CB	313212B120CC	313212B120CD	313212B120CE	\$ 763.00
				16	400	313212B160CB	313212B160CC	313212B160CD	313212B160CE	\$ 887.60
12D	300	13.65 - 14.45	347-367	8	200	313212D080CB	313212D080CC	313212D080CD	313212D080CE	POA
				10	250	313212D100CB	313212D100CC	313212D100CD	313212D100CE	\$ 638.30
				12	300	313212D120CB	313212D120CC	313212D120CD	313212D120CE	\$ 763.00
				16	400	313212D160CB	313212D160CC	313212D160CD	313212D160CE	\$ 887.60
14A	350	14.38 - 15.13	365-384	8	200	313214A080CB	313214A080CC	313214A080CD	313214A080CE	POA
				10	250	313214A100CB	313214A100CC	313214A100CD	313214A100CE	\$ 819.80
				12	300	313214A120CB	313214A120CC	313214A120CD	313214A120CE	\$ 1,040.60
				16	400	313214A160CB	313214A160CC	313214A160CD	313214A160CE	\$ 1,152.60
14B	350	15.07 - 15.82	383-402	8	200	313214B080CB	313214B080CC	313214B080CD	313214B080CE	POA
				10	250	313214B100CB	313214B100CC	313214B100CD	313214B100CE	\$ 819.80
				12	300	313214B120CB	313214B120CC	313214B120CD	313214B120CE	\$ 1,040.60
				16	400	313214B160CB	313214B160CC	313214B160CD	313214B160CE	\$ 1,152.60
16A	400	15.92 - 16.67	404-423	8	200	313216A080CB	313216A080CC	313216A080CD	313216A080CE	POA
				10	250	313216A100CB	313216A100CC	313216A100CD	313216A100CE	\$ 1,011.80
				12	300	313216A120CB	313216A120CC	313216A120CD	313216A120CE	\$ 1,285.00
				16	400	313216A160CB	313216A160CC	313216A160CD	313216A160CE	\$ 1,394.80
16B	400	16.56 - 17.31	421-440	8	200	313216B080CB	313216B080CC	313216B080CD	313216B080CE	POA
				10	250	313216B100CB	313216B100CC	313216B100CD	313216B100CE	\$ 1,011.80
				12	300	313216B120CB	313216B120CC	313216B120CD	313216B120CE	\$ 1,285.00
				16	400	313216B160CB	313216B160CC	313216B160CD	313216B160CE	\$ 1,394.80

3132AS ALL STAINLESS DOUBLE PANEL TAPPED REPAIR CLAMP (SMALL OUTLETS)

Nominal Pipe Size		Pipe OD Range		Width		Outlet Size & Part Number				Price List
Inches	MM	Inches	MM	Inches	MM	3/4 CC	3/4 NPT	1 CC	1 NPT	
16C	400	17.15 - 17.90	436-455	8	200	313216C080CB	313216C080CC	313216C080CD	313216C080CE	POA
				10	250	313216C100CB	313216C100CC	313216C100CD	313216C100CE	\$ 1,011.80
				12	300	313216C120CB	313216C120CC	313216C120CD	313216C120CE	\$ 1,285.00
				16	400	313216C160CB	313216C160CC	313216C160CD	313216C160CE	\$ 1,394.80
18A	450	17.82 - 18.57	453-472	8	200	313218A080CB	313218A080CC	313218A080CD	313218A080CE	POA
				10	250	313218A100CB	313218A100CC	313218A100CD	313218A100CE	POA
				12	300	313218A120CB	313218A120CC	313218A120CD	313218A120CE	\$ 1,433.50
				16	400	313218A160CB	313218A160CC	313218A160CD	313218A160CE	\$ 1,555.90
18B	450	18.46 - 19.21	469-488	8	200	313218B080CB	313218B080CC	313218B080CD	313218B080CE	POA
				10	250	313218B100CB	313218B100CC	313218B100CD	313218B100CE	POA
				12	300	313218B120CB	313218B120CC	313218B120CD	313218B120CE	\$ 1,433.50
				16	400	313218B160CB	313218B160CC	313218B160CD	313218B160CE	\$ 1,555.90
18C	450	19.23 - 19.98	488-507	8	200	313218C080CB	313218C080CC	313218C080CD	313218C080CE	POA
				10	250	313218C100CB	313218C100CC	313218C100CD	313218C100CE	POA
				12	300	313218C120CB	313218C120CC	313218C120CD	313218C120CE	\$ 1,433.50
				16	400	313218C160CB	313218C160CC	313218C160CD	313218C160CE	\$ 1,555.90
20A	500	19.90 - 20.65	505-525	8	200	313220A080CB	313220A080CC	313220A080CD	313220A080CE	POA
				10	250	313220A100CB	313220A100CC	313220A100CD	313220A100CE	POA
				12	300	313220A120CB	313220A120CC	313220A120CD	313220A120CE	POA
				16	400	313220A160CB	313220A160CC	313220A160CD	313220A160CE	\$ 2,447.20
20B	500	20.70 - 21.45	526-545	8	200	313220B080CB	313220B080CC	313220B080CD	313220B080CE	POA
				10	250	313220B100CB	313220B100CC	313220B100CD	313220B100CE	POA
				12	300	313220B120CB	313220B120CC	313220B120CD	313220B120CE	POA
				16	400	313220B160CB	313220B160CC	313220B160CD	313220B160CE	\$ 2,447.20
22A	550	21.52 - 22.27	547-566	8	200	313222A080CB	313222A080CC	313222A080CD	313222A080CE	POA
				10	250	313222A100CB	313222A100CC	313222A100CD	313222A100CE	POA
				12	300	313222A120CB	313222A120CC	313222A120CD	313222A120CE	POA
				16	400	313222A160CB	313222A160CC	313222A160CD	313222A160CE	\$ 2,517.70
22B	550	22.12 - 22.87	562-581	8	200	313222B080CB	313222B080CC	313222B080CD	313222B080CE	POA
				10	250	313222B100CB	313222B100CC	313222B100CD	313222B100CE	POA
				12	300	313222B120CB	313222B120CC	313222B120CD	313222B120CE	POA
				16	400	313222B160CB	313222B160CC	313222B160CD	313222B160CE	\$ 2,517.70
22C	550	22.90 - 23.65	582-601	8	200	313222C080CB	313222C080CC	313222C080CD	313222C080CE	POA
				10	250	313222C100CB	313222C100CC	313222C100CD	313222C100CE	POA
				12	300	313222C120CB	313222C120CC	313222C120CD	313222C120CE	POA
				16	400	313222C160CB	313222C160CC	313222C160CD	313222C160CE	\$ 2,517.70

HOW TO ORDER: Choose nominal pipe size, width and outlet size with thread configuration. EXAMPLE: 8" DIP O.D. 9.05, 12" wide with a 1" CC outlet. Order 3132AS- 8B x 12 X 1 CC. **Part Number:** 313208B120CD.

3132AS ALL STAINLESS DOUBLE PANEL TAPPED REPAIR CLAMP (LARGE OUTLETS)

PANEL & LIFTER BAR: Type 304 (18-8) Stainless Steel per ASTM A240.

GASKET: SBR Chek-O-Seal with multi o-ring sealing ribs from 100% new rubber to ensure performance under varying pressures with superior storage characteristics. Suitable for mild acids, water and salt media with a temperature range of -25°F to +200°F per ASTM D2000 .

Other materials available.

ARMOR PLATE: Type 304 (18-8) Stainless Steel per ASTM A240, recessed and bonded to the gasket.

BOLTS & NUTS: Low Alloy Steel per ASTM A325, ASTM A563, and AWWA C111.

LUGS: Type 304 (18-8) Stainless Steel per ASTM A240.

OUTLET: Type 304 (18-8) Stainless Steel per ASTM A276.



Nominal Pipe Size		Pipe OD Range		Width		Outlet Size & Part Number				Price List
Inches	MM	Inches	MM	Inches	MM	1 1/4" NPT	1 1/2" NPT	1 1/4" CC	1 1/2" CC	
4A	100	4.44 - 5.24	113-133	8	200	313204A080CG	313204A080CI	313204A080CF	313204A080CH	\$ 315.30
				10	250	313204A100CG	313204A100CI	313204A100CF	313204A100CH	\$ 389.70
				12	300	313204A120CG	313204A120CI	313204A120CF	313204A120CH	\$ 445.60
				16	400	313204A160CG	313204A160CI	313204A160CF	313204A160CH	\$ 516.10
4B	100	4.74 - 5.57	120-141	8	200	313204B080CG	313204B080CI	313204B080CF	313204B080CH	\$ 315.30
				10	250	313204B100CG	313204B100CI	313204B100CF	313204B100CH	\$ 389.70
				12	300	313204B120CG	313204B120CI	313204B120CF	313204B120CH	\$ 445.60
				16	400	313204B160CG	313204B160CI	313204B160CF	313204B160CH	\$ 516.10
6A	150	6.62 - 7.42	168-188	8	200	313206A080CG	313206A080CI	313206A080CF	313206A080CH	\$ 352.00
				10	250	313206A100CG	313206A100CI	313206A100CF	313206A100CH	\$ 428.00
				12	300	313206A120CG	313206A120CI	313206A120CF	313206A120CH	\$ 483.40
				16	400	313206A160CG	313206A160CI	313206A160CF	313206A160CH	\$ 589.20
6B	150	6.84 - 7.64	174-194	8	200	313206B080CG	313206B080CI	313206B080CF	313206B080CH	\$ 354.60
				10	250	313206B100CG	313206B100CI	313206B100CF	313206B100CH	\$ 430.50
				12	300	313206B120CG	313206B120CI	313206B120CF	313206B120CH	\$ 485.90
				16	400	313206B160CG	313206B160CI	313206B160CF	313206B160CH	\$ 592.90
8A	200	8.62 - 9.42	219-239	8	200	313208A080CG	313208A080CI	313208A080CF	313208A080CH	\$ 390.00
				10	250	313208A100CG	313208A100CI	313208A100CF	313208A100CH	\$ 465.70
				12	300	313208A120CG	313208A120CI	313208A120CF	313208A120CH	\$ 528.70
				16	400	313208A160CG	313208A160CI	313208A160CF	313208A160CH	\$ 662.20
8B	200	8.99 - 9.79	228-249	8	200	313208B080CG	313208B080CI	313208B080CF	313208B080CH	\$ 392.00
				10	250	313208B100CG	313208B100CI	313208B100CF	313208B100CH	\$ 468.30
				12	300	313208B120CG	313208B120CI	313208B120CF	313208B120CH	\$ 531.20
				16	400	313208B160CG	313208B160CI	313208B160CF	313208B160CH	\$ 664.70
10A	250	10.75 - 11.55	273-293	8	200	313210A080CG	313210A080CI	313210A080CF	313210A080CH	\$ 488.90
				10	250	313210A100CG	313210A100CI	313210A100CF	313210A100CH	\$ 584.10
				12	300	313210A120CG	313210A120CI	313210A120CF	313210A120CH	\$ 693.70
				16	400	313210A160CG	313210A160CI	313210A160CF	313210A160CH	\$ 803.20
10B	250	11.10 - 11.90	282-302	8	200	313210B080CG	313210B080CI	313210B080CF	313210B080CH	\$ 493.00
				10	250	313210B100CG	313210B100CI	313210B100CF	313210B100CH	\$ 586.70
				12	300	313210B120CG	313210B120CI	313210B120CF	313210B120CH	\$ 696.20
				16	400	313210B160CG	313210B160CI	313210B160CF	313210B160CH	\$ 806.00

3132AS ALL STAINLESS DOUBLE PANEL TAPPED REPAIR CLAMP (LARGE OUTLETS)

Nominal Pipe Size		Pipe OD Range		Width		Outlet Size & Part Number				Price List
Inches	MM	Inches	MM	Inches	MM	1 1/4" NPT	1 1/2" NPT	1 1/4" CC	1 1/2" CC	
10D	250	11.60 - 12.40	295-315	8	200	313210D080CG	313210D080CI	313210D080CF	313210D080CH	\$ 806.00
				10	250	313210D100CG	313210D100CI	313210D100CF	313210D100CH	\$ 586.70
				12	300	313210D120CG	313210D120CI	313210D120CF	313210D120CH	\$ 696.20
				16	400	313210D160CG	313210D160CI	313210D160CF	313210D160CH	\$ 806.00
12A	300	12.75 - 13.55	324-344	8	200	313212A080CG	313212A080CI	313212A080CF	313212A080CH	POA
				10	250	313212A100CG	313212A100CI	313212A100CF	313212A100CH	\$ 657.20
				12	300	313212A120CG	313212A120CI	313212A120CF	313212A120CH	\$ 781.80
				16	400	313212A160CG	313212A160CI	313212A160CF	313212A160CH	\$ 906.50
12B	300	13.20 - 14.00	335-356	8	200	313212B080CG	313212B080CI	313212B080CF	313212B080CH	POA
				10	250	313212B100CG	313212B100CI	313212B100CF	313212B100CH	\$ 659.70
				12	300	313212B120CG	313212B120CI	313212B120CF	313212B120CH	\$ 784.30
				16	400	313212B160CG	313212B160CI	313212B160CF	313212B160CH	\$ 909.00
12D	300	13.65 - 14.45	347-367	8	200	313212D080CG	313212D080CI	313212D080CF	313212D080CH	POA
				10	250	313212D100CG	313212D100CI	313212D100CF	313212D100CH	\$ 659.70
				12	300	313212D120CG	313212D120CI	313212D120CF	313212D120CH	\$ 784.30
				16	400	313212D160CG	313212D160CI	313212D160CF	313212D160CH	\$ 909.00
14A	350	14.38 - 15.13	365-384	8	200	313214A080CG	313214A080CI	313214A080CF	313214A080CH	POA
				10	250	313214A100CG	313214A100CI	313214A100CF	313214A100CH	\$ 904.50
				12	300	313214A120CG	313214A120CI	313214A120CF	313214A120CH	\$ 1,125.30
				16	400	313214A160CG	313214A160CI	313214A160CF	313214A160CH	\$ 1,237.30
14B	350	15.07 - 15.82	383-402	8	200	313214B080CG	313214B080CI	313214B080CF	313214B080CH	POA
				10	250	313214B100CG	313214B100CI	313214B100CF	313214B100CH	\$ 819.80
				12	300	313214B120CG	313214B120CI	313214B120CF	313214B120CH	\$ 1,040.60
				16	400	313214B160CG	313214B160CI	313214B160CF	313214B160CH	\$ 1,152.60
16A	400	15.92 - 16.67	404-423	8	200	313216A080CG	313216A080CI	313216A080CF	313216A080CH	POA
				10	250	313216A100CG	313216A100CI	313216A100CF	313216A100CH	\$ 1,078.50
				12	300	313216A120CG	313216A120CI	313216A120CF	313216A120CH	\$ 1,369.70
				16	400	313216A160CG	313216A160CI	313216A160CF	313216A160CH	\$ 1,479.50
16B	400	16.56 - 17.31	421-440	8	200	313216B080CG	313216B080CI	313216B080CF	313216B080CH	POA
				10	250	313216B100CG	313216B100CI	313216B100CF	313216B100CH	\$ 1,011.80
				12	300	313216B120CG	313216B120CI	313216B120CF	313216B120CH	\$ 1,285.00
				16	400	313216B160CG	313216B160CI	313216B160CF	313216B160CH	\$ 1,394.80
16C	400	17.15 - 17.90	436-455	8	200	313216C080CG	313216C080CI	313216C080CF	313216C080CH	POA
				10	250	313216C100CG	313216C100CI	313216C100CF	313216C100CH	\$ 1,078.50
				12	300	313216C120CG	313216C120CI	313216C120CF	313216C120CH	\$ 1,369.70
				16	400	313216C160CG	313216C160CI	313216C160CF	313216C160CH	\$ 1,479.50
18A	450	17.82 - 18.57	453-472	8	200	313218A080CG	313218A080CI	313218A080CF	313218A080CH	POA
				10	250	313218A100CG	313218A100CI	313218A100CF	313218A100CH	POA
				12	300	313218A120CG	313218A120CI	313218A120CF	313218A120CH	\$ 1,401.70
				16	400	313218A160CG	313218A160CI	313218A160CF	313218A160CH	\$ 1,555.90

3132AS ALL STAINLESS DOUBLE PANEL TAPPED REPAIR CLAMP (LARGE OUTLETS)

Nominal Pipe Size		Pipe OD Range		Width		Outlet Size & Part Number				Price List
Inches	MM	Inches	MM	Inches	MM	1 1/4" NPT	1 1/2" NPT	1 1/4" CC	1 1/2" CC	
18B	450	18.46 - 19.21	469-488	8	200	313218B080CG	313218B080CI	313218B080CF	313218B080CH	POA
				10	250	313218B100CG	313218B100CI	313218B100CF	313218B100CH	POA
				12	300	313218B120CG	313218B120CI	313218B120CF	313218B120CH	\$ 1,478.00
				16	400	313218B160CG	313218B160CI	313218B160CF	313218B160CH	\$ 1,640.60
18C	450	19.23 - 19.98	488-507	8	200	313218C080CG	313218C080CI	313218C080CF	313218C080CH	POA
				10	250	313218C100CG	313218C100CI	313218C100CF	313218C100CH	POA
				12	300	313218C120CG	313218C120CI	313218C120CF	313218C120CH	\$ 1,478.00
				16	400	313218C160CG	313218C160CI	313218C160CF	313218C160CH	\$ 1,640.60
20A	500	19.90 - 20.65	505-525	8	200	313220A080CG	313220A080CI	313220A080CF	313220A080CH	POA
				10	250	313220A100CG	313220A100CI	313220A100CF	313220A100CH	POA
				12	300	313220A120CG	313220A120CI	313220A120CF	313220A120CH	POA
				16	400	313220A160CG	313220A160CI	313220A160CF	313220A160CH	\$ 2,531.90
20B	500	20.70 - 21.45	526-545	8	200	313220B080CG	313220B080CI	313220B080CF	313220B080CH	POA
				10	250	313220B100CG	313220B100CI	313220B100CF	313220B100CH	POA
				12	300	313220B120CG	313220B120CI	313220B120CF	313220B120CH	POA
				16	400	313220B160CG	313220B160CI	313220B160CF	313220B160CH	\$ 2,531.90
22A	550	21.52 - 22.27	547-566	8	200	313222A080CG	313222A080CI	313222A080CF	313222A080CH	POA
				10	250	313222A100CG	313222A100CI	313222A100CF	313222A100CH	POA
				12	300	313222A120CG	313222A120CI	313222A120CF	313222A120CH	POA
				16	400	313222A160CG	313222A160CI	313222A160CF	313222A160CH	\$ 2,602.40
22B	550	22.12 - 22.87	562-581	8	200	313222B080CG	313222B080CI	313222B080CF	313222B080CH	POA
				10	250	313222B100CG	313222B100CI	313222B100CF	313222B100CH	POA
				12	300	313222B120CG	313222B120CI	313222B120CF	313222B120CH	POA
				16	400	313222B160CG	313222B160CI	313222B160CF	313222B160CH	\$ 2,602.40
22C	550	22.90 - 23.65	582-601	8	200	313222C080CG	313222C080CI	313222C080CF	313222C080CH	POA
				10	250	313222C100CG	313222C100CI	313222C100CF	313222C100CH	POA
				12	300	313222C120CG	313222C120CI	313222C120CF	313222C120CH	POA
				16	400	313222C160CG	313222C160CI	313222C160CF	313222C160CH	\$ 2,602.40

HOW TO ORDER: Choose nominal pipe size, width and outlet size with thread configuration. EXAMPLE: 8" DIP O.D. 9.05, 12" wide with a 2" NPT outlet. Order 3132AS- 8B x 12 X 2 NPT. **Part Number:** 313208B120CK.

3132AS ALL STAINLESS DOUBLE PANEL TAPPED REPAIR CLAMP (LARGE OUTLETS)

PANEL & LIFTER BAR: Type 304 (18-8) Stainless Steel per ASTM A240.

GASKET: SBR Chek-O-Seal with multi o-ring sealing ribs from 100% new rubber to ensure performance under varying pressures with superior storage characteristics. Suitable for mild acids, water and salt media with a temperature range of -25°F to +200°F per ASTM D2000 . Other materials available.

ARMOR PLATE: Type 304 (18-8) Stainless Steel per ASTM A240, recessed and bonded to the gasket.

BOLTS & NUTS: Low Alloy Steel per ASTM A325, ASTM A563, and AWWA C111.

LUGS: Type 304 (18-8) Stainless Steel per ASTM A240.

OUTLET: Type 304 (18-8) Stainless Steel per ASTM A276.



Nominal Pipe Size		Pipe OD Range		Width		Outlet Size & Part Number		Price List
Inches	MM	Inches	MM	Inches	MM	2" CC	2" NPT	
4A	100	4.44 - 5.24	113-133	8	200	313204A080CJ	313204A080CK	\$ 335.50
				10	250	313204A100CJ	313204A100CK	\$ 410.00
				12	300	313204A120CJ	313204A120CK	\$ 466.00
				16	400	313204A160CJ	313204A160CK	\$ 536.40
4B	100	4.74 - 5.57	120-141	8	200	313204B080CJ	313204B080CK	\$ 335.50
				10	250	313204B100CJ	313204B100CK	\$ 410.00
				12	300	313204B120CJ	313204B120CK	\$ 466.00
				16	400	313204B160CJ	313204B160CK	\$ 536.40
6A	150	6.62 - 7.42	168-188	8	200	313206A080CJ	313206A080CK	\$ 372.00
				10	250	313206A100CJ	313206A100CK	\$ 448.30
				12	300	313206A120CJ	313206A120CK	\$ 503.70
				16	400	313206A160CJ	313206A160CK	\$ 609.50
6B	150	6.84 - 7.64	174-194	8	200	313206B080CJ	313206B080CK	\$ 375.00
				10	250	313206B100CJ	313206B100CK	\$ 450.80
				12	300	313206B120CJ	313206B120CK	\$ 506.20
				16	400	313206B160CJ	313206B160CK	\$ 613.30
8A	200	8.62 - 9.42	219-239	8	200	313208A080CJ	313208A080CK	\$ 410.00
				10	250	313208A100CJ	313208A100CK	\$ 486.00
				12	300	313208A120CJ	313208A120CK	\$ 549.00
				16	400	313208A160CJ	313208A160CK	\$ 682.50
8B	200	8.99 - 9.79	228-249	8	200	313208B080CJ	313208B080CK	\$ 413.00
				10	250	313208B100CJ	313208B100CK	\$ 488.60
				12	300	313208B120CJ	313208B120CK	\$ 551.60
				16	400	313208B160CJ	313208B160CK	\$ 685.00
10A	250	10.75 - 11.55	273-293	8	200	313210A080CJ	313210A080CK	\$ 510.90
				10	250	313210A100CJ	313210A100CK	\$ 604.40
				12	300	313210A120CJ	313210A120CK	\$ 714.00
				16	400	313210A160CJ	313210A160CK	\$ 773.80
10B	250	11.10 - 11.90	282-302	8	200	313210B080CJ	313210B080CK	\$ 510.10
				10	250	313210B100CJ	313210B100CK	\$ 607.00
				12	300	313210B120CJ	313210B120CK	\$ 716.50
				16	400	313210B160CJ	313210B160CK	\$ 827.00

3132AS ALL STAINLESS DOUBLE PANEL TAPPED REPAIR CLAMP (LARGE OUTLETS)

Nominal Pipe Size		Pipe OD Range		Width		Outlet Size & Part Number		Price List
Inches	MM	Inches	MM	Inches	MM	2" CC	2" NPT	
10D	250	11.60 - 12.40	295-315	8	200	313210D080CJ	313210D080CK	\$ 510.10
				10	250	313210D100CJ	313210D100CK	\$ 607.00
				12	300	313210D120CJ	313210D120CK	\$ 716.50
				16	400	313210D160CJ	313210D160CK	\$ 827.00
12A	300	12.75 - 13.55	324-344	8	200	313212A080CJ	313212A080CK	POA
				10	250	313212A100CJ	313212A100CK	\$ 677.50
				12	300	313212A120CJ	313212A120CK	\$ 802.10
				16	400	313212A160CJ	313212A160CK	\$ 926.80
12B	300	13.20 - 14.00	335-356	8	200	313212B080CJ	313212B080CK	POA
				10	250	313212B100CJ	313212B100CK	\$ 680.00
				12	300	313212B120CJ	313212B120CK	\$ 804.60
				16	400	313212B160CJ	313212B160CK	\$ 929.30
12D	300	13.65 - 14.45	347-367	8	200	313212D080CJ	313212D080CK	POA
				10	250	313212D100CJ	313212D100CK	\$ 680.00
				12	300	313212D120CJ	313212D120CK	\$ 804.60
				16	400	313212D160CJ	313212D160CK	\$ 929.30
14A	350	14.38 - 15.13	365-384	8	200	313214A080CJ	313214A080CK	POA
				10	250	313214A100CJ	313214A100CK	\$ 924.60
				12	300	313214A120CJ	313214A120CK	\$ 1,145.40
				16	400	313214A160CJ	313214A160CK	\$ 1,257.40
14B	350	15.07 - 15.82	383-402	8	200	313214B080CJ	313214B080CK	POA
				10	250	313214B100CJ	313214B100CK	\$ 819.80
				12	300	313214B120CJ	313214B120CK	\$ 1,040.60
				16	400	313214B160CJ	313214B160CK	\$ 1,152.60
16A	400	15.92 - 16.67	404-423	8	200	313216A080CJ	313216A080CK	POA
				10	250	313216A100CJ	313216A100CK	\$ 1,094.30
				12	300	313216A120CJ	313216A120CK	\$ 1,389.80
				16	400	313216A160CJ	313216A160CK	\$ 1,499.60
16B	400	16.56 - 17.31	421-440	8	200	313216B080CJ	313216B080CK	POA
				10	250	313216B100CJ	313216B100CK	\$ 1,011.80
				12	300	313216B120CJ	313216B120CK	\$ 1,285.00
				16	400	313216B160CJ	313216B160CK	\$ 1,394.80
16C	400	17.15 - 17.90	436-455	8	200	313216C080CJ	313216C080CK	POA
				10	250	313216C100CJ	313216C100CK	\$ 1,094.30
				12	300	313216C120CJ	313216C120CK	\$ 1,389.80
				16	400	313216C160CJ	313216C160CK	\$ 1,499.60
18A	450	17.82 - 18.57	453-472	8	200	313218A080CJ	313218A080CK	POA
				10	250	313218A100CJ	313218A100CK	POA
				12	300	313218A120CJ	313218A120CK	\$ 1,401.70
				16	400	313218A160CJ	313218A160CK	\$ 1,555.90

3132AS ALL STAINLESS DOUBLE PANEL TAPPED REPAIR CLAMP (LARGE OUTLETS)

Nominal Pipe Size		Pipe OD Range		Width		Outlet Size & Part Number		Price List
Inches	MM	Inches	MM	Inches	MM	2" CC	2" NPT	
18B	450	18.46 - 19.21	469-488	8	200	312218B080CJ	313218B080CK	POA
				10	250	312218B100CJ	313218B100CK	POA
				12	300	312218B120CJ	313218B120CK	\$ 1,496.10
				16	400	312218B160CJ	313218B160CK	\$ 1,660.70
18C	450	19.23 - 19.98	488-507	8	200	313218C080CJ	313218C080CK	POA
				10	250	313218C100CJ	313218C100CK	POA
				12	300	313218C120CJ	313218C120CK	\$ 1,496.10
				16	400	313218C160CJ	313218C160CK	\$ 1,660.70
20A	500	19.90 - 20.65	505-525	8	200	313220A080CJ	313220A080CK	POA
				10	250	313220A100CJ	313220A100CK	POA
				12	300	313220A120CJ	313220A120CK	POA
				16	400	313220A160CJ	313220A160CK	\$ 2,552.00
20B	500	20.70 - 21.45	526-545	8	200	313220B080CJ	313220B080CK	POA
				10	250	313220B100CJ	313220B100CK	POA
				12	300	313220B120CJ	313220B120CK	POA
				16	400	313220B160CJ	313220B160CK	\$ 2,552.00
22A	550	21.52 - 22.27	547-566	8	200	313222A080CJ	313222A080CK	POA
				10	250	313222A100CJ	313222A100CK	POA
				12	300	313222A120CJ	313222A120CK	POA
				16	400	313222A160CJ	313222A160CK	\$ 2,622.50
22B	550	22.12 - 22.87	562-581	8	200	313222B080CJ	313222B080CK	POA
				10	250	313222B100CJ	313222B100CK	POA
				12	300	313222B120CJ	313222B120CK	POA
				16	400	313222B160CJ	313222B160CK	\$ 2,622.50
22C	550	22.90 - 23.65	582-601	8	200	313222C080CJ	313222C080CK	POA
				10	250	313222C100CJ	313222C100CK	POA
				12	300	313222C120CJ	313222C120CK	POA
				16	400	313222C160CJ	313222C160CK	\$ 2,622.50

HOW TO ORDER: Choose nominal pipe size, width and outlet size with thread configuration. EXAMPLE: 8" DIP O.D. 9.05, 12" wide with a 2" NPT outlet. Order 3132AS- 8B x 12 X 2 NPT. **Part Number:**313208B120CK.



COATING OPTION: Anti-Seizing/Galling protection. Available for both Alloy and SST application. Inquire with sales for cost and availability.

3140 SMALL DIAMETER COLLAR LEAK

PANEL: Type 304 (18-8) Stainless Steel per ASTM A240.

GASKET: NBR multi o-ring stepped design from 100% new rubber to ensure performance under varying pressures with superior storage characteristics. Suitable for oil, mild acids, water and salt media with a temperature range of -25°F to +248°F.

ARMOR PLATE: Type 304 (18-8) Stainless Steel per ASTM A240, bonded to the gasket.

BOLTS & NUTS: Carbon Steel per ASTM A307, with electro-galvanized dichromate finish for added corrosion resistance.

LUGS: Ductile Iron per ASTM A536 with electro-galvanized finish.



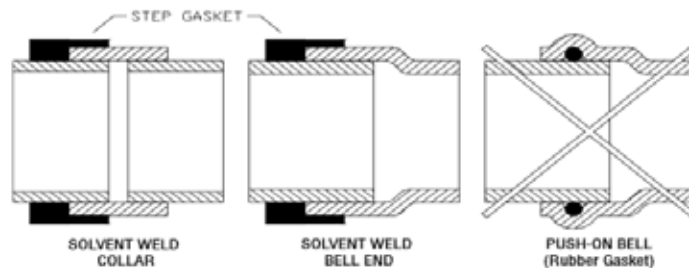
Nominal Pipe Size		Pipe OD Range		Collar Type	Width		Part Number	Price List
Custom Sizes and Ranges Available					Inches	MM		
Inches	MM	Inches	MM					
3/4	20	1.05	27	Sch 40 Collar	3	80	3140007030HA	\$ 30.70
				API Line Pipe			3140007030PA	
				EUE Tubing			3140007030RA	
				Sch 40 Collar	6	150	3140007060HA	\$ 56.90
				API Line Pipe			3140007060PA	
				EUE Tubing			3140007060RA	
1	25	1.32	33	Sch 40 Collar	3	80	3140010030HA	\$ 31.90
				API Line Pipe			3140010030PA	
				EUE Tubing			3140010030RA	
				Sch 40 Collar	6	150	3140010060HA	\$ 58.00
				API Line Pipe			3140010060PA	
				EUE Tubing			3140010060RA	
1 1/4	32	1.66	42	Sch 40 Collar	3	80	3140012030HA	\$ 33.00
				API Line Pipe			3104012030PA	
				EUE Tubing			3140012030RA	
				Sch 40 Collar	6	150	3140012060HA	\$ 59.20
				API Line Pipe			3140012060PA	
				EUE Tubing			3140012060RA	
1 1/2	40	1.90	48	Sch 40 Collar	3	80	3140015030HA	\$ 42.00
				API Line Pipe			3140015030PA	
				EUE Tubing			3140015030RA	
				Sch 40 Collar	6	150	3140015060HA	\$ 82.30
				API Line Pipe			3140015060PA	
				EUE Tubing			3140015060RA	

3140 SMALL DIAMETER COLLAR LEAK

Nominal Pipe Size		Pipe OD Range		Collar Type	Width		Part Number	Price List
Custom Sizes and Ranges Available					Inches	MM		
Inches	MM	Inches	MM					
2	50	2.38	61	Sch 40 Collar	3	80	3140020030HA	\$ 42.50
				API Line Pipe			3140020030PA	
				EUE Tubing			3140020030RA	
				Sch 40 Collar	6	150	3140020060HA	\$ 83.80
				API Line Pipe			3140020060PA	
				EUE Tubing			3140020060RA	
2 1/2	65	2.88	73	Sch 40 Collar	3	80	3140025030HA	\$ 45.50
				API Line Pipe			3140025030PA	
				EUE Tubing			3140025030RA	
				Sch 40 Collar	6	150	3140025060HA	\$ 86.20
				API Line Pipe			3140025060PA	
				EUE Tubing			3140025060RA	

Sch = Schedule API = American Petroleum Institute
 EUE = External Upset End - SDR = Standard Dimension Ratio

PowerSeal Collar Leak Repair Clamps provide a simple and permanent repair for leaking Solvent Weld PVC Bells and Collars as well as threaded Steel Pipe Collars. Since Collar Leak Clamps are designed to seal on both the outside diameter of the pipe and the leaking collar or bell, it is important that the proper clamp is ordered. These repair clamps are not recommended for leaking Push-On-Joint (gasketed) Bells.



HOW TO ORDER: Specify Model Number, Pipe Size with Collar Type, and Width. EXAMPLE: 2" Steel O.D. 2.38 with 3" wide Schedule 40 Collar. Order 3140 - 2" Sch 40 x 3. **Part Number:** 3140020030HA

3141 IRON LUGGED COLLAR LEAK

PANEL: Type 304 (18-8) Stainless Steel per ASTM A240.

GASKET: NBR Chek-O-Seal with multi o-ring sealing ribs from 100% new rubber to ensure performance under varying pressures with superior storage characteristics. Suitable for mild acids, water and salt media with a temperature range of -25°F to +200°F per ASTM D2000. Other materials available.

ARMOR PLATE: Type 304 (18-8) Stainless Steel per ASTM A240, recessed and bonded to the gasket. and AWWA C111. Optional Stainless Steel materials available with fusion bonded anti-galling coated nuts.

LUGS: Ductile Iron per ASTM A536.



Nominal Pipe Size		Pipe OD Range		Collar Type	Width		Part Number	Price List
Custom Sizes and Ranges Available					Inches	MM		
Inches	MM	Inches	MM					
2	50	2.38	61	Sch 40 Collar	6	150	3141020060HA	\$ 94.40
				SDR 26 Bell			3141020060UA	
				API Line Pipe			3141020060PA	
				EUE Tubing			3141020060RA	
				Sch 40 Collar	8	200	3141020080AH	\$ 112.40
				SDR 26 Bell			3141020080AU	
				API Line Pipe			3141020080AP	
				EUE Tubing			3141020080AR	
2 1/2	65	2.88	73	Sch 40 Collar	6	150	3141025060HA	\$ 98.50
				SDR 26 Bell			3141025060UA	
				API Line Pipe			3141025060PA	
				EUE Tubing			3141025060RA	
				Sch 40 Collar	8	200	3141025080AH	\$ 116.60
				SDR 26 Bell			3141025080AU	
				API Line Pipe			3141025080AP	
				EUE Tubing			3141025080AR	
3	80	3.50	89	Sch 40 Collar	6	150	3141030060HA	\$ 102.60
				SDR 26 Bell			3141030060UA	
				API Line Pipe			3141030060PA	
				EUE Tubing			3141030060RA	
				Sch 40 Collar	8	200	3141030080AH	\$ 128.60
				SDR 26 Bell			3141030080AU	
				API Line Pipe			3141030080AP	
				EUE Tubing			3141030080AR	
3 1/2	90	4.00	102	Sch 40 Collar	6	150	3141035060HA	\$ 115.80
				SDR 26 Bell			3141035060UA	
				API Line Pipe			3141035060PA	
				EUE Tubing			3141035060RA	
				Sch 40 Collar	8	200	3141035080AH	\$ 136.90
				SDR 26 Bell			3141035080AU	
				API Line Pipe			3141035080AP	
				EUE Tubing			3141035080AR	

3141 IRON LUGGED COLLAR LEAK

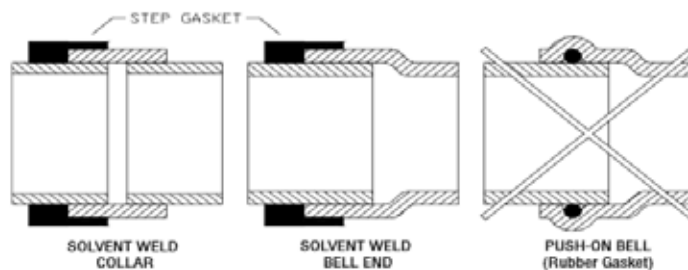
Nominal Pipe Size		Pipe OD Range		Collar Type	Width		Part Number	Price List
Custom Sizes and Ranges Available					Inches	MM		
Inches	MM	Inches	MM					
4	100	4.50	114	Sch 40 Collar	6	150	3141040060HA	\$ 125.90
				SDR 26 Bell			3141040060UA	
				API Line Pipe			3141040060PA	
				EUE Tubing			3141040060RA	
		Sch 40 Collar	8	200	3141040080AH	\$ 144.90		
		SDR 26 Bell			3141040080AU			
		API Line Pipe			3141040080AP			
		EUE Tubing			3141040080AR			
		4.13	105	PIP 80 Bell	6	150	3141040060VA	
					8	200	3141040080AV	
5	125	5.56	141	Sch 40 Collar	6	150	3141050060HA	\$ 131.40
				SDR 26 Bell			3141050060UA	
				API Line Pipe			3141050060PA	
				Sch 40 Collar	8	200	3141050080AH	\$ 156.20
				SDR 26 Bell			3141050080AU	
				API Line Pipe			3141050080AP	
6	150	6.63	168	Sch 40 Collar	6	150	3141060060HA	\$ 142.80
				SDR 26 Bell			3141060060UA	
				API Line Pipe			3141060060PA	
				Sch 40 Collar	8	200	3141060080AH	\$ 178.70
				SDR 26 Bell			3141060060AU	
				API Line Pipe			3141060080AP	
		6.14	156	PIP 80 Bell	6	150	3141060060VA	
					8	200	3141060080AV	
8	200	8.63	219	Sch 40 Collar	6	150	3141080060HA	\$ 158.90
				SDR 26 Bell			3141080060UA	
				Sch 40 Collar	8	200	3141080080AH	\$ 199.40
		SDR 26 Bell	3141080080AU					
		8.14	207	PIP 80 Bell	6	150	3141080060VA	
					8	200	3141080080AV	
10	250	10.75	273	Sch 40 Collar	6	150	3141100060HA	\$ 186.30
				SDR 26 Bell			3141100060UA	
				Sch 40 Collar	8	200	3141100080AH	\$ 201.50
				SDR 26 Bell			3141100080AU	
		10.20	259	PIP 80 Bell	6	150	3141100060VA	
					8	200	3141100080AV	

3141 IRON LUGGED COLLAR LEAK

Nominal Pipe Size		Pipe OD Range		Collar Type	Width		Part Number	Price List
Custom Sizes and Ranges Available					Inches	MM		
Inches	MM	Inches	MM					
12	300	12.75	324	Sch 40 Collar	6	150	3141120060HA	\$ 218.00
				SDR 26 Bell			3141120060UA	
				Sch 40 Collar	8	200	3141120080AH	\$ 267.80
				SDR 26 Bell			3141120080AU	
		12.24	311	PIP 80 Bell	6	150	3141120060VA	
					8	200	3141120080AV	
15	375	15.30	389	PIP 80 Bell	6"	150	3141150060VA	\$ 255.20
					8"	200	3141150080AV	\$ 353.60

Sch = Schedule API = American Petroleum Institute EUE = External Upset End - SDR = Standard Dimension Ratio

PowerSeal Collar Leak Repair Clamps provide a simple and permanent repair for leaking Solvent Weld PVC Bells and Collars as well as threaded Steel Pipe Collars. Since Collar Leak Clamps are designed to seal on both the outside diameter of the pipe and the leaking collar or bell, it is important that the proper clamp is ordered. These repair clamps are not recommended for leaking Push- On-Joint (gasketed) Bells.



"HOW TO ORDER: Specify Model Number, Pipe Size with Collar Type, and Width. EXAMPLE: 4" Steel O.D. 450 with 6" wide Schedule 40 Collar. Order 3141 - 4" Sch 40 x 6. **Part Number:** 3141040060HA .

3143AS ALL STAINLESS COLLAR LEAK

PANEL & LIFTER BAR: Type 304 (18-8) Stainless Steel per ASTM A240.

GASKET: NBR Chek-O-Seal with multi o-ring sealing ribs from 100% new rubber to ensure performance under varying pressures with superior storage characteristics. Suitable for mild acids, water and salt media with a temperature range of -25°F to +200°F per ASTM D2000. Other materials available.

ARMOR PLATE: Type 304 (18-8) Stainless Steel per ASTM A240, recessed and bonded to the gasket.

BOLTS & NUTS: Type 304 (18-8) Stainless Steel per ASTM A193 and A194. **NOTE:** Hex nuts are furnished with fusion bonded coating to prevent seizing galling.

LUGS: Type 304 (18-8) Stainless Steel per ASTM A240.

WASHERS: Delrin per ASTM D6778.



Nominal Pipe Size		Pipe OD Range		Collar Type	Width		Part Number	Price List
Custom Sizes and Ranges Available					Inches	MM		
Inches	MM	Inches	MM					
3	80	3.50	89	Sch 40 Collar	6	150	3143030060JA	\$ 93.80
				SDR 26 Bell			3143030060JU	
				API Line Pipe			3143030060JP	
				EUE Tubing			3143030060JR	
				Sch 40 Collar	8	200	3143030080JA	\$ 147.20
				SDR 26 Bell			3143030080JU	
				API Line Pipe			3143030080JP	
				EUE Tubing			3143030080JR	
3 1/2	90	4.00	102	Sch 40 Collar	6	150	3143035060JA	\$ 93.50
				API Line Pipe			3143035060JP	
				EUE Tubing			3143035060JR	
				Sch 40 Collar	8	200	3143035080JA	\$ 122.70
				SDR 26 Bell			3143035080JU	
				API Line Pipe			3143035080JP	
				EUE Tubing			3143035080JR	
				4	100	4.50	114	Sch 40 Collar
API Line Pipe	3143040060JP							
EUE Tubing	3143040060JR							
Sch 40 Collar	8	200	3143040080JA					\$ 178.00
API Line Pipe			3143040080JP					
EUE Tubing			3143040080JR					
4	100	4.13	105	PIP 80 Bell	6	150	3143040060JV	\$ 178.00
					8	200	3143040080JV	
5	125	5.56	141	Sch 40 Collar	6	150	3143050060JA	\$ 142.90
				API Line Pipe			3143050060JP	
				EUE Tubing			3143050060JR	
				Sch 40 Collar	8	200	3143050080JA	\$ 194.90
				API Line Pipe			3143050080JP	
				EUE Tubing			3143050080JR	

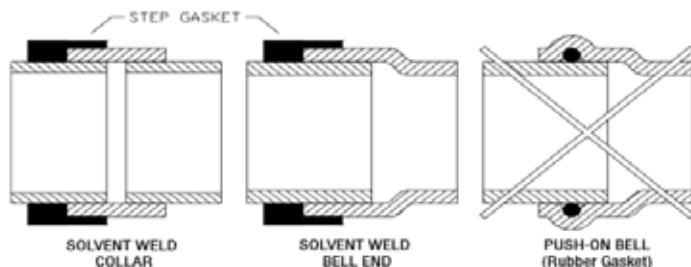
3143AS ALL STAINLESS COLLAR LEAK

Nominal Pipe Size		Pipe OD Range		Collar Type	Width		Part Number	Price List
Custom Sizes and Ranges Available					Inches	MM		
Inches	MM	Inches	MM					
6	150	6.63	168	Sch 40 Collar	6	150	3143060060JA	\$ 163.40
				API Line Pipe			3143060060JP	
				EUE Tubing			3143060060JR	
				Sch 40 Collar	8	200	3143060080JA	\$ 212.50
				API Line Pipe			3143060080JP	
				EUE Tubing			3143060080JR	
		6.14	156	PIP 80 Bell	6	150	3143060060JV	
					8	200	3143060080JV	
8	200	8.63	219	Sch 40 Collar	6	150	3143080060JA	\$ 182.40
				API Line Pipe			3143080060JP	
				EUE Tubing			3143080060JR	
				Sch 40 Collar	8	200	3143080080JA	\$ 238.40
				API Line Pipe			3143080080JP	
				EUE Tubing			3143080080JR	
		8.14	207	PIP 80 Bell	6	150	3143080060JV	
					8	150	3143080080JV	
10	250	10.75	273	Sch 40 Collar	6	150	3143100060JA	\$ 216.30
				API Line Pipe			3143100060JP	
				EUE Tubing			3143100060JR	
				Sch 40 Collar	8	200	3143100080JA	\$ 267.40
				API Line Pipe			3143100080JP	
				EUE Tubing			3143100080JR	
		10.20	259	PIP 80 Bell	6	150	3143100060JV	
					8	200	3143100080JV	
12	300	12.75	324	Sch 40 Collar	6	150	3143120060JA	\$ 253.10
				API Line Pipe			3143120060JP	
				EUE Tubing			3143120060JR	
				Sch 40 Collar	8	200	3143120080JA	\$ 304.20
				API Line Pipe			3143120080JP	
				EUE Tubing			3143120080JR	
		12.24	311	PIP 80 Bell	6	150	3143120060JV	
					8	200	3143120080JV	
15	375	15.30	389	PIP 80 Bell	6	150	3143150060JV	\$ 292.80
					8	200	3143150080JV	\$ 328.40

3143AS ALL STAINLESS COLLAR LEAK

Sch 40, API, EUE, SDR 26 and PIP = Plastic Irrigation Pipe.

PowerSeal Collar Leak Repair Clamps provide a simple and permanent repair for leaking Solvent Weld PVC Bells and Collars as well as threaded Steel Pipe Collars. Since Collar Leak Clamps are designed to seal on both the outside diameter of the pipe and the leaking collar or bell, it is important that the proper clamp is ordered. These repair clamps are not recommended for leaking Push-On-Joint (gasketed) Bells.



HOW TO ORDER: Specify Model Number, Pipe Size with Collar Type, and Width. EXAMPLE: 4" Steel O.D. 4.50 with 6" wide Schedule 40 Collar. Order 3143AS - 4" Sch 40 x 6. **Part Number:**3143040060JA.

3146 POWERCOPPER JOINT REPAIR CLAMP

(For use in repairing solvent weld copper connections on copper pipe)

PANEL: Type 304 (18-8) Stainless Steel per ASTM A240.

GASKET: Molded Waffle NBR design from 100% new rubber to ensure performance under varying pressures with superior storage characteristics. Suitable for oil, mild acids, water, salt media and most aliphatic hydrocarbon fluids with a temperature range of -25° to +248°F.

ARMOR PLATE: Type 304 (18-8) Stainless Steel per ASTM A240, bonded to the gasket.

BOLTS & NUTS: Low Alloy Steel per ASTM A325, ASTM A563, and AWWA C111. Optional Stainless Steel materials available with fusion bonded anti-galling coated nuts.

LUGS: Ductile Iron per ASTM A536 with electro galvanized finish.



Nominal Pipe Size		CTS-OD Range		Width		Part Number	Price List
Inches	MM	Inches	MM	Inches	MM		
1/2	15	0.625	18	3	80	3146005030WT	\$ 29.50
3/4	20	0.875	22	3	80	3146007030WT	\$ 31.50
1	25	1.125	29	3	80	3146010030WT	\$ 32.50
1 - 1/4	32	1.375	35	3	80	3146012030WT	\$ 33.50
1- 1/2	40	1.625	41	3	80	3146015030WT	\$ 35.50
2	50	2.125	54	3	80	3146020030WT	\$ 40.00
2-1/2	63	2.625	67	3	80	3146025030WT	\$ 45.00
3	80	3.125	80	3	80	3146030030WT	\$ 60.50
4	100	4.125	105	3	80	3146030030WT	\$ 65.00

HOW TO ORDER: Specify Model Number and Pipe Size with OD. EXAMPLE: 2" Copper tube O.D. 2.13 with 3" width. Order 3146 - 2.13 x 3. **Part Number:** 3146020030WT

3151 PATCH CLAMP

PANEL: Type 304 (18-8) Stainless Steel per ASTM A240.

GASKET: Molded Waffle NBR design from 100% new rubber to ensure performance under varying pressures with superior storage characteristics. Suitable for oil, mild acids, water, salt media and most aliphatic hydrocarbon fluids with a temperature range of -25°F to +248°F.

BOLTS & NUTS: Carbon Steel per ASTM A307, with electrogalvanized dichromate finish for added corrosion resistance. Optional Stainless Steel available.

LUGS: Ductile Iron per ASTM A536 with electro-galvanized finish.



Nominal Pipe Size		Pipe OD Range		BOLTS	Width		Part Number	Price List
Custom Sizes and Ranges Available					Inches	MM		
Inches	MM	Inches	MM					
1/2	15	0.84	21	PS	3	80	3151005030WA	\$ 12.70
				SS			3151005030IW	\$ 31.90
				PS	6	150	315005060WA	\$ 23.50
				SS			3151005060IW	\$ 57.50
				PS	9	230	3151005090WA	\$ 38.00
				SS			3151005090IW	\$ 99.40
				PS	12	300	3151005120WA	\$ 52.40
				SS			3151005120IW	\$ 133.20
3/4	20	1.05	27	PS	3	80	3151007030WA	\$ 12.90
				SS			3151007030IW	\$ 32.40
				PS	6	150	3151007060WA	\$ 24.10
				SS			3151007060IW	\$ 58.10
				PS	9	230	3151007090WA	\$ 41.00
				SS			3151007090IW	\$ 102.40
				PS	12	300	3151007120WA	\$ 54.00
				SS			3151007120IW	\$ 137.40
1	25	1.32	34	PS	3	80	3151010030WA	\$ 14.20
				SS			3151010030IW	\$ 33.80
				PS	6	150	3151010060WA	\$ 25.60
				SS			3151010060IW	\$ 59.70
				PS	9	230	3151010090WA	\$ 43.20
				SS			3151010090IW	\$ 105.60
				PS	12	300	3151010120WA	\$ 55.80
				SS			3151010120IW	\$ 141.50
1 1/4	32	1.66	42	PS	3	80	3151012030WA	\$ 14.50
				SS			3151012030IW	\$ 34.00
				PS	6	150	3151012060WA	\$ 27.00
				SS			3151012060IW	\$ 61.10
				PS	9	230	3151012090WA	\$ 44.50
				SS			3151012090IW	\$ 108.90
				PS	12	300	3151012120WA	\$ 57.40
				SS			3151012120IW	\$ 145.90

3151 PATCH CLAMP

Nominal Pipe Size		Pipe OD Range		BOLTS	Width		Part Number	Price List
Custom Sizes and Ranges Available					Inches	MM		
Inches	MM	Inches	MM					
1 1/2	40	1.90	48	PS	3	80	3151015030WA	\$ 15.70
				SS			3151015030IW	\$ 29.30
				PS	6	150	3151015060WA	\$ 38.20
				SS			3151015060IW	\$ 73.30
				PS	9	230	3151015090WA	\$ 45.90
				SS			3151015090IW	\$ 112.30
				PS	12	300	3151015120WA	\$ 59.20
				SS			3151015120IW	\$ 150.40
2	50	2.00	51	PS	3	80	3151020030WX	\$ 16.90
				SS			3151020030IWX	\$ 38.90
				PS	6	150	3151020060WX	\$ 29.90
				SS			3151020060IWX	\$ 75.80
				PS	9	230	3151020090WX	\$ 46.00
				SS			3151020090IWX	\$ 115.70
				PS	12	300	3151020120WX	\$ 61.00
				SS			3151020120IWX	\$ 155.10
2	50	2.38	60	PS	3	80	3151020030WA	\$ 17.00
				SS			3151020030IW	\$ 39.60
				PS	6	150	3151020060WA	\$ 30.80
				SS			3151020060IW	\$ 76.20
				PS	9	230	3151020090WA	\$ 47.20
				SS			3151020090IW	\$ 117.30
				PS	12	300	3151020120WA	\$ 62.60
				SS			3151020120IW	\$ 156.10
2 1/2	65	2.88	73	PS	3	80	3151025030WA	\$ 21.30
				SS			3151025030IW	\$ 44.70
				PS	6	150	3151025060WA	\$ 42.50
				SS			3151025060IW	\$ 87.50
				PS	9	230	3151025090WA	\$ 63.20
				SS			3151025090IW	\$ 131.90
				PS	12	300	3151025120WA	\$ 85.50
				SS			3151025120IW	\$ 176.40
3	80	3.00	76	PS	3	80	3151030030WX	\$ 21.40
				SS			3151030030IWX	\$ 45.00
				PS	6	150	3151030060WX	\$ 44.10
				SS			3151030060IWX	\$ 90.60
				PS	9	230	3151030090WX	\$ 69.30
				SS			3151030060IWX	\$ 136.20
				PS	12	300	3151030120WX	\$ 94.20
				SS			3151030120IWX	\$ 184.10

3151 PATCH CLAMP

Nominal Pipe Size		Pipe OD Range		BOLTS	Width		Part Number	Price List
Custom Sizes and Ranges Available					Inches	MM		
Inches	MM	Inches	MM					
3	80	3.50	89	PS	3	80	3151030060WA	\$ 22.40
				SS			3151030060IW	\$ 46.70
				PS	6	150	3151030060WA	\$ 45.00
				SS			3151030060IW	\$ 93.80
				PS	9	230	3151030090WA	\$ 74.10
				SS			3151030090IW	\$ 144.30
				PS	12	300	3151030120WA	\$ 100.80
				SS			3151030120IW	\$ 194.50
4	100	4.00	102	PS	3	80	3151040030WX	\$ 24.10
				SS			3151040030IWX	\$ 47.30
				PS	6	150	3151040060WX	\$ 46.70
				SS			3151040060IWX	\$ 95.00
				PS	9	230	3151040090WX	\$ 74.70
				SS			3151040090IWX	\$ 146.60
				PS	12	300	3151040120WX	\$ 102.50
				SS			3151040120IWX	\$ 197.40
4	100	4.50	114	PS	3	80	3151040030WA	\$ 25.90
				SS			3151040030IW	\$ 58.00
				PS	6	150	3151040060WA	\$ 48.00
				SS			3151040060IW	\$ 100.00
				PS	9	230	3151040090WA	\$ 89.90
				SS			3151040090IW	\$ 160.90
				PS	12	300	3151040120WA	\$ 120.30
				SS			3151040120IW	\$ 216.30
5	125	5.00	127	PS	3	80	3151050030WX	\$ 28.90
				SS			3151050030IWX	\$ 59.00
				PS	6	150	3151050060WX	\$ 57.30
				SS			3151050060IWX	\$ 104.50
				PS	9	230	3151050090WX	\$ 98.00
				SS			3151050090IWX	\$ 167.20
				PS	12	300	3151050120WX	\$ 130.60
				SS			3151050120IWX	\$ 222.70
5	125	5.56	141	PS	3	80	3151050030WA	\$ 29.30
				SS			3151050030IW	\$ 60.70
				PS	6	150	3151050060WA	\$ 58.10
				SS			3151050060IW	\$ 106.00
				PS	9	230	3151050090WA	\$ 98.30
				SS			3151050090IW	\$ 168.70
				PS	12	300	3151050120WA	\$ 131.40
				SS			3151050120IW	\$ 223.50

3151 PATCH CLAMP

Nominal Pipe Size		Pipe OD Range		BOLTS	Width		Part Number	Price List
Custom Sizes and Ranges Available					Inches	MM		
Inches	MM	Inches	MM					
6	150	6.00	152	PS	3	80	3151060030WX	\$ 30.30
				SS			3151060030IWX	\$ 63.90
				PS	6	150	3151060060WX	\$ 58.80
				SS			3151060060IWX	\$ 107.70
				PS	9	230	3151060090WX	\$ 98.70
				SS			3151060090IWX	\$ 172.40
				PS	12	300	3151060120WX	\$ 132.00
				SS			3151060120IWX	\$ 228.50
6	150	6.25	159	PS	3	80	3151060030WX	\$ 30.40
				SS			3151060030IWX	\$ 63.90
				PS	6	150	3151060060WX	\$ 58.70
				SS			3151060060IWX	\$ 107.70
				PS	9	230	3151060090WX	\$ 98.70
				SS			3151060090IWX	\$ 172.40
				PS	12	300	3151060120WX	\$ 132.00
				SS			3151060120IWX	\$ 228.50
6	150	6.63	168	PS	3	80	3151060030WA	\$ 30.90
				SS			3151060030IW	\$ 65.70
				PS	6	150	3151060060WA	\$ 60.40
				SS			3151060060IW	\$ 109.10
				PS	9	230	3151060090WA	\$ 101.80
				SS			3151060090IW	\$ 174.20
				PS	12	300	3151060120WA	\$ 136.40
				SS			3151060120IW	\$ 234.00
8	200	8.00	203	PS	3	80	3151080030WX	\$ 34.20
				SS			3151080030IWX	\$ 66.60
				PS	6	150	3151080060WX	\$ 66.90
				SS			3151080060IWX	\$ 115.30
				PS	9	230	3151080090WX	\$ 107.30
				SS			3151080090IWX	\$ 180.00
				PS	12	300	3151080120WX	\$ 157.30
				SS			3151080120IWX	\$ 255.50
8	200	8.63	219	PS	3	80	3151080030WA	\$ 36.20
				SS			3151080030IW	\$ 68.90
				PS	6	150	3151080060WA	\$ 70.30
				SS			3151080060IW	\$ 119.10
				PS	9	230	3151080090WA	\$ 111.00
				SS			3151080090IW	\$ 183.80
				PS	12	300	3151080120WA	\$ 172.70
				SS			3151080120IW	\$ 270.30

3151 PATCH CLAMP

Nominal Pipe Size		Pipe OD Range		BOLTS	Width		Part Number	Price List
Custom Sizes and Ranges Available					Inches	MM		
Inches	MM	Inches	MM					
10	250	10.00	254	PS	3	80	3151100030WX	\$ 66.30
				SS			3151100030IWX	\$ 104.50
				PS	6	150	3151100060WX	\$ 136.30
				SS			3151100060IWX	\$ 185.90
				PS	9	230	3151100090WX	\$ 224.70
				SS			3151100090IWX	\$ 287.40
				PS	12	300	3151100120WX	\$ 293.10
				SS			3151100120IWX	\$ 392.00
10	250	10.75	273	PS	3	80	3151100030WA	\$ 66.60
				SS			3151100030IW	\$ 113.80
				PS	6	150	3151100060WA	\$ 137.90
				SS			3151100060IW	\$ 187.30
				PS	9	230	3151100090WA	\$ 225.30
				SS			3151100090IW	\$ 290.30
				PS	12	300	3151100120WA	\$ 294.90
				SS			3151100120IW	\$ 395.30
12	300	12.00	305	PS	3	80	3151120030WX	\$ 75.40
				SS			3151120030IWX	\$ 122.50
				PS	6	150	3151120060WX	\$ 147.30
				SS			3151120060IWX	\$ 197.40
				PS	9	230	3151120090WX	\$ 47.20
				SS			3151120090IWX	\$ 117.30
				PS	12	300	3151120120WX	\$ 237.10
				SS			3151120120IWX	\$ 301.90
12	300	12.75	324	PS	3	80	3151120030WA	\$ 76.30
				SS			3151120030IW	\$ 123.70
				PS	6	150	3151120060WA	\$ 147.80
				SS			3151120060IW	\$ 200.30
				PS	9	230	3151120090WA	\$ 237.50
				SS			3151120090IW	\$ 304.90
				PS	12	300	3151120120WA	\$ 308.10
				SS			3151120120IW	\$ 410.10

PS = Plated Steel Bolts SS = Stainless Steel

HOW TO ORDER: Specify Model Number, Pipe Size with OD, Width, and Type of Bolt. EXAMPLE: 2" Steel O.D. 2.38 with 6" width Plated Steel Bolts. Order 3151 - 2.38 x 6 PS. **Part Number:** 3151020060WA .

3151AS-W ALL STAINLESS PATCH CLAMP

PANEL & LIFTER BAR: Type 304 (18-8) Stainless Steel per ASTM A240.

GASKET: Molded Waffle NBR design from 100% new rubber to ensure performance under varying pressures with superior storage characteristics. Suitable for oil, mild acids, water, salt media and most aliphatic hydrocarbon fluids with a temperature range of -25°F to +248°F.

BOLTS & NUTS: Type 304 (18-8) Stainless Steel per ASTM A193 and A194. NOTE: Hex nuts are furnished with fusion bonded coating to prevent seizing and/or galling.

LUGS: Type 304 (18-8) Stainless Steel per ASTM A240.

WASHERS: Delrin per ASTM D6778.



Nominal Pipe Size		Pipe OD Range		Width		Part Number	Price List
Custom Sizes and Ranges Available							
Inches	MM	Inches	MM	Inches	MM		
1/2	15	0.84	21	4	100	3151005040WS	\$ 38.90
				8	200	3151005080WS	\$ 67.70
				12	300	3151005120WS	\$ 98.00
3/4	20	1.05	27	4	100	3151007040WS	\$ 38.90
				8	200	3151007080WS	\$ 67.70
				12	300	3151007120WS	\$ 98.00
1	25	1.32	34	4	100	3151010040WS	\$ 38.90
				8	200	3151010080WS	\$ 67.70
				12	300	3151010120WS	\$ 98.00
1 1/4	32	1.66	42	4	100	3151012040WS	\$ 41.30
				8	200	3151012080WS	\$ 72.80
				12	300	3151012120WS	\$ 108.90
1 1/2	40	1.90	48	4	100	3151015040WS	\$ 41.30
				8	200	3151015080WS	\$ 72.80
				12	300	3151015120WS	\$ 108.90
2	50	2.00	51	4	100	3151020040WXS	\$ 41.30
				8	200	3151020080WXS	\$ 72.80
				12	300	3151020120WXS	\$ 108.90
2	50	2.38	60	4	100	3151020040WS	\$ 41.30
				8	200	3151020080WS	\$ 72.80
				12	300	3151020120WS	\$ 108.90
2 1/2	65	2.88	73	4	100	3151025040WS	\$ 43.80
				8	200	3151025080WS	\$ 87.30
				12	300	3151025120WS	\$ 130.60
3	80	3.00	76	4	100	3151030040WXS	\$ 43.80
				8	200	3151030080WXS	\$ 87.30
				12	300	3151030120WXS	\$ 130.60
3	80	3.50	89	4	100	3151030040WS	\$ 43.80
				8	200	3151030080WS	\$ 87.30
				12	300	3151030120WS	\$ 130.60

3151AS-W ALL STAINLESS PATCH CLAMP

Nominal Pipe Size		Pipe OD Range		Width		Part Number	Price List
Custom Sizes and Ranges Available							
Inches	MM	Inches	MM	Inches	MM		
4	100	4.00	102	4	100	3151040040WXS	\$ 45.40
				8	200	3151040080WXS	\$ 88.40
				12	300	3151040120WXS	\$ 133.30
4	100	4.50	114	4	100	3151040040WS	\$ 45.40
				8	200	3151040080WS	\$ 88.40
				12	300	3151040120WS	\$ 133.30
5	125	5.00	127	4	100	3151050040WXS	\$ 56.70
				8	200	3151050080WXS	\$ 103.40
				12	300	3151050120WXS	\$ 155.60
5	125	5.56	141	4	100	3151050040WS	\$ 56.70
				8	200	3151050080WS	\$ 103.40
				12	300	3151050120WS	\$ 155.60
6	150	6.00	152	4	100	3151060040WXS	\$ 56.70
				8	200	3151060080WXS	\$ 103.40
				12	300	3151060120WXS	\$ 155.60
6	150	6.63	168	4	100	3151060040WS	\$ 56.70
				8	200	3151060080WS	\$ 103.40
				12	300	3151060120WS	\$ 155.60
8	200	8.00	203	4	100	3151080040WXS	\$ 65.60
				8	200	3151080080WXS	\$ 116.10
				12	300	3151080100WXS	\$ 165.60
8	200	8.63	219	4	100	3151080040WS	\$ 65.60
				8	200	3151080080WS	\$ 116.10
				12	300	3151080120WS	\$ 165.60
10	250	10.00	254	4	100	3151100040WXS	\$ 71.50
				8	200	3151100080WXS	\$ 128.00
				12	300	3151100120WXS	\$ 243.60
10	250	10.75	273	4	100	3151100040WS	\$ 71.50
				8	200	3151100080WS	\$ 128.00
				12	300	3151100120WS	\$ 243.60
12	300	12.00	305	4	100	3151120040WXS	\$ 75.80
				8	200	3151120080WXS	\$ 136.50
				12	300	3151120120WXS	\$ 248.40
12	300	12.75	324	4	100	3151120040WS	\$ 75.80
				8	200	3151120080WS	\$ 136.50
				12	300	3151120120WS	\$ 248.40

HOW TO ORDER: Specify Model Number, Pipe Size with OD, and Width. EXAMPLE: 2" Steel O.D. 2.38 with 8" Clamp Width. Order 3151AS-W - 2.38 x 8. **Part Number:** 3151020080WS .

3151HD LARGE DIAMETER HEAVY DUTY PATCH CLAMP

PANEL: Type 304 (18-8) Stainless Steel per ASTM A240.

GASKET: Molded Waffle NBR design from 100% new rubber to ensure performance under varying pressures with superior storage characteristics. Suitable for oil, mild acids, water, salt media and most aliphatic hydrocarbon fluids with a temperature range of -40° to +248°F.

BOLTS & NUTS: Low Alloy Steel per ASTM A325, ASTM A563, and AWWA C111. Optional Stainless Steel materials available with fusion bonded anti-galling coated nuts.

LUGS: Ductile Iron per ASTM A536.



Nominal Pipe Size		Pipe OD Range		BOLTS	Width		Part Number	Price List
Custom Sizes and Ranges Available					Inches	MM		
Inches	MM	Inches	MM					
10	250	10.00	254	PS	5	125	3151100050WX	\$ 210.90
				SS			3151100050IWX	\$ 321.10
				PS	10	250	3151100100WX	\$ 435.40
				SS			3151100100IWX	\$ 596.80
10	250	10.75	273	PS	5	125	3151100050WA	\$ 217.40
				SS			3151100050IW	\$ 443.50
				PS	10	250	3151100100WA	\$ 326.50
				SS			3151100100IW	\$ 652.90
12	300	12.00	305	LAS	5	125	3151120050WX	\$ 221.80
				SS			3151120050IWX	\$ 331.90
				LAS	10	250	3151120100WX	\$ 462.40
				SS			3151120100IWX	\$ 663.70
12	300	12.75	324	LAS	5	125	3151120050WA	\$ 232.60
				SS			3151120050IW	\$ 470.60
				LAS	10	250	3151120100WA	\$ 345.20
				SS			3151120100IW	\$ 690.40
14	350	14.00	356	LAS	5	125	3151140050WX	\$ 243.40
				SS			3151140050IWX	\$ 355.90
				LAS	10	250	3151140100WX	\$ 486.80
				SS			3151140100IWX	\$ 711.90
16	400	16.00	406	LAS	5	125	3151160050WX	\$ 262.30
				SS			3151160050IWX	\$ 524.70
				LAS	10	250	3151160100WX	\$ 377.30
				SS			3151160100IWX	\$ 754.70
18	450	18.00	457	LAS	5	125	3151180050WX	\$ 275.80
				SS			3151180050IWX	\$ 551.70
				LAS	10	250	3151180100WX	\$ 390.70
				SS			3151180100IWX	\$ 781.40

3151HD LARGE DIAMETER HEAVY DUTY PATCH CLAMP

Nominal Pipe Size		Pipe OD Range		BOLTS	Width		Part Number	Price List
Custom Sizes and Ranges Available					Inches	MM		
Inches	MM	Inches	MM					
20	500	20.00	508	LAS	5	125	3151200050WX	\$ 292.10
				SS			3151200050IWX	\$ 584.10
				LAS	10	250	3151200100WX	\$ 406.80
				SS			3151200100IWX	\$ 813.50
22	550	22.00	559	LAS	5	125	3151220050WX	\$ 311.00
				SS			3151220050IWX	\$ 622.00
				LAS	10	250	3151220100WX	\$ 425.50
				SS			3151220100IWX	\$ 851.00
24	600	24.00	610	LAS	5	125	3151240050WX	\$ 324.50
				SS			3151240050IWX	\$ 441.60
				LAS	10	250	3151240100WX	\$ 649.00
				SS			3151240100IWX	\$ 883.10
30	750	30.00	762	LAS	5	125	3151300050WX	\$ 381.30
				SS			3151300050IWX	\$ 762.60
				LAS	10	250	3151200100WX	\$ 495.10
				SS			3151200100IWX	\$ 990.10

HOW TO ORDER: Specify Model Number, Pipe Size with OD, Width, and Type of Bolt. EXAMPLE: 10" Steel O.D. 10.75 with 10" wide Stainless Steel Bolts. Order 3151HD - 10.75 x 10 SS. **Part Number:** 3151100100IWX.



COATING OPTION: Anti-Seizing/Galling protection. Available for both Alloy and SST application. Inquire with sales for cost and availability.

3152W SMALL DIAMETER COMPLETE CIRCLE

PANEL: Type 304 (18-8) Stainless Steel per ASTM A240.

GASKET: Molded Waffle NBR design from 100% new rubber to ensure performance under varying pressures with superior storage characteristics. Suitable for oil, mild acids, water, salt media and most aliphatic hydrocarbon fluids with a temperature range of -25°F to +248°F.

ARMOR PLATE: Type 304 (18-8) Stainless Steel per ASTM A240, bonded to the gasket.

BOLTS & NUTS: Carbon Steel per ASTM A307, with electrogalvanized dichromate finish for added corrosion resistance. Optional Stainless Steel available.

LUGS: Ductile Iron per ASTM A536 with electro-galvanized finish.



Nominal Pipe Size		Pipe OD Range		BOLTS	Width		Part Number	List Price
Custom Sizes and Ranges Available					Inches	MM		
Inches	MM	Inches	MM					
1/2	15	IPS		PS	3	80	3152005030WA	\$ 51.50
		0.84	21	SS			3152005030IW	\$ 63.60
				PS	6	150	3152005060WA	\$ 103.40
				SS			3152005060IW	\$ 127.40
				PS	9	230	3152005090WA	\$ 154.90
				SS			3152005090IW	\$ 191.00
				PS	12	300	3152005120WA	\$ 206.80
		SS	3152005120IW	\$ 254.80				
1/2	15	CTS						
		0.63	18	PS	3	80	3152005030WT	\$ 51.50
				SS			3152005030IT-W	\$ 63.60
				PS	6	150	3152005060WT	\$ 103.40
				SS			3152005060IT-W	\$ 127.40
				PS	9	230	3152005090WT	\$ 154.90
				SS			3152005090IT-W	\$ 191.00
		PS	12	300	3152005120WT	\$ 206.80		
SS	3152005120IT-W	\$ 254.80						
3/4	20	IPS						
		1.05	27	PS	3	80	3152007030WA	\$ 52.60
				SS			3152007030IW	\$ 64.50
				PS	6	150	3152007060WA	\$ 110.50
				SS			3152007060IW	\$ 128.90
				PS	9	230	3152007090WA	\$ 157.80
				SS			3152007090IW	\$ 193.60
		PS	12	300	3152007120WA	\$ 209.90		
SS	3152007120IW	\$ 257.90						
3/4	20	CTS						
		0.88	22	PS	3	80	3152007030WT	\$ 52.60
				SS			3152007030IT-W	\$ 64.50
				PS	6	150	3152007060WT	\$ 103.40
				SS			3152007060IT-W	\$ 128.90
				PS	9	230	3152007090WT	\$ 154.90
				SS			3152007090IT-W	\$ 191.00
		PS	12	300	3152007120WT	\$ 206.80		
SS	3152007120IT-W	\$ 254.80						

3152W SMALL DIAMETER COMPLETE CIRCLE

Nominal Pipe Size		Pipe OD Range		BOLTS	Width		Part Number	List Price
Custom Sizes and Ranges Available					Inches	MM		
Inches	MM	Inches	MM					
1	25	IPS		PS	3	80	3152010030WA	\$ 55.50
		1.32	34	SS			3152010030IW	\$ 67.50
				PS	6	150	3152010060WA	\$ 110.90
				SS			3152010060IW	\$ 134.90
				PS	9	230	3152010060WA	\$ 166.80
				SS			3152010060IW	\$ 202.60
				PS	12	300	3152010120WA	\$ 222.00
		SS	3152010120IW	\$ 270.10				
1	25	CTS		PS	3	80	3152010030WT	\$ 55.50
		1.13	29	SS			3152010030IT-W	\$ 68.00
				PS	6	150	3152010060WT	\$ 110.90
				SS			3152010060IT-W	\$ 134.90
				PS	9	230	3152010090WT	\$ 166.80
				SS			3152010090IT-W	\$ 202.60
				PS	12	300	3152010120WT	\$ 222.00
		SS	3152010120IT-W	\$ 270.10				
1 1/4	32	IPS		PS	3	80	3152012030WA	\$ 57.00
		1.66	42	SS			3152012030IW	\$ 68.60
				PS	6	150	3152012060WA	\$ 113.80
				SS			3152012060IW	\$ 137.80
				PS	9	230	3152012090WA	\$ 170.80
				SS			3152012090IW	\$ 204.10
				PS	12	300	3152012120WA	\$ 227.30
		SS	3152012120IW	\$ 275.50				
1 1/4	32	CTS		PS	3	80	3152012030WT	\$ 57.00
		1.38	35	SS			3152012030IT-W	\$ 68.60
				PS	6	150	3152012060WT	\$ 113.80
				SS			3152012060IT-W	\$ 137.80
				PS	9	230	3152012090WT	\$ 170.80
				SS			3152012090IT-W	\$ 204.10
				PS	12	300	3152012120WT	\$ 227.30
		SS	3152012120IT-W	\$ 275.50				

3152W SMALL DIAMETER COMPLETE CIRCLE

Nominal Pipe Size		Pipe OD Range		BOLTS	Width		Part Number	List Price
Custom Sizes and Ranges Available					Inches	MM		
Inches	MM	Inches	MM					
1 1/2	40	IPS						
		1.90	48	PS	3	80	3152015030WA	\$ 58.50
				SS			3152015030IW	\$ 70.60
				PS	6	150	3152015060WA	\$ 117.00
				SS			3152015060IW	\$ 141.00
				PS	9	230	3152015090WA	\$ 175.50
				SS			3152015090IW	\$ 211.40
				PS	12	300	3152015120WA	\$ 234.10
SS			3152015120IW	\$ 281.90				
1 1/2	40	CTS						
		1.63	41	PS	3	80	3152015030WT	\$ 58.50
				SS			3152015030IT-W	\$ 70.60
				PS	6	150	3152015060WT	\$ 117.00
				SS			3152015060IT-W	\$ 141.00
				PS	9	230	3152015090WT	\$ 175.50
				SS			3152015090IT-W	\$ 211.40
				PS	12	300	3152015120WT	\$ 234.10
SS	3152015120IT-W	\$ 281.90						
2	50	IPS						
		2.38	60	PS	3	80	3152020030WA	\$ 63.60
				SS			3152020030IW	\$ 81.60
				PS	6	150	3152020060WA	\$ 127.40
				SS			3152020060IW	\$ 163.30
				PS	9	230	3152020090WA	\$ 191.00
				SS			3152020090IW	\$ 244.90
				PS	12	300	3152020120WA	\$ 254.80
SS			3152020120IW	\$ 326.50				
2	50	CTS						
		2.13	54	PS	3	80	3152020030WT	\$ 63.60
				SS			3152020030IT-W	\$ 81.60
				PS	6	150	3152020060WT	\$ 127.40
				SS			3152020060IT-W	\$ 163.30
				PS	9	230	3152020090WT	\$ 191.00
				SS			3152020090IT-W	\$ 244.90
				PS	12	300	3152020120WT	\$ 254.80
SS	3152020120IT-W	\$ 326.50						

PS = Plated Steel Bolts SS = Stainless Steel Bolts

HOW TO ORDER: Specify Model Number, Pipe Size with OD, Width, and Type of Bolt. EXAMPLE: 2" Copper O.D. 2.13 with 6" wide Plated Steel Bolts. Order 3152W - 2.13 x 6 PS. **Part Number:** 3152020060WT.

3153PS-W SMALL DIAMETER COMPLETE CIRCLE

PANEL: Type 304 (18-8) Stainless Steel per ASTM A240.

GASKET: Molded Waffle NBR design from 100% new rubber to ensure performance under varying pressures with superior storage characteristics. Suitable for oil, mild acids, water, salt media and most aliphatic hydrocarbon fluids with a temperature range of -25°F to +248°F.

ARMOR PLATE: Type 304 (18-8) Stainless Steel per ASTM A240 bonded to the gasket.

BOLTS & NUTS: Carbon Steel per ASTM A307, with electrogalvanized dichromate finish for added corrosion resistance. Optional Stainless Steel available.

LUGS: Ductile Iron per ASTM A536 with electro-galvanized finish.



Nominal Pipe Size		Pipe OD Range		BOLTS	Width		Part Number	Price List
Custom Sizes and Ranges Available					Inches	MM		
Inches	MM	Inches	MM					
1/2	15	IPS						
		0.84	21	PS	3	80	3153005030WA-PS	\$ 43.80
				SS			3153005030IW-PS	\$ 65.80
				PS	6	150	3153005060WA-PS	\$ 93.20
				SS			3153005060IW-PS	\$ 114.80
				PS	9	230	3153005090WA-PS	\$ 186.50
				SS			3153005090IW-PS	\$ 229.70
				PS	12	300	3153005120WA-PS	\$ 239.10
SS	3153005120IW-PS			\$ 294.10				
1/2	15	CTS						
		0.63	18	PS	3	80	3153005030WT-PS	\$ 43.80
				SS			3153005030IW-PS	\$ 65.80
				PS	6	150	3153005060WT-PS	\$ 93.20
				SS			3153005060IW-PS	\$ 114.80
				PS	9	230	3153005090WT-PS	\$ 186.50
				SS			3153005090IW-PS	\$ 229.70
				PS	12	300	3153005120WT-PS	\$ 239.10
SS	3153005120IW-PS			\$ 294.10				
3/4	20	IPS						
		1.05	27	PS	3	80	3153007030WA-PS	\$ 44.30
				SS			3153007030IW-PS	\$ 66.40
				PS	6	150	3153007060WA-PS	\$ 93.70
				SS			3153007060IW-PS	\$ 119.70
				PS	9	230	3153007090WA-PS	\$ 187.50
				SS			3153007090IW-PS	\$ 230.30
				PS	12	300	3153007120WA-PS	\$ 240.10
SS	3153007120IW-PS			\$ 305.20				

3153PS-W SMALL DIAMETER COMPLETE CIRCLE

Nominal Pipe Size		Pipe OD Range		BOLTS	Width		Part Number	Price List
Custom Sizes and Ranges Available					Inches	MM		
Inches	MM	Inches	MM					
3/4	20	CTS		PS	3	80	3153007030WT-PS	\$ 44.30
		0.88	22	SS			3153007030IWT-PS	\$ 66.40
				PS	6	150	3153007060WT-PS	\$ 93.70
				SS			3153007060IWT-PS	\$ 119.70
				PS	9	230	3153007090WT-PS	\$ 187.50
				SS			3153007090IWT-PS	\$ 230.30
				PS	12	300	3153007120WT-PS	\$ 240.10
		SS	3153007120IWT-PS	\$ 305.20				
1	25	IPS		PS	3	80	3153010030WA-PS	\$ 46.90
		1.32	34	SS			3153010030IW-PS	\$ 69.90
				PS	6	150	3153010060WA-PS	\$ 94.40
				SS			3153010060IW-PS	\$ 120.80
				PS	9	230	3153010090WA-PS	\$ 188.90
				SS			3153010090IW-PS	\$ 241.50
				PS	12	300	3153010120WA-PS	\$ 241.70
		SS	3153010120IW-PS	\$ 309.50				
1	25	CTS		PS	3	80	3153010030WT-PS	\$ 46.90
		1.13	29	SS			3153010030IWT-PS	\$ 69.90
				PS	6	150	3153010060WT-PS	\$ 94.40
				SS			3153010060IWT-PS	\$ 120.80
				PS	9	230	3153010090WT-PS	\$ 188.90
				SS			3153010090IWT-PS	\$ 241.50
				PS	12	300	3153010120WT-PS	\$ 241.70
		SS	3153010120IWT-PS	\$ 309.50				
1 1/4	32	IPS		PS	3	80	3153012030WA-PS	\$ 47.80
		1.66	42	SS			3153012030IW-PS	\$ 70.70
				PS	6	150	3153012060WA-PS	\$ 95.60
				SS			3153012060IW-PS	\$ 122.00
				PS	9	230	3153012090WA-PS	\$ 191.80
				SS			3153012090IW-PS	\$ 244.50
				PS	12	300	3153012120WA-PS	\$ 245.50
		SS	3153012120IW-PS	\$ 313.30				

3153PS-W SMALL DIAMETER COMPLETE CIRCLE

Nominal Pipe Size		Pipe OD Range		BOLTS	Width		Part Number	Price List
Custom Sizes and Ranges Available					Inches	MM		
Inches	MM	Inches	MM					
1 1/4	32	CTS						
		1.38	35	PS	3	80	3153012030WT-PS	\$ 47.80
				SS			3153012030IWT-PS	\$ 70.70
				PS	6	150	3153012060WT-PS	\$ 95.60
				SS			3153012060IWT-PS	\$ 122.00
				PS	9	230	3153012090WT-PS	\$ 191.80
				SS			3153012090IWT-PS	\$ 244.50
				PS	12	300	3153012120WT-PS	\$ 245.50
				SS			3153012120IWT-PS	\$ 313.30
1 1/2	40	IPS						
		1.90	48	PS	3	80	3153015030WA-PS	\$ 49.40
				SS			3153015030IW-PS	\$ 72.50
				PS	6	150	3153015060WA-PS	\$ 97.40
				SS			3153015060IW-PS	\$ 123.60
				PS	9	230	3153015090WA-PS	\$ 194.90
				SS			3153015090IW-PS	\$ 247.30
				PS	12	300	3153015120WA-PS	\$ 249.80
				SS			3153015120IW-PS	\$ 315.90
1 1/2	40	CTS						
		1.63	41	PS	3	80	3153015030WT-PS	\$ 49.40
				SS			3153015030IWT-PS	\$ 72.50
				PS	6	150	3153015060WT-PS	\$ 97.40
				SS			3153015060IWT-PS	\$ 123.60
				PS	9	230	3153015090WT-PS	\$ 194.90
				SS			3153015090IWT-PS	\$ 247.30
				PS	12	300	3153015120WT-PS	\$ 249.80
				SS			3153015120IWT-PS	\$ 315.90

3153PS-W SMALL DIAMETER COMPLETE CIRCLE

Nominal Pipe Size		Pipe OD Range		BOLTS	Width		Part Number	Price List
Custom Sizes and Ranges Available					Inches	MM		
Inches	MM	Inches	MM					
2	50	IPS		PS	3	80	3153020030WA-PS	\$ 53.80
		2.38	60	SS			3153020030IW-PS	\$ 77.60
				PS	6	150	3153020060WA-PS	\$ 100.00
				SS			3153020060IW-PS	\$ 126.60
				PS	9	230	3153020090WA-PS	\$ 199.90
				SS			3153020090IW-PS	\$ 253.10
				PS	12	300	3153020120WA-PS	\$ 256.30
				SS			3153020120IW-PS	\$ 323.50
2	50	CTS		PS	3	80	3153020030WT-PS	\$ 52.80
		2.13	54	SS			3153020030IWT-PS	\$ 98.50
				PS	6	150	3153020060WT-PS	\$ 75.20
				SS			3153020060IWT-PS	\$ 124.80
				PS	9	230	3153020090WT-PS	\$ 96.50
				SS			3153020090IWT-PS	\$ 160.00
				PS	12	300	3153020120WT-PS	\$ 124.70
				SS			3153020120IWT-PS	\$ 205.00

PS = Plated Steel Bolts SS = Stainless Steel Bolts

HOW TO ORDER: Specify Model Number, Pipe Size with OD, Width and Type of Bolt. EXAMPLE: 2" Copper O.D. 2.13 with 6" wide and Plated Steel Bolts. Order 3153PS-W - 2.13 x 6PS. **Part Number:** 3153020060WT-PS .

3202 / 3202LB SPLIT SLEEVE REPAIR CLAMP**BODY CASTING:** Ductile Iron per ASTM A536.**GASKET:** SBR per ASTM D2000.**BOLTS & NUTS:** Low Alloy Steel per ASTM A325 AND ASTM A563.**FINISH:** Epoxy.

3202									
Nominal Pipe Size		Pipe OD Range		Approx Weight		Part Number	List Price		
Inches	MM	Inches	MM	lbs.	kgs.				
6	150	6.84 - 6.96	174-177	34	15	320206000000	Standard	\$ 444.90	
						32020600000C	Tapped	\$ 541.90	
3202 LB									
6	150	6.84 - 6.96	174-177	75	34	320206LB0000	Standard	\$ 988.60	
						320206LB000C	Tapped	\$ 1,085.60	
3202									
8	200	8.99-9.11	228-231	44	20	320208000000	Standard	\$ 549.60	
						32020800000C	Tapped	\$ 646.30	
3202 LB									
8	200	8.99-9.11	228-231	90	41	320208LB0000	Standard	\$ 1,221.10	
						320208LB000C	Tapped	\$ 1,318.10	

The Standard unit is also available with a 3/4" NPT / CC Tapped Outlet and Plug for venting purposes.

HOW TO ORDER: Specify Model Number, and Pipe Size. EXAMPLE: 6" Standard Split Sleeve Repair Clamp.
Order 3202-6" **Part Number:** 320206000000.

MORE INFORMATION: The Split Sleeve Repair Clamp has been reintroduced (formerly the Clow Model F1202) for those customers who need a rugged heavy duty repair sleeve for Ductile and Cast Iron pipe. This ductile iron bodied fitting is strong enough to realign offset and deflected pipe that has a circumferential break.

3232 BELL JOINT LEAK CLAMP

(FOR CAULKED & PUSH-ON CAST IRON AND DUCTILE IRON PIPE JOINTS)

CASTINGS: Ductile Iron per ASTM A536.

GASKET: NBR produced from 100% new rubber to ensure performance under varying pressures with superior storage characteristics. Suitable for oil, mild acids, water, salt media and most aliphatic hydrocarbon fluids with a temperature range of -25°F to +248°F.

BOLTS & NUTS: Low Alloy Steel per ASTM A325 and ASTM A563. Optional Stainless Steel available.

FINISH: Epoxy.



3232

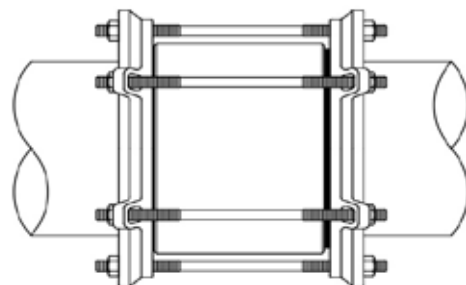
Nominal Pipe Size		Pipe OD Range		Approx Weight		Part Number	List Price	Part Number SS BOLTS	List Price
Inches	MM	Inches	MM	lbs.	kgs.				
3	80	3.80-3.96	97-101	23	10	3232030000HA	\$ 253.90	323203SS00HA	\$ 339.00
4	100	4.80-5.00	122-127	25	11	3232040000HA	\$ 261.40	323204SS00HA	\$ 347.00
6	150	6.90-7.10	175-180	32	15	3232060000HA	\$ 287.90	323206SS00HA	\$ 373.00
8	200	9.05-9.30	230-236	37	17	3232080000HA	\$ 397.90	323208SS00HA	\$ 530.00
10	250	11.10-11.40	282-290	45	20	3232100000HA	\$ 499.90	323210SS00HA	\$ 631.00
12	300	13.20-13.50	335-343	69	31	3232120000HA	\$ 540.70	323212SS00HA	\$ 660.30
14	350	15.30-15.65	385-393	85	38	3232140000HA	\$ 692.50	323214SS00HA	\$ 884.60
16	400	17.40-17.80	442-452	103	47	3232160000HA	\$ 844.40	323216SS00HA	\$ 1,108.80
18	450	19.50-19.92	492-502	115	52	3232180000HA	\$ 1,173.30	323218SS00HA	\$ 1,436.90
20	500	21.60-22.06	549-560	138	63	3232200000HA	\$ 1,362.60	323220SS00HA	\$ 1,625.70
24	600	25.80-26.32	655-669	157	71	3232240000HA	\$ 1,551.80	323224SS00HA	\$ 1,814.50
30*	750	31.74-32.00	806-813	199	90	3232300000HA	\$ 2,736.80	323230SS00HA	\$ 3,580.10
36**	900	37.96-38.70	964-982	300	137	3232360000HA	\$ 3,298.30	323236SS00HA	\$ 4,131.70
48**	1200	50.50-51.98	1282-1320	CONSULT FACTORY		3232480000HA	POA	323248SS00HA	POA

*Please advise factory at time of ordering when to be used on PVC pipe.

**Fabricated in Carbon Steel

HOW TO ORDER: Specify Model Number, and Pipe Size. EXAMPLE: 24" Bell Joint for DI/CI Pipe. Order 3232-

24. **Part Number:** 3232240000HA .

3233 A/C COUPLING LEAK REPAIR CLAMP**FOR CLASS 150 PIPE****CASTINGS:** Ductile Iron per ASTM A536.**GASKET:** NBR produced from 100% new rubber to ensure performance under varying pressures with superior storage characteristics. Suitable for oil, mild acids, water, salt media and most aliphatic hydrocarbon fluids with a temperature range of -25°F to +248°F.**BOLTS & NUTS:** Low alloy Steel per ASTM A325 and ASTM A563.**FINISH:** Epoxy.

3233								
Nominal Pipe Size		Pipe OD Range		Approx Weight		Part Number	List Price	
Inches	MM	Inches	MM	lbs.	kgs.		A/C Coupling	Additional Gasket
4	100	5.07-5.20	129-132	25	11	3233040000HA	\$293.30	\$42.80
6	150	7.17-7.35	182-187	32	15	3233060000HA	\$337.00	\$53.20
8	200	9.37-9.50	238-241	37	17	3233080000HA	\$437.80	\$66.40

Gaskets	Part Number	List Price
4	V3233041	\$42.80
6	V3233061	\$53.20
8	V3233081	\$66.40

NOTE: This repair clamp is furnished with one gasket. If both ends of the A/C Coupling are leaking order one additional gasket.

HOW TO ORDER: Specify Model Number, and Pipe Size.

EXAMPLE: 8" 3233 A/C Coupling Leak Repair Clamp . Order 3233-8. **Part Number:** 3233080000HA .



PowerSeal

PIPELINE PRODUCTS CORPORATION



Saddles
January 2015

3401 BRONZE SADDLE FOR IPS PVC

BODY CASTINGS: Waterworks Bronze (85-5-5-5) per ASTM B584 and AWWA C800.

FASTENERS: Silicon Bronze per ASTM B98.

GASKET: NBR per ASTM D2000; Patented TwinSeal® dual o-ring design incorporating both hydrostatic and mechanical forces to affect a dynamic seal, with a temperature range of -25°F to +248°F.



Nominal Pipe Size		Pipe OD Range		Box Qty	Outlet Size	Part Number	List Price
Inches	MM	Inches	MM				
1 1/4	32	1.66	42	25	3/4 CC	3401012075HB	\$ 42.00
					3/4 NPT	3401012075HC	
1 1/2	40	1.90	48	25	3/4 CC	3401015075HB	\$ 42.00
					3/4 NPT	3401015075HC	
2	50	2.38	60	20	3/4 CC	3401020075HB	\$ 42.00
					3/4 NPT	3401020075HC	
					1 CC	3401020100HD	
					1 NPT	3401020100HE	
2 1/2	65	2.88	73	12	3/4 CC	3401025075HB	\$ 48.80
					3/4 NPT	3401025075HC	
					1 CC	3401025100HD	
					1 NPT	3401025100HE	
3	80	3.50	84	10	3/4 CC	3401030075HB	\$ 48.80
					3/4 NPT	3401030075HC	
					1 CC	3401030100HD	
					1 NPT	3401030100HE	
					1 1/4 CC	3401030125HF	\$ 96.80
					1 1/4 NPT	3401030125HG	
					1 1/2 CC	3401030150HH	
					1 1/2 NPT	3401030150HI	
					2 CC	3401030200HJ	
					2 NPT	3401030200HK	
3 1/2	90	4.00	101	10	3/4 CC	3401035075HB	\$ 53.20
					3/4 NPT	3401035075HC	
					1 CC	3401035100HD	
					1 NPT	3401035100HE	
4	100	4.50	114	8	3/4 CC	3401040075HB	\$ 57.50
					3/4 NPT	3401040075HC	
					1 CC	3401040100HD	
					1 NPT	3401040100HE	
					1 1/4 CC	3401040125HF	\$ 123.70
					1 1/4 NPT	3401040125HG	
					1 1/2 CC	3401040150HH	
					1 1/2 NPT	3401040150HI	
					2 CC	3401040200HJ	
					2 NPT	3401040200HK	

3401 BRONZE SADDLE FOR IPS PVC

Nominal Pipe Size		Pipe OD Range		Box Qty	Outlet Size	Part Number	List Price
Inches	MM	Inches	MM				
5	125	5.56	141	8	3/4 CC	3401050075HB	\$ 71.60
					3/4 NPT	3401050075HC	
					1 CC	3401050100HD	
					1 NPT	3401050100HE	
6	150	6.63	168	8	3/4 CC	3401060075HB	\$ 80.70
					3/4 NPT	3401060075HC	
					1 CC	3401060100HD	
					1 NPT	3401060100HE	
					1 1/4 CC	3401060125HF	\$ 152.20
					1 1/4 NPT	3401060125HG	
					1 1/2 CC	3401060150HH	
					1 1/2 NPT	3401060150HI	
8	200	8.63	219	6	2 CC	3401060200HJ	\$ 110.80
					2 NPT	3401060200HK	
					3/4 CC	3401080075HB	\$ 156.90
					3/4 NPT	3401080075HC	
					1 CC	3401080100HD	
					1 NPT	3401080100HE	
					1 1/4 CC	3401080125HF	\$ 213.80
					1 1/4 NPT	3401080125HG	
10	250	10.75	273	6	1 1/2 CC	3401080150HH	\$ 305.00
					1 1/2 NPT	3401080150HI	
					2 CC	3401080200HJ	\$ 284.50
					2 NPT	3401080200HK	
					3/4 CC	3401100075HB	\$ 328.60
					3/4 NPT	3401100075HC	
					1 CC	3401100100HD	
					1 NPT	3401100100HE	
12	300	12.75	324	3	1 1/4 CC	3401100125HF	\$ 213.80
					1 1/4 NPT	3401100125HG	
					1 1/2 CC	3401100150HH	\$ 305.00
					1 1/2 NPT	3401100150HI	
					2 CC	3401100200HJ	\$ 284.50
					2 NPT	3401100200HK	
					3/4 CC	3401120075HB	\$ 328.60
					3/4 NPT	3401120075HC	
					1 CC	3401120100HD	\$ 284.50
					1 NPT	3401120100HE	
					1 1/4 CC	3401120125HF	\$ 328.60
					1 1/4 NPT	3401120125HG	
					1 1/2 CC	3401120150HH	\$ 328.60
					1 1/2 NPT	3401120150HI	
					2 CC	3401120200HJ	
					2 NPT	3401120200HK	

HOW TO ORDER: Choose nominal pipe size x outlet size and thread configuration. **EXAMPLE:** 4" PVC O.D. 4.50 with 3/4 CC outlet. Order 3401 - 4 x 3/4 CC. **Part Number:** 3401040075HB .Note: Saddles 3401, 3402, 3403, must be ordered in box quantities.

3402 BRONZE SADDLE FOR COPPER TUBING



BODY CASTINGS: Waterworks Bronze (85-5-5-5) per ASTM B584 and AWWA C800.

FASTENERS: Silicon Bronze per ASTM B98.

GASKET: NBR per ASTM D2000; Patented TwinSeal® dual o-ring design incorporating both hydrostatic and mechanical forces to affect a dynamic seal, with a temperature range of -25°F to +248°F.

Nominal Pipe Size		Pipe OD Range		Box Qty	Outlet Size	Part Number	List Price
Inches	MM	Inches	MM				
2	50	2.13	60	20	3/4 CC	3402020075HB	\$ 52.80
					3/4 NPT	3402020075HC	
					1 CC	3402020100HD	
					1 NPT	3402020100HE	
2 1/2	65	2.63	73	12	3/4 CC	3402025075HB	\$ 58.00
					3/4 NPT	3402025075HC	
					1 CC	3402025100HD	
					1 NPT	3402025100HE	
3	80	3.13	84	10	3/4 CC	3402030075HB	\$ 61.30
					3/4 NPT	3402030075HC	
					1 CC	3402030100HD	
					1 NPT	3402030100HE	

HOW TO ORDER: Choose nominal pipe size x outlet size and thread configuration. EXAMPLE: 3" CTS OD with 3/4 CC Outlet. Order 3402 - 3 x 3/4 CC. **Part Number:** 3402030075HB .

Note: Saddles 3401, 3402, 3403, must be ordered in box quantities.



COATING OPTION: Anti-Seizing/Galling protection. Available for both Alloy and SST application. Inquire with sales for cost and availability

3403 BRONZE SADDLE FOR C900

*DR25 (CL 100) and DR18 (CL 150)

BODY CASTINGS: Waterworks Bronze (85-5-5-5) per ASTM B584 and AWWA C800.

FASTENERS: Silicon Bronze per ASTM B98.

GASKET: NBR per ASTM D2000; Patented TwinSeal® dual o-ring design incorporating both hydrostatic and mechanical forces to affect a dynamic seal, with a temperature range of -25°F to +248°F.

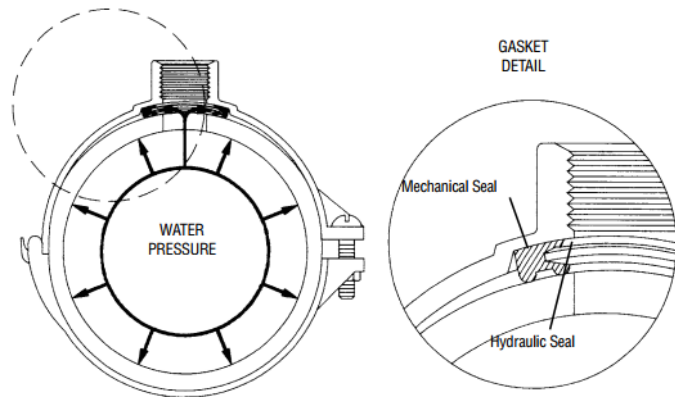


Nominal Pipe Size		Pipe OD Range		Box Qty	Outlet Size	Part Number	List Price
Inches	MM	Inches	MM				
4	100	4.80	122	8	3/4 CC	3403040075HB	\$ 50.20
					3/4 NPT	3403040075HC	
					1 CC	3403040100HD	
					1 NPT	3403040100HE	
					1 1/4 CC	3403040125HF	\$ 125.50
					1 1/4 NPT	3403040125HG	
					1 1/2 CC	3403040150HH	
					1 1/2 NPT	3403040150HI	
					2 CC	3403040200HJ	
					2 NPT	3403040200HK	
6	150	6.90	175	6	3/4 CC	3403060075HB	\$ 68.60
					3/4 NPT	3403060075HC	
					1 CC	3403060100HD	
					1 NPT	3403060100HE	
					1 1/4 CC	3403060125HF	\$ 129.40
					1 1/4 NPT	3403060125HG	
					1 1/2 CC	3403060150HH	
					1 1/2 NPT	3403060150HI	
					2 CC	3403060200HJ	
					2 NPT	3403060200HK	
8	200	9.05	230	5	3/4 CC	3403080075HB	\$ 95.90
					3/4 NPT	3403080075HC	
					1 CC	3403080100HD	
					1 NPT	3403080100HE	
					1 1/4 CC	3403080125HF	\$ 147.70
					1 1/4 NPT	3403080125HG	
					1 1/2 CC	3403080150HH	
					1 1/2 NPT	3403080150HI	
					2 CC	3403080200HJ	
					2 NPT	3403080200HK	

3403 BRONZE SADDLE FOR C900

Nominal Pipe Size		Pipe OD Range		Box Qty	Outlet Size	Part Number	List Price
Inches	MM	Inches	MM				
10	250	11.10	282	3	3/4 CC	3403100075HB	\$ 275.30
					3/4 NPT	3403100075HC	
					1 CC	3403100100HD	
					1 NPT	3403100100HE	
					1 1/4 CC	3403100125HF	\$ 307.00
					1 1/4 NPT	3403100125HG	
					1 1/2 CC	3403100150HH	
					1 1/2 NPT	3403100150HI	
					2 CC	3403100200HJ	
					2 NPT	3403100200HK	
12	300	13.20	335	2	3/4 CC	3403120075HB	\$ 304.70
					3/4 NPT	3403120075HC	
					1 CC	3403120100HD	
					1 NPT	3403120100HE	
					1 1/4 CC	3403120125HF	\$ 350.00
					1 1/4 NPT	3403120125HG	
					1 1/2 CC	3403120150HH	
					1 1/2 NPT	3403120150HI	
					2 CC	3403120200HJ	
					2 NPT	3403120200HK	

PowerSeal's patented dual o-ring TwinSeal® gasket incorporates both hydrostatic and mechanical forces to affect a positive seal on all pipe surfaces. As the distribution system's pressure increases, the tightness of the seal is equally increased. This unique design compensates for expansion and contraction due to pressure or temperature variances in water mains and service lines.



HOW TO ORDER: Choose nominal pipe size x outlet size and thread configuration. **EXAMPLE:** 4" C900 O.D. 4.80 with 3/4 CC outlet. Order 3403 - 4 x 3/4 CC. **Part Number:** 3403040075HB .

Note: Saddles 3401, 3402, 3403, must be ordered in box quantities.

3407 BRONZE SADDLE FOR ASBESTOS-CEMENT, CAST IRON AND C900 PVC

BODY CASTINGS: Waterworks Bronze (85-5-5-5) per ASTM B584 and AWWA C800.

FASTENERS: Silicon Bronze per ASTM B98.

GASKET: NBR per ASTM D2000; Patented TwinSeal® dual o-ring design incorporating both hydrostatic and mechanical forces to affect a dynamic seal, with a temperature range of -25°F to +248°F.



Nominal Pipe Size		Pipe OD Range		Box Qty	Box Qty	Part Number	List Price
Inches	MM	Inches	MM				
4	100	4.80 - 5.45	122 - 140	8	3/4 CC	3407040075HB	\$ 168.90
					3/4 NPT	3407040075HC	
					1 CC	3407040100HD	
					1 NPT	3407040100HE	
					1 1/4 CC	3407040125HF	\$ 184.70
					1 1/4 NPT	3407040125HG	
					1 1/2 CC	3407040150HH	
					1 1/2 NPT	3407040150HI	
					2 CC	3407040200HJ	
					2 NPT	3407040200HK	
6	150	6.85 - 7.45	175 - 190	5	3/4 CC	3407060075HB	\$ 196.40
					3/4 NPT	3407060075HC	
					1 CC	3407060100HD	
					1 NPT	3407060100HE	
					1 1/4 CC	3407060125HF	\$ 217.00
					1 1/4 NPT	3407060125HG	
					1 1/2 CC	3407060150HH	
					1 1/2 NPT	3407060150HI	
					2 CC	3407060200HJ	
					2 NPT	3407060200HK	
8	200	9.05 - 9.65	230 - 245	3	3/4 CC	3407080075HB	\$ 205.70
					3/4 NPT	3407080075HC	
					1 CC	3407080100HD	
					1 NPT	3407080100HE	
					1 1/4 CC	3407080125HF	\$ 243.00
					1 1/4 NPT	3407080125HG	
					1 1/2 CC	3407080150HH	
					1 1/2 NPT	3407080150HI	
					2 CC	3407080200HJ	
					2 NPT	3407080200HK	

3407 BRONZE SADDLE FOR ASBESTOS-CEMENT, CAST IRON AND C900 PVC

Nominal Pipe Size		Pipe OD Range		Box Qty	Box Qty	Part Number	List Price
Inches	MM	Inches	MM				
10	250	11.05 - 12.05	282 - 307	2	3/4 CC	3407100075HB	\$ 264.60
					3/4 NPT	3407100075HC	
					1 CC	3407100100HD	
					1 NPT	3407100100HE	
					1 1/4 CC	3407100125HF	\$ 311.00
					1 1/4 NPT	3407100125HG	
					1 1/2 CC	3407100150HH	
					1 1/2 NPT	3407100150HI	
					2 CC	3407100200HJ	
					2 NPT	3407100200HK	
12	300	13.20 - 14.20	335 - 360	2	3/4 CC	3407120075HB	\$ 309.30
					3/4 NPT	3407120075HC	
					1 CC	3407120100HD	
					1 NPT	3407120100HE	
					1 1/4 CC	3407120125HF	\$ 354.60
					1 1/4 NPT	3407120125HG	
					1 1/2 CC	3407120150HH	
					1 1/2 NPT	3407120150HI	
					2 CC	3407120200HJ	
					2 NPT	3407120200HK	
16	400	17.40 - 18.40	442 - 467	1	3/4 CC	3407160075HB	\$ 756.00
					3/4 NPT	3407160075HC	
					1 CC	3407160100HD	
					1 NPT	3407160100HE	
					1 1/4 CC	3407160125HF	\$ 882.60
					1 1/4 NPT	3407160125HG	
					1 1/2 CC	3407160150HH	
					1 1/2 NPT	3407160150HI	
					2 CC	3407160200HJ	
					2 NPT	3407160200HK	

HOW TO ORDER: Choose nominal pipe size x outlet size and thread configuration. EXAMPLE: 4" C900 O.D. 4.80 with 3/4 CC outlet. Order 3407 - 4 x 3/4 CC. **Part Number:** 3407040075HB .



COATING OPTION: Anti-Seizing/Galling protection. Available for both Alloy and SST application. Inquire with sales for cost and availability

3409 BRONZE SADDLE WITH STAINLESS STEEL STRAPS FOR ASBESTOS CEMENT, CAST IRON AND C900 PVC

BODY CASTING: Waterworks Bronze (85-5-5-5) per ASTM B584 and AWWA C800.

STRAPS: Type 304 (18-8) Stainless Steel per ASTM A240.

STUD BOLTS: Type 304 (18-8) Stainless Steel per ASTM A193.

NUTS: Type 304 (18-8) Stainless Steel per ASTM A193 and A194. **NOTE:** Hex nuts are furnished with fusion bonded coating to prevent seizing and/or galling.

GASKET: NBR per ASTM D2000; Patented TwinSeal® dual o-ring design incorporating both hydrostatic and mechanical forces to affect a dynamic seal, with a temperature range of -25°F to +248°F.



Nominal Pipe Size		Pipe OD Range		Outlet Size	Part Number	List Price
Inches	MM	Inches	MM			
4	100	4.80 - 5.45	122 - 140	3/4 CC	3409040075HB	\$ 128.60
				3/4 NPT	3409040075HC	
				1 CC	3409040100HD	
				1 NPT	3409040100HE	
				1 1/4 CC	3409040125HF	\$ 185.90
				1 1/4 NPT	3409040125HG	
				1 1/2 CC	3409040150HH	
				1 1/2 NPT	3409040150HI	
				2 CC	3409040200HJ	
				2 NPT	3409040200HK	
6	150	6.85 - 7.45	175 - 190	3/4 CC	3409060075HB	\$ 154.10
				3/4 NPT	3409060075HC	
				1 CC	3409060100HD	
				1 NPT	3409060100HE	
				1 1/4 CC	3409060125HF	\$ 221.40
				1 1/4 NPT	3409060125HG	
				1 1/2 CC	3409060150HH	
				1 1/2 NPT	3409060150HI	
				2 CC	3409060200HJ	
				2 NPT	3409060200HK	
8	200	9.05 - 9.65	230 - 245	3/4 CC	3409080075HB	\$ 195.30
				3/4 NPT	3409080075HC	
				1 CC	3409080100HD	
				1 NPT	3409080100HE	
				1 1/4 CC	3409080125HF	\$ 256.90
				1 1/4 NPT	3409080125HG	
				1 1/2 CC	3409080150HH	
				1 1/2 NPT	3409080150HI	
				2 CC	3409080200HJ	
				2 NPT	3409080200HK	

3409 BRONZE SADDLE WITH STAINLESS STEEL STRAPS FOR ASBESTOS CEMENT, CAST IRON AND C900 PVC

Nominal Pipe Size		Pipe OD Range		Outlet Size	Part Number	List Price
Inches	MM	Inches	MM			
10	250	11.05 - 12.05	282 - 307	3/4 CC	3409100075HB	\$ 322.00
				3/4 NPT	3409100075HC	
				1 CC	3409100100HD	
				1 NPT	3409100100HE	
				1 1/4 CC	3409100125HF	\$ 337.00
				1 1/4 NPT	3409100125HG	
				1 1/2 CC	3409100150HH	
				1 1/2 NPT	3409100150HI	
				2 CC	3409100200HJ	
				2 NPT	3409100200HK	
12	300	13.20 - 14.20	335 - 360	3/4 CC	3409120075HB	\$ 337.00
				3/4 NPT	3409120075HC	
				1 CC	3409120100HD	
				1 NPT	3409120100HE	
				1 1/4 CC	3409120125HF	\$ 350.10
				1 1/4 NPT	3409120125HG	
				1 1/2 CC	3409120150HH	
				1 1/2 NPT	3409120150HI	
				2 CC	3409120200HJ	
				2 NPT	3409120200HK	
16	400	17.40 - 18.40	442 - 467	3/4 CC	3409120075HB	\$ 584.00
				3/4 NPT	3409160075HC	
				1 CC	3409160075HD	
				1 NPT	3409160100HE	
				1 1/4 CC	3409160125HF	\$ 615.00
				1 1/4 NPT	3409160125HG	
				1 1/2 CC	3409160150HH	
				1 1/2 NPT	3409160150HI	
				2 CC	3409160200HJ	
				2 NPT	3409160200HK	

HOW TO ORDER: Choose nominal pipe size x outlet size and thread configuration. EXAMPLE: 4" C900 O.D. 4.80 with 3/4 CC outlet. Order 3409 - 4 x 3/4 CC. **Part Number:** 3409040075HB.



COATING OPTION: Anti-Seizing/Galling protection. Available for both Alloy and SST application. Inquire with sales for cost and availability

3411AS ALL STAINLESS SADDLE - SINGLE STUD BOLT DESIGN

PANEL & LIFTER BAR: Type 304 (18-8) Stainless Steel per ASTM A240.

BOLTS & NUTS: Type 304 (18-8) Stainless Steel per ASTM A193 and A194. **NOTE:** Hex nuts are furnished with fusion bonded coating to prevent seizing and/or galling.

WASHERS: Delrin per ASTM D6778.

LUGS: Type 304 (18-8) Stainless Steel per ASTM A240.

OUTLET: Type 304 (18-8) Stainless Steel per ASTM A276.

GASKET: NBR per ASTM D2000; Mat gasket with patented TwinSeal® dual o-ring design incorporating both hydrostatic and mechanical forces to affect a dynamic seal, with a temperature range of -25°F to +248°F.



Nominal Pipe Size		Pipe OD Range		Width		Outlet Size	Part Number	List Price
Inches	MM	Inches	MM	Inches	MM			
3	80	3.48 - 3.52	88 - 90	4	100	3/4 CC	3411030075TB	\$ 84.00
						3/4 NPT	3411030075TC	
						1 CC	3411030100TD	
						1 NPT	3411030100TE	
3 1/2	90	3.98 - 4.02	101 - 102	4	100	3/4 CC	3411035075TB	\$ 91.10
						3/4 NPT	3411035075TC	
						1 CC	3411035100TD	
						1 NPT	3411035100TE	
4	100	4.50 - 4.80	114 - 122	4	100	3/4 CC	3411040075TB	\$ 98.30
						3/4 NPT	3411040075TC	
						1 CC	3411040100TD	
						1 NPT	3411040100TE	
5	125	5.54 - 5.84	141 - 148	4	100	3/4 CC	3411050075TB	\$ 99.50
						3/4 NPT	3411050075TC	
						1 CC	3411050100TD	
						1 NPT	3411050100TE	
6	150	6.63 - 6.90	168 - 175	4	100	3/4 CC	3411060075TB	\$ 135.40
						3/4 NPT	3411060075TC	
						1 CC	3411060100TD	
						1 NPT	3411060100TE	
8	200	8.63 - 9.05	219 - 230	4	100	3/4 CC	3411080075TB	\$ 137.10
						3/4 NPT	3411080075TC	
						1 CC	3411080100TD	
						1 NPT	3411080100TE	

Custom sizes and ranges available

HOW TO ORDER: Choose nominal pipe size x outlet size and thread configuration. EXAMPLE: 4" C900 O.D. 4.80 with 3/4 CC outlet. Order 3411AS - 4 x 3/4 CC. **Part Number:** 3411040075TB .

3412AS ALL STAINLESS SADDLE - DOUBLE STUD BOLT DESIGN

PANEL & LIFTER BAR: Type 304 (18-8) Stainless Steel per ASTM A240.

BOLTS & NUTS: Type 304 (18-8) Stainless Steel per ASTM A193 and A194. NOTE: Hex nuts are furnished with fusion bonded coating to prevent seizing and/or galling.

WASHERS: Delrin per ASTM D6778.

LUGS: Type 304 (18-8) Stainless Steel per ASTM A240.

OUTLET: Type 304 (18-8) Stainless Steel per ASTM A276.

GASKET: NBR per ASTM D2000; Mat gasket with patented TwinSeal® dual o-ring design incorporating both hydrostatic and mechanical forces to affect a dynamic seal, with a temperature range of -25°F to +248°F.



Nominal Pipe Size		Pipe OD Range		Width		Outlet Size	Part Number	List Price
Inches	MM	Inches	MM	Inches	MM			
3	80	3.48 - 3.52	88 - 90	6	150	3/4 CC	3412030075TB	\$ 87.00
						3/4 NPT	3412030075TC	
						1 CC	3412030100TD	
						1 NPT	3412030100TE	
						1 1/4 CC	3412030125TF	\$ 188.60
						1 1/4 NPT	3412030125TG	
						1 1/2 CC	3412030150TH	
						1 1/2 NPT	3412030150TI	
						2 CC	3412030200TJ	
						2 NPT	3412030200TK	
3 1/2	90	3.98 - 4.02	101 - 102	6	150	3/4 CC	3412035075TB	\$ 95.90
						3/4 NPT	3412035075TC	
						1 CC	3412035100TD	
						1 NPT	3412035100TE	
						1 1/4 CC	3412035125TF	\$ 191.50
						1 1/4 NPT	3412035125TG	
						1 1/2 CC	3412035150TH	
						1 1/2 NPT	3412035150TI	
						2 CC	3412035200TJ	
						2 NPT	3412035200TK	
4	100	4.50 - 4.80	114 - 122	6	150	3/4 CC	3412040075TB	\$ 99.90
						3/4 NPT	3412040075TC	
						1 CC	3412040100TD	
						1 NPT	3412040100TE	
						1 1/4 CC	3412040125TF	\$ 193.40
						1 1/4 NPT	3412040125TG	
						1 1/2 CC	3412040150TH	
						1 1/2 NPT	3412040150TI	
						2 CC	3412040200TJ	
						2 NPT	3412040200TK	

3412AS ALL STAINLESS SADDLE - DOUBLE STUD BOLT DESIGN

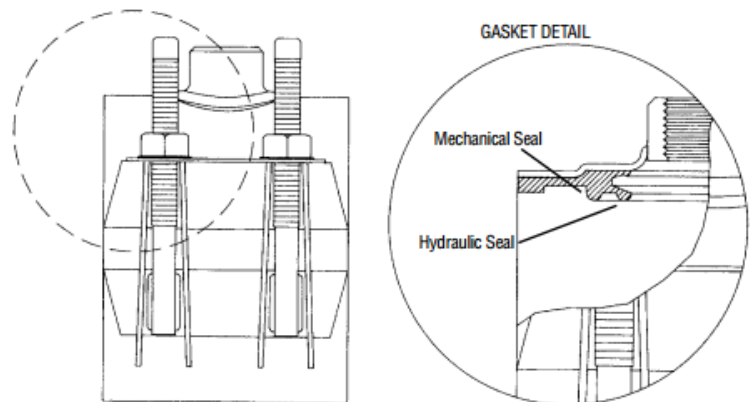
Nominal Pipe Size		Pipe OD Range		Width		Outlet Size	Part Number	List Price
Inches	MM	Inches	MM	Inches	MM			
5	125	5.54 - 5.84	141 - 148	6	150	3/4 CC	3412050075TB	\$ 102.00
						3/4 NPT	3412050075TC	
						1 CC	3412050100TD	
						1 NPT	3412050100TE	
						1 1/4 CC	3412050125TF	\$ 195.30
						1 1/4 NPT	3412050125TG	
						1 1/2 CC	3412050150TH	
						1 1/2 NPT	3412050150TI	
						2 CC	3412050200TJ	
						2 NPT	3412050200TK	
6	150	6.63 - 6.90	168 - 175	6	150	3/4 CC	3412060075TB	\$ 142.80
						3/4 NPT	3412060075TC	
						1 CC	3412060100TD	
						1 NPT	3412060100TE	
						1 1/4 CC	3412060125TF	\$ 201.00
						1 1/4 NPT	3412060125TG	
						1 1/2 CC	3412060150TH	
						1 1/2 NPT	3412060150TI	
						2 CC	3412060200TJ	
						2 NPT	3412060200TK	
8	200	8.63 - 9.05	219 - 230	6	150	3/4 CC	3412080075TB	\$ 144.90
						3/4 NPT	3412080075TC	
						1 CC	3412080100TD	
						1 NPT	3412080100TE	
						1 1/4 CC	3412080125TF	\$ 209.50
						1 1/4 NPT	3412080125TG	
						1 1/2 CC	3412080150TH	
						1 1/2 NPT	3412080150TI	
						2 CC	3412080200TJ	
						2 NPT	3412080200TK	
10	250	10.75 - 11.10	273 - 282	6	150	3/4 CC	3412100075TB	\$ 176.60
						3/4 NPT	3412100075TC	
						1 CC	3412100100TD	
						1 NPT	3412100100TE	
						1 1/4 CC	3412100125TF	\$ 220.90
						1 1/4 NPT	3412100125TG	
						1 1/2 CC	3412100150TH	
						1 1/2 NPT	3412100150TI	
						2 CC	3412100200TJ	
						2 NPT	3412100200TK	

3412AS ALL STAINLESS SADDLE - DOUBLE STUD BOLT DESIGN

Nominal Pipe Size		Pipe OD Range		Width		Outlet Size	Part Number	List Price
Inches	MM	Inches	MM	Inches	MM			
12	300	12.75 - 13.20	324 - 335	6	150	3/4 CC	3412120075TB	\$ 180.60
						3/4 NPT	3412120075TC	
						1 CC	3412120100TD	
						1 NPT	3412120100TE	
						1 1/4 CC	3412120125TF	\$ 233.80
						1 1/4 NPT	3412120125TI	
						1 1/2 CC	3412120150TH	
						1 1/2 NPT	3412120150TI	
						2 CC	3412120200TJ	
						2 NPT	3412120200TK	

HOW TO ORDER: Choose nominal pipe size x outlet size and thread configuration. EXAMPLE: 4" C900 O.D. 4.80 with 3/4 CC outlet. Order 3412AS - 4 x 3/4 CC. **Part Number:** 3412040075TB .

The patented dual o-ring TwinSeal® gasket incorporates both hydrostatic and mechanical forces to affect a positive seal on all pipe surfaces. As the distribution system's pressure increases, the tightness of the seal is equally increased. This unique design compensates for expansion and contraction due to pressure or temperature variances in water mains and service lines. The large area of gasket in contact with the pipe also serves to prevent saddle rotation while in service and the tapered ends provide a contoured fit to the pipe.



ALL STAINLESS SERVICE SADDLE TWINSEAL GASKET

3414AS ALL STAINLESS WIDE RANGE SADDLE

PANEL & LIFTER BAR: Type 304 (18-8) Stainless Steel per ASTM A240.

BOLTS & NUTS: Type 304 (18-8) Stainless Steel per ASTM A193 and A194. **NOTE:** Hex. nuts are furnished with fusion bonded coating to prevent seizing and/or galling.

WASHERS: Delrin per ASTM D6778.

LUGS: Type 304 (18-8) Stainless Steel per ASTM A240.

OUTLET: Type 304 (18-8) Stainless Steel per ASTM A276.

GASKET: NBR per ASTM D2000; Mat gasket with patented TwinSeal® dual o-ring design incorporating both hydrostatic and mechanical forces to affect a dynamic seal, with a temperature range of -25°F to +248°F.



Nominal Pipe Size		Pipe OD Range		Width		Outlet Size	Part Number	List Price
Inches	MM	Inches	MM	Inches	MM			
4	100	4.50 - 5.10	114 - 130	8	200	3/4 CC	3414040075TB	\$ 119.20
						3/4 NPT	3414040075TC	
						1 CC	3414040100TD	
						1 NPT	3414040100TE	
						1 1/4 CC	3414040125TF	\$ 228.70
						1 1/4 NPT	3414040125TG	
						1 1/2 CC	3414040150TH	
						1 1/2 NPT	3414040150TI	
						2 CC	3414040200TJ	
						2 NPT	3414040200TK	
5	125	5.54 - 6.14	141 - 156	8	200	3/4 CC	3414050075TB	\$ 160.60
						3/4 NPT	3414050075TC	
						1 CC	3414050100TD	
						1 NPT	3414050100TE	
						1 1/4 CC	3414050125TF	\$ 230.90
						1 1/4 NPT	3414040125TG	
						1 1/2 CC	3414050150TH	
						1 1/2 NPT	3414050150TI	
						2 CC	3414050200TJ	
						2 NPT	3414050200TK	
6	150	6.63 - 7.23	168 - 184	8	200	3/4 CC	3414060075TB	\$ 168.90
						3/4 NPT	3414060075TC	
						1 CC	3414060100TD	
						1 NPT	3414060100TE	
						1 1/4 CC	3414060125TF	\$ 237.60
						1 1/4 NPT	3414060125TG	
						1 1/2 CC	3414060150TH	
						1 1/2 NPT	3414060150TI	
						2 CC	3414060200TJ	
						2 NPT	3414060200TK	

3414AS ALL STAINLESS WIDE RANGE SADDLE

Nominal Pipe Size		Pipe OD Range		Width		Outlet Size	Part Number	List Price
Inches	MM	Inches	MM	Inches	MM			
8	200	8.63 - 9.83	219 - 250	8	200	3/4 CC	3414080075TB	\$ 171.30
						3/4 NPT	3414080075TC	
						1 CC	3414080100TD	
						1 NPT	3414080100TE	
						1 1/4 CC	3414080125TF	\$ 247.80
						1 1/4 NPT	3414080125TG	
						1 1/2 CC	3414080150TH	
						1 1/2 NPT	3414080150TI	
						2 CC	3414080200TJ	
						2 NPT	3414080200TK	
10	250	10.75 - 11.95	273 - 304	8	200	3/4 CC	3414100075TB	\$ 208.80
						3/4 NPT	3414100075TC	
						1 CC	3414100100TD	
						1 NPT	3414100100TE	
						1 1/4 CC	3414100125TF	\$ 261.20
						1 1/4 NPT	3414100125TG	
						1 1/2 CC	3414100150TH	
						1 1/2 NPT	3414100150TI	
						2 CC	3414100200TJ	
						2 NPT	3414100200TK	
12	300	12.75 - 13.95	324 - 354	8	200	3/4 CC	3414120075TB	\$ 213.50
						3/4 NPT	3414120075TC	
						1 CC	3414120100TD	
						1 NPT	3414120100TE	
						1 1/4 CC	3414120125TF	\$ 275.90
						1 1/4 NPT	3414120125TG	
						1 1/2 CC	3414120150TH	
						1 1/2 NPT	3414120150TI	
						2 CC	3414120200TJ	
						2 NPT	3414120200TK	

HOW TO ORDER: Choose nominal pipe size x outlet size and thread configuration. EXAMPLE: 4" C900 O.D. 4.80 with 3/4 CC outlet order 3414AS - 4 x 3/4 CC. **Part Number:** 3414040075TB .



COATING OPTION: Anti-Seizing/Galling protection. Available for both Alloy and SST application. Inquire with sales for cost and availability.

3416AS ALL STAINLESS SADDLE LARGER DIAMETERS

PANEL & LIFTER BAR: Type 304 (18-8) Stainless Steel per ASTM A240.

BOLTS & NUTS: Type 304 (18-8) Stainless Steel per ASTM A193 and A194. NOTE: Hex nuts are furnished with fusion bonded coating to prevent seizing and/or galling.

WASHERS: Delrin per ASTM D6778.

LUGS: Type 304 (18-8) Stainless Steel per ASTM A240.

OUTLET: Type 304 (18-8) Stainless Steel per ASTM A276.

GASKET: NBR per ASTM D2000; Mat gasket with patented TwinSeal® dual o-ring design incorporating both hydrostatic and mechanical forces to affect a dynamic seal, with a temperature range of -25°F to +248°F.



Nominal Pipe Size		Pipe OD Range		Width		Letter code	Outlet Size	Part Number	List Price
Inches	MM	Inches	MM	Inches	MM				
14	350	14.00 - 15.20	356 - 386	8	200	A	3/4 CC	341614A075TB	\$ 313.70
							3/4 NPT	341614A075TC	
							1 CC	341614A100TD	
							1 NPT	341614A100TE	
							1 1/4 CC	341614A125TF	\$ 360.80
							1 1/4 NPT	341614A125TG	
							1 1/2 CC	341614A150TH	
							1 1/2 NPT	341614A150TI	
							2 CC	341614A200TJ	
							2 NPT	341614A200TK	
		15.30 - 16.50	389 - 419	8	200	B	2 1/2 FIP	341614A250TL	\$ 720.00
							3 FIP	341614A300TP	
							3/4 CC	341614B075TB	\$ 364.90
							3/4 NPT	341614B075TC	
							1 CC	341614B100TD	
							1 NPT	341614B100TE	
							1 1/4 CC	341614B125TF	\$ 417.40
							1 1/4 NPT	341614B125TG	
							1 1/2 CC	341614B150TH	
							1 1/2 NPT	341614B150TI	
							2 CC	341614B200TJ	
							2 NPT	341614B200TK	
							2 1/2 FIP	341614B250TL	\$ 720.00
							3 FIP	341614B300TP	

3416AS ALL STAINLESS SADDLE LARGER DIAMETERS

Nominal Pipe Size		Pipe OD Range		Width		Letter code	Outlet Size	Part Number	List Price
Inches	MM	Inches	MM	Inches	MM				
16	400	16.60 - 17.80	422 - 452	8	200	A	3/4 CC	341616A075TB	\$ 364.90
							3/4 NPT	341616A075TC	
							1 CC	341616A100TD	
							1 NPT	341616A100TE	
							1 1/4 CC	341616A125TF	\$ 417.40
							1 1/4 NPT	341616A125TG	
							1 1/2 CC	341616A150TH	
							1 1/2 NPT	341616A150TI	
							2 CC	341616A200TJ	
							2 NPT	341616A200TK	
							2 1/2 FIP	341616A250TL	\$ 776.70
							3 FIP	341616A300TP	
18	450	18.00 - 19.20	457 - 488	8	200	A	3/4 CC	341618A075TB	\$ 409.70
							3/4 NPT	341618A075TC	
							1 CC	341618A100TD	
							1 NPT	341618A100TE	
							1 1/4 CC	341618A125TF	\$ 546.40
							1 1/4 NPT	341618A125TG	
							1 1/2 CC	341618A150TH	
							1 1/2 NPT	341618A150TI	
							2 CC	341618A200TJ	
							2 NPT	341618A200TK	
							2 1/2 FIP	341618A250TL	\$ 905.70
							3 FIP	341618A300TP	
		19.50-20.70	495-526	8	200	B	3/4 CC	341618B075TB	\$ 409.70
							3/4 NPT	341618B075TC	
							1 CC	341618B100TD	
							1 NPT	341618B100TE	
							1 1/4 CC	341618B125TF	\$ 546.40
							1 1/4 NPT	341618B125TG	
							1 1/2 CC	341618B150TH	
							1 1/2 NPT	341618B150TI	
							2 CC	341618B200TJ	
							2 NPT	341618B200TK	
							2 1/2 FIP	341618B250TL	\$ 905.70
							3 FIP	341618B300TP	

3416AS ALL STAINLESS SADDLE LARGER DIAMETERS

Nominal Pipe Size		Pipe OD Range		Width		Letter code	Outlet Size	Part Number	List Price
Inches	MM	Inches	MM	Inches	MM				
20	500	21.60 - 22.80	549 - 579	8	200	A	3/4 CC	341620A075TB	\$ 432.60
							3/4 NPT	341620A075TC	
							1 CC	341620A100TD	
							1 NPT	341620A100TE	
							1 1/4 CC	341620A125TF	\$ 569.10
							1 1/4 NPT	341620A125TG	
							1 1/2 CC	341620A150TH	
							1 1/2 NPT	341620A150TI	
							2 CC	341620A200TJ	
							2 NPT	341620A200TK	
							2 1/2 FIP	341620A250TL	\$ 912.50
							3 FIP	341620A300TP	
24	600	24.00 - 25.20	610 - 640	8	200	A	3/4 CC	341624A075TB	\$ 452.20
							3/4 NPT	341624A075TC	
							1 CC	341624A100TD	
							1 NPT	341624A100TE	
							1 1/4 CC	341624A125TF	\$ 594.80
							1 1/4 NPT	341624A125TG	
							1 1/2 CC	341624A150TH	
							1 1/2 NPT	341624A150TI	
							2 CC	341624A200TJ	
							2 NPT	341624A200TK	
							2 1/2 FIP	341624A250TL	\$ 953.70
							3 FIP	341624A300TP	
24	600	25.80 - 27.00	655 - 686	8	200	B	3/4 CC	341624B075TB	\$ 452.20
							3/4 NPT	341624B075TC	
							1 CC	341624B100TD	
							1 NPT	341624B100TE	
							1 1/4 CC	341624B125TF	\$ 594.80
							1 1/4 NPT	341624B125TG	
							1 1/2 CC	341624B150TH	
							1 1/2 NPT	341624B150TI	
							2 CC	341624B200TJ	
							2 NPT	341624B200TK	
							2 1/2 FIP	341624B250TL	\$ 953.70
							3 FIP	341624B300TP	

3416AS ALL STAINLESS SADDLE LARGER DIAMETERS

Nominal Pipe Size		Pipe OD Range		Width		Letter code	Outlet Size	Part Number	List Price
Inches	MM	Inches	MM	Inches	MM				
30	750	30.00 - 31.20	762 - 792	8	200	A	3/4 CC	341630A075TB	\$ 944.90
							3/4 NPT	341630A075TC	
							1 CC	341630A100TD	
							1 NPT	341630A100TE	
							1 1/4 CC	341630A125TF	\$ 1,213.90
							1 1/4 NPT	341630A125TG	
							1 1/2 CC	341630A150TH	
							1 1/2 NPT	341630A150TI	
		32.00 - 33.20	813 - 843	8	200	B	2 CC	341630A200TJ	\$ 1,735.00
							2 NPT	341630A200TK	
							2 1/2 FIP	341630A250TL	
							3 FIP	341630A300TP	
							3/4 CC	341630B075TB	\$ 944.90
							3/4 NPT	341630B075TC	
							1 CC	341630B100TD	
							1 NPT	341630B100TE	
		32.00 - 33.20	813 - 843	8	200	B	1 1/4 CC	341630B125TF	\$ 1,213.90
							1 1/4 NPT	341630B125TG	
							1 1/2 CC	341630B150TH	
							1 1/2 NPT	341630B150TI	
							2 CC	341630B200TJ	\$ 1,735.00
							2 NPT	341630B200TK	
							2 1/2 FIP	341630B250TL	
							3 FIP	341630B300TP	
36	900	36.00 - 37.20	914 - 945	8	200	A	3/4 CC	341636A075TB	\$ 1,049.70
							3/4 NPT	341636A075TC	
							1 CC	341636A100TD	
							1 NPT	341636A100TE	
							1 1/4 CC	341636A125TF	\$ 1,349.20
							1 1/4 NPT	341636A125TG	
							1 1/2 CC	341636A150TH	
							1 1/2 NPT	341636A150TI	
							2 CC	341636A200TJ	\$ 1,798.50
							2 NPT	341636A200TK	
							2 1/2 FIP	341636A250TL	
							3 FIP	341636A300TP	

3416AS ALL STAINLESS SADDLE LARGER DIAMETERS

Nominal Pipe Size		Pipe OD Range		Width		Letter code	Outlet Size	Part Number	List Price
Inches	MM	Inches	MM	Inches	MM				
36	900	37.90 - 39.10	963 - 993	8	200	B	3/4 CC	341636B075TB	\$ 1,049.70
							3/4 NPT	341636B075TC	
							1 CC	341636B100TD	
							1 NPT	341636B100TE	
							1 1/4 CC	341636B125TF	\$ 1,349.20
							1 1/4 NPT	341636B125TG	
							1 1/2 CC	341636B150TH	
							1 1/2 NPT	341636B150TI	
							2 CC	341636B200TJ	
							2 NPT	341636B200TK	
							2 1/2 FIP	341636B250TL	\$ 1,798.50
							3 FIP	341636B300TP	
36	900	39.10 - 40.30	993 - 1024	8	200	C	3/4 CC	341636C075TB	\$ 1,049.70
							3/4 NPT	341636C075TC	
							1 CC	341636C100TD	
							1 NPT	341636C100TE	
							1 1/4 CC	341636C125TF	\$ 1,349.20
							1 1/4 NPT	341636C125TG	
							1 1/2 CC	341636C150TH	
							1 1/2 NPT	341636C150TI	
							2 CC	341636C200TJ	
							2 NPT	341636C200TK	
							2 1/2 FIP	341636C250TL	\$ 1,798.50
							3 FIP	341636C300TP	
42	1100	42.00 - 43.20	1067 - 1097	8	200	A	3/4 CC	341642A075TB	\$ 1,238.00
							3/4 NPT	341642A075TC	
							1 CC	341642A100TD	
							1 NPT	341642A100TE	
							1 1/4 CC	341642A125TF	\$ 1,573.30
							1 1/4 NPT	341642A125TG	
							1 1/2 CC	341642A150TH	
							1 1/2 NPT	341642A150TI	
							2 CC	341642A200TJ	
							2 NPT	341642A200TK	
							2 1/2 FIP	341642A250TL	\$ 2,098.20
							3 FIP	341642A300TP	

3416AS ALL STAINLESS SADDLE LARGER DIAMETERS

Nominal Pipe Size		Pipe OD Range		Width		Letter code	Outlet Size	Part Number	List Price
Inches	MM	Inches	MM	Inches	MM				
42	100	44.20 - 45.40	1123 - 1153	8	200	B	3/4 CC	341642B075TB	\$ 1,238.00
							3/4 NPT	341642B075TC	
							1 CC	341642B100TD	
							1 NPT	341642B100TE	
							1 1/4 CC	341642B125TF	\$ 1,573.30
							1 1/4 NPT	341642B125TG	
							1 1/2 CC	341642B150TH	
							1 1/2 NPT	341642B150TI	
							2 CC	341642B200TJ	
							2 NPT	341642B200TK	
							2 1/2 FIP	341642B250TL	\$ 2,098.20
							3 FIP	341642B300TP	
		45.50 - 46.70	1156 - 1186	8	200	C	3/4 CC	341642C075TB	\$ 1,238.00
							3/4 NPT	341642C075TC	
							1 CC	341642C100TD	
							1 NPT	341642C100TE	
							1 1/4 CC	341642C125TF	\$ 1,573.30
							1 1/4 NPT	341642C125TG	
							1 1/2 CC	341642C150TH	
							1 1/2 NPT	341642C150TI	
							2 CC	341642C200TJ	
							2 NPT	341642C200TK	
							2 1/2 FIP	341642C250TL	\$ 2,098.20
							3 FIP	341642C300TP	
48	1200	48.00 - 49.20	1219 - 1250	8	200	A	3/4 CC	341648A075TB	\$ 1,398.00
							3/4 NPT	341648A075TC	
							1 CC	341648A100TD	
							1 NPT	341648A100TE	
							1 1/4 CC	341648A125TF	\$ 1,798.50
							1 1/4 NPT	341648A125TG	
							1 1/2 CC	341648A150TH	
							1 1/2 NPT	341648A150TI	
							2 CC	341648A200TJ	
							2 NPT	341648A200TK	
							2 1/2 FIP	341648A250TL	\$ 2,302.20
							3 FIP	341648A300TP	

3416AS ALL STAINLESS SADDLE LARGER DIAMETERS

Nominal Pipe Size		Pipe OD Range		Width		Letter code	Outlet Size	Part Number	List Price
Inches	MM	Inches	MM	Inches	MM				
48	1200	50.50 - 51.70	1283 - 1313	8	200	B	3/4 CC	341648B075TB	\$ 1,398.00
							3/4 NPT	341648B075TC	
							1 CC	341648B100TD	
							1 NPT	341648B100TE	
							1 1/4 CC	341648B125TF	\$ 1,798.50
							1 1/4 NPT	341648B125TG	
							1 1/2 CC	341648B150TH	
							1 1/2 NPT	341648B150TI	
		51.80 - 53.00	1316 - 1346	8	200	C	2 CC	341648B200TJ	\$ 2,302.20
							2 NPT	341648B200TK	
							2 1/2 FIP	341648B250TL	
							3 FIP	341648B300TP	
							3/4 CC	341648C075TB	\$ 1,509.40
							3/4 NPT	341648C075TC	
							1 CC	341648C100TD	
							1 NPT	341648C100TE	
		51.80 - 53.00	1316 - 1346	8	200	C	1 1/4 CC	341648C125TF	\$ 1,878.00
							1 1/4 NPT	341648C125TG	
							1 1/2 CC	341648C150TH	
							1 1/2 NPT	341648C150TI	
							2 CC	341648C200TJ	\$ 2,427.00
							2 NPT	341648C200TK	
							2 1/2 FIP	341648C250TL	
							3 FIP	341648C300TP	
48	100	53.10 - 54.30	1349 - 1379	8	200	D	3/4 CC	341648D075TB	\$ 1,509.40
							3/4 NPT	341648D075TC	
							1 CC	341648D100TD	
							1 NPT	341648D100TE	
							1 1/4 CC	341648D125TF	\$ 1,878.00
							1 1/4 NPT	341648D125TG	
							1 1/2 CC	341648D150TH	
							1 1/2 NPT	341648D150TI	
							2 CC	341648D200TJ	\$ 2,427.00
							2 NPT	341648D200TK	
							2 1/2 FIP	341648D250TL	
							3 FIP	341648D300TP	

HOW TO ORDER: Choose nominal pipe size x outlet size and thread configuration. EXAMPLE: 16" C900 O.D. 17.40 with 3/4 CC outlet. Order 3416AS - 16A x 3/4 CC. **Part Number:** 341616A075TB.

Sizes above 30" are supplied with a drop in bolt design.

NOTE: Other ranges, tap sizes available upon request.

3421AS SINGLE STRAP ALL STAINLESS SADDLE "WIDE RANGE"

PANEL & LIFTER BAR: Type 304 (18-8) Stainless Steel per ASTM A240.

BOLTS & NUTS: Type 304 (18-8) Stainless Steel per ASTM A193 and A194. **NOTE:** Hex nuts are furnished with fusion bonded coating to prevent seizing and/or galling.

WASHERS: Delrin per ASTM D6778.

LUGS: Type 304 (18-8) Stainless Steel per ASTM A240.

OUTLET: Type 304 (18-8) Stainless Steel per ASTM A276.

GASKET: NBR per ASTM D2000; Mat gasket with patented TwinSeal® dual o-ring design incorporating both hydrostatic and mechanical forces to affect a dynamic seal, with a temperature range of -25°F to +248°F.

BODY WIDTH: 4".

STRAP WIDTH: 2".



Nominal Pipe Size		Clamp OD Range		Letter code	Outlet Size	Part Number	List Price
Inches	MM	Inches	MM				
4	100	4.35 - 5.65	111 - 144	A	3/4 CC	342104A075TB	\$ 177.70
					3/4 NPT	342104A075TC	
					1 CC	342104A100TD	
					1 NPT	342104A100TE	
5	125	5.40 - 6.40	137 - 163	A	3/4 CC	342105A075TB	\$ 142.30
					3/4 NPT	342105A075TC	
					1 CC	342105A100TD	
					1 NPT	342105A100TE	
6	150	6.45 - 7.75	164 - 197	A	3/4 CC	342106A075TB	\$ 146.40
					3/4 NPT	342106A075TC	
					1 CC	342106A100TD	
					1 NPT	342106A100TE	
8	200	8.50 - 9.80	216 - 249	A	3/4 CC	342108A075TB	\$ 149.60
					3/4 NPT	342108A075TC	
					1 CC	342108A100TD	
					1 NPT	342108A100TE	
10	250	10.25 - 11.55	260 - 293	A	3/4 CC	342110A075TB	\$ 179.30
					3/4 NPT	342110A075TC	
					1 CC	342110A100TD	
					1 NPT	342110A100TE	
		10.95 - 12.35	278 - 314	B	3/4 CC	342110B075TB	
					3/4 NPT	342110B075TC	
					1 CC	342110B100TD	
					1 NPT	342110B100TE	
12	300	12.30 - 13.60	312 - 345	A	3/4 CC	342112A075TB	\$ 184.30
					3/4 NPT	342112A075TC	
					1 CC	342112A100TD	
					1 NPT	342112A100TE	
		13.14 - 14.44	334-367	B	3/4 CC	342112B075TB	
					3/4 IP	342112B075TC	
					1 CC	342112B100TD	
					1 NPT	342112B100TE	

HOW TO ORDER: Choose nominal pipe sizes x outlet size and thread configuration.

EXAMPLE: 12" ductile iron pipe with a 1" CC tap. Order 3421AS-12A x 1CC. **Part Number:** 342112A100TD.

NOTE: Other ranges, tap sizes available upon request.

3422AS DOUBLE STRAP ALL STAINLESS SADDLE “WIDE RANGE”

PANEL & LIFTER BAR: Type 304 (18-8) Stainless Steel per ASTM A240.

BOLTS & NUTS: Type 304 (18-8) Stainless Steel per ASTM A193 and A194. **NOTE:**

Hex nuts are furnished with fusion bonded coating to prevent seizing and/or galling.

WASHERS: Delrin per ASTM D6778.

LUGS: Type 304 (18-8) Stainless Steel per ASTM A240.

OUTLET: Type 304 (18-8) Stainless Steel per ASTM A276.

GASKET: NBR per ASTM D2000; Mat gasket with patented TwinSeal® dual o-ring design incorporating both hydrostatic and mechanical forces to affect a dynamic seal, with a temperature range of -25°F to +248°F.

BODY WIDTH: 8".

STRAP WIDTH: 2".



Nominal Pipe Size		Clamp OD Range		Letter code	Outlet Size	Part Number	List Price
Inches	MM	Inches	MM				
4	100	4.35 - 5.65	111 - 144	A	3/4 CC	342204A075TB	\$ 209.80
					3/4 NPT	342204A075TC	
					1 CC	342204A100TD	
					1 NPT	342204A100TE	
					1 1/4 CC	342204A125TF	\$ 232.90
					1 1/4 NPT	342204A125TG	
					1 1/2 CC	342204A150TH	
					1 1/2 NPT	342204A150TI	
					2 CC	342204A200TJ	
					2 NPT	342204A200TK	
5	125	5.40 - 6.40	137 - 163	A	3/4 CC	342205A075TB	\$ 211.00
					3/4 NPT	342205A075TC	
					1 CC	342205A100TD	
					1 NPT	342205A100TE	
					1 1/4 CC	342205A125TF	\$ 236.10
					1 1/4 NPT	342205A125TG	
					1 1/2 CC	342205A150TH	
					1 1/2 NPT	342205A150TI	
					2 CC	342205A200TJ	
					2 NPT	342205A200TK	
6	150	6.45 - 7.75	164 - 197	A	3/4 CC	342206A075TB	\$ 217.60
					3/4 NPT	342206A075TC	
					1 CC	342206A100TD	
					1 NPT	342206A100TE	
					1 1/4 CC	342206A125TF	\$ 241.80
					1 1/4 NPT	342206A125TG	
					1 1/2 CC	342206A150TH	
					1 1/2 NPT	342206A150TI	
					2 CC	342206A200TJ	
					2 NPT	342206A200TK	

3422AS DOUBLE STRAP ALL STAINLESS SADDLE “WIDE RANGE”

Nominal Pipe Size		Clamp OD Range		Letter code	Outlet Size	Part Number	List Price
Inches	MM	Inches	MM				
8	200	8.50 - 9.80	216 - 249	A	3/4 CC	342208A075TB	\$ 222.20
					3/4 NPT	342208A075TC	
					1 CC	342208A100TD	
					1 NPT	342208A100TE	
					1 1/4 CC	342208A125TF	\$ 246.80
					1 1/4 NPT	342208A125TG	
					1 1/2 CC	342208A150TH	
					1 1/2 NPT	342208A150TI	
					2 CC	342208A200TJ	
					2 NPT	342208A200TK	
10	250	10.25 - 11.55	260 - 292	A	3/4 CC	342210A075TB	\$ 233.10
					3/4 NPT	342210A075TC	
					1 CC	342210A100TD	
					1 NPT	342210A100TE	
					1 1/4 CC	342210A125TF	\$ 259.00
					1 1/4 NPT	342210A125TG	
					1 1/2 CC	342210A150TH	
					1 1/2 NPT	342210A150TI	
					2 CC	342210A200TJ	
					2 NPT	342210A200TK	
		10.95 - 12.35	278 - 314	B	3/4 CC	342210B075TB	\$ 233.10
					3/4 NPT	342210B075TC	
					1 CC	342210B100TD	
					1 NPT	342210B100TE	
					1 1/4 CC	342210B125TF	\$ 259.00
					1 1/4 NPT	342210B125TG	
					1 1/2 CC	342210B150TH	
					1 1/2 NPT	342210B150TI	
					2 CC	342210B200TJ	
					2 NPT	342210B200TK	
12	300	12.30 - 13.60	312 - 345	A	3/4 CC	342212A075TB	\$ 239.30
					3/4 NPT	342212A075TC	
					1 CC	342212A100TD	
					1 NPT	342212A100TE	
					1 1/4 CC	342212A125TF	\$ 265.80
					1 1/4 NPT	342212A125TG	
					1 1/2 CC	342212A150TH	
					1 1/2 NPT	342212A150TI	
					2 CC	342212A200TJ	
					2 NPT	342212A200TK	

3422AS DOUBLE STRAP ALL STAINLESS SADDLE “WIDE RANGE”

Nominal Pipe Size		Clamp OD Range		Letter code	Outlet Size	Part Number	List Price
Inches	MM	Inches	MM				
12	300	13.14 - 14.44	334 - 367	B	3/4 CC	342212B075TB	\$ 239.30
					3/4 NPT	342212B075TC	
					1 CC	342212B100TD	
					1 NPT	342212B100TE	
					1 1/4 CC	342212B125TF	\$ 265.80
					1 1/4 NPT	342212B125TG	
					1 1/2 CC	342212B150TH	
					1 1/2 NPT	342212B150TI	
					2 CC	342212B200TJ	
					2 NPT	342212B200TK	
14	350	14.00 - 15.30	356 - 389	A	3/4 CC	342214A075TB	\$ 269.10
					3/4 NPT	342214A075TC	
					1 CC	342214A100TD	
					1 NPT	342214A100TE	
					1 1/4 CC	342214A125TF	\$ 299.00
					1 1/4 NPT	342214A125TG	
					1 1/2 CC	342214A150TH	
					1 1/2 NPT	342214A150TI	
					2 CC	342214A200TJ	
					2 NPT	342214A200TK	
		15.40 - 16.70	391 - 424	B	3/4 CC	342214B075TB	\$ 269.10
					3/4 NPT	342214B075TC	
					1 CC	342214B100TD	
					1 NPT	342214B100TE	
					1 1/4 CC	342214B125TF	\$ 299.00
					1 1/4 NPT	342214B125TG	
					1 1/2 CC	342214B150TH	
					1 1/2 NPT	342214B150TI	
16	400	16.20 - 17.50	412 - 445	A	2 CC	342214B200TJ	\$ 269.10
					2 NPT	342214B200TK	
					3/4 CC	342216A075TB	\$ 274.40
					3/4 NPT	342216A075TC	
					1 CC	342216A100TD	
					1 NPT	342216A100TE	
					1 1/4 CC	342216A125TF	\$ 304.90
					1 1/4 NPT	342216A125TG	
					1 1/2 CC	342216A150TH	
					1 1/2 NPT	342216A150TI	
					2 CC	342216A200TJ	
					2 NPT	342216A200TK	

3422AS DOUBLE STRAP ALL STAINLESS SADDLE “WIDE RANGE”

Nominal Pipe Size		Clamp OD Range		Letter code	Outlet Size	Part Number	List Price
Inches	MM	Inches	MM				
16	400	17.90 - 19.20	455 - 488	B	3/4 CC	342216B075TB	\$ 274.40
					3/4 NPT	342216B075TC	
					1 CC	342216B100TD	
					1 NPT	342216B100TE	
					1 1/4 CC	342216B125TF	\$ 304.90
					1 1/4 NPT	342216B125TG	
					1 1/2 CC	342216B150TH	
					1 1/2 NPT	342216B150TI	
					2 CC	342216B200TJ	
					2 NPT	342216B200TK	
18	450	19.20 - 20.40	488 - 518	A	3/4 CC	342218A075TB	\$ 295.10
					3/4 NPT	342218A075TC	
					1 CC	342218A100TD	
					1 NPT	342218A100TE	
					1 1/4 CC	342218A125TF	\$ 328.30
					1 1/4 NPT	342218A125TG	
					1 1/2 CC	342218A150TH	
					1 1/2 NPT	342218A150TI	
					2 CC	342218A200TJ	
					2 NPT	342218A200TK	
20	500	21.50 - 22.80	546 - 579	A	3/4 CC	342220A075TB	\$ 301.10
					3/4 NPT	342220A075TC	
					1 CC	342220A100TD	
					1 NPT	342220A100TE	
					1 1/4 CC	342220A125TF	\$ 334.60
					1 1/4 NPT	342220A125TG	
					1 1/2 CC	342220A150TH	
					1 1/2 NPT	342220A150TI	
					2 CC	342220A200TJ	
					2 NPT	342220A200TK	
24	600	25.70 - 27.00	653 - 686	A	3/4 CC	342224A075TB	\$ 319.80
					3/4 NPT	342224A075TC	
					1 CC	342224A100TD	
					1 NPT	342224A100TE	
					1 1/4 CC	342224A125TF	\$ 355.30
					1 1/4 NPT	342224A125TG	
					1 1/2 CC	342224A150TH	
					1 1/2 NPT	342224A150TI	
					2 CC	342224A200TJ	
					2 NPT	342224A200TK	

HOW TO ORDER: Choose nominal pipe sizes x outlet size and thread configuration. EXAMPLE: 12" ductile iron pipe with a 1" CC tap. Order 3422AS-12A x 1CC. **Part Number:** 342212A100TD

NOTE: Other ranges, tap sizes available upon request.

3417AS STAINLESS SADDLE WITH STRAPS

(CAST ALL STAINLESS STEEL BODY)

BODY CASTING: Stainless Steel 18-8 ASTM A743.

STRAPS: Type 304 (18-8) Stainless Steel per ASTM A240.

STUD BOLTS: Type 304 (18-8) Stainless Steel per ASTM A193.

NUTS: Type 304 (18-8) Stainless Steel per ASTM A194. **NOTE:** Hex nuts are furnished with fusion bonded coating to prevent seizing and/or galling.

GASKETS: NBR per ASTM D2000; Patented TwinSeal® dual o-ring design incorporating both hydrostatic and mechanical forces to affect a dynamic seal, with a temperature range of -25°F to +248°F.

“NEW”



Nominal Pipe Size		Pipe OD Range		Letter code	Outlet Size	Part Number	List Price
Inches	MM	Inches	MM				
4	100	4.00 - 4.50	102 - 114	A	3/4 CC	341704A075HB-AS	\$ 219.50
					3/4 NPT	341704A075HC-AS	
					1 CC	341704A100HD-AS	
					1 NPT	341704A100HE-AS	
					1 1/4 CC	341704A125HF-AS	\$ 336.90
					1 1/4 NPT	341704A125HG-AS	
					1 1/2 CC	341704A150HH-AS	
					1 1/2 NPT	341704A150HI-AS	
		4.74 - 5.63	120 - 143	B	2 CC	341704A200HJ-AS	\$ 219.50
					2 NPT	341704A200HK-AS	
					3/4 CC	341704B075HB-AS	\$ 336.90
					3/4 NPT	341704B075HC-AS	
					1 CC	341704B100HD-AS	
					1 NPT	341704B100HE-AS	
		4.74 - 5.14	120 - 131	C	1 1/4 CC	341704C125HF-AS	\$ 336.90
					1 1/4 NPT	341704C125HG-AS	
					1 1/2 CC	341704C150HH-AS	
					1 1/2 NPT	341704C150HI-AS	
					2 CC	341704C200HJ-AS	
					2 NPT	341704C200HK-AS	
6	150	6.00 - 6.63	152 - 168	A	3/4 CC	341706A075HB-AS	\$ 236.80
					3/4 NPT	341706A075HC-AS	
					1 CC	341706A100HD-AS	
					1 NPT	341706A100HE-AS	
					1 1/4 CC	341706A125HF-AS	\$ 362.30
					1 1/4 NPT	341706A125HG-AS	
					1 1/2 CC	341706A150HH-AS	
					1 1/2 NPT	341706A150HI-AS	
		6.84 - 7.64	174 - 194	B	2 CC	341706A200HJ-AS	\$ 236.80
					2 NPT	341706A200HK-AS	
					3/4 CC	341706B075HB-AS	\$ 362.30
					3/4 NPT	341706B075HC-AS	
					1 CC	341706B100HD-AS	
					1 NPT	341706B100HE-AS	
					1 1/4 CC	341706B125HF-AS	\$ 362.30
					1 1/4 NPT	341706B125HG-AS	
					1 1/2 CC	341706B150HH-AS	
					1 1/2 NPT	341706B150HI-AS	
					2 CC	341706B200HJ-AS	\$ 362.30
					2 NPT	341706B200HK-AS	

3417AS STAINLESS SADDLE WITH STRAPS

Nominal Pipe Size		Pipe OD Range		Letter code	Outlet Size	Part Number	List Price
Inches	MM	Inches	MM				
6	150	6.63 - 6.90	168 - 175	C	3/4 CC	341706C075HB-AS	\$ 236.80
					3/4 NPT	341706C075HC-AS	
					1 CC	341706C100HD-AS	
					1 NPT	341706C100HE-AS	
					1 1/4 CC	341706C125HF-AS	\$ 362.30
					1 1/4 NPT	341706C125HG-AS	
					1 1/2 CC	341706C150HH-AS	
					1 1/2 NPT	341706C150HI-AS	
					2 CC	341706C200HJ-AS	
					2 NPT	341706C200HK-AS	
8	200	8.00 - 8.63	203 - 219	A	2 NPT	341708A075HB-AS	\$ 303.90
					3/4 NPT	341708A075HC-AS	
					1 CC	341708A100HD-AS	
					1 NPT	341708A100HE-AS	
					1 1/4 CC	341708A125HF-AS	\$ 463.30
					1 1/4 NPT	341708A125HG-AS	
					1 1/2 CC	341708A150HH-AS	
					1 1/2 NPT	341708A150HI-AS	
					2 CC	341708A200HJ-AS	
					2 NPT	341708A200HK-AS	
		8.54 - 10.10	216 - 257	B	3/4 CC	341708B075HB-AS	\$ 303.90
					3/4 NPT	341708B075HC-AS	
					1 CC	341708B100HD-AS	
					1 NPT	341708B100HE-AS	
					1 1/4 CC	341708B125HF-AS	\$ 463.30
					1 1/4 NPT	341708B125HG-AS	
					1 1/2 CC	341708B150HH-AS	
					1 1/2 NPT	341708B150HI-AS	
10	250	10.00 - 11.10	254 - 282	A	2 CC	341708B200HJ-AS	\$ 335.30
					2 NPT	341708B200HK-AS	
					3/4 CC	341710A075HB-AS	\$ 335.30
					3/4 NPT	341710A075HC-AS	
					1 CC	341710A100HD-AS	
					1 NPT	341710A100HE-AS	
					1 1/4 CC	341710A125HF-AS	\$ 493.50
					1 1/4 NPT	341710A125HG-AS	
					1 1/2 CC	341710A150HH-AS	
					1 1/2 NPT	341710A150HI-AS	
					2 CC	341710A200HJ-AS	
					2 NPT	341710A200HK-AS	

3417AS STAINLESS SADDLE WITH STRAPS

Nominal Pipe Size		Pipe OD Range		Letter code	Outlet Size	Part Number	List Price
Inches	MM	Inches	MM				
10	250	10.64 - 12.12	270 - 308	B	3/4 CC	341710B075HB-AS	\$ 335.30
					3/4 NPT	341710B075HC-AS	
					1 CC	341710B100HD-AS	
					1 NPT	341710B100HE-AS	
					1 1/4 CC	341710B125HF-AS	\$ 493.50
					1 1/4 NPT	341710B125HG-AS	
					1 1/2 CC	341710B150HH-AS	
					1 1/2 NPT	341710B150HI-AS	
					2 CC	341710B200HJ-AS	
					2 NPT	341710B200HK-AS	
12	300	12.00 - 13.20	305 - 335	A	3/4 CC	341712A075HB-AS	\$ 361.30
					3/4 NPT	341712A075HC-AS	
					1 CC	341712A100HD-AS	
					1 NPT	341712A100HE-AS	
					1 1/4 CC	341712A125HF-AS	\$ 532.00
					1 1/4 NPT	341712A125HG-AS	
					1 1/2 CC	341712A150HH-AS	
					1 1/2 NPT	341712A150HI-AS	
					2 CC	341712A200HJ-AS	
					2 NPT	341712A200HK-AS	
12	300	12.62 - 14.32	321 - 364	B	3/4 CC	341712B075HB-AS	\$ 361.30
					3/4 NPT	341712B075HC-AS	
					1 CC	341712B100HD-AS	
					1 NPT	341712B100HE-AS	
					1 1/4 CC	341712B125HF-AS	\$ 532.00
					1 1/4 NPT	341712B125HG-AS	
					1 1/2 CC	341712B150HH-AS	
					1 1/2 NPT	341712B150HI-AS	
					2 CC	341712B200HJ-AS	
					2 NPT	341712B200HK-AS	
12 - 14	300 - 350	14.73 - 15.65	374 - 398	A	3/4 CC	34171214075HB-AS	\$ 444.10
					3/4 NPT	34171214075HC-AS	
					1 CC	34171214100HD-AS	
					1 NPT	34171214100HE-AS	
					1 1/4 CC	34171214125HF-AS	\$ 468.40
					1 1/4 NPT	34171214125HG-AS	
					1 1/2 CC	34171214150HH-AS	
					1 1/2 NPT	34171214150HI-AS	
					2 CC	34171214200HJ-AS	
					2 NPT	34171214200HK-AS	

3417AS STAINLESS SADDLE WITH STRAPS

Nominal Pipe Size		Pipe OD Range		Letter code	Outlet Size	Part Number	List Price
Inches	MM	Inches	MM				
16 - 18	400 - 450	17.40 - 18.88	442 - 480	A	3/4 CC	341716A075HB-AS	\$ 610.30
					3/4 NPT	341716A075HC-AS	
					1 CC	341716A100HD-AS	
					1 NPT	341716A100HE-AS	
					1 1/4 CC	341716A125HF-AS	\$ 631.60
					1 1/4 NPT	341716A125HG-AS	
					1 1/2 CC	341716A150HH-AS	
					1 1/2 NPT	341716A150HI-AS	
					2 CC	341716A200HJ-AS	
					2 NPT	341716A200HK-AS	
18	450	19.50	495	A	3/4 CC	341718A075HB-AS	\$ 641.30
					3/4 NPT	341718A075HC-AS	
					1 CC	341718A100HD-AS	
					1 NPT	341718A100HE-AS	
					1 1/4 CC	341718A125HF-AS	\$ 652.40
					1 1/4 NPT	341718A125HG-AS	
					1 1/2 CC	341718A150HH-AS	
					1 1/2 NPT	341718A150HI-AS	
					2 CC	341718A200HJ-AS	
					2 NPT	341718A200HK-AS	
20	500	21.60	549	A	3/4 CC	341720A075HB-AS	\$ 647.40
					3/4 NPT	341720A075HC-AS	
					1 CC	341720A100HD-AS	
					1 NPT	341720A100HE-AS	
					1 1/4 CC	341720A125HF-AS	\$ 671.60
					1 1/4 NPT	341720A125HG-AS	
					1 1/2 CC	341720A150HH-AS	
					1 1/2 NPT	341720A150HI-AS	
					2 CC	341720A200HJ-AS	
					2 NPT	341720A200HK-AS	
24	600	25.80	655	A	3/4 CC	341724A075HB-AS	\$ 678.90
					3/4 NPT	341724A075HC-AS	
					1 CC	341724A100HD-AS	
					1 NPT	341724A100HE-AS	
					1 1/4 CC	341724A125HF-AS	\$ 703.20
					1 1/4 NPT	341724A125HG-AS	
					1 1/2 CC	341724A150HH-AS	
					1 1/2 NPT	341724A150HI-AS	
					2 CC	341724A200HJ-AS	
					2 NPT	341724A200HK-AS	

HOW TO ORDER: Choose nominal pipe size x outlet size and thread configuration. EXAMPLE: 4" Ductile Iron O.D. 4.80 with 3/4 CC outlet. Order 3417AS - 4B x 3/4 CC. **Part Number:** 341704B075HB-AS – To order with a single wide strap add SW to the end of the part number. For example: 341704B075HB-ASSW.

NOTE: Please advise when saddles are being ordered for use on C900 pipe.

Manufacturer Suggestion: For PVC pipe applications, order saddle which has OD of pipe at the top of the range.

3411DI DUCTILE IRON SADDLE WITH BALE

BODY CASTING: Ductile Iron per ASTM A536.

BALE: Carbon Steel per AISI 1080, with electro-galvanized di-chromate finish for added corrosion resistance.

NUTS: Carbon Steel per ASTM A563, with electrogalvanized di-chromate finish for added corrosion resistance.

GASKET: NBR per ASTM D2000 with unique dual O-Ring design permanently bonded in recessed casting, with a temperature range of -25°F to +248°F.

FINISH: Epoxy.



Nominal Pipe Size		Pipe OD Range		Outlet Size	Part Number	List Price
Inches	MM	Inches	MM			
1	25	1.31 - 1.39	33 - 35	1/2 NPT	3411010005HO-DI	\$ 26.70
				3/4 CC	3411010075HB-DI	
				3/4 NPT	3411010075HC-DI	
				1 CC	3411010100HD-DI	
				1 NPT	3411010100HE-DI	
1 1/4 - 1 1/2	32	1.61 - 1.92	41 - 49	1/2 NPT	3411015005HO-DI	\$ 27.40
				3/4 CC	3411015075HB-DI	
				3/4 NPT	3411015075HC-DI	
				1 CC	3411015100HD-DI	
				1 NPT	3411015100HE-DI	
2A	50	2.38	61	1/2 NPT	341102A005HO-DI	\$ 31.70
				3/4 CC	341102A075HB-DI	
				3/4 NPT	341102A075HC-DI	
				1 CC	341102A100HD-DI	
				1 NPT	341102A100HE-DI	
2B	50	2.35 - 2.56	60 - 65	1/2 NPT	341102B005HO-DI	\$ 29.50
				3/4 CC	341102B075HB-DI	
				3/4 NPT	341102B075HC-DI	
				1 CC	341102B100HD-DI	
				1 NPT	341102B100HE-DI	
				1 1/4 CC	341102B125HF-DI	\$ 39.40
				1 1/4 NPT	341102B125HG-DI	
				1 1/2 NPT	341102B150HI-DI	
2 1/4 - 2 1/2	55 - 65	2.44 - 2.91	62 - 74	1/2 NPT	3411025005HO-DI	\$ 31.00
				3/4 CC	3411025075HB-DI	
				3/4 NPT	3411025075HC-DI	
				1 CC	3411025100HD-DI	
				1 NPT	3411025100HE-DI	
				1 1/4 CC	3411025125HF-DI	\$ 40.30
				1 1/4 NPT	3411025125HG-DI	
				1 1/2 CC	3411025150HH-DI	
				1 1/2 NPT	3411025150HI-DI	

3411DI DUCTILE IRON SADDLE WITH BALE

Nominal Pipe Size		Pipe OD Range		Outlet Size	Part Number	List Price
Inches	MM	Inches	MM			
3	80	2.97 - 3.54	75 - 90	1/2 NPT	3411030005HO-DI	\$ 33.00
				3/4 CC	3411030075HB-DI	
				3/4 NPT	3411030075HC-DI	
				1 CC	3411030100HD-DI	
				1 NPT	3411030100HE-DI	
				1 1/4 CC	3411030125HF-DI	\$ 43.00
				1 1/4 NPT	3411030125HG-DI	
				1 1/2 CC	3411030125HH-DI	
				1 1/2 NPT	3411030125HI-DI	
3 - 4	80 - 100	3.74 - 4.55	95 - 116	1/2 NPT	3411034005HO-DI	\$ 36.00
				3/4 CC	3411034075HB-DI	
				3/4 NPT	3411034075HC-DI	
				1 CC	3411034100HD-DI	
				1 NPT	3411034100HE-DI	
				1 1/4 CC	3411034125HF-DI	\$ 48.50
				1 1/4 NPT	3411034125HG-DI	
				1 1/2 CC	3411034150HH-DI	
				1 1/2 NPT	3411034150HI-DI	
				2 CC	3411034200HJ-DI	
4 - 5	100 - 125	4.74 - 5.63	120 - 143	2 NPT	3411034200HK-DI	\$ 39.00
				1/2 NPT	3411040005HO-DI	
				3/4 CC	3411040075HB-DI	
				3/4 NPT	3411040075HC-DI	
				1 CC	3411040100HD-DI	
				1 NPT	3411040100HE-DI	\$ 53.20
				1 1/4 CC	3411040125HF-DI	
				1 1/4 NPT	3411040125HG-DI	
				1 1/2 CC	3411040150HH-DI	
				1 1/2 NPT	3411040150HI-DI	
5 - 6	125 - 150	5.94 - 6.70	151 - 170	2 CC	3411040200HJ-DI	\$ 42.40
				2 NPT	3411040200HK-DI	
				1/2 NPT	3411050005HO-DI	
				3/4 CC	3411050075HB-DI	
				3/4 NPT	3411050075HC-DI	
				1 CC	3411050100HD-DI	\$ 59.00
				1 NPT	3411050100HE-DI	
				1 1/4 CC	3411050125HF-DI	
				1 1/4 NPT	3411050125HG-DI	
				1 1/2 CC	3411050150HH-DI	
				1 1/2 NPT	3411050150HI-DI	
				2 CC	3411050200HJ-DI	
				2 NPT	3411050200HK-DI	

3411DI DUCTILE IRON SADDLE WITH BALE

Nominal Pipe Size		Pipe OD Range		Outlet Size	Part Number	List Price
Inches	MM	Inches	MM			
6	150	6.84-7.60	174 - 193	1/2 NPT	341106B005HO-DI	\$ 45.30
				3/4 CC	341106B075HB-DI	
				3/4 NPT	341106B075HC-DI	
				1 CC	341106B100HD-DI	
				1 NPT	341106B100HE-DI	
				1 1/4 CC	341106B125HF-DI	\$ 63.80
				1 1/4 NPT	341106B125HG-DI	
				1 1/2 CC	341106B150HH-DI	
				1 1/2 NPT	341106B150HI-DI	
				2 CC	341106B200HJ-DI	
				2 NPT	341106B200HK-DI	
6 - 8	150 - 200	7.69 - 8.72	195 - 222	1/2 NPT	3411068005HO-DI	\$ 51.30
				3/4 CC	3411068075HB-DI	
				3/4 NPT	3411068075HC-DI	
				1 CC	3411068100HD-DI	
				1 NPT	3411068100HE-DI	
				1 1/4 CC	3411068125HF-DI	\$ 69.70
				1 1/4 NPT	3411068125HG-DI	
				1 1/2 CC	3411068150HH-DI	
				1 1/2 NPT	3411068150HI-DI	
				2 CC	3411068200HJ-DI	
				2 NPT	3411068200HK-DI	
8 - 10	200 - 250	8.54 - 10.10	217 - 257	1/2 NPT	3411080005HO-DI	\$ 52.40
				3/4 CC	3411080075HB-DI	
				3/4 NPT	3411080075HC-DI	
				1 CC	3411080100HD-DI	
				1 NPT	3411080100HE-DI	
				1 1/4 CC	3411080125HF-DI	\$ 87.60
				1 1/4 NPT	3411080125HG-DI	
				1 1/2 CC	3411080150HH-DI	
				1 1/2 NPT	3411080150HI-DI	
				2 CC	3411030125HJ-DI	
				2 NPT	3411030125HK-DI	
10 - 12	250 - 300	10.64 - 12.12	270 - 308	1/2 NPT	3411100005HO-DI	\$ 63.40
				3/4 CC	3411100075HB-DI	
				3/4 NPT	3411100075HC-DI	
				1 CC	3411100100HD-DI	
				1 NPT	3411100100HE-DI	
				1 1/4 CC	3411100125HF-DI	\$ 97.30
				1 1/4 NPT	3411100125HG-DI	
				1 1/2 CC	3411100150HH-DI	
				1 1/2 NPT	3411100150HI-DI	
				2 CC	3411100200HJ-DI	
				2 NPT	3411100200HK-DI	

3411DI DUCTILE IRON SADDLE WITH BALE

Nominal Pipe Size		Pipe OD Range		Outlet Size	Part Number	List Price
Inches	MM	Inches	MM			
12 - 14	300 - 350	12.62 - 14.32	321 - 364	1/2 NPT	3411120005HO-DI	\$ 68.10
				3/4 CC	3411120075HB-DI	
				3/4 NPT	3411120075HC-DI	
				1 CC	3411120100HD-DI	
				1 NPT	3411120100HE-DI	
				1 1/4 CC	3411120125HF-DI	\$ 99.10
				1 1/4 NPT	3411120125HG-DI	
				1 1/2 CC	3411120150HH-DI	
				1 1/2 NPT	3411120150HI-DI	
				2 CC	3411120200HJ-DI	
				2 NPT	3411120200HK-DI	

HOW TO ORDER: Choose nominal pipe size x outlet size and thread configuration. **EXAMPLE:** 4" Ductile Iron O.D. 4.80 with 3/4 CC outlet. Order 3411DI 4-5 x 3/4 CC Single Bale. **Part Number:** 3411040075HB-DI

NOTE: Please advise when saddles are being ordered for use on C900 pipe.

Manufacturer Suggestion: This saddle is not recommended for use on PVC pipe.



COATING OPTION: Anti-Seizing/Galling protection. Available for both Alloy and SST application. Inquire with sales for cost and availability.

3413DI DUCTILE IRON SADDLE WITH BALES

BODY CASTING: Ductile Iron per ASTM A536.

BALES: Carbon Steel per AISI 1080, with electro-galvanized di-chromate finish for added corrosion resistance.

NUTS: Carbon Steel per ASTM A563, with electro-galvanized di-chromate finish for added corrosion resistance.

GASKET: NBR per ASTM D2000 with Unique dual O-Ring design permanently bonded in recessed casting, with a temperature range of -25°F to +248°F.

FINISH: Epoxy.



Nominal Pipe Size		Pipe OD Range		Letter Code	Outlet Size	Part Number	List Price
Inches	MM	Inches	MM				
2	50	2.38 - 2.50	61 - 64	A	1/2 NPT	341302A005H0-D	\$ 40.30
					3/4 CC	341302A075HB-D	
					3/4 NPT	341302A075HC-D	
					1 CC	341302A100HD-D	
					1 NPT	341302A100HE-D	\$ 42.30
					1 1/4 CC	341302A125HF-D	
					1 1/4 NPT	341302A125HG-D	
					1 1/2 NPT	341302A150HI-D	
3	80	3.50	89	A	1/2 NPT	341303A005H0-D	\$ 48.00
					3/4 CC	341303A075HB-D	
					3/4 NPT	341303A075HC-D	
					1 CC	341303A100HD-D	
					1 NPT	341303A100HE-D	\$ 62.20
					1 1/4 CC	341303A125HF-D	
					1 1/4 NPT	341303A125HG-D	
					1 1/2 CC	341303A150HH-D	
					1 1/2 NPT	341303A150HI-D	
					2 NPT	341303A200HK-D	
		3.45 - 4.05	88 - 103	B	1/2 NPT	341303B005H0-D	\$ 51.00
					3/4 CC	341303B075HB-D	
					3/4 NPT	341303B075HC-D	
					1 CC	341303B100HD-D	
					1 NPT	341303B100HE-D	\$ 65.20
					1 1/4 CC	341303B125HF-D	
					1 1/4 NPT	341303B125HG-D	
					1 1/2 CC	341303B150HH-D	
					1 1/2 NPT	341303B150HI-D	
					2 NPT	341303B200HK-D	

3413DI DUCTILE IRON SADDLE WITH BALES

Nominal Pipe Size		Pipe OD Range		Letter Code	Outlet Size	Part Number	List Price
Inches	MM	Inches	MM				
4	100	4.00 - 4.50	102 - 114	A	1/2 NPT	341304A005HO-D	\$ 52.40
					3/4 CC	341304A075HB-D	
					3/4 NPT	341304A075HC-D	
					1 CC	341304A100HD-D	
					1 NPT	341304A100HE-D	
					1 1/4 CC	341304A125HF-D	\$ 67.80
					1 1/4 NPT	341304A125HG-D	
					1 1/2 CC	341304A150HH-D	
					1 1/2 NPT	341304A150HI-D	
					2 CC	341304A200HJ-D	
					2 NPT	341304A200HK-D	
4	100	4.74 - 5.63	120 - 143	B	1/2 NPT	341304B005HO-D	\$ 56.60
					3/4 CC	341304B075HB-D	
					3/4 NPT	341304B075HC-D	
					1 CC	341304B100HD-D	
					1 NPT	341304B100HE-D	
		4.74 - 5.14	120 - 131	C	1 1/4 CC	341304C125HF-D	\$ 73.20
					1 1/4 NPT	341304C125HG-D	
					1 1/2 CC	341304C150HH-D	
					1 1/2 NPT	341304C150HI-D	
					2 CC	341304C200HJ-D	
					2 NPT	341304C200HK-D	
6	150	6.00 - 6.63	152 - 168	A	1/2 NPT	341306A005HO-D	\$ 59.30
					3/4 CC	341306A075HB-D	
					3/4 NPT	341306A075HC-D	
					1 CC	341306A100HD-D	
					1 NPT	341306A100HE-D	
					1 1/4 CC	341306A125HF-D	\$ 75.90
					1 1/4 NPT	341306A125HG-D	
					1 1/2 CC	341306A150HH-D	
					1 1/2 NPT	341306A150HI-D	
					2 CC	341306A200HJ-D	
					2 NPT	341306A200HK-D	

3413DI DUCTILE IRON SADDLE WITH BALES

Nominal Pipe Size		Pipe OD Range		Letter Code	Outlet Size	Part Number	List Price
Inches	MM	Inches	MM				
6	150	6.84 - 7.64	174 - 194	B	1/2 NPT	341306B005HO-D	\$ 69.70
					3/4 CC	341306B075HB-D	
					3/4 NPT	341306B075HC-D	
					1 CC	341306B100HD-D	
					1 NPT	341306B100HE-D	
					1 1/4 CC	341306B125HF-D	\$ 85.90
					1 1/4 NPT	341306B125HG-D	
					1 1/2 CC	341306B150HH-D	
					1 1/2 NPT	341306B150HI-D	
					2 CC	341306B200HJ-D	
					2 NPT	341306B200HK-D	
		6.63 - 6.90	168 - 175	C	1/2 NPT	341306C005HO-D	\$ 79.30
					3/4 CC	341306C075HB-D	
					3/4 NPT	341306C075HC-D	
					1 CC	341306C100HD-D	
					1 NPT	341306C100HE-D	\$ 95.30
					1 1/4 CC	341306C125HF-D	
					1 1/4 NPT	341306C125HG-D	
					1 1/2 CC	341306C150HH-D	
					1 1/2 NPT	341306C150HI-D	
					2 CC	341306C200HJ-D	
					2 NPT	341306C200HK-D	
8	200	8.00 - 8.63	203 - 219	A	1/2 NPT	341308A005HO-D	\$ 71.70
					3/4 CC	341308A075HB-D	
					3/4 NPT	341308A075HC-D	
					1 CC	341308A100HD-D	
					1 NPT	341308A100HE-D	
					1 1/4 CC	341308A125HF-D	\$ 91.90
					1 1/4 NPT	341308A125HG-D	
					1 1/2 CC	341308A150HH-D	
					1 1/2 NPT	341308A150HI-D	
					2 CC	341308A200HJ-D	
					2 NPT	341308A200HK-D	
		8.54 - 10.10	216 - 257	B	1/2 NPT	341308B005HO-D	\$ 76.00
					3/4 CC	341308B075HB-D	
					3/4 NPT	341308B075HC-D	
					1 CC	341308B100HD-D	
					1 NPT	341308B100HE-D	
					1 1/4 CC	341308B125HF-D	\$ 94.90
					1 1/4 NPT	341308B125HG-D	
					1 1/2 CC	341308B150HH-D	
					1 1/2 NPT	341308B150HI-D	
					2 CC	341308B200HJ-D	
					2 NPT	341308B200HK-D	

3413DI DUCTILE IRON SADDLE WITH BALES

Nominal Pipe Size		Pipe OD Range		Letter Code	Outlet Size	Part Number	List Price
Inches	MM	Inches	MM				
8	200	8.63 - 9.05	219 - 229	C	1/2 NPT	341308C005H0-D	\$80.00
					3/4 CC	341308C075HB-D	
					3/4 NPT	341308C075HC-D	
					1 CC	341308C100HD-D	
					1 NPT	341308C100HE-D	
					1 1/4 CC	341308C125HF-D	\$97.90
					1 1/4 NPT	341308C125HG-D	
					1 1/2 CC	341308C150HH-D	
					1 1/2 NPT	341308C150HI-D	
					2 CC	341308C200HJ-D	
					2 NPT	341308C200HK-D	
10	250	10.00 - 11.10	254 - 282	A	1/2 NPT	341310A005H0-D	\$ 98.30
					3/4 CC	341310A075HB-D	
					3/4 NPT	341310A075HC-D	
					1 CC	341310A100HD-D	
					1 NPT	341310A100HE-D	
					1 1/4 CC	341310A125HF-D	\$ 125.20
					1 1/4 NPT	341310A125HG-D	
					1 1/2 CC	341310A150HH-D	
					1 1/2 NPT	341310A150HI-D	
					2 CC	341310A200HJ-D	
					2 NPT	341310A200HK-D	
10	250	10.64 - 12.12	270 - 308	B	1/2 NPT	341310B005H0-D	\$ 98.30
					3/4 CC	341310B075HB-D	
					3/4 NPT	341310B075HC-D	
					1 CC	341310B100HD-D	
					1 NPT	341310B100HE-D	
					1 1/4 CC	341310B125HF-D	\$ 125.20
					1 1/4 NPT	341310B125HG-D	
					1 1/2 CC	341310B150HH-D	
					1 1/2 NPT	341310B150HI-D	
					2 CC	341310B200HJ-D	
					2 NPT	341310B200HK-D	
12	300	12.00 - 13.20	305 - 335	A	1/2 NPT	341312A005H0-D	\$ 120.00
					3/4 CC	341312A075HB-D	
					3/4 NPT	341312A075HC-D	
					1 CC	341312A100HD-D	
					1 NPT	341312A100HE-D	
					1 1/4 CC	341312A125HF-D	\$ 150.00
					1 1/4 NPT	341312A125HG-D	
					1 1/2 CC	341312A150HH-D	
					1 1/2 NPT	341312A150HI-D	
					2 CC	341312A200HJ-D	
					2 NPT	341312A200HK-D	

3413DI DUCTILE IRON SADDLE WITH BALES

Nominal Pipe Size		Pipe OD Range		Letter Code	Outlet Size	Part Number	List Price
Inches	MM	Inches	MM				
12	300	12.62 - 14.32	321 - 364	B	1/2 NPT	341312B005HO-D	\$ 120.00
					3/4 CC	341312B075HB-D	
					3/4 NPT	341312B075HC-D	
					1 CC	341312B100HD-D	
					1 NPT	341312B100HE-D	
					1 1/4 CC	341312B125HF-D	\$ 150.00
					1 1/4 NPT	341312B125HG-D	
					1 1/2 CC	341312B150HH-D	
					1 1/2 NPT	341312B150HI-D	
					2 CC	341312B200HJ-D	
12 - 14	300 - 350	14.73 - 15.65	374 - 398	A	2 NPT	341312B200HK-D	\$ 169.60
					1/2 NPT	34131214005HO-D	
					3/4 CC	34131214075HB-D	
					3/4 NPT	34131214075HC-D	
					1 CC	34131214100HD-D	
					1 NPT	34131214100HE-D	\$ 218.10
					1 1/4 CC	34131214125HF-D	
					1 1/4 NPT	34131214125HG-D	
					1 1/2 CC	34131214150HH-D	
					1 1/2 NPT	34131214150HI-D	
16 - 18	400 - 450	17.40 - 18.88	442 - 480	A	2 CC	34131214200HJ-D	\$ 189.60
					2 NPT	34131214200HK-D	
					1/2 NPT	341316A005HO-D	
					3/4 CC	341316A075HB-D	
					3/4 NPT	341316A075HC-D	\$ 272.40
					1 CC	341316A100HD-D	
					1 NPT	341316A100HE-D	
					1 1/4 CC	341316A125HF-D	
					1 1/4 NPT	341316A125HG-D	
					1 1/2 CC	341316A150HH-D	
18	450	19.50	495	A	1 1/2 NPT	341316A150HI-D	\$ 222.20
					2 CC	341316A200HJ-D	
					2 NPT	341316A200HK-D	
					1/2 NPT	341318A005HO-D	\$ 294.90
					3/4 CC	341318A075HB-D	
					3/4 NPT	341318A075HC-D	
					1 CC	341318A100HD-D	
					1 NPT	341318A100HE-D	
					1 1/4 CC	341318A125HF-D	
					1 1/4 NPT	341318A125HG-D	
					1 1/2 CC	341318A150HH-D	
					1 1/2 NPT	341318A150HI-D	
					2 CC	341318A200HJ-D	
					2 NPT	341318A200HK-D	

3413DI DUCTILE IRON SADDLE WITH BALES

Nominal Pipe Size		Pipe OD Range		Letter Code	Outlet Size	Part Number	List Price
Inches	MM	Inches	MM				
20	500	21.60	549	A	1/2 NPT	341320A005HO-D	\$ 287.30
					3/4 CC	341320A075HB-D	
					3/4 NPT	341320A075HC-D	
					1 CC	341320A100HD-D	
					1 NPT	341320A100HE-D	
					1 1/4 CC	341320A125HF-D	\$ 329.50
					1 1/4 NPT	341320A125HG-D	
					1 1/2 CC	341320A150HH-D	
					1 1/2 NPT	341320A150HI-D	
					2 CC	341320A200HJ-D	
					2 NPT	341320A200HK-D	
24	600	25.80	655	A	1/2 NPT	341324A005HO-D	\$ 302.60
					3/4 CC	341324A075HB-D	
					3/4 NPT	341324A075HC-D	
					1 CC	341324A100HD-D	
					1 NPT	341324A100HE-D	
					1 1/4 CC	341324A125HF-D	\$ 362.50
					1 1/4 NPT	341324A125HG-D	
					1 1/2 CC	341324A150HH-D	
					1 1/2 NPT	341324A150HI-D	
					2 CC	341324A200HJ-D	
					2 NPT	341324A200HK-D	

HOW TO ORDER: Choose nominal pipe size x outlet size and thread configuration. **EXAMPLE:** 4" Ductile Iron O.D. 4.80 with 3/4CC outlet. Order 3413DI - 4B x 3/4 CC Double Bale. **Part Number:** 341304B075HB-D

NOTE: Please advise when saddles are being ordered for use on C900 pipe.

Manufacturer Suggestion: This saddle is not recommended for use on PVC pipe.



COATING OPTION: Anti-Seizing/Galling protection. Available for both Alloy and SST application. Inquire with sales for cost and availability

3415DI DUCTILE IRON SADDLE SINGLE STRAP

BODY CASTING: Ductile Iron per ASTM A536.

STRAP: Type 304 (18-8) Stainless Steel per ASTM A240.

STUD BOLTS: Type 304 (18-8) Stainless Steel per ASTM A193.

NUTS: Type 304 (18-8) Stainless Steel per ASTM A194. **NOTE:** Hex nuts are furnished with fusion bonded coating to prevent seizing and/or galling.

GASKET: NBR per ASTM D2000 with Unique dual O-Ring design permanently bonded in recessed casting, with a temperature range of V-25°F to +248°F.

FINISH: Epoxy.



Nominal Pipe Size		Pipe OD Range		outlet size	Part Number	List Price
Inches	MM	Inches	MM			
1	25	1.31 - 1.39	33 - 35	1/2 NPT	3415010005HO	\$ 65.80
				3/4 CC	3415010075HB	
				3/4 NPT	3415010075HC	
				1 CC	3415010100HD	
				1 NPT	3415010100HE	
1 1/4 - 1 1/2	32	1.61 - 1.92	41 - 49	1/2 NPT	3415015005HO	\$ 66.30
				3/4 CC	3415015075HB	
				3/4 NPT	3415015075HC	
				1 CC	3415015100HD	
				1 NPT	3415015100HE	
2A	50	2.13	54	1/2 NPT	341502A005HO	\$ 67.90
				3/4 CC	341502A075HB	
				3/4 NPT	341502A075HC	
				1 CC	341502A100HD	
				1 NPT	341502A100HE	
2B	50	2.38	61	1/2 NPT	341502B005HO	\$ 67.90
				3/4 CC	341502B075HB	
				3/4 NPT	341502B075HC	
				1 CC	341502B100HD	
				1 NPT	341502B100HE	
2C	50	2.35 - 2.56	60 - 65	1/2 NPT	341502C005HO	\$ 67.90
				3/4 CC	341502C075HB	
				3/4 NPT	341502C075HC	
				1 CC	341502C100HD	
				1 NPT	341502C100HE	
				1 1/4 CC	341502C125HF	\$ 79.60
				1 1/4 NPT	341502C125HG	
				1 1/2 NPT	341502C150HH	
2 1/4 - 2 1/2	55 - 65	2.44 - 2.91	62 - 74	1/2 NPT	3415025005HO	\$ 69.30
				3/4 CC	3415025075HB	
				3/4 NPT	3415025075HC	
				1 CC	3415025100HD	
				1 NPT	3415025100HE	
				1 1/4 CC	3415025125HF	\$ 81.70
				1 1/4 NPT	3415025125HG	
				1 1/2 NPT	3415025150HI	

3415DI DUCTILE IRON SADDLE SINGLE STRAP

Nominal Pipe Size		Pipe OD Range		outlet size	Part Number	List Price
Inches	MM	Inches	MM			
3	80	2.97 - 3.54	75 - 90	1/2 NPT	3415030005HO	\$ 70.60
				3/4 CC	3415030075HB	
				3/4 NPT	3415030075HC	
				1 CC	3415030100HD	
				1 NPT	3415030100HE	
				1 1/4 CC	3415030125HF	\$ 83.00
				1 1/4 NPT	3415030125HG	
				1 1/2 CC	3415030150HH	
				1 1/2 NPT	3415030150HI	
3 - 4	80 - 100	3.74 - 4.55	95 - 116	1/2 NPT	3415034005HO	\$ 67.00
				3/4 CC	3415034075HB	
				3/4 NPT	3415034075HC	
				1 CC	3415034100HD	
				1 NPT	3415034100HE	
				1 1/4 CC	3415034125HF	\$ 84.30
				1 1/4 NPT	3415034125HG	
				1 1/2 CC	3415034150HH	
				1 1/2 NPT	3415034150HI	
4-5	100-125	4.74 - 5.63	120 - 143	3/4 CC	3415040075HB	\$ 68.60
				3/4 NPT	3415040075HC	
				1 CC	3415040100HD	
				1 NPT	3415040100HE	
				1 1/4 CC	3415040125HF	\$ 85.60
				1 1/4 NPT	3415040125HG	
				1 1/2 CC	3415040150HH	
				1 1/2 NPT	3415040150HI	
				2 NPT	3415040200HK	
5 - 6	125 - 150	5.94 - 6.70	151 - 170	1/2 NPT	3415056005HO	\$ 78.50
				3/4 CC	3415056075HB	
				3/4 NPT	3415056075HC	
				1 CC	3415056100HD	
				1 NPT	3415056100HE	
				1 1/4 CC	3415056125HF	\$ 92.20
				1 1/4 NPT	3415056125HG	
				1 1/2 CC	3415056150HH	
				1 1/2 NPT	3415056150HI	
				2 CC	3415056200HJ	
				2 NPT	3415056200HK	

3415DI DUCTILE IRON SADDLE SINGLE STRAP

Nominal Pipe Size		Pipe OD Range		outlet size	Part Number	List Price
Inches	MM	Inches	MM			
6	150	6.84 - 7.60	174 - 193	1/2 NPT	3415060005HO	\$ 79.70
				3/4 CC	3415060075HB	
				3/4 NPT	3415060075HC	
				1 CC	3415060100HD	
				1 NPT	3415060100HE	
				1 1/4 CC	3415060125HF	\$ 93.40
				1 1/4 NPT	3415060125HG	
				1 1/2 CC	3415060150HH	
				1 1/2 NPT	3415060150HI	
				2 CC	3415060200HJ	
				2 NPT	3415060200HK	
6C	150	6.63 - 6.90	168 - 175	1/2 NPT	341506C005HO	\$ 79.70
				3/4 CC	341506C075HB	
				3/4 NPT	341506C075HC	
				1 CC	341506C100HD	
				1 NPT	341506C100HE	
				1 1/4 CC	341506C125HF	\$ 93.40
				1 1/4 NPT	341506C125HG	
				1 1/2 CC	341506C150HH	
				1 1/2 NPT	341506C150HI	
				2 CC	341506C200HJ	
				2 NPT	341506C200HK	
6 - 8	150 - 200	7.69 - 8.72	195 - 222	1/2 NPT	3415068005HO	\$ 93.10
				3/4 CC	3415068075HB	
				3/4 NPT	3415068075HC	
				1 CC	3415068100HD	
				1 NPT	3415068100HE	
				1 1/4 CC	3415068125HF	\$ 111.20
				1 1/4 NPT	3415068125HG	
				1 1/2 CC	3415068150HH	
				1 1/2 NPT	3415068150HI	
				2 CC	3415068200HJ	
				2 NPT	3415068200HK	
8A	200	8.63 - 9.05	219 - 229	1/2 NPT	341508A005HO	\$ 94.20
				3/4 CC	341508A075HB	
				3/4 NPT	341508A075HC	
				1 CC	341508A100HD	
				1 NPT	341508A100HE	
				1 1/4 CC	341508A125HF	\$ 112.10
				1 1/4 NPT	341508A125HG	
				1 1/2 CC	341508A150HH	
				1 1/2 NPT	341508A150HI	
				2 CC	341508A200HJ	
				2 NPT	341508A200HK	

3415DI DUCTILE IRON SADDLE SINGLE STRAP

Nominal Pipe Size		Pipe OD Range		outlet size	Part Number	List Price
Inches	MM	Inches	MM			
8 - 10	200 - 250	8.54 - 10.10	217 - 257	1/2 NPT	3415080005HO	\$ 94.70
				3/4 CC	3415080075HB	
				3/4 NPT	3415080075HC	
				1 CC	3415080100HD	
				1 NPT	3415080100HE	
				1 1/4 CC	3415080125HF	\$ 112.50
				1 1/4 NPT	3415080125HG	
				1 1/2 CC	3415080150HH	
				1 1/2 NPT	3415080150HI	
				2 CC	3415080200HJ	
10 - 12	250 - 300	10.64 - 12.12	270 - 308	2 NPT	3415080200HK	\$ 103.40
				1/2 NPT	3415100005HO	
				3/4 CC	3415100075HB	
				3/4 NPT	3415100075HC	
				1 CC	3415100100HD	
				1 NPT	3415100100HE	\$ 126.30
				1 1/4 CC	3415100125HF	
				1 1/4 NPT	3415100125HG	
				1 1/2 CC	3415100150HH	
				1 1/2 NPT	3415100150HI	
12 - 14	300 - 350	12.62 - 14.32	321 - 364	2 CC	3415100200HJ	\$ 119.60
				2 NPT	3415100200HK	
				1/2 NPT	3415120005HO	
				3/4 CC	3415120075HB	
				3/4 NPT	3415120075HC	
				1 CC	3415120100HD	\$ 146.90
				1 NPT	3415120100HE	
				1 1/4 CC	3415120125HF	
				1 1/4 NPT	3415120125HG	
				1 1/2 CC	3415120150HH	
				1 1/2 NPT	3415120150HI	
				2 CC	3415120200HJ	
				2 NPT	3415120200HK	

HOW TO ORDER: Choose nominal pipe size x outlet size and thread configuration. **EXAMPLE:** 4" Ductile Iron O.D. 4.80 with 3/4 CC outlet. Order 3415 4-5 x 3/4 CC. **Part Number:** 3415040075HB .

NOTE: Please advise when saddles are being ordered for use on C900 pipe.

Manufacturer Suggestion: For PVC pipe applications, order saddle which has OD of pipe at the top of the range.



COATING OPTION: Anti-Seizing/Galling protection. Available for both Alloy and SST application. Inquire with sales for cost and availability

3417DI DUCTILE IRON SADDLE WITH STRAPS

BODY CASTING: Ductile Iron per ASTM A536.

STRAPS: Type 304 (18-8) Stainless Steel per ASTM A240.

STUD BOLTS: Type 304 (18-8) Stainless Steel per ASTM A193.

NUTS: Type 304 (18-8) Stainless Steel per ASTM A194. **NOTE:** Hex nuts are furnished with fusion bonded coating to prevent seizing and/or galling.

GASKET: NBR per ASTM D2000 with Unique dual O-Ring design permanently bonded in recessed casting, with a temperature range of -25°F to +248°F.

FINISH: Epoxy.



Nominal Pipe Size		Pipe OD Range		Letter code	Outlet Size	Part Number	List Price
Inches	MM	Inches	MM				
2	50	2.38 - 2.50	61 - 64	A	1/2 NPT	341702A005H0	\$ 120.60
					3/4 CC	341702A075HB	
					3/4 NPT	341702A075HC	
					1 CC	341702A100HD	
					1 NPT	341702A100HE	
					1 1/4 CC	341702A125HF	\$ 127.40
					1 1/4 NPT	341702A125HG	
					1 1/2 NPT	341703A150HH	
3	80	3.50	89	A	1/2 NPT	341703A005H0	\$ 122.10
					3/4 CC	341703A075HB	
					3/4 NPT	341703A075HC	
					1 CC	341703A100HD	
					1 NPT	341703A100HE	
					1 1/4 CC	341703A125HF	\$ 131.80
					1 1/4 NPT	341703A125HG	
					1 1/2 CC	341703A150HH	
					1 1/2 NPT	341703A150HI	
		3.45 - 4.05	88 - 103	B	1/2 NPT	341703B005H0	\$ 115.90
					3/4 CC	341703B075HB	
					3/4 NPT	341703B075HC	
					1 CC	341703B100HD	
					1 NPT	341703B100HE	
					1 1/4 CC	341703B125HF	\$ 137.10
					1 1/4 NPT	341703B125HG	
					1 1/2 CC	341703B150HH	
					1 1/2 NPT	341703B150HI	

3417DI DUCTILE IRON SADDLE WITH STRAPS

Nominal Pipe Size		Pipe OD Range		Letter code	Outlet Size	Part Number	List Price
Inches	MM	Inches	MM				
4	100	4.00 - 4.50	102 - 114	A	1/2 NPT	341704A005HO	\$ 115.90
					3/4 CC	341704A075HB	
					3/4 NPT	341704A075HC	
					1 CC	341704A100HD	
					1 NPT	341704A100HE	
					1 1/4 CC	341704A125HF	\$ 137.00
					1 1/4 NPT	341704A125HG	
					1 1/2 CC	341704A150HH	
					1 1/2 NPT	341704A150HI	
					2 CC	341704A200HJ	
4	100	4.74 - 5.63	120 - 143	B	2 NPT	341704A200HK	\$ 115.90
					1/2 NPT	341704B005HO	
					3/4 CC	341704B075HB	
					3/4 NPT	341704B075HC	
					1 CC	341704B100HD	
		4.74 - 5.14	120 - 131	C	1 NPT	341704B100HE	\$ 139.50
					1 1/4 CC	341704C125HF	
					1 1/4 NPT	341704C125HG	
					1 1/2 CC	341704C150HH	
					1 1/2 NPT	341704C150HI	
6	150	6.00 - 6.63	152 - 168	A	2 CC	341704C200HJ	\$ 133.10
					2 NPT	341704C200HK	
					1/2 NPT	341706A005HO	
					3/4 CC	341706A075HB	
					3/4 NPT	341706A075HC	
					1 CC	341706A100HD	
					1 NPT	341706A100HE	
					1 1/4 CC	341706A125HF	\$ 157.00
					1 1/4 NPT	341706A125HG	
					1 1/2 CC	341706A150HH	
					1 1/2 NPT	341706A150HI	
		6.84 - 7.64	174 - 194	B	2 CC	341706A200HJ	\$ 133.10
					2 NPT	341706A200HK	
					1/2 NPT	341706B005HO	
					3/4 CC	341706B075HB	
					3/4 NPT	341706B075HC	
					1 CC	341706B100HD	
					1 NPT	341706B100HE	
					1 1/4 CC	341706B125HF	\$ 159.50
					1 1/4 NPT	341706B125HG	
					1 1/2 CC	341706B150HH	
					1 1/2 NPT	341706B150HI	
					2 CC	341706B200HJ	\$ 159.50
					2 NPT	341706B200HK	

3417DI DUCTILE IRON SADDLE WITH STRAPS

Nominal Pipe Size		Pipe OD Range		Letter code	Outlet Size	Part Number	List Price
Inches	MM	Inches	MM				
6	150	6.63 - 6.90	168 - 175	C	1/2 NPT	341706C005HO	\$ 133.10
					3/4 CC	341706C075HB	
					3/4 NPT	341706C075HC	
					1 CC	341706C100HD	
					1 NPT	341706C100HE	
					1 1/4 CC	341706C125HF	\$ 159.50
					1 1/4 NPT	341706C125HG	
					1 1/2 CC	341706C150HH	
					1 1/2 NPT	341706C150HI	
					2 CC	341706C200HJ	
					2 NPT	341706C200HK	
8	200	8.00 - 8.63	203 - 219	A	1/2 NPT	341708A005HO	\$ 154.80
					3/4 CC	341708A075HB	
					3/4 NPT	341708A075HC	
					1 CC	341708A100HD	
					1 NPT	341708A100HE	
					1 1/4 CC	341708A125HF	\$ 164.00
					1 1/4 NPT	341708A125HG	
					1 1/2 CC	341708A150HH	
					1 1/2 NPT	341708A150HI	
					2 CC	341708A200HJ	
					2 NPT	341708A200HK	
		8.54 - 10.10	216 - 257	B	1/2 NPT	341708B005HO	\$ 157.40
					3/4 CC	341708B075HB	
					3/4 NPT	341708B075HC	
					1 CC	341708B100HD	
					1 NPT	341708B100HE	
					1 1/4 CC	341708B125HF	\$ 185.70
					1 1/4 NPT	341708B125HG	
					1 1/2 CC	341708B150HH	
					1 1/2 NPT	341708B150HI	
					2 CC	341708B200HJ	
					2 NPT	341708B200HK	
		8.63 - 9.05	219 - 229	C	1/2 NPT	341708C005HO	\$ 157.40
					3/4 CC	341708C075HB	
					3/4 NPT	341708C075HC	
					1 CC	341708C100HD	
					1 NPT	341708C100HE	
					1 1/4 CC	341708C125HF	\$ 185.70
					1 1/4 NPT	341708C125HG	
					1 1/2 CC	341708C150HH	
					1 1/2 NPT	341708C150HI	
					2 CC	341708C200HJ	
					2 NPT	341708C200HK	

3417DI DUCTILE IRON SADDLE WITH STRAPS

Nominal Pipe Size		Pipe OD Range		Letter code	Outlet Size	Part Number	List Price
Inches	MM	Inches	MM				
10	250	10.00 - 11.10	254 - 282	A	1/2 NPT	341710A005HO	\$ 186.90
					3/4 CC	341710A075HB	
					3/4 NPT	341710A075HC	
					1 CC	341710A100HD	
					1 NPT	341710A100HE	
					1 1/4 CC	341710A125HF	\$ 216.80
					1 1/4 NPT	341710A125HG	
					1 1/2 CC	341710A150HH	
					1 1/2 NPT	341710A150HI	
					2 CC	341710A200HJ	
10	250	10.64 - 12.12	270 - 308	B	2 NPT	341710A200HK	\$ 186.90
					1/2 NPT	341710B005HO	
					3/4 CC	341710B075HB	
					3/4 NPT	341710B075HC	
					1 CC	341710B100HD	
					1 NPT	341710B100HE	\$ 216.80
					1 1/4 CC	341710B125HF	
					1 1/4 NPT	341710B125HG	
					1 1/2 CC	341710B150HH	
					1 1/2 NPT	341710B150HI	
12	300	12.00 - 13.20	305 - 335	A	2 CC	341710B200HJ	\$ 186.90
					2 NPT	341710B200HK	
					1/2 NPT	341712A005HO	\$ 217.60
					3/4 CC	341712A075HB	
					3/4 NPT	341712A075HC	
					1 CC	341712A100HD	
					1 NPT	341712A100HE	\$ 249.20
					1 1/4 CC	341712A125HF	
					1 1/4 NPT	341712A125HG	
					1 1/2 CC	341712A150HH	
					1 1/2 NPT	341712A150HI	
		12.62 - 14.32	321 - 364	B	2 CC	341712A200HJ	\$ 217.60
					2 NPT	341712A200HK	
					1/2 NPT	341712B005HO	
					3/4 CC	341712B075HB	
					3/4 NPT	341712B075HC	
					1 CC	341712B100HD	\$ 249.20
					1 NPT	341712B100HE	
					1 1/4 CC	341712B125HF	
					1 1/4 NPT	341712B125HG	
					1 1/2 CC	341712B150HH	
					1 1/2 NPT	341712B150HI	
					2 CC	341712B200HJ	
					2 NPT	341712B200HK	

3417DI DUCTILE IRON SADDLE WITH STRAPS

Nominal Pipe Size		Pipe OD Range		Letter code	Outlet Size	Part Number	List Price
Inches	MM	Inches	MM				
12 - 14	300 - 350	14.73 - 15.65	374 - 398	A	1/2 NPT	3417121405HO	\$ 253.60
					3/4 CC	34171214075HB	
					3/4 NPT	34171214075HC	
					1 CC	34171214100HD	
					1 NPT	34171214100HE	
					1 1/4 CC	34171214125HF	\$ 270.00
					1 1/4 NPT	34171214125HG	
					1 1/2 CC	34171214150HH	
					1 1/2 NPT	34171214150HI	
					2 CC	34171214200HJ	
16 - 18	400 - 450	17.40 - 18.88	442 - 480	A	2 NPT	34171214200HK	\$ 313.00
					1/2 NPT	341716A005HO	
					3/4 CC	341716A075HB	
					3/4 NPT	341716A075HC	
					1 CC	341716A100HD	
					1 NPT	341716A100HE	\$ 334.60
					1 1/4 CC	341716A125HF	
					1 1/4 NPT	341716A125HG	
					1 1/2 CC	341716A150HH	
					1 1/2 NPT	341716A150HI	
18	450	19.50	495	A	2 CC	341716A200HJ	\$ 404.90
					2 NPT	341716A200HK	
					1/2 NPT	341718A005HO	
					3/4 CC	341718A075HB	
					3/4 NPT	341718A075HC	\$ 426.90
					1 CC	341718A100HD	
					1 NPT	341718A100HE	
					1 1/4 CC	341718A125HF	
					1 1/4 NPT	341718A125HG	
					1 1/2 CC	341718A150HH	
20	500	21.60	549	A	1 1/2 NPT	341718A150HI	\$ 465.60
					2 CC	341718A200HJ	
					2 NPT	341718A200HK	
					1/2 NPT	341720A005HO	\$ 487.70
					3/4 CC	341720A075HB	
					3/4 NPT	341720A075HC	
					1 CC	341720A100HD	
					1 NPT	341720A100HE	
					1 1/4 CC	341720A125HF	
					1 1/4 NPT	341720A125HG	
					1 1/2 CC	341720A150HH	
					1 1/2 NPT	341720A150HI	
					2 CC	341720A200HJ	
					2 NPT	341720A200HK	

3417DI DUCTILE IRON SADDLE WITH STRAPS

Nominal Pipe Size		Pipe OD Range		Letter code	Outlet Size	Part Number	List Price
Inches	MM	Inches	MM				
24	600	25.80	655	A	1/2 NPT	341724A005HO	\$ 542.90
					3/4 CC	341724A075HB	
					3/4 NPT	341724A075HC	
					1 CC	341724A100HD	
					1 NPT	341724A100HE	
					1 1/4 CC	341724A125HF	\$ 564.90
					1 1/4 NPT	341724A125HG	
					1 1/2 CC	341724A150HH	
					1 1/2 NPT	341724A150HI	
					2 CC	341724A200HJ	
					2 NPT	341724A200HK	

HOW TO ORDER: Choose nominal pipe size x outlet size and thread configuration.

EXAMPLE: 4" Ductile Iron O.D. 4.80 with 3/4 CC outlet. Order 3417 - 4B x 3/4 CC Epoxy. **Part Number:** 341704B075HB

NOTE: Please advise when saddles are being ordered for use on C900 pipe.

Manufacturer Suggestion: For PVC pipe applications, order saddle which has OD of pipe at the top of the range.



COATING OPTION: Anti-Seizing/Galling protection. Available for both Alloy and SST application. Inquire with sales for cost and availability

3417SW DUCTILE IRON SADDLE WITH SINGLE WIDE STRAP

BODY CASTING: Ductile Iron per ASTM A536.

STRAP: Type 304 (18-8) Stainless Steel per ASTM A240.

STUD BOLTS: Type 304 (18-8) Stainless Steel per ASTM A193.

NUTS: Type 304 (18-8) Stainless Steel per ASTM A194. **NOTE:** Hex nuts are furnished with fusion bonded coating to prevent seizing and/or galling.

GASKET: NBR per ASTM D2000 with Unique dual O-Ring design permanently bonded in recessed casting, with a temperature range of -25°F to +248°F.

FINISH: Epoxy.



Nominal Pipe Size		Pipe OD Range		Letter Code	Outlet Size	Part Number	List Price
Inches	MM	Inches	MM				
2	50	2.38 - 2.50	61 - 64	A	1/2 NPT	341702A005H0-SW	\$ 115.90
					3/4 CC	341702A075HB-SW	
					3/4 NPT	341702A075HC-SW	
					1 CC	341702A100HD-SW	
					1 NPT	341702A100HE-SW	
					1 1/4 CC	341702A125HF-SW	\$ 138.00
					1 1/4 NPT	341702A125HG-SW	
					1 1/2 NPT	341702A150HH-SW	
3	80	3.50	89	A	1/2 NPT	341703A005H0-SW	\$ 116.40
					3/4 CC	341703A075HB-SW	
					3/4 NPT	341703A075HC-SW	
					1 CC	341703A100HD-SW	
					1 NPT	341703A100HE-SW	
					1 1/4 CC	341703A125HF-SW	\$ 138.80
					1 1/4 NPT	341703A125HG-SW	
					1 1/2 CC	341703A150HH-SW	
					1 1/2 NPT	341703A150HI-SW	
					2 NPT	341703A200HK-SW	
		3.45 - 4.05	88 - 103	B	1/2 NPT	341703B005H0-SW	\$ 116.40
					3/4 CC	341703B075HB-SW	
					3/4 NPT	341703B075HC-SW	
					1 CC	341703B100HD-SW	
					1 NPT	341703B100HE-SW	
					1 1/4 CC	341703B125HF-SW	\$ 138.80
					1 1/4 NPT	341703B125HG-SW	
					1 1/2 CC	341703B150HH-SW	
					1 1/2 NPT	341703B150HI-SW	\$ 138.80
					2 NPT	341703B200HK-SW	

3417SW DUCTILE IRON SADDLE WITH SINGLE WIDE STRAP

Nominal Pipe Size		Pipe OD Range		Letter Code	Outlet Size	Part Number	List Price
Inches	MM	Inches	MM				
4	100	4.00 - 4.50	102 - 114	A	1/2 NPT	341704A005HO-SW	\$ 116.90
					3/4 CC	341704A075HB-SW	
					3/4 NPT	341704A075HC-SW	
					1 CC	341704A100HD-SW	
					1 NPT	341704A100HE-SW	
					1 1/4 CC	341704A125HF-SW	\$ 139.50
					1 1/4 NPT	341704A125HG-SW	
					1 1/2 CC	341704A150HH-SW	
					1 1/2 NPT	341704A150HI-SW	
					2 CC	341704A200HJ-SW	
					2 NPT	341704A200HK-SW	
4	100	4.74 - 5.63	120 - 143	B	1/2 NPT	341704B005HO-SW	\$ 116.90
					3/4 CC	341704B075HB-SW	
					3/4 NPT	341704B075HC-SW	
					1 CC	341704B100HD-SW	
					1 NPT	341704B100HE-SW	
		4.74 - 5.14	120 - 131	C	1 1/4 CC	341704C125HF-SW	\$ 139.50
					1 1/4 NPT	341704C125HG-SW	
					1 1/2 CC	341704C150HH-SW	
					1 1/2 NPT	341704C150HI-SW	
					2 CC	341704C200HJ-SW	
6	150	6.00 - 6.63	152 - 168	A	2 NPT	341704C200HK-SW	
					1/2 NPT	341706A005HO-SW	\$ 133.10
					3/4 CC	341706A075HB-SW	
					3/4 NPT	341706A075HC-SW	
					1 CC	341706A100HD-SW	
					1 NPT	341706A100HE-SW	
					1 1/4 CC	341706A125HF-SW	\$ 157.00
					1 1/4 NPT	341706A125HG-SW	
					1 1/2 CC	341706A150HH-SW	
					1 1/2 NPT	341706A150HI-SW	
		6.84 - 7.64	174 - 194	B	2 CC	341706A200HJ-SW	
					2 NPT	341706A200HK-SW	
					1/2 NPT	341706B005HO-SW	\$ 133.10
					3/4 CC	341706B075HB-SW	
					3/4 NPT	341706B075HC-SW	
					1 CC	341706B100HD-SW	
					1 NPT	341706B100HE-SW	
					1 1/4 CC	341706B125HF-SW	\$ 157.00
					1 1/4 NPT	341706B125HG-SW	
					1 1/2 CC	341706B150HH-SW	
					1 1/2 NPT	341706B150HI-SW	
					2 CC	341706B200HJ-SW	
					2 NPT	341706B200HK-SW	

3417SW DUCTILE IRON SADDLE WITH SINGLE WIDE STRAP

Nominal Pipe Size		Pipe OD Range		Letter Code	Outlet Size	Part Number	List Price
Inches	MM	Inches	MM				
6	150	6.63 - 6.90	168 - 175	C	1/2 NPT	341706C005HO-SW	\$ 133.10
					3/4 CC	341706C075HB-SW	
					3/4 NPT	341706C075HC-SW	
					1 CC	341706C100HD-SW	
					1 NPT	341706C100HE-SW	
					1 1/4 CC	341706C125HF-SW	\$ 157.00
					1 1/4 NPT	341706C125HG-SW	
					1 1/2 CC	341706C150HH-SW	
					1 1/2 NPT	341706C150HI-SW	
					2 CC	341706C200HJ-SW	
					2 NPT	341706C200HK-SW	
8	200	8.00 - 8.63	203 - 219	A	1/2 NPT	341708A005HO-SW	\$ 154.80
					3/4 CC	341708A075HB-SW	
					3/4 NPT	341708A075HC-SW	
					1 CC	341708A100HD-SW	
					1 NPT	341708A100HE-SW	
					1 1/4 CC	341708A125HF-SW	\$ 179.50
					1 1/4 NPT	341708A125HG-SW	
					1 1/2 CC	341708A150HH-SW	
					1 1/2 NPT	341708A150HI-SW	
					2 CC	341708A200HJ-SW	
					2 NPT	341708A200HK-SW	
		8.54 - 10.10	216 - 257	B	1/2 NPT	341708B005HO-SW	\$ 154.80
					3/4 CC	341708B075HB-SW	
					3/4 NPT	341708B075HC-SW	
					1 CC	341708B100HD-SW	
					1 NPT	341708B100HE-SW	
					1 1/4 CC	341708B125HF-SW	\$ 179.50
					1 1/4 NPT	341708B125HG-SW	
					1 1/2 CC	341708B150HH-SW	
					1 1/2 NPT	341708B150HI-SW	
					2 CC	341708B200HJ-SW	
					2 NPT	341708B200HK-SW	
8	200	8.63 - 9.05	219 - 229	C	1/2 NPT	341708C005HO-SW	\$ 154.80
					3/4 CC	341708C075HB-SW	
					3/4 NPT	341708C075HC-SW	
					1 CC	341708C100HD-SW	
					1 NPT	341708C100HE-SW	
					1 1/4 CC	341708C125HF-SW	\$ 179.50
					1 1/4 NPT	341708C125HG-SW	
					1 1/2 CC	341708C150HH-SW	
					1 1/2 NPT	341708C150HI-SW	
					2 CC	341708C200HJ-SW	
					2 NPT	341708C200HK-SW	

3417SW DUCTILE IRON SADDLE WITH SINGLE WIDE STRAP

Nominal Pipe Size		Pipe OD Range		Letter Code	Outlet Size	Part Number	List Price
Inches	MM	Inches	MM				
10	250	10.00 - 11.10	254 - 282	A	1/2 NPT	341710A005HO-SW	\$ 186.90
					3/4 CC	341710A075HB-SW	
					3/4 NPT	341710A075HC-SW	
					1 CC	341710A100HD-SW	
					1 NPT	341710A100HE-SW	
					1 1/4 CC	341710A125HF-SW	\$ 201.10
					1 1/4 NPT	341710A125HG-SW	
					1 1/2 CC	341710A150HH-SW	
					1 1/2 NPT	341710A150HI-SW	
					2 CC	341710A200HJ-SW	
10	250	10.64 - 12.12	270 - 308	B	2 NPT	341710A200HK-SW	\$ 186.90
					1/2 NPT	341710B005HO-SW	
					3/4 CC	341710B075HB-SW	
					3/4 NPT	341710B075HC-SW	
					1 CC	341710B100HD-SW	
					1 NPT	341710B100HE-SW	\$ 201.10
					1 1/4 CC	341710B125HF-SW	
					1 1/4 NPT	341710B125HG-SW	
					1 1/2 CC	341710B150HH-SW	
					1 1/2 NPT	341710B150HI-SW	
12	300	12.00 - 13.20	305 - 335	A	2 CC	341710B200HJ-SW	\$ 217.60
					2 NPT	341710B200HK-SW	
					1/2 NPT	341712A005HO-SW	
					3/4 CC	341712A075HB-SW	
					3/4 NPT	341712A075HC-SW	\$ 233.00
					1 CC	341712A100HD-SW	
					1 NPT	341712A100HE-SW	
					1 1/4 CC	341712A125HF-SW	
					1 1/4 NPT	341712A125HG-SW	
					1 1/2 CC	341712A150HH-SW	
12	300	12.62 - 14.32	321 - 364	B	1 1/2 NPT	341712A150HI-SW	\$ 217.60
					2 CC	341712A200HJ-SW	
					2 NPT	341712A200HK-SW	
					1/2 NPT	341712B005HO-SW	\$ 233.00
					3/4 CC	341712B075HB-SW	
					3/4 NPT	341712B075HC-SW	
					1 CC	341712B100HD-SW	
					1 NPT	341712B100HE-SW	
					1 1/4 CC	341712B125HF-SW	
					1 1/4 NPT	341712B125HG-SW	
					1 1/2 CC	341712B150HH-SW	\$ 233.00
					1 1/2 NPT	341712B150HI-SW	
					2 CC	341712B200HJ-SW	
					2 NPT	341712B200HK-SW	

3417SW DUCTILE IRON SADDLE WITH SINGLE WIDE STRAP

Nominal Pipe Size		Pipe OD Range		Letter Code	Outlet Size	Part Number	List Price
Inches	MM	Inches	MM				
12 - 14	300 - 350	14.73 - 15.65	374 - 398	A	1/2 NPT	34171214005HO-SW	\$ 245.20
					3/4 CC	34171214075HB-SW	
					3/4 NPT	34171214075HC-SW	
					1 CC	34171214100HD-SW	
					1 NPT	34171214100HE-SW	
					1 1/4 CC	34171214125HF-SW	\$ 263.20
					1 1/4 NPT	34171214125HG-SW	
					1 1/2 CC	34171214150HH-SW	
					1 1/2 NPT	34171214150HI-SW	
					2 CC	34171214200HJ-SW	
16 - 18	400 - 450	17.40 - 18.88	442 - 480	A	2 NPT	34171214200HK-SW	\$ 300.20
					1/2 NPT	341716A005HO-SW	
					3/4 CC	341716A075HB-SW	
					3/4 NPT	341716A075HC-SW	
					1 CC	341716A100HD-SW	
					1 NPT	341716A100HE-SW	\$ 331.30
					1 1/4 CC	341716A125HF-SW	
					1 1/4 NPT	341716A125HG-SW	
					1 1/2 CC	341716A150HH-SW	
					1 1/2 NPT	341716A150HI-SW	
18	450	19.50	495	A	2 CC	341716A200HJ-SW	\$ 353.20
					2 NPT	341716A200HK-SW	
					1/2 NPT	341718A005HO-SW	
					3/4 CC	341718A075HB-SW	
					3/4 NPT	341718A075HC-SW	
					1 CC	341718A100HD-SW	\$ 378.10
					1 NPT	341718A100HE-SW	
					1 1/4 CC	341718A125HF-SW	
					1 1/4 NPT	341718A125HG-SW	
					1 1/2 CC	341718A150HH-SW	
					1 1/2 NPT	341718A150HI-SW	\$ 378.10
					2 CC	341718A200HJ-SW	
					2 NPT	341718A200HK-SW	

3417SW DUCTILE IRON SADDLE WITH SINGLE WIDE STRAP

Nominal Pipe Size		Pipe OD Range		Letter Code	Outlet Size	Part Number	List Price
Inches	MM	Inches	MM				
20	500	21.60	549	A	1/2 NPT	341720A005HO-SW	\$ 415.50
					3/4 CC	341720A075HB-SW	
					3/4 NPT	341720A075HC-SW	
					1 CC	341720A100HD-SW	
					1 NPT	341720A100HE-SW	
					1 1/4 CC	341720A125HF-SW	\$ 445.80
					1 1/4 NPT	341720A125HG-SW	
					1 1/2 CC	341720A150HH-SW	
					1 1/2 NPT	341720A150HI-SW	
					2 CC	341720A200HJ-SW	
24	600	25.80	655	A	2 NPT	341720A200HK-SW	\$ 488.90
					1/2 NPT	341724A005HO-SW	
					3/4 CC	341724A075HB-SW	
					3/4 NPT	341724A075HC-SW	
					1 CC	341724A100HD-SW	
					1 NPT	341724A100HE-SW	\$ 524.40
					1 1/4 CC	341724A125HF-SW	
					1 1/4 NPT	341724A125HG-SW	
					1 1/2 CC	341724A150HH-SW	
					1 1/2 NPT	341724A150HI-SW	
					2 CC	341724A200HJ-SW	
					2 NPT	341724A200HK-SW	

HOW TO ORDER: Choose nominal pipe size x outlet size and thread configuration. **EXAMPLE:** 4" Ductile Iron O.D. 4.80 with 3/4 CC outlet. Order 3417SW - 4B x 3/4 CC. **Part Number:** 341704B075HB-SW .

NOTE: Please advise when saddles are being ordered for use on C900 pipe.

Manufacturer Suggestion: For PVC pipe applications, order saddle which has OD of pipe at the top of the range.

* Please advise factory at time of ordering when to be used on PVC pipe.

SEWER SADDLE

BODY CASTING: Ductile Iron per ASTM A536.

ADJUSTABLE STRAP: 3 1/2" wide, type 304 (18-8) Stainless Steel per ASTM A240.

STUD BOLTS: 1/2" UNC threads. Type 304 (18-8) Stainless Steel per ASTM A193.

NUTS: Type 304 (18-8) Stainless Steel per ASTM A194. NOTE: Hex nuts are furnished with fusion bonded coating to prevent seizing and/or galling.

WASHERS: Type 304 Stainless steel per ASTM A 240.

GASKET: SBR per ASTM D2000 with a large profile, which allows for a greater range of use and allows for earth movement, and built in pipe stop to prevent line stoppage due to pipe insertion into main.

FINISH: Epoxy.



Nominal Branch Size	Nominal Pipe Size	Pipe OD Range	Branch Type	Branch O.D	Part Number	List Price	Add-on Epoxy	Add-on Epoxy	
4"	6"-12" 48" Strap	6.27-14.40 Regular Gasket	PVC Sewer	4.215	EL-4.215	\$137.60	\$41.90	10	
			Tyseal	4.28	EL-4.28				
			C.I. soil-No-Hub	4.38	EL-4.38				
			PVC	4.50	EL-4.50				
			Universal	4.20-4.80	EL-4.80UN *				
			Clay	5.00-5.38	EL-5.38 *				
	14"-24" 96" Strap	14.40-25.80 Large O.D Gasket	PVC Sewer	4.215	EL-4.215LS	\$175.00			
			Tyseal	4.28	EL-4.28LS				
			C.I. soil-No-Hub	4.38	EL-4.38LS				
			PVC	4.50	EL-4.50LS				
			Universal	4.20-4.80	EL-4.80UNLS *				
			Clay	5.00-5.38	EL-5.38XLS *				
	24"-48" 192" Strap	25.80-54.00 Large O.D Gasket	PVC Sewer	4.215	EL-4.215XLS	\$324.80			
			Tyseal	4.28	EL-4.28XLS				
			C.I. soil-No-Hub	4.38	EL-4.38XLS				
			PVC	4.50	EL-4.50XLS				
			Universal	4.20-4.80	EL-4.80UNXLS				
			Clay	5.00-5.38	EL-5.38XLS *				
6"	8"-12" 48" Strap	8.00-14.40 Regular Gasket	PVC Sewer C.I Soil-No Hub	6.27-6.30	EL-6.30	\$183.40	\$63.30	12	
			Universal	6.27-6.66	EL-6.66UN *				
			Cast Iron- D.I.	6.90	EL-6.90				
			Clay	7.19-8.00	EL-8.00 *				
	14"-24" 96" Strap	14.40-25.80 Large O.D Gasket	PVC Sewer C.I Soil-No Hub	6.27-6.30	EL-6.30LS	\$219.00			
			Universal	6.27-6.66	EL-6.66UNLS *				
			Cast Iron- D.I.	6.90	EL-6.90LS				
			Clay	7.19-8.00	EL-8.00LS *				
	24"-48" 192" Strap	25.80-54.00 Large O.D Gasket	PVC Sewer C.I Soil-No Hub	6.27-6.30	EL-6.30XLS	\$368.80			15
			Universal	6.27-6.66	EL-6.66UNXLS *				
			Cast Iron- D.I.	6.90	EL-6.90XLS				
			Clay	7.19-8.00	EL-8.00XLS *				

SEWER SADDLE**Repair Components**

Branch Size	Size	Gasket	Saddle Casting	Sliding Bolt	Hose Clamp	Strap
4"	6-12"	44.85	\$48.20	\$16.40	\$13.30	REG (48") \$44.50
	14-24"	61.20				
	24-48"W	61.20				LS (96") \$65.50
6"	8-12"	79.00	\$59.90	\$16.40	\$14.20	
	14-24"	93.60				
	24-48"	93.60				XLS (192") \$215.30

To Order: Specify catalog number. Example: To fit 4" branch to 6"-12" nominal pipe with branch 4.50", order EL-4.50LS

* EL Sewer -saddle for Universal and Clay pipe include stainless steel hose clamp

** Standard gaskets are NOT interchangeable with large gaskets.



PowerSeal

PIPELINE PRODUCTS CORPORATION



Sleeves
January 2015

3425 POWERSTOP SADDLE

(FOR COPPER, STEEL AND PVC PIPE)

PANEL & LIFTER BAR: Type 304 (18-8) Stainless Steel per ASTM A240.

GASKET: 3/16" thick gridded NBR per ASTM D2000 from 100% new rubber to ensure performance under varying pressures with superior storage characteristics. Suitable for mild acids, water and salt media with a temperature range of -25° to +248° F.

ARMOR PLATE: Type 304 (18-8) Stainless Steel per ASTM A240.

BOLTS & NUTS: Type 304 (18-8) Stainless Steel per ASTM A193 & A194. **NOTE:** Hex nuts are furnished with fusion bonded coating to prevent seizing and galling.

LUGS: Type 304 (18-8) Stainless Steel per ASTM A240.

WASHERS: Delrin per ASTM D6778.

OUTLET: Type 304 (18-8) Stainless Steel per ASTM A312.



Nominal Pipe Size		Letter Code	Pipe OD Range		Outlet Size MIP		Part Number	List Price
Inches	MM		Inches	MM	Inches	MM		
3/4	20		Copper Tubing OD					
		A	0.88	22	3/4	20	3425007A0000	\$ 298.20
			Steel Pipe OD		Outlet Size			
		B	1.05	26	3/4	20	3425007B0000	\$ 298.20
			Copper Tubing OD					
1	25	A	1.13	29	3/4	20	3425010A0000	\$ 304.30
		B			1	25	3425010B0000	\$ 328.70
			Steel Pipe OD		Outlet Size			
		C	1.32	34	3/4	20	3425010C0000	\$ 304.30
		D			1	25	3425010D0000	\$ 328.70
			Copper Tubing OD					
1 1/4	32	A	1.38	35	3/4	20	3425012A0000	\$ 310.40
		B			1	25	3425012B0000	\$ 333.40
		C			1 1/4	32	3425012C0000	\$ 368.60
			Steel Pipe OD		Outlet Size			
		AS	1.66	42	3/4	20	3425012A000S	\$ 310.40
		D			1	25	3425012D0000	\$ 333.40
		E			1 1/4	32	3425012E0000	\$ 368.60
			Copper Tubing OD		Outlet Size			
1 1/2	40	A	1.63	41	3/4	20	3425015A0000	\$ 316.60
		B			1	25	3425015B0000	\$ 395.90
		H			1 1/4	32	3425015H0000	\$ 411.50
		C			1 1/2	40	3425015C0000	\$ 419.10
			Steel Pipe OD		Outlet Size			
		AS	1.90	48	3/4	20	3425015A000S	\$ 316.60
		D			1	25	3425015D0000	\$ 395.90
		E			1 1/4	32	3425015E0000	\$ 411.50
		F			1 1/2	40	3425015F0000	\$ 419.10

3425 POWERSTOP SADDLE

Nominal Pipe Size		Letter Code	Pipe OD Range		Outlet Size MIP		Part Number	List Price
Inches	MM		Inches	MM	Inches	MM		
			Copper Tubing OD		Outlet Size			
2	50	A	2.13	54	3/4	20	3425020A0000	\$ 327.30
		B			1	25	3425020B0000	\$ 403.80
		H			1 1/4	32	3425020H0000	\$ 415.80
		C			1 1/2	40	3425020C0000	\$ 435.70
		D			2	50	3425020D0000	\$ 464.30
		Steel Pipe OD		Outlet Size				
		AS	2.38	60	3/4	20	3425020A000S	\$ 327.30
		E			1	25	3425020E0000	\$ 403.80
		I			1 1/4	32	3425020I0000	\$ 415.80
		F			1 1/2	40	3425020F0000	\$ 435.70
		G			2	50	3425020G0000	\$ 464.30
			Copper Tubing OD		Outlet Size			
2 1/2	65	A	2.63	67	3/4	20	3425025A0000	\$ 333.80
		B			1	25	3425025B0000	\$ 411.70
		K			1 1/4	32	3425025K0000	\$ 427.90
		J			1 1/2	40	3425025J0000	\$ 444.00
		C			2	40	3425025C0000	\$ 546.30
		D	2 1/2	50	3425025D0000	\$ 637.30		
		Steel Pipe OD		Outlet Size				
		AS	2.88	73	3/4	20	3425025A000S	\$ 333.80
		E			1	25	3425025E0000	\$ 411.70
		I			1 1/4	32	3425025I0000	\$ 427.90
		F			1 1/2	40	3425025F0000	\$ 444.00
G	2	50			3425025G0000	\$ 546.30		
H	2 1/2	65	3425025H0000	\$ 637.30				
			Copper Tubing OD		Outlet Size			
3	80	A	3.13	80	3/4	20	3425030A0000	\$ 340.50
		B			1	25	3425030B0000	\$ 420.10
		J			1 1/4	32	3425030J0000	\$ 436.50
		C			1 1/2	40	3425030C0000	\$ 452.90
		D			2	50	3425030D0000	\$ 557.20
		L			2 1/2	65	3425030L0000	\$ 650.30
		E			3	80	3425030E0000-12	\$ 675.50
		Steel Pipe OD		Outlet Size				
		AS	3.50	80	3/4	20	3425030A000S	\$ 340.50
		F			1	25	3425030F0000	\$ 420.10
		M			1 1/4	32	3425030M0000	\$ 436.50
G	1 1/2	40			3425030G0000	\$ 452.90		
H	2	50			3425030H0000	\$ 557.20		
K	2 1/2	65	3425030K0000	\$ 650.30				
I	3	80	3425030I0000-12	\$ 675.50				

3425 POWERSTOP SADDLE

Nominal Pipe Size		Letter Code	Pipe OD Range		Outlet Size MIP		Part Number	List Price
Inches	MM		Inches	MM	Inches	MM		
			Copper Tubing OD		Outlet Size			
4	100	A	4.13	105	3/4	20	3425040A0000	\$ 347.30
		B			1	25	3425040B0000	\$ 428.70
		L			1 1/4	32	3425040L0000	\$ 445.40
		C			1 1/2	40	3425040C0000	\$ 462.00
		D			2	50	3425040D0000	\$ 568.60
		M			2 1/2	65	3425040M0000	\$ 663.60
		E			3	80	3425040E0000-12	\$ 689.20
		F			4	100	3425040F0000-12	\$ 703.00
			Steel Pipe OD		Outlet Size			
4	100	AS	4.50	105	3/4	20	3425040A000S	\$ 347.30
		G			1	25	3425040G0000	\$ 428.70
		N			1 1/4	32	3425040N0000	\$ 445.40
		H			1 1/2	40	3425040H0000	\$ 462.00
		I			2	50	3425040I0000	\$ 568.60
		Q			2 1/2	65	3425040Q0000	\$ 663.60
		J			3	80	3425040J0000-12	\$ 689.20
		K			4	100	3425040K0000-12	\$ 703.00
			Copper Tubing OD		Outlet Size			
5	125	AS	5.13	130	3/4	20	3425050A000S	\$ 354.20
		A			1	25	3425050A0000	\$ 437.40
		N			1 1/4	32	3425050N0000	\$ 454.30
		B			1 1/2	40	3425050B0000	\$ 471.20
		C			2	50	3425050C0000	\$ 579.70
		E			2 1/2	65	3425050E0000	\$ 677.10
		D			3	80	3425050D0000-12	\$ 703.30
			Copper Tubing OD		Outlet Size			
6	150	AS	6.13	156	3/4	20	3425060A000S	\$ 361.40
		A			1	25	3425060A0000	\$ 446.30
		H			1 1/4	32	3425060H0000	\$ 463.60
		B			1 1/2	40	3425060B0000	\$ 480.80
		C			2	50	3425060C0000	\$ 591.50
		L			2 1/2	65	3425060L0000	\$ 690.90
		D			3	80	3425060D0000-12	\$ 717.70

CUSTOM SIZES AVAILABLE.

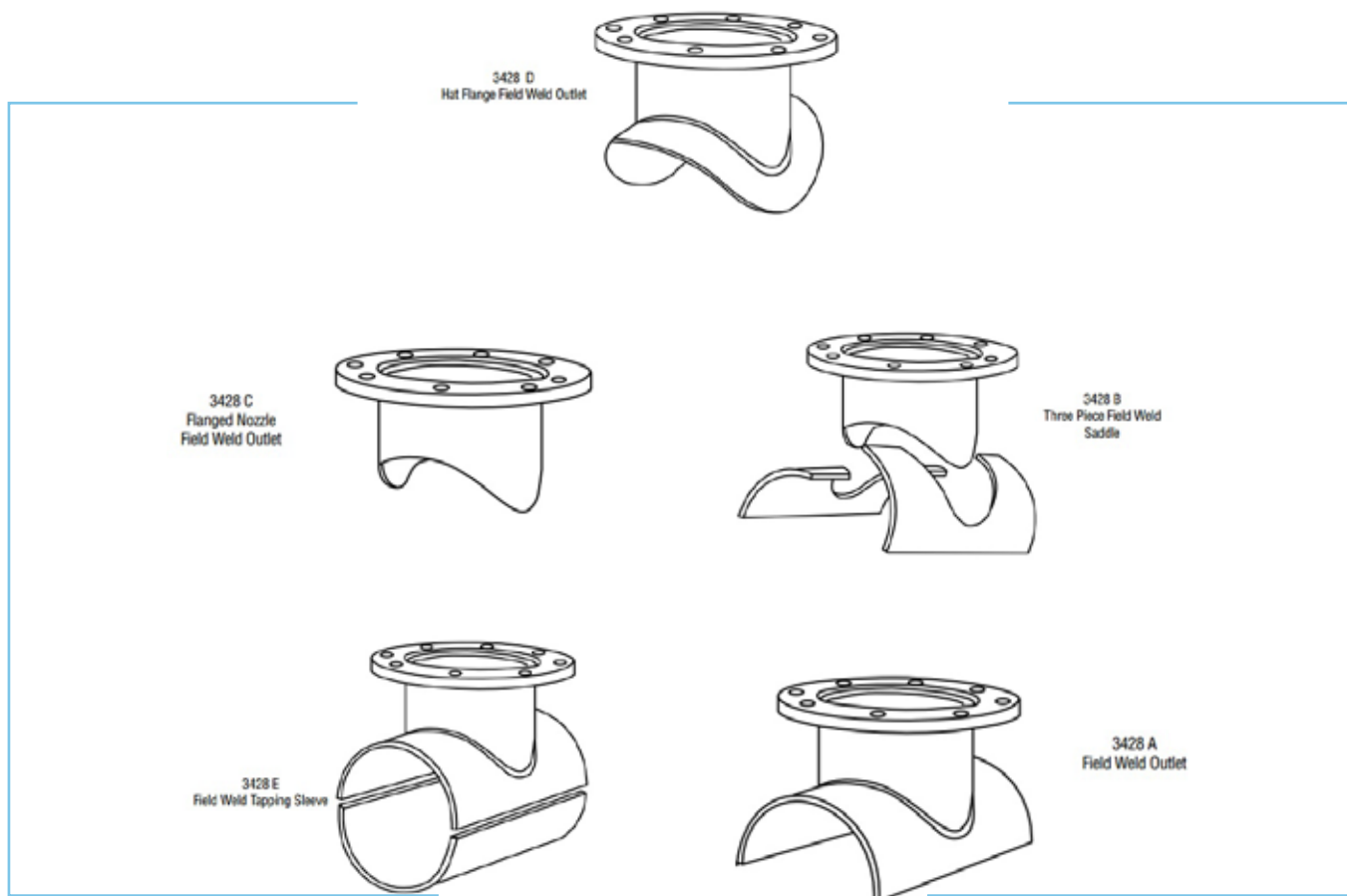
The Model 3425 is used for tapping water, sewage, and air systems. The PowerStop Saddle offers a wide range of tapping outlets including size-on-size for copper, steel, and PVC pipelines. Male NPT outlets are available in all standard pipe sizes and the entire fitting is fabricated from stainless steel. The patented complete circle gasket provides a safe and reliable seal while insulating the saddle from galvanic corrosion.

HOW TO ORDER: Specify Model Number, Pipe Size with Letter Code. EXAMPLE: 2" Copper Tubing O.D. 2.13 with 1" MIPT. Order 3425 - 2B. **Part Number:** 3425020B0000 .

3428 POWERSEAL TAP CONNECTIONS (FIELD WELD)

Weld-on outlets are reliable, fast and affordable with PS Field Weld connections.

Complete sleeves, partial sleeves, and outlets are available for steel pipe sizes 6" and above with size on size and reducing outlets. Other configurations of this design are available.



3431 STAINLESS STEEL TAPPING SLEEVE (FOR REINFORCED CONCRETE PIPE)

BODY AND OUTLET: Type 304 Stainless Steel per ASTM A240

FLANGE: Type 304 Stainless Steel per ASTM A240, ANSI Class 150 is standard, machined to be compatible with MSS-SSP 60

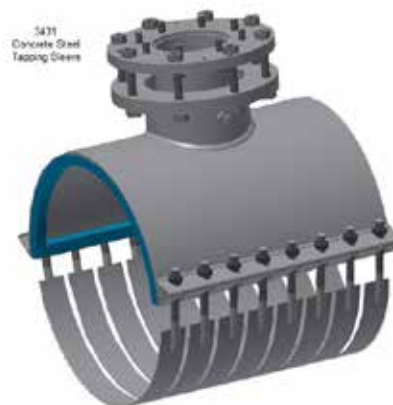
STRAPS: Type 304 Stainless Steel per ASTM A240, and Type 304 Stainless Steel Studs per ASTM A194

NUTS: Type 304 Stainless Steel per ASTM A194

OUTLET GASKET: SBR produced from 100% new rubber per ASTM D2000. Suitable for water and sewer applications with a temperature range of -40° to +150° F.

GROUT PIPES: Type 304 Stainless Steel per ASTM A312

GROUT SEAL: One inch square high density foam.



3460 FABRICATED CARBON STEEL TAP SLEEVE

FLANGE: Carbon Steel per ASTM A36 and AWWA C207.

PANEL: Carbon Steel per ASTM A36.

BRANCH GASKET: NBR per ASTM D2000.

BOLTS & NUTS: Low Alloy Steel per ASTM A325, ASTM A563, and AWWA C111. Or Type 304 (18-8) Stainless Steel per ASTM A193 and A194.

FINISH: Epoxy per AWWA C210.



Nominal Pipe Size		Letter Code	Pipe OD Range		BY	Branch Size		Bolts & Nuts: Low Alloy Steel		Bolts & Nuts: Stainless Steel		Weight	
Inches	MM		Inches	MM		Inches	MM	Part Number	List Price	Part Number	List Price	Lbs	Kgs
4	100	A	4.50	114	X	4	100	346004A040EO	\$ 660.10	346004A040ES	\$ 719.90	65	29
		B	4.80	122				346004B040EO		346004B040ES			
6	150	A	6.56-6.69	167-170	X	4	100	346006A040EO	\$ 604.20	346006A040ES	\$ 658.90	70	32
		B	6.83-7.16	173-182				346006B040EO		346006B040ES			
		C	7.05-7.40	179-188				346006C040EO		346006C040ES			
		D	7.40-7.73	188-196				346006D040EO		346006D040ES			
6	150	A	6.56-6.69	167-170	X	6	150	346006A060EO	\$ 708.30	346006A060ES	\$ 772.80	75	34
		B	6.83-7.16	173-182				346006B060EO		346006B060ES			
		C	7.05-7.40	179-188				346006C060EO		346006C060ES			
		D	7.40-7.73	188-196				346006D060EO		346006D060ES			
8	200	A	7.80-8.16	198-207	X	4	100	346008A040EO	\$ 657.50	346008A040ES	\$ 717.10	80	36
		B	8.53-8.72	217-221				346008B040EO		346008B040ES			
		C	8.98-9.37	228-238				346008C040EO		346008C040ES			
		D	9.27-9.69	235-246				346008D040EO		346008D040ES			
8	200	A	7.80-8.16	198-207	X	6	150	346008A060EO	\$ 718.50	346008A060ES	\$ 783.60	90	41
		B	8.53-8.72	217-221				346008B060EO		346008B060ES			
		C	8.98-9.37	228-238				346008C060EO		346008C060ES			
		D	9.27-9.69	235-246				346008D060EO		346008D060ES			
8	200	A	7.80-8.16	198-207	X	8	200	346008A080EO	\$ 901.20	346008A080ES	\$ 982.90	115	52
		B	8.53-8.72	217-221				346008B080EO		346008B080ES			
		C	8.98-9.37	228-238				346008C080EO		346008C080ES			
		D	9.27-9.69	235-246				346008D080EO		346008D080ES			
10	250	A	9.83-10.25	250-260	X	4	100	346010A040EO	\$ 662.60	346010A040ES	\$ 722.60	80	36
		B	10.64-10.86	270-276				346010B040EO		346010B040ES			
		C	11.03-11.47	280-291				346010C040EO		346010C040ES			
		D	11.36-11.80	289-300				346010D040EO		346010D040ES			
		E	11.76-12.24	299-311				346010E040EO		346010E040ES			
10	250	A	9.83-10.25	250-260	X	6	150	346010A060EO	\$ 738.80	346010A060ES	\$ 805.70	95	43
		B	10.64-10.86	270-276				346010B060EO		346010B060ES			
		C	11.03-11.47	280-291				346010C060EO		346010C060ES			
		D	11.36-11.80	289-300				346010D060EO		346010D060ES			
		E	11.76-12.24	299-311				346010E060EO		346010E060ES			

3460 FABRICATED CARBON STEEL TAP SLEEVE

Nominal Pipe Size		Letter Code	Pipe OD Range		BY	Branch Size Size		Bolts & Nuts: Low Alloy Steel		Bolts & Nuts: Stainless Steel		Weight	
Inches	MM		Inches	MM		Inches	MM	Part Number	List Price	Part Number	List Price	Lbs	Kgs
10	250	A	9.83-10.25	250-260	X	8	200	346010A080EO	\$ 964.70	346010A080ES	\$ 1,021.60	125	57
		B	10.64-10.86	270-276				346010B080EO		346010B080ES			
		C	11.03-11.47	280-291				346010C080EO		346010C080ES			
		D	11.36-11.80	289-300				346010D080EO		346010D080ES			
		E	11.76-12.24	299-311				346010E080EO		346010E080ES			
10	250	B	10.64-10.86	270-276	X	10	250	346010B100EO	\$ 1,221.10	346010B100ES	\$ 1,331.70	140	64
		C	11.03-11.47	280-291				346010C100EO		346010C100ES			
		D	11.36-11.80	289-300				346010D100EO		346010D100ES			
		E	11.76-12.24	299-311				346010E100EO		346010E100ES			
12	300	A	12.62-12.88	321-327	X	4	100	346012A040EO	\$ 715.90	346012A040ES	\$ 780.80	95	43
		B	13.13-13.60	334-345				346012B040EO		346012B040ES			
		C	13.60-14.09	345-358				346012C040EO		346012C040ES			
		D	14.09-14.56	358-370				346012D040EO		346012D040ES			
12	300	A	12.62-12.88	321-327	X	6	150	346012A060EO	\$ 781.90	346012A060ES	\$ 852.80	105	48
		B	13.13-13.60	334-345				346012B060EO		346012B060ES			
		C	13.60-14.09	345-358				346012C060EO		346012C060ES			
		D	14.09-14.56	358-370				346012D060EO		346012D060ES			
12	300	A	12.62-12.88	321-327	X	8	200	346012A080EO	\$ 995.20	346012A080ES	\$ 1,085.30	135	61
		B	13.13-13.60	334-345				346012B080EO		346012B080ES			
		C	13.60-14.09	345-358				346012C080EO		346012C080ES			
		D	14.09-14.56	358-370				346012D080EO		346012D080ES			
12	300	A	12.62-12.88	321-327	X	10	250	346012A100EO	\$ 1,370.90	346012A100ES	\$ 1,495.10	170	77
		B	13.13-13.60	334-345				346012B100EO		346012B100ES			
		C	13.60-14.09	345-358				346012C100EO		346012C100ES			
		D	14.09-14.56	358-370				346012D100EO		346012D100ES			
12	300	A	12.62-12.88	321-327	X	12	300	346012A120EO	\$ 1,510.50	346012A120ES	\$ 1,647.30	200	91
		B	13.13-13.60	334-345				346012B120EO		346012B120ES			
		C	13.60-14.09	345-358				346012C120EO		346012C120ES			
		D	14.09-14.56	358-370				346012D120EO		346012D120ES			
14	350	A	14.59-15.08	371-383	X	4	100	346014A040EO	\$ 748.90	346014A040ES	\$ 816.80	110	50
		B	15.23-15.80	387-401				346014B040EO		346014B040ES			
		C	15.73-16.22	400-412				346014C040EO		346014C040ES			
		D	16.30-16.73	414-425				346014D040EO		346014D040ES			
14	350	A	14.59-15.08	371-383	X	6	150	346014A060EO	\$ 835.30	346014A060ES	\$ 910.90	115	52
		B	15.23-15.80	387-401				346014B060EO		346014B060ES			
		C	15.73-16.22	400-412				346014C060EO		346014C060ES			
		D	16.30-16.73	414-425				346014D060EO		346014D060ES			
14	350	A	14.59-15.08	371-383	X	8	200	346014A080EO	\$ 1,056.10	346014A080ES	\$ 1,151.80	145	66
		B	15.23-15.80	387-401				346014B080EO		346014B080ES			
		C	15.73-16.22	400-412				346014C080EO		346014C080ES			
		D	16.30-16.73	414-425				346014D080EO		346014D080ES			

3460 FABRICATED CARBON STEEL TAP SLEEVE

Nominal Pipe Size		Letter Code	Pipe OD Range		BY	Branch Size		Bolts & Nuts: Low Alloy Steel		Bolts & Nuts: Stainless Steel		Weight	
Inches	MM		Inches	MM		Inches	MM	Part Number	List Price	Part Number	List Price	Lbs	Kgs
14	350	A	14.59-15.08	371-383	X	10	250	346014A100EO	\$ 1,434.30	346014A100ES	\$ 1,564.20	205	93
		B	15.23-15.80	387-401				346014B100EO		346014B100ES			
		C	15.73-16.22	400-412				346014C100EO		346014C100ES			
		D	16.30-16.73	414-425				346014D100EO		346014D100ES			
14	350	A	14.59-15.08	371-383	X	12	300	346014A120EO	\$ 1,566.50	346014A120ES	\$ 1,719.30	230	104
		B	15.23-15.80	387-401				346014B120EO		346014B120ES			
		C	15.73-16.22	400-412				346014C120EO		346014C120ES			
		D	16.30-16.73	414-425				346014D120EO		346014D120ES			
16	400	A	16.74-17.26	425-438	X	4	100	346016A040EO	\$ 794.50	346016A040ES	\$ 866.50	115	52
		B	17.33-17.87	440-454				346016B040EO		346016B040ES			
		C	17.88-18.43	473-487				346016C040EO		346016C040ES			
		D	18.62-19.19	454-468				346016D040EO		346016D040ES			
16	400	A	16.74-17.26	425-438	X	6	150	346016A060EO	\$ 890.20	346016A060ES	\$ 970.90	125	57
		B	17.33-17.87	440-454				346016B060EO		346016B060ES			
		C	17.88-18.43	473-487				346016C060EO		346016C060ES			
		D	18.62-19.19	454-468				346016D060EO		346016D060ES			
16	400	A	16.74-17.26	425-438	X	8	200	346016A080EO	\$ 1,097.30	346016A080ES	\$ 1,196.70	160	73
		B	17.33-17.87	440-454				346016B080EO		346016B080ES			
		C	17.88-18.43	473-487				346016C080EO		346016C080ES			
		D	18.62-19.19	454-468				346016D080EO		346016D080ES			
16	400	A	16.74-17.26	425-438	X	10	250	346016A100EO	\$ 1,501.00	346016A100ES	\$ 1,637.00	215	98
		B	17.33-17.87	440-454				346016B100EO		346016B100ES			
		C	17.88-18.43	473-487				346016C100EO		346016C100ES			
		D	18.62-19.19	454-468				346016D100EO		346016D100ES			
16	400	A	16.74-17.26	425-438	X	12	300	346016A120EO	\$ 1,721.00	346016A120ES	\$ 1,876.90	245	111
		B	17.33-17.87	440-454				346016B120EO		346016B120ES			
		C	17.88-18.43	473-487				346016C120EO		346016C120ES			
		D	18.62-19.19	454-468				346016D120EO		346016D120ES			
18	450	A	18.87-19.45	479-494	X	4	100	346018A040EO	\$ 794.50	346018A040ES	\$ 866.50	122	55
		B	19.41-20.01	493-508				346018B040EO		346018B040ES			
		C	20.00-20.60	508-523				346018C040EO		346018C040ES			
		D	20.29-20.94	515-532				346018D040EO		346018D040ES			
		E	20.93-21.57	532-548				346018E040EO		346018E040ES			
18	450	A	18.87-19.45	479-494	X	6	150	346018A060EO	\$ 890.30	346018A060ES	\$ 970.90	285	59
		B	19.41-20.01	493-508				346018B060EO		346018B060ES			
		C	20.00-20.60	508-523				346018C060EO		346018C060ES			
		D	20.29-20.94	515-532				346018D060EO		346018D060ES			
		E	20.93-21.57	532-548				346018E060EO		346018E060ES			
18	450	A	18.87-19.45	479-494	X	8	200	346018A080EO	\$ 1,097.30	346018A080ES	\$ 1,196.70	130	82
		B	19.41-20.01	493-508				346018B080EO		346018B080ES			
		C	20.00-20.60	508-523				346018C080EO		346018C080ES			
		D	20.29-20.94	515-532				346018D080EO		346018D080ES			
		E	20.93-21.57	532-548				346018E080EO		346018E080ES			

3460 FABRICATED CARBON STEEL TAP SLEEVE

Nominal Pipe Size		Letter Code	Pipe OD Range		BY	Branch Size		Bolts & Nuts: Low Alloy Steel		Bolts & Nuts: Stainless Steel		Weight	
Inches	MM		Inches	MM		Inches	MM	Part Number	List Price	Part Number	List Price	Lbs	Kgs
18	450	A	18.87-19.45	479-494	X	10	250	346018A100EO	\$ 1,501.00	346018A100ES	\$ 1,640.00	180	107
		B	19.41-20.01	493-508				346018B100EO		346018B100ES			
		C	20.00-20.60	508-523				346018C100EO		346018C100ES			
		D	20.29-20.94	515-532				346018D100EO		346018D100ES			
		E	20.93-21.57	532-548				346018E100EO		346018E100ES			
18	400	A	18.87-19.45	479-494	X	12	300	346018A120EO	\$ 1,721.00	346018A120ES	\$ 1,876.90	235	129
		B	19.41-20.01	493-508				346018B120EO		346018B120ES			
		C	20.00-20.60	508-523				346018C120EO		346018C120ES			
		D	20.29-20.94	515-532				346018D120EO		346018D120ES			
		E	20.93-21.57	532-548				346018E120EO		346018E120ES			
20	500	A	21.51-22.15	546-563	X	4	100	346020A040EO	\$ 905.80	346020A040ES	\$ 997.80	130	59
		B	22.16-22.81	563-579				346020B040EO		346020B040ES			
		C	22.78-23.45	579-596				346020C040EO		346020C040ES			
		D	23.46-24.16	596-614				346020D040EO		346020D040ES			
		E	24.15-24.85	613-631				346020E040EO		346020E040ES			
		F	24.82-25.52	630-648				346020F040EO		346020F040ES			
20	500	A	21.51-22.15	546-563	X	6	150	346020A060EO	\$ 1,030.00	346020A060ES	\$ 1,123.30	145	66
		B	22.16-22.81	563-579				346020B060EO		346020B060ES			
		C	22.78-23.45	579-596				346020C060EO		346020C060ES			
		D	23.46-24.16	596-614				346020D060EO		346020D060ES			
		E	24.15-24.85	613-631				346020E060EO		346020E060ES			
		F	24.82-25.52	630-648				346020F060EO		346020F060ES			
20	500	A	21.51-22.15	546-563	X	8	200	346020A080EO	\$ 1,322.40	346020A080ES	\$ 1,442.20	200	91
		B	22.16-22.81	563-579				346020B080EO		346020B080ES			
		C	22.78-23.45	579-596				346020C080EO		346020C080ES			
		D	23.46-24.16	596-614				346020D080EO		346020D080ES			
		E	24.15-24.85	613-631				346020E080EO		346020E080ES			
		F	24.82-25.52	630-648				346020F080EO		346020F080ES			
20	500	A	21.51-22.15	546-563	X	10	250	346020A100EO	\$ 1,783.20	346020A100ES	\$ 1,944.60	260	118
		B	22.16-22.81	563-579				346020B100EO		346020B100ES			
		C	22.78-23.45	579-596				346020C100EO		346020C100ES			
		D	23.46-24.16	596-614				346020D100EO		346020D100ES			
		E	24.15-24.85	613-631				346020E100EO		346020E100ES			
		F	24.82-25.52	630-648				346020F100EO		346020F100ES			
20	500	A	21.51-22.15	546-563	X	12	300	346020A120EO	\$ 1,884.00	346020A120ES	\$ 2,054.60	285	129
		B	22.16-22.81	563-579				346020B120EO		346020B120ES			
		C	22.78-23.45	579-596				346020C120EO		346020C120ES			
		D	23.46-24.16	596-614				346020D120EO		346020D120ES			
		E	24.15-24.85	613-631				346020E120EO		346020E120ES			
		F	24.82-25.52	630-648				346020F120EO		346020F120ES			

3460 FABRICATED CARBON STEEL TAP SLEEVE

Nominal Pipe Size		Letter Code	Pipe OD Range		BY	Branch Size		Bolts & Nuts: Low Alloy Steel		Bolts & Nuts: Stainless Steel		Weight	
Inches	MM		Inches	MM		Inches	MM	Part Number	List Price	Part Number	List Price	Lbs	Kgs
24	600	A	25.71-26.41	653-671	X	4	100	346024A040EO	\$ 962.70	346024A040ES	\$ 1,049.90	150	68
		B	26.55-27.25	674-692				346024B040EO		346024B040ES			
		C	27.26-27.96	692-710				346024C040EO		346024C040ES			
		D	28.14-28.84	715-733				346024D040EO		346024D040ES			
24	600	A	25.71-26.41	653-671	X	6	150	346024A060EO	\$ 1,084.40	346024A060ES	\$ 1,182.60	160	73
		B	26.55-27.25	674-692				346024B060EO		346024B060ES			
		C	27.26-27.96	692-710				346024C060EO		346024C060ES			
		D	28.14-28.84	715-733				346024D060EO		346024D060ES			
24	600	A	25.71-26.41	653-671	X	8	200	346024A080EO	\$ 1,405.30	346024A080ES	\$ 1,445.80	220	100
		B	26.55-27.25	674-692				346024B080EO		346024B080ES			
		C	27.26-27.96	692-710				346024C080EO		346024C080ES			
		D	28.14-28.84	715-733				346024D080EO		346024D080ES			
24	600	A	25.71-26.41	653-671	X	10	250	346024A100EO	\$ 1,886.60	346024A100ES	\$ 2,057.50	285	129
		B	26.55-27.25	674-692				346024B100EO		346024B100ES			
		C	27.26-27.96	692-710				346024C100EO		346024C100ES			
		D	28.14-28.84	715-733				346024D100EO		346024D100ES			
24	600	A	25.71-26.41	653-671	X	12	300	346024A120EO	\$ 2,013.50	346024A120ES	\$ 2,195.80	305	138
		B	26.55-27.25	674-692				346024B120EO		346024B120ES			
		C	27.26-27.96	692-710				346024C120EO		346024C120ES			
		D	28.14-28.84	715-733				346024D120EO		346024D120ES			
30	750	A	29.78-30.48	756-774	X	4	100	346030A040EO	\$ 1,043.40	346030A040ES	\$ 1,148.70	155	70
		B	30.48-31.18	774-792				346030B040EO		346030B040ES			
		C	31.52-32.22	801-818				346030C040EO		346030C040ES			
30	750	A	29.78-30.48	756-774	X	6	150	346030A060EO	\$ 1,203.40	346030A060ES	\$ 1,312.40	160	73
		B	30.48-31.18	774-792				346030B060EO		346030B060ES			
		C	31.52-32.22	801-818				346030C060EO		346030C060ES			
30	750	A	29.78-30.48	756-774	X	8	200	346030A080EO	\$ 1,585.30	346030A080ES	\$ 1,704.80	220	100
		B	30.48-31.18	774-792				346030B080EO		346030B080ES			
		C	31.52-32.22	801-818				346030C080EO		346030C080ES			
30	750	A	29.78-30.48	756-774	X	10	250	346030A100EO	\$ 1,941.00	346030A100ES	\$ 2,116.80	345	111
		B	30.48-31.18	774-792				346030B100EO		346030B100ES			
		C	31.52-32.22	801-818				346030C100EO		346030C100ES			
30	750	A	29.78-30.48	756-774	X	12	300	346030A120EO	\$ 2,054.90	346030A120ES	\$ 2,241.00	315	143
		B	30.48-31.18	774-792				346030B120EO		346030B120ES			
		C	31.52-32.22	801-818				346030C120EO		346030C120ES			

CUSTOM SIZES AVAILABLE.

HOW TO ORDER: Choose the Pipe Size Letter Code corresponding to a Pipe OD Range that covers the Pipe OD to be tapped and then specify the desired branch size. **EXAMPLE:** 16" Asbestos-Cement Class 150 O.D. 18.72 with 8 inch Branch size and alloy bolts. Order 3460 - 16D x 8. **Part Number:** 346016D080EO .

For Outlet Sizes 14" and above the tapping valve being used must be advised to PowerSeal in order to guarantee proper alignment recess mating.

3460MJ CARBON STEEL TAP SLEEVE W/MECHANICAL JOINT OUTLET

MJ OUTLET: Carbon Steel per AWWA C111. Solid One-Piece casting.

PANEL: Carbon Steel per ASTM A36.

BRANCH GASKET: NBR per ASTM D2000.

BOLTS & NUTS: Low Alloy Steel per ASTM A325, ASTM A563, and AWWA C111. Or Type 304 (18-8) Stainless Steel per ASTM A193 and A194.

FINISH: Epoxy per AWWA C210.



Nominal Pipe Size		Letter Code	Pipe OD Range		BY	Branch Size		Bolts & Nuts: Low Alloy Steel		Bolts & Nuts: Stainless Steel	
Inches	MM		Inches	MM		Inches	MM	Part Number	List Price	Part Number	List Price
4	100	A	4.50	114	X	4	100	346004A040EO-MJCS	\$ 726.00	346004A040ES-MJCS	\$ 946.00
		B	4.80	122				346004B040EO-MJCS		346004B040ES-MJCS	
6	150	A	6.56-6.69	167-170	X	4	100	346006A040EO-MJCS	\$ 825.30	346006A040ES-MJCS	\$ 984.50
		B	6.83-7.16	173-182				346006B040EO-MJCS		346006B040ES-MJCS	
		C	7.05-7.40	179-188				346006C040EO-MJCS		346006C040ES-MJCS	
		D	7.40-7.73	188-196				346006D040EO-MJCS		346006D040ES-MJCS	
6	150	A	6.56-6.69	167-170	X	6	150	346006A060EO-MJCS	\$ 987.00	346006A060ES-MJCS	\$ 1,127.50
		B	6.83-7.16	173-182				346006B060EO-MJCS		346006B060ES-MJCS	
		C	7.05-7.40	179-188				346006C060EO-MJCS		346006C060ES-MJCS	
		D	7.40-7.73	188-196				346006D060EO-MJCS		346006D060ES-MJCS	
8	200	A	7.80-8.16	198-207	X	4	100	346008A040EO-MJCS	\$ 842.10	346008A040ES-MJCS	\$ 1,005.40
		B	8.53-8.72	217-221				346008B040EO-MJCS		346008B040ES-MJCS	
		C	8.98-9.37	228-238				346008C040EO-MJCS		346008C040ES-MJCS	
		D	9.27-9.69	235-246				346008D040EO-MJCS		346008D040ES-MJCS	
8	200	A	7.80-8.16	198-207	X	6	150	346008A060EO-MJCS	\$ 1,009.10	346008A060ES-MJCS	\$ 1,133.00
		B	8.53-8.72	217-221				346008B060EO-MJCS		346008B060ES-MJCS	
		C	8.98-9.37	228-238				346008C060EO-MJCS		346008C060ES-MJCS	
		D	9.27-9.69	235-246				346008D060EO-MJCS		346008D060ES-MJCS	
8	200	A	7.80-8.16	198-207	X	8	200	346008A080EO-MJCS	\$ 1,295.70	346008A080ES-MJCS	\$ 1,483.90
		B	8.53-8.72	217-221				346008B080EO-MJCS		346008B080ES-MJCS	
		C	8.98-9.37	228-238				346008C080EO-MJCS		346008C080ES-MJCS	
		D	9.27-9.69	235-246				346008D080EO-MJCS		346008D080ES-MJCS	
10	250	A	9.83-10.25	250-260	X	4	100	346010A040EO-MJCS	\$ 891.50	346010A040ES-MJCS	\$ 1,043.90
		B	10.64-10.86	270-276				346010B040EO-MJCS		346010B040ES-MJCS	
		C	11.03-11.47	280-291				346010C040EO-MJCS		346010C040ES-MJCS	
		D	11.36-11.80	289-300				346010D040EO-MJCS		346010D040ES-MJCS	
		E	11.76-12.24	299-311				346010E040EO-MJCS		346010E040ES-MJCS	
10	250	A	9.83-10.25	250-260	X	6	150	346010A060EO-MJCS	\$ 1,021.70	346010A060ES-MJCS	\$ 1,177.00
		B	10.64-10.86	270-276				346010B060EO-MJCS		346010B060ES-MJCS	
		C	11.03-11.47	280-291				346010C060EO-MJCS		346010C060ES-MJCS	
		D	11.36-11.80	289-300				346010D060EO-MJCS		346010D060ES-MJCS	
		E	11.76-12.24	299-311				346010E060EO-MJCS		346010E060ES-MJCS	

3460MJ CARBON STEEL TAP SLEEVE W/MECHANICAL JOINT OUTLET

Nominal Pipe Size		Letter Code	Pipe OD Range		BY	Branch Size Size		Bolts & Nuts: Low Alloy Steel		Bolts & Nuts: Stainless Steel	
Inches	MM		Inches	MM		Inches	MM	Part Number	List Price	Part Number	List Price
10	250	A	9.83-10.25	250-260	X	8	200	346010A080EO-MJCS	\$ 1,362.90	346010A080ES-MJCS	\$ 1,510.30
		B	10.64-10.86	270-276				346010B080EO-MJCS		346010B080ES-MJCS	
		C	11.03-11.47	280-291				346010C080EO-MJCS		346010C080ES-MJCS	
		D	11.36-11.80	289-300				346010D080EO-MJCS		346010D080ES-MJCS	
		E	11.76-12.24	299-311				346010E080EO-MJCS		346010E080ES-MJCS	
10	250	B	10.64-10.86	270-276	X	10	250	346010B100EO-MJCS	\$ 1,716.80	346010B100ES-MJCS	\$ 1,915.10
		C	11.03-11.47	280-291				346010C100EO-MJCS		346010C100ES-MJCS	
		D	11.36-11.80	289-300				346010D100EO-MJCS		346010D100ES-MJCS	
		E	11.76-12.24	299-311				346010E100EO-MJCS		346010E100ES-MJCS	
12	300	A	12.62-12.88	321-327	X	4	100	346012A040EO-MJCS	\$ 950.30	346012A040ES-MJCS	\$ 1,096.70
		B	13.13-13.60	334-345				346012B040EO-MJCS		346012B040ES-MJCS	
		C	13.60-14.09	345-358				346012C040EO-MJCS		346012C040ES-MJCS	
		D	14.09-14.56	358-370				346012D040EO-MJCS		346012D040ES-MJCS	
12	300	A	12.62-12.88	321-327	X	6	150	346012A060EO-MJCS	\$ 1,091.00	346012A060ES-MJCS	\$ 1,247.40
		B	13.13-13.60	334-345				346012B060EO-MJCS		346012B060ES-MJCS	
		C	13.60-14.09	345-358				346012C060EO-MJCS		346012C060ES-MJCS	
		D	14.09-14.56	358-370				346012D060EO-MJCS		346012D060ES-MJCS	
12	300	A	12.62-12.88	321-327	X	8	200	346012A080EO-MJCS	\$ 1,440.60	346012A080ES-MJCS	\$ 1,615.90
		B	13.13-13.60	334-345				346012B080EO-MJCS		346012B080ES-MJCS	
		C	13.60-14.09	345-358				346012C080EO-MJCS		346012C080ES-MJCS	
		D	14.09-14.56	358-370				346012D080EO-MJCS		346012D080ES-MJCS	
12	300	A	12.62-12.88	321-327	X	10	250	346012A100EO-MJCS	\$ 1,932.00	346012A100ES-MJCS	\$ 2,129.60
		B	13.13-13.60	334-345				346012B100EO-MJCS		346012B100ES-MJCS	
		C	13.60-14.09	345-358				346012C100EO-MJCS		346012C100ES-MJCS	
		D	14.09-14.56	358-370				346012D100EO-MJCS		346012D100ES-MJCS	
12	300	A	12.62-12.88	321-327	X	12	300	346012A120EO-MJCS	\$ 2,108.40	346012A120ES-MJCS	\$ 2,313.30
		B	13.13-13.60	334-345				346012B120EO-MJCS		346012B120ES-MJCS	
		C	13.60-14.09	345-358				346012C120EO-MJCS		346012C120ES-MJCS	
		D	14.09-14.56	358-370				346012D120EO-MJCS		346012D120ES-MJCS	
14	350	A	14.59-15.08	371-383	X	4	100	346014A040EO-MJCS	\$ 1,009.10	346014A040ES-MJCS	\$ 1,127.50
		B	15.23-15.80	387-401				346014B040EO-MJCS		346014B040ES-MJCS	
		C	15.73-16.22	400-412				346014C040EO-MJCS		346014C040ES-MJCS	
		D	16.30-16.73	414-425				346014D040EO-MJCS		346014D040ES-MJCS	
14	350	A	14.59-15.08	371-383	X	6	150	346014A060EO-MJCS	\$ 1,148.70	346014A060ES-MJCS	\$ 1,289.20
		B	15.23-15.80	387-401				346014B060EO-MJCS		346014B060ES-MJCS	
		C	15.73-16.22	400-412				346014C060EO-MJCS		346014C060ES-MJCS	
		D	16.30-16.73	414-425				346014D060EO-MJCS		346014D060ES-MJCS	
14	350	A	14.59-15.08	371-383	X	8	200	346014A080EO-MJCS	\$ 1,522.50	346014A080ES-MJCS	\$ 1,678.60
		B	15.23-15.80	387-401				346014B080EO-MJCS		346014B080ES-MJCS	
		C	15.73-16.22	400-412				346014C080EO-MJCS		346014C080ES-MJCS	
		D	16.30-16.73	414-425				346014D080EO-MJCS		346014D080ES-MJCS	

3460MJ CARBON STEEL TAP SLEEVE W/MECHANICAL JOINT OUTLET

Nominal Pipe Size		Letter Code	Pipe OD Range		BY	Branch Size		Bolts & Nuts: Low Alloy Steel		Bolts & Nuts: Stainless Steel	
Inches	MM		Inches	MM		Inches	MM	Part Number	List Price	Part Number	List Price
14	350	A	14.59-15.08	371-383	X	10	250	346014A100EO-MJCS	\$ 2,026.50	346014A100ES-MJCS	\$ 2,159.30
		B	15.23-15.80	387-401				346014B100EO-MJCS		346014B100ES-MJCS	
		C	15.73-16.22	400-412				346014C100EO-MJCS		346014C100ES-MJCS	
		D	16.30-16.73	414-425				346014D100EO-MJCS		346014D100ES-MJCS	
14	350	A	14.59-15.08	371-383	X	12	300	346014A120EO-MJCS	\$ 2,202.90	346014A120ES-MJCS	\$ 2,394.70
		B	15.23-15.80	387-401				346014B120EO-MJCS		346014B120ES-MJCS	
		C	15.73-16.22	400-412				346014C120EO-MJCS		346014C120ES-MJCS	
		D	16.30-16.73	414-425				346014D120EO-MJCS		346014D120ES-MJCS	
16	400	A	16.74-17.26	425-438	X	4	100	346016A040EO-MJCS	\$ 1,024.80	346016A040ES-MJCS	\$ 1,162.70
		B	17.33-17.87	440-454				346016B040EO-MJCS		346016B040ES-MJCS	
		C	17.88-18.43	473-487				346016C040EO-MJCS		346016C040ES-MJCS	
		D	18.62-19.19	454-468				346016D040EO-MJCS		346016D040ES-MJCS	
16	400	A	16.74-17.26	425-438	X	6	150	346016A060EO-MJCS	\$ 1,200.20	346016A060ES-MJCS	\$ 1,344.20
		B	17.33-17.87	440-454				346016B060EO-MJCS		346016B060ES-MJCS	
		C	17.88-18.43	473-487				346016C060EO-MJCS		346016C060ES-MJCS	
		D	18.62-19.19	454-468				346016D060EO-MJCS		346016D060ES-MJCS	
16	400	A	16.74-17.26	425-438	X	8	200	346016A080EO-MJCS	\$ 1,587.60	346016A080ES-MJCS	\$ 1,745.70
		B	17.33-17.87	440-454				346016B080EO-MJCS		346016B080ES-MJCS	
		C	17.88-18.43	473-487				346016C080EO-MJCS		346016C080ES-MJCS	
		D	18.62-19.19	454-468				346016D080EO-MJCS		346016D080ES-MJCS	
16	400	A	16.74-17.26	425-438	X	10	250	346016A100EO-MJCS	\$ 2,080.10	346016A100ES-MJCS	\$ 2,270.40
		B	17.33-17.87	440-454				346016B100EO-MJCS		346016B100ES-MJCS	
		C	17.88-18.43	473-487				346016C100EO-MJCS		346016C100ES-MJCS	
		D	18.62-19.19	454-468				346016D100EO-MJCS		346016D100ES-MJCS	
16	400	A	16.74-17.26	425-438	X	12	300	346016A120EO-MJCS	\$ 2,286.90	346016A120ES-MJCS	\$ 2,475.00
		B	17.33-17.87	440-454				346016B120EO-MJCS		346016B120ES-MJCS	
		C	17.88-18.43	473-487				346016C120EO-MJCS		346016C120ES-MJCS	
		D	18.62-19.19	454-468				346016D120EO-MJCS		346016D120ES-MJCS	
18	450	A	18.87-19.45	479-494	X	4	100	346018A040EO-MJCS	\$ 1,057.40	346018A040ES-MJCS	\$ 1,184.70
		B	19.41-20.01	493-508				346018B040EO-MJCS		346018B040ES-MJCS	
		C	20.00-20.60	508-523				346018C040EO-MJCS		346018C040ES-MJCS	
		D	20.29-20.94	515-532				346018D040EO-MJCS		346018D040ES-MJCS	
		E	20.93-21.57	532-548				346018E034EO-MJCS		346018E034ES-MJCS	
18	450	A	18.87-19.45	479-494	X	6	150	346018A060EO-MJCS	\$ 1,232.70	346018A060ES-MJCS	\$ 1,357.40
		B	19.41-20.01	493-508				346018B060EO-MJCS		346018B060ES-MJCS	
		C	20.00-20.60	508-523				346018C060EO-MJCS		346018C060ES-MJCS	
		D	20.29-20.94	515-532				346018D060EO-MJCS		346018D060ES-MJCS	
		E	20.93-21.57	532-548				346018E060EO-MJCS		346018E060ES-MJCS	
18	450	A	18.87-19.45	479-494	X	8	200	346018A080EO-MJCS	\$ 1,625.40	346018A080ES-MJCS	\$ 1,774.30
		B	19.41-20.01	493-508				346018B080EO-MJCS		346018B080ES-MJCS	
		C	20.00-20.60	508-523				346018C080EO-MJCS		346018C080ES-MJCS	
		D	20.29-20.94	515-532				346018D080EO-MJCS		346018D080ES-MJCS	
		E	20.93-21.57	532-548				346018E080EO-MJCS		346018E080ES-MJCS	

3460MJ CARBON STEEL TAP SLEEVE W/MECHANICAL JOINT OUTLET

Nominal Pipe Size		Letter Code	Pipe OD Range		BY	Branch Size		Bolts & Nuts: Low Alloy Steel		Bolts & Nuts: Stainless Steel	
Inches	MM		Inches	MM		Inches	MM	Part Number	List Price	Part Number	List Price
18	450	A	18.87-19.45	479-494	X	10	250	346018A100EO-MJCS	\$ 2,139.90	346018A100ES-MJCS	\$ 2,325.40
		B	19.41-20.01	493-508				346018B100EO-MJCS		346018B100ES-MJCS	
		C	20.00-20.60	508-523				346018C100EO-MJCS		346018C100ES-MJCS	
		D	20.29-20.94	515-532				346018D100EO-MJCS		346018D100ES-MJCS	
		E	20.93-21.57	532-548				346018E100EO-MJCS		346018E100ES-MJCS	
18	400	A	18.87-19.45	479-494	X	12	300	346018A120EO-MJCS	\$ 2,345.70	346018A120ES-MJCS	\$ 2,521.20
		B	19.41-20.01	493-508				346018B120EO-MJCS		346018B120ES-MJCS	
		C	20.00-20.60	508-523				346018C120EO-MJCS		346018C120ES-MJCS	
		D	20.29-20.94	515-532				346018D120EO-MJCS		346018D120ES-MJCS	
		E	20.93-21.57	532-548				346018E120EO-MJCS		346018E120ES-MJCS	
20	500	A	21.51-22.15	546-563	X	4	100	346020A040EO-MJCS	\$ 1,079.40	346020A040ES-MJCS	\$ 1,263.90
		B	22.16-22.81	563-579				346020B040EO-MJCS		346020B040ES-MJCS	
		C	22.78-23.45	579-596				346020C040EO-MJCS		346020C040ES-MJCS	
		D	23.46-24.16	596-614				346020D040EO-MJCS		346020D040ES-MJCS	
		E	24.15-24.85	613-631				346020E040EO-MJCS		346020E040ES-MJCS	
		F	24.82-25.52	630-648				346020F040EO-MJCS		346020F040ES-MJCS	
20	500	A	21.51-22.15	546-563	X	6	150	346020A060EO-MJCS	\$ 1,268.40	346020A060ES-MJCS	\$ 1,454.20
		B	22.16-22.81	563-579				346020B060EO-MJCS		346020B060ES-MJCS	
		C	22.78-23.45	579-596				346020C060EO-MJCS		346020C060ES-MJCS	
		D	23.46-24.16	596-614				346020D060EO-MJCS		346020D060ES-MJCS	
		E	24.15-24.85	613-631				346020E060EO-MJCS		346020E060ES-MJCS	
		F	24.82-25.52	630-648				346020F060EO-MJCS		346020F060ES-MJCS	
20	500	A	21.51-22.15	546-563	X	8	200	346020A080EO-MJCS	\$ 1,685.30	346020A080ES-MJCS	\$ 1,898.60
		B	22.16-22.81	563-579				346020B080EO-MJCS		346020B080ES-MJCS	
		C	22.78-23.45	579-596				346020C080EO-MJCS		346020C080ES-MJCS	
		D	23.46-24.16	596-614				346020D080EO-MJCS		346020D080ES-MJCS	
		E	24.15-24.85	613-631				346020E080EO-MJCS		346020E080ES-MJCS	
		F	24.82-25.52	630-648				346020F080EO-MJCS		346020F080ES-MJCS	
20	500	A	21.51-22.15	546-563	X	10	250	346020A100EO-MJCS	\$ 2,205.00	346020A100ES-MJCS	\$ 2,405.70
		B	22.16-22.81	563-579				346020B100EO-MJCS		346020B100ES-MJCS	
		C	22.78-23.45	579-596				346020C100EO-MJCS		346020C100ES-MJCS	
		D	23.46-24.16	596-614				346020D100EO-MJCS		346020D100ES-MJCS	
		E	24.15-24.85	613-631				346020E100EO-MJCS		346020E100ES-MJCS	
		F	24.82-25.52	630-648				346020F100EO-MJCS		346020F100ES-MJCS	
20	500	A	21.51-22.15	546-563	X	12	300	346020A120EO-MJCS	\$ 2,378.30	346020A120ES-MJCS	\$ 2,690.60
		B	22.16-22.81	563-579				346020B120EO-MJCS		346020B120ES-MJCS	
		C	22.78-23.45	579-596				346020C120EO-MJCS		346020C120ES-MJCS	
		D	23.46-24.16	596-614				346020D120EO-MJCS		346020D120ES-MJCS	
		E	24.15-24.85	613-631				346020E120EO-MJCS		346020E120ES-MJCS	
		F	24.82-25.52	630-648				346020F120EO-MJCS		346020F120ES-MJCS	

3460MJ CARBON STEEL TAP SLEEVE W/MECHANICAL JOINT OUTLET

Nominal Pipe Size		Letter Code	Pipe OD Range		BY	Branch Size		Bolts & Nuts: Low Alloy Steel		Bolts & Nuts: Stainless Steel	
Inches	MM		Inches	MM		Inches	MM	Part Number	List Price	Part Number	List Price
24	600	A	25.71-26.41	653-671	X	4	100	346024A040E0-MJCS	\$ 1,220.10	346024A040ES-MJCS	\$ 1,347.50
		B	26.55-27.25	674-692				346024B040E0-MJCS		346024B040ES-MJCS	
		C	27.26-27.96	692-710				346024C040E0-MJCS		346024C040ES-MJCS	
		D	28.14-28.84	715-733				346024D040E0-MJCS		346024D040ES-MJCS	
24	600	A	25.71-26.41	653-671	X	6	150	346024A060E0-MJCS	\$ 1,415.40	346024A060ES-MJCS	\$ 1,554.30
		B	26.55-27.25	674-692				346024B060E0-MJCS		346024B060ES-MJCS	
		C	27.26-27.96	692-710				346024C060E0-MJCS		346024C060ES-MJCS	
		D	28.14-28.84	715-733				346024D060E0-MJCS		346024D060ES-MJCS	
24	600	A	25.71-26.41	653-671	X	8	200	346024A080E0-MJCS	\$ 1,363.80	346024A080ES-MJCS	\$ 2,051.50
		B	26.55-27.25	674-692				346024B080E0-MJCS		346024B080ES-MJCS	
		C	27.26-27.96	692-710				346024C080E0-MJCS		346024C080ES-MJCS	
		D	28.14-28.84	715-733				346024D080E0-MJCS		346024D080ES-MJCS	
24	600	A	25.71-26.41	653-671	X	10	250	346024A100E0-MJCS	\$ 2,464.40	346024A100ES-MJCS	\$ 2,701.60
		B	26.55-27.25	674-692				346024B100E0-MJCS		346024B100ES-MJCS	
		C	27.26-27.96	692-710				346024C100E0-MJCS		346024C100ES-MJCS	
		D	28.14-28.84	715-733				346024D100E0-MJCS		346024D100ES-MJCS	
24	600	A	25.71-26.41	653-671	X	12	300	346024A120E0-MJCS	\$ 2,637.60	346024A120ES-MJCS	\$ 2,887.50
		B	26.55-27.25	674-692				346024B120E0-MJCS		346024B120ES-MJCS	
		C	27.26-27.96	692-710				346024C120E0-MJCS		346024C120ES-MJCS	
		D	28.14-28.84	715-733				346024D120E0-MJCS		346024D120ES-MJCS	
30	750	A	29.78-30.48	756-774	X	4	100	346030A040E0-MJCS	\$ 1,298.90	346030A040ES-MJCS	\$ 1,472.90
		B	30.48-31.18	774-792				346030B040E0-MJCS		346030B040ES-MJCS	
		C	31.52-32.22	801-818				346030C040E0-MJCS		346030C040ES-MJCS	
30	750	A	29.78-30.48	756-774	X	6	150	346030A060E0-MJCS	\$ 1,505.70	346030A060ES-MJCS	\$ 1,686.30
		B	30.48-31.18	774-792				346030B060E0-MJCS		346030B060ES-MJCS	
		C	31.52-32.22	801-818				346030C060E0-MJCS		346030C060ES-MJCS	
30	750	A	29.78-30.48	756-774	X	8	200	346030A080E0-MJCS	\$ 2,012.90	346030A080ES-MJCS	\$ 2,201.10
		B	30.48-31.18	774-792				346030B080E0-MJCS		346030B080ES-MJCS	
		C	31.52-32.22	801-818				346030C080E0-MJCS		346030C080ES-MJCS	
30	750	A	29.78-30.48	756-774	X	10	250	346030A100E0-MJCS	\$ 2,677.50	346030A100ES-MJCS	\$ 2,929.30
		B	30.48-31.18	774-792				346030B100E0-MJCS		346030B100ES-MJCS	
		C	31.52-32.22	801-818				346030C100E0-MJCS		346030C100ES-MJCS	
30	750	A	29.78-30.48	756-774	X	12	300	346030A120E0-MJCS	\$ 2,808.80	346030A120ES-MJCS	\$ 3,034.90
		B	30.48-31.18	774-792				346030B120E0-MJCS		346030B120ES-MJCS	
		C	31.52-32.22	801-818				346030C120E0-MJCS		346030C120ES-MJCS	

CUSTOM SIZES AVAILABLE.

HOW TO ORDER: Choose the Pipe Size Letter Code corresponding to a Pipe OD Range that covers the Pipe OD to be tapped, then specify the desired branch size and type of bolts. EXAMPLE: 16" Asbestos-Cement Class 150 O.D. 19.60 with 8 inch MJ Branch and Stainless Steel bolts and nuts. Order 3460MJCS -18B x 8. **Part Number:** 346018B080ES-MJCS .

For Outlet Sizes 14" and above the tapping valve being used must be advised to PowerSeal in order to guarantee proper alignment recess mating.

*Manufactured under U.S. Patent 6,330,771.

3465 TAP SLEEVE W/THREADED OUTLET

(FOR UNIQUE TAPPING REQUIREMENTS, LARGER DIAMETER PIPES AND THIN WALL PIPE NEEDING STABILIZATION)

OUTLET: Carbon Steel per ASTM A36 and AWWA C207.**PANEL:** Carbon Steel per ASTM A36.**BRANCH GASKET:** NBR per ASTM D2000.**BOLTS & NUTS:** Low Alloy Steel per ASTM A325, ASTM A563, and AWWA C111. Or Type 304 (18-8) Stainless Steel per ASTM A193 and A194.**FINISH:** Epoxy per AWWA C210.

Nominal Pipe Size		Letter Code	Pipe OD Range		Outlet Size	Part Number	List Price	Weight	
Inches	MM		MM	Inches					
4	100	A	4.50	114	3/4 NPT	346504A075TC	\$ 374.40	21	9
					1 NPT	346504A100TE			
					1 1/4 NPT	346504A125TG			
					1 1/2 NPT	346504A150TI			
					2 NPT	346504A200TK			
					3 NPT	346504A300TP			
					4 NPT	346504A400TM	\$ 433.70		
4	100	B	4.80	121	3/4 NPT	346504B075TC	\$ 374.40	21	9
					1 NPT	346504B100TE			
					1 1/4 NPT	346504B125TG			
					1 1/2 NPT	346504B150TI			
					2 NPT	346504B200TK			
					3 NPT	346504B300TP			
					4 NPT	346504B400TM	\$ 433.70		
6	150	A	6.63	168	3/4 NPT	346506A075TC	\$ 405.50	23	10
					1 NPT	346506A100TE			
					1 1/4 NPT	346506A125TG			
					1 1/2 NPT	346506A150TI			
					2 NPT	346506A200TK			
					3 NPT	346506A300TP			
					4 NPT	346506A400TM	\$ 463.40		
6	150	B	6.90	175	3/4 NPT	346506B075TC	\$ 405.50	23	10
					1 NPT	346506B100TE			
					1 1/4 NPT	346506B125TG			
					1 1/2 NPT	346506B150TI			
					2 NPT	346506B200TK			
					3 NPT	346506B300TP			
					4 NPT	346506B400TM	\$ 463.40		
8	200	A	8.63	219	3/4 NPT	346508A075TC	\$ 426.00	31	14
					1 NPT	346508A100TE			
					1 1/4 NPT	346508A125TG			
					1 1/2 NPT	346508A150TI			
					2 NPT	346508A200TK			
					3 NPT	346508A300TP			
					4 NPT	346508A400TM	\$ 485.20	33	14

3465 TAP SLEEVE W/THREADED OUTLET

Nominal Pipe Size		Letter Code	Pipe OD Range		Outlet Size	Part Number	List Price	Weight	
Inches	MM		MM	Inches					
8	200	B	9.05	229	3/4 NPT	346508B075TC	\$ 426.00	31	14
					1 NPT	346508B100TE			
					1 1/4 NPT	346508B125TG			
					1 1/2 NPT	346508B150TI			
					2 NPT	346508B200TK			
					3 NPT	346508B300TP			
					4 NPT	346508B400TM	\$ 485.20	33	14
10	250	A	10.75	273	3/4 NPT	346510A075TC	\$ 449.40	38	17
					1 NPT	346510A100TE			
					1 1/4 NPT	346510A125TG			
					1 1/2 NPT	346510A150TI			
					2 NPT	346510A200TK			
					3 NPT	346510A300TP			
					4 NPT	346510A400TM	\$ 528.20	40	18
10	250	B	11.10	281	3/4 NPT	346510B075TC	\$ 449.40	38	17
					1 NPT	346510B100TE			
					1 1/4 NPT	346510B125TG			
					1 1/2 NPT	346510B150TI			
					2 NPT	346510B200TK			
					3 NPT	346510B300TP			
					4 NPT	346510B400TM	\$ 528.20	40	18
12	300	A	12.75	323	3/4 NPT	346512A075TC	\$ 475.20	48	21
					1 NPT	346512A100TE			
					1 1/4 NPT	346512A125TG			
					1 1/2 NPT	346512A150TI			
					2 NPT	346512A200TK			
					3 NPT	346512A300TP			
					4 NPT	346512A400TM	\$ 553.50	51	23
12	300	B	13.20	335	3/4 NPT	346512B075TC	\$ 475.20	48	21
					1 NPT	346512B100TE			
					1 1/4 NPT	346512B125TG			
					1 1/2 NPT	346512B150TI			
					2 NPT	346512B200TK			
					3 NPT	346512B300TP			
					4 NPT	346512B400TM	\$ 553.50	51	23

3465 TAP SLEEVE W/THREADED OUTLET

Nominal Pipe Size		Letter Code	Pipe OD Range		Outlet Size	Part Number	List Price	Weight	
Inches	MM		MM	Inches					
14	350	A	14.59-15.08	370-383	3/4 NPT	346514A075TC	\$ 558.30	54	24
					1 NPT	346514A100TE			
					1 1/4 NPT	346514A125TG			
					1 1/2 NPT	346514A150TI			
					2 NPT	346514A200TK			
					3 NPT	346514A300TP			
					4 NPT	346514A400TM			
		B	15.23-15.80	386-401	3/4 NPT	346514B075TC	\$ 558.30	57	25
					1 NPT	346514B100TE			
					1 1/4 NPT	346514B125TG			
					1 1/2 NPT	346514B150TI			
14	350	B	15.23-15.80	386-401	2 NPT	346514B200TK	\$ 558.30	57	25
					3 NPT	346514B300TP			
					4 NPT	346514B400TM			
		C	16.30-16.70	414-424	3/4 NPT	346514C075TC	\$ 558.30	60	27
					1 NPT	346514C100TE			
					1 1/4 NPT	346514C125TG			
					1 1/2 NPT	346514C150TI			
					2 NPT	346514C200TK			
					3 NPT	346514C300TP			
					4 NPT	346514C400TM			
16	400	A	17.33-17.87	440-453	3/4 NPT	346516A075TC	\$ 583.20	64	29
					1 NPT	346516A100TE			
					1 1/4 NPT	346516A125TG			
					1 1/2 NPT	346516A150TI			
					2 NPT	346516A200TK			
					3 NPT	346516A300TP			
					4 NPT	346516A400TM			
							\$ 662.00		
16	400	B	18.62-19.19	472-487	3/4 NPT	346516B075TC	\$ 583.20	68	30
					1 NPT	346516B100TE			
					1 1/4 NPT	346516B125TG			
					1 1/2 NPT	346516B150TI			
					2 NPT	346516B200TK			
					3 NPT	346516B300TP			
					4 NPT	346516B400TM			
							\$ 662.00		

3465 TAP SLEEVE W/THREADED OUTLET

Nominal Pipe Size		Letter Code	Pipe OD Range		Outlet Size	Part Number	List Price	Weight	
Inches	MM		MM	Inches					
18	450	A	19.41-20.01	493-508	3/4 NPT	346518A075TC	\$ 607.00	72	32
					1 NPT	346518A100TE			
					1 1/4 NPT	346518A125TG			
					1 1/2 NPT	346518A150TI			
					2 NPT	346518A200TK			
					3 NPT	346518A300TP			
					4 NPT	346518A400TM			
		B	20.93-21.57	531-547	3/4 NPT	346518B075TC	\$ 607.00	77	34
					1 NPT	346518B100TE			
					1 1/4 NPT	346518B125TG			
					1 1/2 NPT	346518B150TI			
					2 NPT	346518B200TK			
					3 NPT	346518B300TP			
					4 NPT	346518B400TM			
20	500	A	21.51-22.15	546-562	3/4 NPT	346520A075TC	\$ 635.20	80	36
					1 NPT	346520A100TE			
					1 1/4 NPT	346520A125TG			
					1 1/2 NPT	346520A150TI			
					2 NPT	346520A200TK			
					3 NPT	346520A300TP			
					4 NPT	346520A400TM			
20	500	B	23.46-24.16	595-613	3/4 NPT	346520B075TC	\$ 635.20	80	36
					1 NPT	346520B100TE			
					1 1/4 NPT	346520B125TG			
					1 1/2 NPT	346520B150TI			
					2 NPT	346520B200TK			
					3 NPT	346520B300TP			
					4 NPT	346520B400TM			
24	600	A	25.71-26.41	653-670	3/4 NPT	346524A075TC	\$ 687.80	95	43
					1 NPT	346524A100TE			
					1 1/4 NPT	346524A125TG			
					1 1/2 NPT	346524A150TI			
					2 NPT	346524A200TK			
					3 NPT	346524A300TP			
					4 NPT	346524A400TM			
		B	28.14-28.84	714- 732	3/4 NPT	346524B075TC	\$ 687.80	104	47
					1 NPT	346524B100TE			
					1 1/4 NPT	346524B125TG			
					1 1/2 NPT	346524B150TI			
					2 NPT	346524B200TK			
					3 NPT	346524B300TP			
					4 NPT	346524B400TM			

3465 TAP SLEEVE W/THREADED OUTLET

Nominal Pipe Size		Letter Code	Pipe OD Range		Outlet Size	Part Number	List Price	Weight	
Inches	MM		MM	Inches					
30	750	A	31.52-32.22	800-818	3/4 NPT	346530A075TC	\$ 745.60	115	52
					1 NPT	346530A100TE			
					1 1/4 NPT	346530A125TG			
					1 1/2 NPT	346530A150TI			
					2 NPT	346530A200TK			
					3 NPT	346530A300TP			
					4 NPT	346530A400TM	\$ 825.30		
36	900	A	38.10-38.75	967-984	3/4 NPT	346536A075TC	\$ 821.50	139	63
					1 NPT	346536A100TE			
					1 1/4 NPT	346536A125TG			
					1 1/2 NPT	346536A150TI			
					2 NPT	346536A200TK			
					3 NPT	346536A300TP			
					4 NPT	346536A400TM	\$ 902.70		
42	1050	A	44.10-44.70	1120-1135	3/4 NPT	346542A075TC	\$ 890.20	160	72
					1 NPT	346542A100TE			
					1 1/4 NPT	346542A125TG			
					1 1/2 NPT	346542A150TI			
					2 NPT	346542A200TK			
					3 NPT	346542A300TP			
					4 NPT	346542A400TM	\$ 971.00		
48	1200	A	50.40-51.00	1280-1295	3/4 NPT	346548A075TC	\$ 1,138.10	183	83
					1 NPT	346548A100TE			
					1 1/4 NPT	346548A125TG			
48	1200	A	50.40-51.00	1280-1295	1 1/2 NPT	346548A150TI	\$ 1,138.10	183	83
					2 NPT	346548A200TK			
					3 NPT	346548A300TP	\$ 1,305.80		
					4 NPT	346548A400TM			
54	1650	A	56.60-57.25	1437-1454	3/4 NPT	346554A075TC	\$ 1,225.00	205	92
					1 NPT	346554A100TE			
					1 1/4 NPT	346554A125TG			
					1 1/2 NPT	346554A150TI			
					2 NPT	346554A200TK			
					3 NPT	346554A300TP			
					4 NPT	346554A400TM	\$ 1,305.80		

CUSTOM SIZES AVAILABLE. Other options: CC thread configurations. Stainless Steel Bolts & Nuts also available upon request. (Additional charges apply)

HOW TO ORDER: Choose the Pipe Size Letter Code corresponding to a Pipe OD Range that covers the Pipe OD to be tapped and then specify the desired Outlet size. EXAMPLE: 16" Asbestos-Cement Class 150 O.D. 18.72 with 1" NPT Threaded Outlet . Order 3465CS - 16B x 1 NPT. **Part Number:** 346516B100TE .



COATING OPTION: Anti-Seizing/Galling protection. Available for both Alloy and SST application. Inquire with sales for cost and availability.

3480AS / 3480CS TAP SLEEVE W/FLANGE OUTLET

FLANGE: Type 304 (18-8) Stainless Steel or A36 Carbon Steel per AWWA C207.

PANEL: Type 304 (18-8) Stainless Steel per ASTM A240.

SHELL GASKET: SBR Chek-O-Seal with multi o-ring sealing ribs from 100% new rubber to ensure performance under varying pressures with superior storage characteristics. Suitable for mild acids, water and salt media with a temperature range of -25°F to +200°F per ASTM D2000. Other materials available.

BRANCH GASKET: NBR per ASTM D2000 with Hydro TwinSeal® dual o-ring design incorporating both hydrostatic and mechanical forces to affect a dynamic seal.

BOLTS & NUTS: Type 304 (18-8) Stainless Steel per ASTM A193 and A194. NOTE: Hex nuts are furnished with fusion bonded coating to prevent seizing and galling.

WASHERS: Delrin per ASTM D6778.



Nominal Pipe Size		Letter Code	Pipe OD Range		BY	Branch Size		Stainless Steel Flange		Carbon Steel Flange	
Inches	MM		Inches	MM		Inches	MM	Part Number	List Price	Part Number	List Price
4	100	A	4.50-4.70	114-119	X	2	50	348004A020AS	\$ 1,075.80	348004A020CS	\$ 1,020.20
		B	4.70-4.90	119-124				348004B020AS		348004B020CS	
		C	4.80-5.00	112-127				348004C020AS		348004C020CS	
		D	5.10-5.30	130-135				348004D020AS		348004D020CS	
		E	5.20-5.40	132-137				348004E020AS		348004E020CS	
4	100	A	4.50-4.70	114-119	X	3	80	348004A030AS	\$ 1,086.70	348004A030CS	\$ 1,031.20
		B	4.70-4.90	119-124				348004B030AS		348004B030CS	
		C	4.80-5.00	112-127				348004C030AS		348004C030CS	
		D	5.10-5.30	130-135				348004D030AS		348004D030CS	
		E	5.20-5.40	132-137				348004E030AS		348004E030CS	
4	100	A	4.50-4.70	114-119	X	4	100	348004A040AS	\$ 1,092.20	348004A040CS	\$ 1,042.20
		B	4.70-4.90	119-124				348004B040AS		348004B040CS	
		C	4.80-5.00	112-127				348004C040AS		348004C040CS	
		D	5.10-5.30	130-135				348004D040AS		348004D040CS	
		E	5.20-5.40	132-137				348004E040AS		348004E040CS	
6	150	A	6.00-6.20	152-157	X	2	50	348006A020AS	\$ 1,121.10	348006A020CS	\$ 1,063.90
		B	6.60-7.00	168-178				348006B020AS		348006B020CS	
		C	6.90-7.30	175-185				348006C020AS		348006C020CS	
		D	7.10-7.50	180-191				348006D020AS		348006D020CS	
6	150	A	6.00-6.20	152-157	X	3	80	348006A030AS	\$ 1,132.60	348006A030CS	\$ 1,075.40
		B	6.60-7.00	168-178				348006B030AS		348006B030CS	
		C	6.90-7.30	175-185				348006C030AS		348006C030CS	
		D	7.10-7.50	180-191				348006C030AS		348006D030CS	
6	150	A	6.00-6.20	152-157	X	4	100	348006A040AS	\$ 1,138.30	348006A040CS	\$ 1,086.80
		B	6.60-7.00	168-178				348006B040AS		348006B040CS	
		C	6.90-7.30	175-185				348006C040AS		348006C040CS	
		D	7.10-7.50	180-191				348006D040AS		348006D040CS	
6	150	B	6.60-7.00	168-178	X	6	150	348006B060AS	\$ 1,298.10	348006B060CS	\$ 1,239.40
		C	6.90-7.30	175-185				348006C060AS		348006C060CS	
		D	7.10-7.50	180-191				348006D060AS		348006D060CS	

3480AS / 3480CS TAP SLEEVE W/FLANGE OUTLET

Nominal Pipe Size		Letter Code	Pipe OD Range		BY	Branch Size		Stainless Steel Flange		Carbon Steel Flange	
Inches	MM		Inches	MM		Inches	MM	Part Number	List Price	Part Number	List Price
8	200	A	7.90-8.30	201-211	X	2	50	348008A020AS	\$ 1,160.80	348008A020CS	\$ 1,101.60
		B	8.60-9.05	218-230				348008B020AS		348008B020CS	
		C	9.05-9.45	230-240				348008C020AS		348008C020CS	
		D	9.20-9.60	234-244				348008D020AS		348008D020CS	
8	200	A	7.90-8.30	201-211	X	3	80	348008A030AS	\$ 1,172.70	348008A030CS	\$ 1,113.40
		B	8.60-9.05	218-230				348008B030AS		348008B030CS	
		C	9.05-9.45	230-240				348008C030AS		348008C030CS	
		D	9.20-9.60	234-244				348008D030AS		348008D030CS	
8	200	A	7.90-8.30	201-211	X	4	100	348008A040AS	\$ 1,178.60	348008A040CS	\$ 1,125.30
		B	8.60-9.05	218-230				348008B040AS		348008B040CS	
		C	9.05-9.45	230-240				348008C040AS		348008C040CS	
		D	9.20-9.60	234-244				348008D040AS		348008D040CS	
8	200	A	7.90-8.30	201-211	X	6	150	348008A060AS	\$ 1,304.20	348008A060CS	\$ 1,251.50
		B	8.60-9.05	218-230				348008B060AS		348008B060CS	
		C	9.05-9.45	230-240				348008C060AS		348008C060CS	
		D	9.20-9.60	234-244				348008D060AS		348008D060CS	
8	200	B	8.60-9.05	218-230	X	8	200	348008B080AS	\$ 1,628.50	348008B080CS	\$ 1,554.90
		C	9.05-9.45	230-240				348008C080AS		348008C080CS	
		D	9.20-9.60	234-244				348008D080AS		348008D080CS	
10	250	A	9.90-10.30	251-262	X	2	50	348010A020AS	\$ 1,260.60	348010A020CS	\$ 1,196.30
		B	10.70-11.10	272-282				348010B020AS		348010B020CS	
		C	11.10-11.50	282-292				348010C020AS		348010C020CS	
		D	11.40-11.80	290-300				348010D020AS		348010D020CS	
		E	11.80-12.20	300-310				348010E020AS		348010E020CS	
10	250	A	9.90-10.30	251-262	X	3	80	348010A030AS	\$ 1,273.50	348010A030CS	\$ 1,209.20
		B	10.70-11.10	272-282				348010B030AS		348010B030CS	
		C	11.10-11.50	282-292				348010C030AS		348010C030CS	
		D	11.40-11.80	290-300				348010D030AS		348010D030CS	
		E	11.80-12.20	300-310				348010E030AS		348010E030CS	
10	250	A	9.90-10.30	251-262	X	4	100	348010A040AS	\$ 1,279.90	348010A040CS	\$ 1,222.00
		B	10.70-11.10	272-282				348010B040AS		348010B040CS	
		C	11.10-11.50	282-292				348010C040AS		348010C040CS	
		D	11.40-11.80	290-300				348010D040AS		348010D040CS	
		E	11.80-12.20	300-310				348010E040AS		348010E040CS	
10	250	A	9.90-10.30	251-262	X	6	150	348010A060AS	\$ 1,390.10	348010A060CS	\$ 1,327.30
		B	10.70-11.10	272-282				348010B060AS		348010B060CS	
		C	11.10-11.50	282-292				348010C060AS		348010C060CS	
		D	11.40-11.80	290-300				348010D060AS		348010D060CS	
		E	11.80-12.20	300-310				348010E060AS		348010E060CS	
10	250	A	9.90-10.30	251-262	X	8	200	348010A080AS	\$ 1,762.70	348010A080CS	\$ 1,683.00
		B	10.70-11.10	272-282				348010B080AS		348010B080CS	
		C	11.10-11.50	282-292				348010C080AS		348010C080CS	
		D	11.40-11.80	290-300				348010D080AS		348010D080CS	
		E	11.80-12.20	300-310				348010E080AS		348010E080CS	

3480AS / 3480CS TAP SLEEVE W/FLANGE OUTLET

Nominal Pipe Size		Letter Code	Pipe OD Range		BY	Branch Size		Stainless Steel Flange		Carbon Steel Flange	
Inches	MM		Inches	MM		Inches	MM	Part Number	List Price	Part Number	List Price
10	250	B	10.70-11.10	272-282	X	10	250	348010B100AS	\$ 2,920.90	348010B100CS	\$ 2,788.80
		C	11.10-11.50	282-292				348010C100AS		348010C100CS	
		D	11.40-11.80	290-300				348010D100AS		348010D100CS	
		E	11.80-12.20	300-310				348010E100AS		348010E100CS	
12	300	A	11.90-12.30	302-312	X	2	50	348012A020AS	\$ 1,491.50	348012A020CS	\$ 1,415.40
		B	12.50-12.90	318-328				348012B020AS		348012B020CS	
		C	13.20-13.60	335-345				348012C020AS		348012C020CS	
		D	13.40-13.80	340-351				348012D020AS		348012D020CS	
		E	13.90-14.30	355-363				348012E020AS		348012E020CS	
12	300	A	11.90-12.30	302-312	X	3	80	348012A030AS	\$ 1,506.70	348012A030CS	\$ 1,430.60
		B	12.50-12.90	318-328				348012B030AS		348012B030CS	
		C	13.20-13.60	335-345				348012C030AS		348012C030CS	
		D	13.40-13.80	340-351				348012D030AS		348012D030CS	
		E	13.90-14.30	355-363				348012E030AS		348012E030CS	
12	300	A	11.90-12.30	302-312	X	4	100	348012A040AS	\$ 1,514.30	348012A040CS	\$ 1,445.80
		B	12.50-12.90	318-328				348012B040AS		348012B040CS	
		C	13.20-13.60	335-345				348012C040AS		348012C040CS	
		D	13.40-13.80	340-351				348012D040AS		348012D040CS	
		E	13.90-14.30	355-363				348012E040AS		348012E040CS	
12	300	A	11.90-12.30	302-312	X	6	150	348012A060AS	\$ 1,666.10	348012A060CS	\$ 1,590.70
		B	12.50-12.90	318-328				348012B060AS		348012B060CS	
		C	13.20-13.60	335-345				348012C060AS		348012C060CS	
		D	13.40-13.80	340-351				348012D060AS		348012D060CS	
		E	13.90-14.30	355-363				348012E060AS		348012E060CS	
12	300	A	11.90-12.30	302-312	X	8	200	348012A080AS	\$ 2,014.50	348012A080CS	\$ 1,923.40
		B	12.50-12.90	318-328				348012B080AS		348012B080CS	
		C	13.20-13.60	335-345				348012C080AS		348012C080CS	
		D	13.40-13.80	340-351				348012D080AS		348012D080CS	
		E	13.90-14.30	355-363				348012E080AS		348012E080CS	
12	300	A	11.90-12.30	302-312	X	10	250	348012A100AS	\$ 3,172.80	348012A100CS	\$ 3,029.30
		B	12.50-12.90	318-328				348012B100AS		348012B100CS	
		C	13.20-13.60	335-345				348012C100AS		348012C100CS	
		D	13.40-13.80	340-351				348012D100AS		348012D100CS	
		E	13.90-14.30	355-363				348012E100AS		348012E100CS	
12	300	B	12.50-12.90	318-328	X	12	300	348012B120AS	\$ 3,779.80	348012B120CS	\$ 3,608.80
		C	13.20-13.60	335-345				348012C120AS		348012C120CS	
		D	13.40-13.80	340-351				348012D120AS		348012D120CS	
		E	13.90-14.30	355-363				348012E120AS		348012E120CS	
14	350	A	15.00-15.40	381-391	X	2	50	348014A020AS	\$ 2,066.10	348014A020CS	\$ 1,960.70
		B	15.30-15.70	389-399				348014B020AS		348014B020CS	
		C	15.90-16.30	404-414				348014C020AS		348014C020CS	
		D	16.40-16.80	417-427				348014D020AS		348014D020CS	

3480AS / 3480CS TAP SLEEVE W/FLANGE OUTLET

Nominal Pipe Size		Letter Code	Pipe OD Range		BY	Branch Size		Stainless Steel Flange		Carbon Steel Flange	
Inches	MM		Inches	MM		Inches	MM	Part Number	List Price	Part Number	List Price
14	350	A	15.00-15.40	381-391	X	3	80	348014A030AS	\$ 2,087.20	348014A030CS	\$ 1,981.80
		B	15.30-15.70	389-399				348014B030AS		348014B030CS	
		C	15.90-16.30	404-414				348014C030AS		348014C030CS	
		D	16.40-16.80	417-427				348014D030AS		348014D030CS	
14	350	A	15.00-15.40	381-391	X	4	100	348014A040AS	\$ 2,097.70	348014A040CS	\$ 2,002.90
		B	15.30-15.70	389-399				348014B040AS		348014B040CS	
		C	15.90-16.30	404-414				348014C040AS		348014C040CS	
		D	16.40-16.80	417-427				348014D040AS		348014D040CS	
14	350	A	15.00-15.40	381-391	X	6	150	348014A060AS	\$ 2,300.00	348014A060CS	\$ 2,196.00
		B	15.30-15.70	389-399				348014B060AS		348014B060CS	
		C	15.90-16.30	404-414				348014C060AS		348014C060CS	
		D	16.40-16.80	417-427				348014D060AS		348014D060CS	
14	350	A	15.00-15.40	381-391	X	8	200	348014A080AS	\$ 3,022.90	348014A080CS	\$ 2,886.20
		B	15.30-15.70	389-399				348014B080AS		348014B080CS	
		C	15.90-16.30	404-414				348014C080AS		348014C080CS	
		D	16.40-16.80	417-427				348014D080AS		348014D080CS	
14	350	A	15.00-15.40	381-391	X	10	250	348014A100AS	\$ 4,091.60	348014A100CS	\$ 3,906.60
		B	15.30-15.70	389-399				348014B100AS		348014B100CS	
		C	15.90-16.30	404-414				348014C100AS		348014C100CS	
		D	16.40-16.80	417-427				348014D100AS		348014D100CS	
14	350	A	15.00-15.40	381-391	X	12	300	348014A120AS	\$ 4,846.40	348014A120CS	\$ 4,627.20
		B	15.30-15.70	389-399				348012B120AS		348014B120CS	
		C	15.90-16.30	404-414				348014C120AS		348014C120CS	
		D	16.40-16.80	417-427				348014D120AS		348014D120CS	
16	400	A	17.00-17.40	432-442	X	2	50	348016A020AS	\$ 2,407.80	348016A020CS	\$ 2,264.50
		B	17.40-17.80	442-452				348016B020AS		348016B020CS	
		C	17.70-18.10	450-460				348016C020AS		348016C020CS	
16	400	A	17.00-17.40	432-442	X	3	80	348016A030AS	\$ 2,412.80	348016A030CS	\$ 2,288.90
		B	17.40-17.80	442-452				348016B030AS		348016B030CS	
		C	17.70-18.10	450-460				348016C030AS		348016C030CS	
16	400	A	17.00-17.40	432-442	X	4	100	348016A040AS	\$ 2,422.80	348016A040CS	\$ 2,313.20
		B	17.40-17.80	442-452				348016B040AS		348016B040CS	
		C	17.70-18.10	450-460				348016C040AS		348016C040CS	
16	400	A	17.00-17.40	432-442	X	6	150	348016A060AS	\$ 2,625.00	348016A060CS	\$ 2,506.30
		B	17.40-17.80	442-452				348016B060AS		348016B060CS	
		C	17.70-18.10	450-460				348016C060AS		348016C060CS	
16	400	A	17.00-17.40	432-442	X	8	200	348016A080AS	\$ 3,126.60	348016A080CS	\$ 2,985.20
		B	17.40-17.80	442-452				348016B080AS		348016B080CS	
		C	17.70-18.10	450-460				348016C080AS		348016C080CS	
16	400	A	17.00-17.40	432-442	X	10	250	348016A100AS	\$ 4,341.50	348016A100CS	\$ 4,145.10
		B	17.40-17.80	442-452				348016B100AS		348016B100CS	
		C	17.70-18.10	450-460				348016C100AS		348016C100CS	

3480AS / 3480CS TAP SLEEVE W/FLANGE OUTLET

Nominal Pipe Size		Letter Code	Pipe OD Range		BY	Branch Size		Stainless Steel Flange		Carbon Steel Flange	
Inches	MM		Inches	MM		Inches	MM	Part Number	List Price	Part Number	List Price
16	400	A	17.00-17.40	432-442	X	12	300	348016A120AS	\$ 4,977.90	348016A120CS	\$ 4,752.80
		B	17.40-17.80	442-452				348016B120AS		348016B120CS	
		C	17.70-18.10	450-460				348016C120AS		348016C120CS	
18	450	A	18.40-18.80	467-478	X	2	50	348018A020AS	\$ 2,435.90	348018A020CS	\$ 2,311.60
		B	18.60-19.00	472-483				348018B020AS		348018B020CS	
		C	19.30-19.70	490-500				348018C020AS		348018C020CS	
		D	19.80-20.20	503-513				348018D020AS		348018D020CS	
18	450	A	18.40-18.80	467-478	X	3	80	348018A030AS	\$ 2,460.70	348018A030CS	\$ 2,336.40
		B	18.60-19.00	472-483				348018B030AS		348018B030CS	
		C	19.30-19.70	490-500				348008C030AS		348018C030CS	
		D	19.80-20.20	503-513				348018D030AS		348018D030CS	
18	450	A	18.40-18.80	467-478	X	4	100	348018A040AS	\$ 2,473.20	348018A040CS	\$ 2,361.30
		B	18.60-19.00	472-483				348018B040AS		348018B040CS	
		C	19.30-19.70	490-500				348018C040AS		348018C040CS	
		D	19.80-20.20	503-513				348018D040AS		348018D040CS	
18	450	A	18.40-18.80	467-478	X	6	150	348018A060AS	\$ 2,675.90	348018A060CS	\$ 2,554.80
		B	18.60-19.00	472-483				348018B060AS		348018B060CS	
		C	19.30-19.70	490-500				348018C060AS		348018C060CS	
		D	19.80-20.20	503-513				348018D060AS		348018D060CS	
18	450	A	18.40-18.80	467-478	X	8	200	348018A080AS	\$ 3,217.40	348018A080CS	\$ 3,071.90
		B	18.60-19.00	472-483				348018B080AS		348018B080CS	
		C	19.30-19.70	490-500				348018C080AS		348018C080CS	
		D	19.80-20.20	503-513				348018D080AS		348018D080CS	
18	450	A	18.40-18.80	467-478	X	10	250	348018A100AS	\$ 4,446.00	348018A100CS	\$ 4,244.90
		B	18.60-19.00	472-483				348018B100AS		348018B100CS	
		C	19.30-19.70	490-500				348018C100AS		348018C100CS	
		D	19.80-20.20	503-513				348018D100AS		348018D100CS	
18	400	A	18.40-18.80	467-478	X	12	300	348018A120AS	\$ 5,082.50	348018A120CS	\$ 4,852.60
		B	18.60-19.00	472-483				348018B120AS		348018B120CS	
		C	19.30-19.70	490-500				348018C120AS		348018C120CS	
		D	19.80-20.20	503-513				348018D120AS		348018D120CS	
20	500	A	21.40-21.80	544-554	X	2	50	348020A020AS	\$ 2,794.40	348020A020CS	\$ 2,651.80
		B	21.90-22.30	556-566				348020B020AS		348020B020CS	
20	500	A	21.40-21.80	544-554	X	3	80	348020A030AS	\$ 2,822.90	348020A030CS	\$ 2,680.30
		B	21.90-22.30	556-566				348020B030AS		348020B030CS	
20	500	A	21.40-21.80	544-554	X	4	100	348020A040AS	\$ 2,837.20	348020A040CS	\$ 2,708.90
		B	21.90-22.30	556-566				348020B040AS		348020B040CS	
20	500	A	21.40-21.80	544-554	X	6	150	348020A060AS	\$ 3,039.50	348020A060CS	\$ 2,902.00
		B	21.90-22.30	556-566				348020B060AS		348020B060CS	
20	500	A	21.40-21.80	544-554	X	8	200	348020A080AS	\$ 3,714.60	348020A080CS	\$ 3,546.60
		B	21.90-22.30	556-566				348020B080AS		348020B080CS	

3480AS / 3480CS TAP SLEEVE W/FLANGE OUTLET

Nominal Pipe Size		Letter Code	Pipe OD Range		BY	Branch Size		Stainless Steel Flange		Carbon Steel Flange	
Inches	MM		Inches	MM		Inches	MM	Part Number	List Price	Part Number	List Price
20	500	A	21.40-21.80	544-554	X	10	250	348020A100AS	\$ 5,028.60	348020A100CS	\$ 4,801.10
		B	21.90-22.30	556-566				348020B100AS		348020B100CS	
20	500	A	21.40-21.80	544-554	X	12	300	348020A120AS	\$ 5,665.00	348020A120CS	\$ 5,408.80
		B	21.90-22.30	556-566				348020B120AS		348020B120CS	
24	600	A	25.60-26.00	650-660	X	2	50	348024A020AS	\$ 2,928.70	348024A020CS	\$ 2,779.30
		B	26.20-26.60	665-676				348024B020AS		348024B020CS	
24	600	A	25.60-26.00	650-660	X	3	80	348024A030AS	\$ 2,958.70	348024A030CS	\$ 2,809.20
		B	26.20-26.60	665-676				348024B030AS		348024B030CS	
24	600	A	25.60-26.00	650-660	X	4	100	348024A040AS	\$ 2,973.50	348024A040CS	\$ 2,839.00
		B	26.20-26.60	665-676				348024B040AS		348024B040CS	
24	600	A	25.60-26.00	650-660	X	6	150	348024A060AS	\$ 3,175.70	348024A060CS	\$ 3,032.10
		B	26.20-26.60	665-676				348024B060AS		348024B060CS	
24	600	A	25.60-26.00	650-660	X	8	200	348024A080AS	\$ 3,865.60	348024A080CS	\$ 3,690.80
		B	26.20-26.60	665-676				348024B080AS		348024B080CS	
24	600	A	25.60-26.00	650-660	X	10	250	348024A100AS	\$ 5,194.00	348024A100CS	\$ 4,959.00
		B	26.20-26.60	665-676				348024B100AS		348024B100CS	
24	600	A	25.60-26.00	650-660	X	12	300	348024A120AS	\$ 5,835.00	348024A120CS	\$ 5,571.10
		B	26.20-26.60	665-676				348024B120AS		348024B120CS	

CUSTOM SIZES AVAILABLE.

HOW TO ORDER: Choose the Pipe Size Letter Code corresponding to a Pipe OD Range that covers the Pipe OD to be tapped and then specify the desired branch size. **EXAMPLE:** 12" C900 PVC O.D. 13.20 with 6 inch Branch. Order 3480AS Carbon Steel Flange 12C x 6. **Part Number:** 348012C060CS

For Outlet Sizes 14" and above the tapping valve being used must be advised to PowerSeal in order to guarantee proper alignment recess mating.



COATING OPTION: Anti-Seizing/Galling protection. Available for both Alloy and SST application. Inquire with sales for cost and availability

3480MJ / 3480MJ-CS TAP SLEEVE W/MECHANICAL JOINT OUTLET

MJ OUTLET: Type 304 (18-8) Stainless Steel per ASTM A743 and ANSI/AWWA C111 or Carbon Steel. Solid One-Piece casting.

PANEL: Type 304 (18-8) Stainless Steel per ASTM A240.

SHELL GASKET: SBR Chek-O-Seal with multi o-ring sealing ribs from 100% new rubber to ensure performance under varying pressures with superior storage characteristics. Suitable for mild acids, water and salt media with a temperature range of -25°F to +200°F per ASTM D2000. Other materials available.

BRANCH GASKET: NBR per ASTM D2000 with Hydro TwinSeal® dual o-ring design incorporating both hydrostatic and mechanical forces to affect a dynamic seal.

BOLTS & NUTS: Type 304 (18-8) Stainless Steel per ASTM A193 and A194. **NOTE:** Hex nuts are furnished with fusion bonded coating to prevent seizing and galling.

WASHERS: Delrin per ASTM D6778.



Nominal Pipe Size		Letter Code	Pipe OD Range		BY	Branch Size		Stainless Steel MJ		Carbon Steel MJ	
Inches	MM		Inches	MM		Inches	MM	Part Number	List Price	Part Number	List Price
4	100	A	4.50-4.70	114-119	X	2	50	348004A020MJ	\$ 1,195.30	348004A020MJ-CS	\$ 1,133.60
		B	4.70-4.90	119-124				348004B020MJ		348004B020MJ-CS	
		C	4.80-5.00	112-127				348004C020MJ		348004C020MJ-CS	
		D	5.10-5.30	130-135				348004D020MJ		348004D020MJ-CS	
		E	5.20-5.40	132-137				348004E020MJ		348004E020MJ-CS	
4	100	A	4.50-4.70	114-119	X	3	80	348004A030MJ	\$ 1,207.50	348004A030MJ-CS	\$ 1,145.80
		B	4.70-4.90	119-124				348004B030MJ		348004B030MJ-CS	
		C	4.80-5.00	112-127				348004C030MJ		348004C030MJ-CS	
		D	5.10-5.30	130-135				348004D030MJ		348004D030MJ-CS	
		E	5.20-5.40	132-137				348004E030MJ		348004E030MJ-CS	
4	100	A	4.50-4.70	114-119	X	4	100	348004A040MJ	\$ 1,213.60	348004A040MJ-CS	\$ 1,158.00
		B	4.70-4.90	119-124				348004B040MJ		348004B040MJ-CS	
		C	4.80-5.00	112-127				348004C040MJ		348004C040MJ-CS	
		D	5.10-5.30	130-135				348004D040MJ		348004D040MJ-CS	
		E	5.20-5.40	132-137				348004E040MJ		348004E040MJ-CS	
6	150	A	6.00-6.20	152-157	X	2	50	348006A020MJ	\$ 1,245.70	348006A020MJ-CS	\$ 1,182.20
		B	6.60-7.00	168-178				348006B020MJ		348006B020MJ-CS	
		C	6.90-7.30	175-185				348006C020MJ		348006C020MJ-CS	
		D	7.10-7.50	180-191				348006D020MJ		348006D020MJ-CS	
6	150	A	6.00-6.20	152-157	X	3	80	348006A030MJ	\$ 1,258.40	348006A030MJ-CS	\$ 1,194.90
		B	6.60-7.00	168-178				348006B030MJ		348006B030MJ-CS	
		C	6.90-7.30	175-185				348006C030MJ		348006C030MJ-CS	
		D	7.10-7.50	180-191				348006D030MJ		348006D030MJ-CS	
6	150	A	6.00-6.20	152-157	X	4	100	348006A040MJ	\$ 1,264.80	348006A040MJ-CS	\$ 1,207.60
		B	6.60-7.00	168-178				348006B040MJ		348006B040MJ-CS	
		C	6.90-7.30	175-185				348006C040MJ		348006C040MJ-CS	
		D	7.10-7.50	180-191				348006D040MJ		348006D040MJ-CS	

3480MJ / 3480MJ-CS TAP SLEEVE W/MECHANICAL JOINT OUTLET

Nominal Pipe Size		Letter Code	Pipe OD Range		BY	Branch Size		Stainless Steel MJ		Carbon Steel MJ	
Inches	MM		Inches	MM		Inches	MM	Part Number	List Price	Part Number	List Price
6	150	B	6.60-7.00	168-178	X	6	150	348006B060MJ	\$ 1,442.30	348006B060MJ-CS	\$ 1,377.20
		C	6.90-7.30	175-185				348006C060MJ		348006C060MJ-CS	
		D	7.10-7.50	180-191				348006D060MJ		348006D060MJ-CS	
8	200	A	7.90-8.30	201-211	X	2	50	348008A020MJ	\$ 1,289.80	348008A020MJ-CS	\$ 1,224.00
		B	8.60-9.05	218-230				348008B020MJ		348008B020MJ-CS	
		C	9.05-9.45	230-240				348008C020MJ		348008C020MJ-CS	
		D	9.20-9.60	234-244				348008D020MJ		348008D020MJ-CS	
8	200	A	7.90-8.30	201-211	X	3	80	348008A030MJ	\$ 1,303.00	348008A030MJ-CS	\$ 1,237.20
		B	8.60-9.05	218-230				348008B030MJ		348008B030MJ-CS	
		C	9.05-9.45	230-240				348008C030MJ		348008C030MJ-CS	
		D	9.20-9.60	234-244				348008D030MJ		348008D030MJ-CS	
8	200	A	7.90-8.30	201-211	X	4	100	348008A040MJ	\$ 1,309.60	348008A040MJ-CS	\$ 1,250.30
		B	8.60-9.05	218-230				348008B040MJ		348008B040MJ-CS	
		C	9.05-9.45	230-240				348008C040MJ		348008C040MJ-CS	
		D	9.20-9.60	234-244				348008D040MJ		348008D040MJ-CS	
8	200	A	7.90-8.30	201-211	X	6	150	348008A060MJ	\$ 1,449.10	348008A060MJ-CS	\$ 1,390.60
		B	8.60-9.05	218-230				348008B060MJ		348008B060MJ-CS	
		C	9.05-9.45	230-240				348008C060MJ		348008C060MJ-CS	
		D	9.20-9.60	234-244				348008D060MJ		348008D060MJ-CS	
8	200	B	8.60-9.05	218-230	X	8	200	348008B080MJ	\$ 1,809.50	348008B080MJ-CS	\$ 1,727.60
		C	9.05-9.45	230-240				348008C080MJ		348008C080MJ-CS	
		D	9.20-9.60	234-244				348008D080MJ		348008D080MJ-CS	
10	250	A	9.90-10.30	251-262	X	2	50	348010A020MJ	\$ 1,400.70	348010A020MJ-CS	\$ 1,329.20
		B	10.70-11.10	272-282				348010B020MJ		348010B020MJ-CS	
		C	11.10-11.50	282-292				348010C020MJ		348010C020MJ-CS	
		D	11.40-11.80	290-300				348010D020MJ		348010D020MJ-CS	
		E	11.80-12.20	300-310				348010E020MJ		348010E020MJ-CS	
10	250	A	9.90-10.30	251-262	X	3	80	348010A030MJ	\$ 1,415.00	348010A030MJ-CS	\$ 1,343.50
		B	10.70-11.10	272-282				348010B030MJ		348010B030MJ-CS	
		C	11.10-11.50	282-292				348010C030MJ		348010C030MJ-CS	
		D	11.40-11.80	290-300				348010D030MJ		348010D030MJ-CS	
		E	11.80-12.20	300-310				348010E030MJ		348010E030MJ-CS	
10	250	A	9.90-10.30	251-262	X	4	100	348010A040MJ	\$ 1,422.10	348010A040MJ-CS	\$ 1,357.80
		B	10.70-11.10	272-282				348010B040MJ		348010B040MJ-CS	
		C	11.10-11.50	282-292				348010C040MJ		348010C040MJ-CS	
		D	11.40-11.80	290-300				348010D040MJ		348010D040MJ-CS	
		E	11.80-12.20	300-310				348010E040MJ		348010E040MJ-CS	
10	250	A	9.90-10.30	251-262	X	6	150	348010A060MJ	\$ 1,544.60	348010A060MJ-CS	\$ 1,474.70
		B	10.70-11.10	272-282				348010B060MJ		348010B060MJ-CS	
		C	11.10-11.50	282-292				348010C060MJ		348010C060MJ-CS	
		D	11.40-11.80	290-300				348010D060MJ		348010D060MJ-CS	
		E	11.80-12.20	300-310				348010E060MJ		348010E060MJ-CS	

3480MJ / 3480MJ-CS TAP SLEEVE W/MECHANICAL JOINT OUTLET

Nominal Pipe Size		Letter Code	Pipe OD Range		BY	Branch Size		Stainless Steel MJ		Carbon Steel MJ	
Inches	MM		Inches	MM		Inches	MM	Part Number	List Price	Part Number	List Price
10	250	A	9.90-10.30	251-262	X	8	200	348010A080MJ	\$ 1,958.50	348010A080MJ-CS	\$ 1,870.00
		B	10.70-11.10	272-282				348010B080MJ		348010B080MJ-CS	
		C	11.10-11.50	282-292				348010C080MJ		348010C080MJ-CS	
		D	11.40-11.80	290-300				348010D080MJ		348010D080MJ-CS	
		E	11.80-12.20	300-310				348010E080MJ		348010E080MJ-CS	
10	250	B	10.70-11.10	272-282	X	10	250	348010B100MJ	\$ 3,245.40	348010B100MJ-CS	\$ 3,098.70
		C	11.10-11.50	282-292				348010C100MJ		348010C100MJ-CS	
		D	11.40-11.80	290-300				348010D100MJ		348010D100MJ-CS	
		E	11.80-12.20	300-310				348010E100MJ		348010E100MJ-CS	
12	300	A	11.90-12.30	302-312	X	2	50	348012A020MJ	\$ 1,277.20	348012A020MJ-CS	\$ 1,572.70
		B	12.50-12.90	318-328				348012B020MJ		348012B020MJ-CS	
		C	13.20-13.60	335-345				348012C020MJ		348012C020MJ-CS	
		D	13.40-13.80	340-351				348012D020MJ		348012D020MJ-CS	
		E	13.90-14.30	355-363				348012E020MJ		348012E020MJ-CS	
12	300	A	11.90-12.30	302-312	X	3	80	348012A030MJ	\$ 1,674.10	348012A030MJ-CS	\$ 1,589.60
		B	12.50-12.90	318-328				348012B030MJ		348012B030MJ-CS	
		C	13.20-13.60	335-345				348012C030MJ		348012C030MJ-CS	
		D	13.40-13.80	340-351				348012D030MJ		348012D030MJ-CS	
		E	13.90-14.30	355-363				348012E030MJ		348012E030MJ-CS	
12	300	A	11.90-12.30	302-312	X	4	100	348012A040MJ	\$ 1,682.60	348012A040MJ-CS	\$ 1,606.50
		B	12.50-12.90	318-328				348012B040MJ		348012B040MJ-CS	
		C	13.20-13.60	335-345				348012C040MJ		348012C040MJ-CS	
		D	13.40-13.80	340-351				348012D040MJ		348012D040MJ-CS	
		E	13.90-14.30	355-363				348012E040MJ		348012E040MJ-CS	
12	300	A	11.90-12.30	302-312	X	6	150	348012A060MJ	\$ 1,851.20	348012A060MJ-CS	\$ 1,767.50
		B	12.50-12.90	318-328				348012B060MJ		348012B060MJ-CS	
		C	13.20-13.60	335-345				348012C060MJ		348012C060MJ-CS	
		D	13.40-13.80	340-351				348012D060MJ		348012D060MJ-CS	
		E	13.90-14.30	355-363				348012E060MJ		348012E060MJ-CS	
12	300	A	11.90-12.30	302-312	X	8	200	348012A080MJ	\$ 2,238.30	348012A080MJ-CS	\$ 2,137.10
		B	12.50-12.90	318-328				348012B080MJ		348012B080MJ-CS	
		C	13.20-13.60	335-345				348012C080MJ		348012C080MJ-CS	
		D	13.40-13.80	340-351				348012D080MJ		348012D080MJ-CS	
		E	13.90-14.30	355-363				348012E080MJ		348012E080MJ-CS	
12	300	A	11.90-12.30	302-312	X	10	250	348012A100MJ	\$ 3,525.40	348012A100MJ-CS	\$ 3,365.90
		B	12.50-12.90	318-328				348012B100MJ		348012B100MJ-CS	
		C	13.20-13.60	335-345				34802C100MJ		348012C100MJ-CS	
		D	13.40-13.80	340-351				348012D100MJ		348012D100MJ-CS	
		E	13.90-14.30	355-363				348012E100MJ		348012E100MJ-CS	
12	300	B	12.50-12.90	318-328	X	12	300	348012B120MJ	\$ 4,199.80	348012B120MJ-CS	\$ 4,009.80
		C	13.20-13.60	335-345				348012C120MJ		348012C120MJ-CS	
		D	13.40-13.80	340-351				348012D120MJ		348012D120MJ-CS	
		E	13.90-14.30	355-363				348012E120MJ		348012E120MJ-CS	

3480MJ / 3480MJ-CS TAP SLEEVE W/MECHANICAL JOINT OUTLET

Nominal Pipe Size		Letter Code	Pipe OD Range		BY	Branch Size		Stainless Steel MJ		Carbon Steel MJ	
Inches	MM		Inches	MM		Inches	MM	Part Number	List Price	Part Number	List Price
14	350	A	15.00-15.40	381-391	X	2	50	348014A020MJ	\$ 2,295.70	348014A020MJ-CS	\$ 2,178.60
		B	15.30-15.70	389-399				348014B020MJ		348014B020MJ-CS	
		C	15.90-16.30	404-414				348014C020MJ		348014C020MJ-CS	
		D	16.40-16.80	417-427				348014D020MJ		348014D020MJ-CS	
14	350	A	15.00-15.40	381-391	X	3	80	348014A030MJ	\$ 2,319.10	348014A030MJ-CS	\$ 2,202.00
		B	15.30-15.70	389-399				348014B030MJ		348014B030MJ-CS	
		C	15.90-16.30	404-414				348014C030MJ		348014C030MJ-CS	
		D	16.40-16.80	417-427				348014D030MJ		348014D030MJ-CS	
14	350	A	15.00-15.40	381-391	X	4	100	348014A040MJ	\$ 2,330.80	348014A040MJ-CS	\$ 2,225.40
		B	15.30-15.70	389-399				348014B040MJ		348014B040MJ-CS	
		C	15.90-16.30	404-414				348014C040MJ		348014C040MJ-CS	
		D	16.40-16.80	417-427				348014D040MJ		348014D040MJ-CS	
14	350	A	15.00-15.40	381-391	X	6	150	348014A060MJ	\$ 2,555.50	348014A060MJ-CS	\$ 2,440.00
		B	15.30-15.70	389-399				348014B060MJ		348014B060MJ-CS	
		C	15.90-16.30	404-414				348014C060MJ		348014C060MJ-CS	
		D	16.40-16.80	417-427				348014D060MJ		348014D060MJ-CS	
14	350	A	15.00-15.40	381-391	X	8	200	348014A080MJ	\$ 3,358.80	348014A080MJ-CS	\$ 3,206.90
		B	15.30-15.70	389-399				348014B080MJ		348014B080MJ-CS	
		C	15.90-16.30	404-414				348014C080MJ		348014C080MJ-CS	
		D	16.40-16.80	417-427				348014D080MJ		348014D080MJ-CS	
14	350	A	15.00-15.40	381-391	X	10	250	348014A100MJ	\$ 4,546.30	348014A100MJ-CS	\$ 4,340.70
		B	15.30-15.70	389-399				348014B100MJ		348014B100MJ-CS	
		C	15.90-16.30	404-414				348014C100MJ		348014C100MJ-CS	
		D	16.40-16.80	417-427				348014D100MJ		348014D100MJ-CS	
14	350	A	15.00-15.40	381-391	X	12	300	348014A120MJ	\$ 5,384.90	348014A120MJ-CS	\$ 5,141.30
		B	15.30-15.70	389-399				348014B120MJ		348014B120MJ-CS	
		C	15.90-16.30	404-414				348014C120MJ		348014C120MJ-CS	
		D	16.40-16.80	417-427				348014D120MJ		348014D120MJ-CS	
16	400	A	17.00-17.40	432-442	X	2	50	348016A020MJ	\$ 2,651.40	348016A020MJ-CS	\$ 2,516.10
		B	17.40-17.80	442-452				348016B020MJ		348016B020MJ-CS	
		C	17.70-18.10	450-460				348016C020MJ		348016C020MJ-CS	
16	400	A	17.00-17.40	432-442	X	3	80	348016A030MJ	\$ 2,678.40	348016A030MJ-CS	\$ 2,543.20
		B	17.40-17.80	442-452				348016B030MJ		348016B030MJ-CS	
		C	17.70-18.10	450-460				348016C030MJ		348016C030MJ-CS	
16	400	A	17.00-17.40	432-442	X	4	100	348016A040MJ	\$ 2,916.60	348016A040MJ-CS	\$ 2,570.20
		B	17.40-17.80	442-452				348016B040MJ		348016B040MJ-CS	
		C	17.70-18.10	450-460				348016C040MJ		348016C040MJ-CS	
16	400	A	17.00-17.40	432-442	X	6	150	348016A060MJ	\$ 3,474.00	348016A060MJ-CS	\$ 2,784.70
		B	17.40-17.80	442-452				348016B060MJ		348016B060MJ-CS	
		C	17.70-18.10	450-460				348016C060MJ		348016C060MJ-CS	
16	400	A	17.00-17.40	432-442	X	8	200	348016A080MJ	\$ 4,823.90	348016A080MJ-CS	\$ 3,316.80
		B	17.40-17.80	442-452				348016B080MJ		348016B080MJ-CS	
		C	17.70-18.10	450-460				348016C080MJ		348016C080MJ-CS	

3480MJ / 3480MJ-CS TAP SLEEVE W/MECHANICAL JOINT OUTLET

Nominal Pipe Size		Letter Code	Pipe OD Range		BY	Branch Size		Stainless Steel MJ		Carbon Steel MJ	
Inches	MM		Inches	MM		Inches	MM	Part Number	List Price	Part Number	List Price
16	400	A	17.00-17.40	432-442	X	10	250	348016A100MJ	\$ 4,824.00	348016A100MJ-CS	\$ 4,605.70
		B	17.40-17.80	442-452				348016B100MJ		348016B100MJ-CS	
		C	17.70-18.10	450-460				348016C100MJ		348016C100MJ-CS	
16	400	A	17.00-17.40	432-442	X	12	300	348016A120MJ	\$ 5,531.00	348016A120MJ-CS	\$ 5,280.90
		B	17.40-17.80	442-452				348016B120MJ		348016B120MJ-CS	
		C	17.70-18.10	450-460				348016C120MJ		348016C120MJ-CS	
18	450	A	18.40-18.80	467-478	X	2	50	348018A020MJ	\$ 2,706.50	348018A020MJ-CS	\$ 2,568.40
		B	18.60-19.00	472-483				348018B020MJ		348018B020MJ-CS	
		C	19.30-19.70	490-500				348018C020MJ		348018C020MJ-CS	
		D	19.80-20.20	503-513				348018D020MJ		348018D020MJ-CS	
18	450	A	18.40-18.80	467-478	X	3	80	348018A030MJ	\$ 2,734.10	348018A030MJ-CS	\$ 2,596.00
		B	18.60-19.00	472-483				348018B030MJ		348018B030MJ-CS	
		C	19.30-19.70	490-500				348018C030MJ		348018C030MJ-CS	
		D	19.80-20.20	503-513				348018D030MJ		348018D030MJ-CS	
18	450	A	18.40-18.80	467-478	X	4	100	348018A040MJ	\$ 2,748.00	348018A040MJ-CS	\$ 2,623.70
		B	18.60-19.00	472-483				348018B040MJ		348018B040MJ-CS	
		C	19.30-19.70	490-500				348018C040MJ		348018C040MJ-CS	
		D	19.80-20.20	503-513				348018D040MJ		348018D040MJ-CS	
18	450	A	18.40-18.80	467-478	X	6	150	348018A060MJ	\$ 2,973.20	348018A060MJ-CS	\$ 2,838.70
		B	18.60-19.00	472-483				348018B060MJ		348018B060MJ-CS	
		C	19.30-19.70	490-500				348018C060MJ		348018C060MJ-CS	
		D	19.80-20.20	503-513				348018D060MJ		348018D060MJ-CS	
18	450	A	18.40-18.80	467-478	X	8	200	348018A080MJ	\$ 3,574.90	348018A080MJ-CS	\$ 3,413.20
		B	18.60-19.00	472-483				348018B080MJ		348018B080MJ-CS	
		C	19.30-19.70	490-500				348018C080MJ		348018C080MJ-CS	
		D	19.80-20.20	503-513				348018D080MJ		348018D080MJ-CS	
18	450	A	18.40-18.80	467-478	X	10	250	348018A100MJ	\$ 4,940.00	348018A100MJ-CS	\$ 4,716.60
		B	18.60-19.00	472-483				348018B100MJ		348018B100MJ-CS	
		C	19.30-19.70	490-500				348018C100MJ		348018C100MJ-CS	
		D	19.80-20.20	503-513				348018D100MJ		348018D100MJ-CS	
18	400	A	18.40-18.80	467-478	X	12	300	348018A120MJ	\$ 5,647.20	348018A120MJ-CS	\$ 5,391.80
		B	18.60-19.00	472-483				348018B120MJ		348018B120MJ-CS	
		C	19.30-19.70	490-500				348018C120MJ		348018C120MJ-CS	
		D	19.80-20.20	503-513				348018D120MJ		348018D120MJ-CS	
20	500	A	21.40-21.80	544-554	X	2	50	348020A020MJ	\$ 3,104.90	348020A020MJ-CS	\$ 2,946.50
		B	21.90-22.30	556-566				348020B020MJ		348020B020MJ-CS	
20	500	A	21.40-21.80	544-554	X	3	80	348020A030MJ	\$ 3,136.60	348020A030MJ-CS	\$ 2,978.20
		B	21.90-22.30	556-566				348020B030MJ		348020B030MJ-CS	
20	500	A	21.40-21.80	544-554	X	4	100	348020A040MJ	\$ 3,152.40	348020A040MJ-CS	\$ 3,009.80
		B	21.90-22.30	556-566				348020B040MJ		348020B040MJ-CS	
20	500	A	21.40-21.80	544-554	X	6	150	348020A060MJ	\$ 3,377.20	348020A060MJ-CS	\$ 3,224.50
		B	21.90-22.30	556-566				348020B060MJ		348020B060MJ-CS	

3480MJ / 3480MJ-CS TAP SLEEVE W/MECHANICAL JOINT OUTLET

Nominal Pipe Size		Letter Code	Pipe OD Range		BY	Branch Size		Stainless Steel MJ		Carbon Steel MJ	
Inches	MM		Inches	MM		Inches	MM	Part Number	List Price	Part Number	List Price
20	500	A	21.40-21.80	544-554	X	8	200	348020A080MJ	\$ 4,127.30	348020A080MJ-CS	\$ 3,940.60
		B	21.90-22.30	556-566				348020B080MJ		348020B080MJ-CS	
20	500	A	21.40-21.80	544-554	X	10	250	348020A100MJ	\$ 5,587.30	348020A100MJ-CS	\$ 5,334.60
		B	21.90-22.30	556-566				348020B100MJ		348020B100MJ-CS	
20	500	A	21.40-21.80	544-554	X	12	300	348020A120MJ	\$ 6,294.40	348020A120MJ-CS	\$ 6,009.70
		B	21.90-22.30	556-566				348020B120MJ		348020B120MJ-CS	
24	600	A	25.60-26.00	650-660	X	2	50	348024A020MJ	\$ 3,254.10	348024A020MJ-CS	\$ 3,088.10
		B	26.20-26.60	665-676				348024B020MJ		348024B020MJ-CS	
24	600	A	25.60-26.00	650-660	X	3	80	348024A030MJ	\$ 3,287.30	348024A030MJ-CS	\$ 3,121.30
		B	26.20-26.60	665-676				348024B030MJ		348024B030MJ-CS	
24	600	A	25.60-26.00	650-660	X	4	100	348024A040MJ	\$ 3,304.00	348024A040MJ-CS	\$ 3,154.50
		B	26.20-26.60	665-676				348024B040MJ		348024B040MJ-CS	
24	600	A	25.60-26.00	650-660	X	6	150	348024A060MJ	\$ 3,528.60	348024A060MJ-CS	\$ 3,369.00
		B	26.20-26.60	665-676				348024B060MJ		348024B060MJ-CS	
24	600	A	25.60-26.00	650-660	X	8	200	348024A080MJ	\$ 4,295.00	348024A080MJ-CS	\$ 4,100.80
		B	26.20-26.60	665-676				348024B080MJ		348024B080MJ-CS	
24	600	A	25.60-26.00	650-660	X	10	250	348024A100MJ	\$ 5,771.00	348024A100MJ-CS	\$ 5,510.00
		B	26.20-26.60	665-676				348024B100MJ		348024B100MJ-CS	
24	600	A	25.60-26.00	650-660	X	12	300	348024A120MJ	\$ 6,483.30	348024A120MJ-CS	\$ 6,190.10
		B	26.20-26.60	665-676				348024B120MJ		348024B120MJ-CS	

CUSTOM SIZES AVAILABLE.

HOW TO ORDER: Choose the Pipe Size Letter Code corresponding to a Pipe OD Range that covers the Pipe OD to be tapped and then specify the desired branch size. **EXAMPLE:** 8" C900 PVC O.D. 9.05 with 6 inch Stainless Steel MJ Branch. Order 3480MJ -8C x 6. **Part Number:** 348008C060MJ .

For Outlet Sizes 14" and above the tapping valve being used must be advised to PowerSeal in order to guarantee proper alignment recess mating.

*Manufactured under U.S. Patent 6,330,771.

3490AS / 3490CS TAP SLEEVE W/FLANGE OUTLET

FLANGE: Type 304 (18-8) Stainless Steel per ASTM A743 and ANSI/AWWA C111 or Carbon Steel.

PANEL: Type 304 (18-8) Stainless Steel per ASTM A240.

SHELL GASKET: SBR Chek-O-Seal with multi o-ring sealing ribs from 100% new rubber to ensure performance under varying pressures with superior storage characteristics. Suitable for mild acids, water and salt media with a temperature range of -25°F to +200°F per ASTM D2000. Other materials available.

BRANCH GASKET: NBR per ASTM D2000 with Hydro TwinSeal® dual o-ring design incorporating both hydrostatic and mechanical forces to affect a dynamic seal.

BOLTS & NUTS: Type 304 (18-8) Stainless Steel per ASTM A193 and A194 for sleeves with Stainless Steel Flange and Low Alloy Steel Bolts and Nuts per ASTM A325 and ASTM A563 for sleeves with Carbon Steel Flange. **NOTE:** Stainless Steel hex nuts are furnished with fusion bonded coating to prevent seizing and galling.

WASHERS: Delrin per ASTM D6778.



Nominal Pipe Size		Letter Code	Pipe OD Range		BY	Branch Size		Stainless Steel Flange with Stainless steel bolts and nuts		Carbon Steel Flange with alloy steel bolts and nuts	
Inches	MM		Inches	MM		Inches	MM	Part Number	List Price	Part Number	List Price
4	100	A	4.50-4.70	114-119	X	2	50	349004A020AS	\$ 1,236.80	349004A020CS	\$ 861.40
		B	4.70-4.90	119-124				349004B020AS		349004B020CS	
		C	4.80-5.00	112-127				349004C020AS		349004C020CS	
		D	5.10-5.30	130-135				349004D020AS		349004D020CS	
		E	5.20-5.40	132-137				349004E020AS		349004E020CS	
4	100	A	4.50-4.70	114-119	X	3	80	349004A030AS	\$ 1,249.50	349004A030CS	\$ 870.20
		B	4.70-4.90	119-124				349004B030AS		349004B030CS	
		C	4.80-5.00	112-127				349004C030AS		349004C030CS	
		D	5.10-5.30	130-135				349004D030AS		349004D030CS	
		E	5.20-5.40	132-137				349004E030AS		349004E030CS	
4	100	A	4.50-4.70	114-119	X	4	100	349004A040AS	\$ 1,268.60	349004A040CS	\$ 883.60
		B	4.70-4.90	119-124				349004B040AS		349004B040CS	
		C	4.80-5.00	112-127				349004C040AS		349004C040CS	
		D	5.10-5.30	130-135				349004D040AS		349004D040CS	
		E	5.20-5.40	132-137				349004E040AS		349004E040CS	
6	150	A	6.00-6.20	152-157	X	2	50	349006A020AS	\$ 1,248.40	349006A020CS	\$ 894.30
		B	6.60-7.00	168-178				349006B020AS		349006B020CS	
		C	6.90-7.30	175-185				349006C020AS		349006C020CS	
		D	7.10-7.50	180-191				349006D020AS		349006D020CS	
6	150	A	6.00-6.20	152-157	X	3	80	349006A030AS	\$ 1,261.30	349006A030CS	\$ 903.60
		B	6.60-7.00	168-178				349006B030AS		349006B030CS	
		C	6.90-7.30	175-185				349006C030AS		349006C030CS	
		D	7.10-7.50	180-191				349006D030AS		349006D030CS	
6	150	A	6.00-6.20	152-157	X	4	100	349006A040AS	\$ 1,280.60	349006A040CS	\$ 917.40
		B	6.60-7.00	168-178				349006B040AS		349006B040CS	
		C	6.90-7.30	175-185				349006C040AS		349006C040CS	
		D	7.10-7.50	180-191				349006D040AS		349006D040CS	
6	150	B	6.60-7.00	168-178	X	6	150	349006B060AS	\$ 1,320.40	349006B060CS	\$ 1,044.80
		C	6.90-7.30	175-185				349006C060AS		349006C060CS	
		D	7.10-7.50	180-191				349006D060AS		349006D060CS	

3490AS / 3490CS TAP SLEEVE W/FLANGE OUTLET

Nominal Pipe Size		Letter Code	Pipe OD Range		BY	Branch Size		Stainless Steel Flange with Stainless steel bolts and nuts		Carbon Steel Flange with alloy steel bolts and nuts	
Inches	MM		Inches	MM		Inches	MM	Part Number	List Price	Part Number	List Price
8	200	A	7.90-8.30	201-211	X	2	50	349008A020AS	\$ 1,303.70	349008A020CS	\$ 956.40
		B	8.60-9.05	218-230				349008B020AS		349008B020CS	
		C	9.05-9.45	230-240				349008C020AS		349008C020CS	
		D	9.20-9.60	234-244				349008D020AS		349008D020CS	
8	200	A	7.90-8.30	201-211	X	3	80	349008A030AS	\$ 1,317.10	349008A030CS	\$ 966.30
		B	8.60-9.05	218-230				349008B030AS		349008B030CS	
		C	9.05-9.45	230-240				349008C030AS		349008C030CS	
		D	9.20-9.60	234-244				349008D030AS		349008D030CS	
8	200	A	7.90-8.30	201-211	X	4	100	349008A040AS	\$ 1,337.30	349008A040CS	\$ 981.00
		B	8.60-9.05	218-230				349008B040AS		349008B040CS	
		C	9.05-9.45	230-240				349008C040AS		349008C040CS	
		D	9.20-9.60	234-244				349008D040AS		349008D040CS	
8	200	A	7.90-8.30	201-211	X	6	150	349008A060AS	\$ 1,444.70	349008A060CS	\$ 1,039.80
		B	8.60-9.05	218-230				349008B060AS		349008B060CS	
		C	9.05-9.45	230-240				349008C060AS		349008C060CS	
		D	9.20-9.60	234-244				349008D060AS		349008D060CS	
8	200	B	8.60-9.05	218-230	X	8	200	349008B080AS	\$ 1,773.00	349008B080CS	\$ 1,393.00
		C	9.05-9.45	230-240				349008C080AS		349008C080CS	
		D	9.20-9.60	234-244				349008D080AS		349008D080CS	
10	250	A	9.90-10.30	251-262	X	2	50	349010A020AS	\$ 1,487.00	349010A020CS	\$ 1,049.50
		B	10.70-11.10	272-282				349010B020AS		349010B020CS	
		C	11.10-11.50	282-292				349010C020AS		349010C020CS	
		D	11.40-11.80	290-300				349010D020AS		349010D020CS	
		E	11.80-12.20	300-310				349010E020AS		349010E020CS	
10	250	A	9.90-10.30	251-262	X	3	80	349010A030AS	\$ 1,502.30	349010A030CS	\$ 1,060.40
		B	10.70-11.10	272-282				349010B030AS		349010B030CS	
		C	11.10-11.50	282-292				349010C030AS		349010C030CS	
		D	11.40-11.80	290-300				349010D030AS		349010D030CS	
		E	11.80-12.20	300-310				349010E030AS		349010E030CS	
10	250	A	9.90-10.30	251-262	X	4	100	349010A040AS	\$ 1,525.30	349010A040CS	\$ 1,076.60
		B	10.70-11.10	272-282				349010B040AS		349010B040CS	
		C	11.10-11.50	282-292				349010C040AS		349010C040CS	
		D	11.40-11.80	290-300				349010D040AS		349010D040CS	
		E	11.80-12.20	300-310				349010E040AS		349010E040CS	
10	250	A	9.90-10.30	251-262	X	6	150	349010A060AS	\$ 1,652.70	349010A060CS	\$ 1,159.20
		B	10.70-11.10	272-282				349010B060AS		349010B060CS	
		C	11.10-11.50	282-292				349010C060AS		349010C060CS	
		D	11.40-11.80	290-300				349010D060AS		349010D060CS	
		E	11.80-12.20	300-310				349010E060AS		349010E060CS	
10	250	A	9.90-10.30	251-262	X	8	200	349010A080AS	\$ 2,018.90	349010A080CS	\$ 1,407.90
		B	10.70-11.10	272-282				349010B080AS		349010B080CS	
		C	11.10-11.50	282-292				349010C080AS		349010C080CS	
		D	11.40-11.80	290-300				349010D080AS		349010D080CS	
		E	11.80-12.20	300-310				349010E080AS		349010E080CS	

3490AS / 3490CS TAP SLEEVE W/FLANGE OUTLET

Nominal Pipe Size		Letter Code	Pipe OD Range		BY	Branch Size		Stainless Steel Flange with Stainless steel bolts and nuts		Carbon Steel Flange with alloy steel bolts and nuts	
Inches	MM		Inches	MM		Inches	MM	Part Number	List Price	Part Number	List Price
10	250	B	10.70-11.10	272-282	X	10	250	349010B100AS	\$ 2,950.20	349010B100CS	\$ 2,405.90
		C	11.10-11.50	282-292				349010C100AS		349010C100CS	
		D	11.40-11.80	290-300				349010D100AS		349010D100CS	
		E	11.80-12.20	300-310				349010E100AS		349010E100CS	
12	300	A	11.90-12.30	302-312	X	2	50	349012A020AS	\$ 1,680.00	349012A020CS	\$ 1,170.80
		B	12.50-12.90	318-328				349012B020AS		349012B020CS	
		C	13.20-13.60	335-345				349012C020AS		349012C020CS	
		D	13.40-13.80	340-351				349012D020AS		349012D020CS	
		E	13.90-14.30	355-363				349012E020AS		349012E020CS	
12	300	A	11.90-12.30	302-312	X	3	80	349012A030AS	\$ 1,697.40	349012A030CS	\$ 1,182.90
		B	12.50-12.90	318-328				349012B030AS		349012B030CS	
		C	13.20-13.60	335-345				349012C030AS		349012C030CS	
		D	13.40-13.80	340-351				349012D030AS		349012D030CS	
		E	13.90-14.30	355-363				349012E030AS		349012E030CS	
12	300	A	11.90-12.30	302-312	X	4	100	349012A040AS	\$ 1,723.30	349012A040CS	\$ 1,201.00
		B	12.50-12.90	318-328				349012B040AS		349012B040CS	
		C	13.20-13.60	335-345				349012C040AS		349012C040CS	
		D	13.40-13.80	340-351				349012D040AS		349012D040CS	
		E	13.90-14.30	355-363				349012E040AS		349012E040CS	
12	300	A	11.90-12.30	302-312	X	6	150	349012A060AS	\$ 1,908.40	349012A060CS	\$ 1,292.50
		B	12.50-12.90	318-328				349012B060AS		349012B060CS	
		C	13.20-13.60	335-345				349012C060AS		349012C060CS	
		D	13.40-13.80	340-351				349012D060AS		349012D060CS	
		E	13.90-14.30	355-363				349012E060AS		349012E060CS	
12	300	A	11.90-12.30	302-312	X	8	200	349012A080AS	\$ 2,395.00	349012A080CS	\$ 1,938.30
		B	12.50-12.90	318-328				349012B080AS		349012B080CS	
		C	13.20-13.60	335-345				349012C080AS		349012C080CS	
		D	13.40-13.80	340-351				349012D080AS		349012D080CS	
		E	13.90-14.30	355-363				349012E080AS		349012E080CS	
12	300	A	11.90-12.30	302-312	X	10	250	349012A100AS	\$ 3,043.70	349012A100CS	\$ 2,508.40
		B	12.50-12.90	318-328				349012B100AS		349012B100CS	
		C	13.20-13.60	335-345				349012C100AS		349012C100CS	
		D	13.40-13.80	340-351				349012D100AS		349012D100CS	
		E	13.90-14.30	355-363				349012E100AS		349012E100CS	
12	300	B	12.50-12.90	318-328	X	12	300	349012B120AS	\$ 3,374.00	349012B120CS	\$ 2,721.30
		C	13.20-13.60	335-345				349012C120AS		349012C120CS	
		D	13.40-13.80	340-351				349012D120AS		349012D120CS	
		E	13.90-14.30	355-363				349012E120AS		349012E120CS	
14	350	A	15.00-15.40	381-391	X	2	50	349014A020AS	\$ 1,983.70	349014A020CS	\$ 1,964.30
		B	15.30-15.70	389-399				349014B020AS		349014B020CS	
		C	15.90-16.30	404-414				349014C020AS		349014C020CS	
		D	16.40-16.80	417-427				349014D020AS		349014D020CS	

3490AS / 3490CS TAP SLEEVE W/FLANGE OUTLET

Nominal Pipe Size		Letter Code	Pipe OD Range		BY	Branch Size		Stainless Steel Flange with Stainless steel bolts and nuts		Carbon Steel Flange with alloy steel bolts and nuts	
Inches	MM		Inches	MM		Inches	MM	Part Number	List Price	Part Number	List Price
14	350	A	15.00-15.40	381-391	X	3	80	349014A030AS	\$ 2,004.10	349014A030CS	\$ 1,984.50
		B	15.30-15.70	389-399				349014B030AS		349014B030CS	
		C	15.90-16.30	404-414				349014C030AS		349014C030CS	
		D	16.40-16.80	417-427				349014D030AS		349014D030CS	
14	350	A	15.00-15.40	381-391	X	4	100	349014A040AS	\$ 2,034.80	349014A040CS	\$ 2,014.90
		B	15.30-15.70	389-399				349014B040AS		349014B040CS	
		C	15.90-16.30	404-414				349014C040AS		349014C040CS	
		D	16.40-16.80	417-427				349014D040AS		349014D040CS	
14	350	A	15.00-15.40	381-391	X	6	150	349014A060AS	\$ 2,216.90	349014A060CS	\$ 2,176.00
		B	15.30-15.70	389-399				349014B060AS		349014B060CS	
		C	15.90-16.30	404-414				349014C060AS		349014C060CS	
		D	16.40-16.80	417-427				349014D060AS		349014D060CS	
14	350	A	15.00-15.40	381-391	X	8	200	349014A080AS	\$ 2,665.60	349014A080CS	\$ 2,597.90
		B	15.30-15.70	389-399				349014B080AS		349014B080CS	
		C	15.90-16.30	404-414				349014C080AS		349014C080CS	
		D	16.40-16.80	417-427				349014D080AS		349014D080CS	
14	350	A	15.00-15.40	381-391	X	10	250	349014A100AS	\$ 3,377.00	349014A100CS	\$ 3,324.30
		B	15.30-15.70	389-399				349014B100AS		349014B100CS	
		C	15.90-16.30	404-414				349014C100AS		349014C100CS	
		D	16.40-16.80	417-427				349014D100AS		349014D100CS	
14	350	A	15.00-15.40	381-391	X	12	300	349014A120AS	\$ 3,792.90	349014A120CS	\$ 3,703.40
		B	15.30-15.70	389-399				349014B120AS		349014B120CS	
		C	15.90-16.30	404-414				349014C120AS		349014C120CS	
		D	16.40-16.80	417-427				349014D120AS		349014D120CS	
16	400	A	17.00-17.40	432-442	X	2	50	349016A020AS	\$ 2,376.50	349016A020CS	\$ 1,964.20
		B	17.40-17.80	442-452				349016B020AS		349016B020CS	
		C	17.70-18.10	450-460				349016C020AS		349016C020CS	
16	400	A	17.00-17.40	432-442	X	3	80	349016A030AS	\$ 2,401.00	349016A030CS	\$ 1,984.50
		B	17.40-17.80	442-452				349016B030AS		349016B030CS	
		C	17.70-18.10	450-460				349016C030AS		349016C030CS	
16	400	A	17.00-17.40	432-442	X	4	100	349016A040AS	\$ 2,437.80	349016A040CS	\$ 2,014.90
		B	17.40-17.80	442-452				349016B040AS		349016B040CS	
		C	17.70-18.10	450-460				349016C040AS		349016C040CS	
16	400	A	17.00-17.40	432-442	X	6	150	349016A060AS	\$ 2,758.10	349016A060CS	\$ 2,176.00
		B	17.40-17.80	442-452				349016B060AS		349016B060CS	
		C	17.70-18.10	450-460				349016C060AS		349016C060CS	
16	400	A	17.00-17.40	432-442	X	8	200	349016A080AS	\$ 2,997.90	349016A080CS	\$ 2,597.90
		B	17.40-17.80	442-452				349016B080AS		349016B080CS	
		C	17.70-18.10	450-460				349016C080AS		349016C080CS	
16	400	A	17.00-17.40	432-442	X	10	250	349016A100AS	\$ 3,757.10	349016A100CS	\$ 3,324.30
		B	17.40-17.80	442-452				349016B100AS		349016B100CS	
		C	17.70-18.10	450-460				349016C100AS		349016C100CS	

3490AS / 3490CS TAP SLEEVE W/FLANGE OUTLET

Nominal Pipe Size		Letter Code	Pipe OD Range		BY	Branch Size		Stainless Steel Flange with Stainless steel bolts and nuts		Carbon Steel Flange with alloy steel bolts and nuts	
Inches	MM		Inches	MM		Inches	MM	Part Number	List Price	Part Number	List Price
16	400	A	17.00-17.40	432-442	X	12	300	349016A120AS	\$ 4,112.30	349016A120CS	\$ 3,703.40
		B	17.40-17.80	442-452				349016B120AS		349016B120CS	
		C	17.70-18.10	450-460				349016C120AS		349016C120CS	
16	400	A	17.00-17.40	432-442	X	16	400	349016A160AS	\$ 11,104.40	349016A160CS	\$ 10,704.40
		B	17.40-17.80	442-452				349016B160AS		349016B160CS	
		C	17.70-18.10	450-460				349016C160AS		349016C160CS	
18	450	A	18.40-18.80	467-478	X	2	50	349018A020AS	\$ 2,376.50	349018A020CS	\$ 2,363.90
		B	18.60-19.00	472-483				349018B020AS		349018B020CS	
		C	19.30-19.70	490-500				349018C020AS		349018C020CS	
		D	19.80-20.20	503-513				349018D020AS		349018D020CS	
18	450	A	18.40-18.80	467-478	X	3	80	349018A030AS	\$ 2,401.00	349018A030CS	\$ 2,388.30
		B	18.60-19.00	472-483				349008B030AS		349008B030CS	
		C	19.30-19.70	490-500				349018C030AS		349018C030CS	
		D	19.80-20.20	503-513				349018D030AS		349018D030CS	
18	450	A	18.40-18.80	467-478	X	4	100	349018A040AS	\$ 2,437.80	349018A040CS	\$ 2,424.80
		B	18.60-19.00	472-483				349018B040AS		349018B040CS	
		C	19.30-19.70	490-500				349018C040AS		349018C040CS	
		D	19.80-20.20	503-513				349018D040AS		349018D040CS	
18	450	A	18.40-18.80	467-478	X	6	150	349018A060AS	\$ 2,758.10	349018A060CS	\$ 2,730.30
		B	18.60-19.00	472-483				349018B060AS		349018B060CS	
		C	19.30-19.70	490-500				349018C060AS		349018C060CS	
		D	19.80-20.20	503-513				349018D060AS		349018D060CS	
18	450	A	18.40-18.80	467-478	X	8	200	349018A080AS	\$ 3,200.90	349018A080CS	\$ 3,144.20
		B	18.60-19.00	472-483				349018B080AS		349018B080CS	
		C	19.30-19.70	490-500				349018C080AS		349018C080CS	
		D	19.80-20.20	503-513				349018D080AS		349018D080CS	
18	450	A	18.40-18.80	467-478	X	10	250	349018A100AS	\$ 3,585.70	349018A100CS	\$ 3,452.40
		B	18.60-19.00	472-483				349018B100AS		349018B100CS	
		C	19.30-19.70	490-500				349018C100AS		349018C100CS	
		D	19.80-20.20	503-513				349018D100AS		349018D100CS	
18	400	A	18.40-18.80	467-478	X	12	300	349018A120AS	\$ 3,997.70	349018A120CS	\$ 3,824.00
		B	18.60-19.00	472-483				349018B120AS		349018B120CS	
		C	19.30-19.70	490-500				349018C120AS		349018C120CS	
		D	19.80-20.20	503-513				349018D120AS		349018D120CS	
18	450	A	18.40-18.80	467-478	X	16	300	349018A160AS	\$ 12,432.40	349018A160CS	\$ 11,916.40
		B	18.60-19.00	472-483				349018B160AS		349018B160CS	
		C	19.30-19.70	490-500				349018C160AS		349018C160CS	
		D	19.80-20.20	503-513				349018D160AS		349018D160CS	

3490AS / 3490CS TAP SLEEVE W/FLANGE OUTLET

Nominal Pipe Size		Letter Code	Pipe OD Range		BY	Branch Size		Stainless Steel Flange with Stainless steel bolts and nuts		Carbon Steel Flange with alloy steel bolts and nuts	
Inches	MM		Inches	MM		Inches	MM	Part Number	List Price	Part Number	List Price
18	450	A	18.40-18.80	467-478	X	18	400	N/A	POA	N/A	POA
		B	18.60-19.00	472-483				N/A		N/A	
		C	19.30-19.70	490-500				349018C180AS		349018C180CS	
		D	19.80-20.20	503-513				349018D180AS		349018D180CS	
20	500	A	21.40-21.80	544-554	X	2	50	349020A020AS	\$ 2,505.50	349020A020CS	\$ 2,491.00
		B	21.90-22.30	556-566				349020B020AS		349020B020CS	
20	500	A	21.40-21.80	544-554	X	3	80	349020A030AS	\$ 2,531.30	349020A030CS	\$ 2,516.60
		B	21.90-22.30	556-566				349020B030AS		349020B030CS	
20	500	A	21.40-21.80	544-554	X	4	100	349020A040AS	\$ 2,570.00	349020A040CS	\$ 2,555.20
		B	21.90-22.30	556-566				349020B040AS		349020B040CS	
20	500	A	21.40-21.80	544-554	X	6	150	349020A060AS	\$ 2,761.10	349020A060CS	\$ 2,736.30
		B	21.90-22.30	556-566				349020B060AS		349020B060CS	
20	500	A	21.40-21.80	544-554	X	8	200	349020A080AS	\$ 3,235.70	349020A080CS	\$ 3,175.00
		B	21.90-22.30	556-566				349020B080AS		349020B080CS	
20	500	A	21.40-21.80	544-554	X	10	250	349020A100AS	\$ 3,619.00	349020A100CS	\$ 3,485.70
		B	21.90-22.30	556-566				349020B100AS		349020B100CS	
20	500	A	21.40-21.80	544-554	X	12	300	349020A120AS	\$ 4,151.90	349020A120CS	\$ 3,978.50
		B	21.90-22.30	556-566				349020B120AS		349020B120CS	
20	500	A	21.40-21.80	544-554	X	16	400	349020A160AS	\$ 13,768.40	349020A160CS	\$ 13,368.40
		B	21.90-22.30	556-566				349020B160AS		349020B160CS	
20	500	A	21.40-21.80	544-554	X	18	450	349020A180AS	POA	349020A180CS	POA
		B	21.90-22.30	556-566				349020B180AS		349020B180CS	
20	500	A	21.40-21.80	544-554	X	20	500	349020A200AS	POA	349020A200CS	POA
		B	21.90-22.30	556-566				349020B200AS		349020B200CS	
24	600	A	25.60-26.00	650-660	X	2	50	349024A020AS	\$ 2,640.30	349024A020CS	\$ 2,626.80
		B	26.20-26.60	665-676				349024B020AS		349024B020CS	
24	600	A	25.60-26.00	650-660	X	3	80	349024A030AS	\$ 2,667.60	349024A030CS	\$ 2,653.80
		B	26.20-26.60	665-676				349024B030AS		349024B030CS	
24	600	A	25.60-26.00	650-660	X	4	100	349024A040AS	\$ 2,708.40	349024A040CS	\$ 2,694.50
		B	26.20-26.60	665-676				349024B040AS		349024B040CS	
24	600	A	25.60-26.00	650-660	X	6	150	349024A060AS	\$ 2,953.20	349024A060CS	\$ 2,929.30
		B	26.20-26.60	665-676				349024B060AS		349024B060CS	
24	600	A	25.60-26.00	650-660	X	8	200	349024A080AS	\$ 3,530.30	349024A080CS	\$ 3,476.50
		B	26.20-26.60	665-676				349024B080AS		349024B080CS	
24	600	A	25.60-26.00	650-660	X	10	250	349024A100AS	\$ 3,848.00	349024A100CS	\$ 3,714.80
		B	26.20-26.60	665-676				349024B100AS		349024B100CS	

3490AS / 3490CS TAP SLEEVE W/FLANGE OUTLET

Nominal Pipe Size		Letter Code	Pipe OD Range		BY	Branch Size		Stainless Steel Flange with Stainless steel bolts and nuts		Carbon Steel Flange with alloy steel bolts and nuts	
Inches	MM		Inches	MM		Inches	MM	Part Number	List Price	Part Number	List Price
24	600	A	25.60-26.00	650-660	X	12	300	349024A120AS	\$ 4,380.90	349024A120CS	\$ 4,207.60
		B	26.20-26.60	665-676				349024B120AS		349024B120CS	
24	600	A	25.60-26.00	650-660	X	16	400	349024A160AS	\$ 15,100.40	349024A160CS	\$ 14,700.40
		B	26.20-26.60	665-676				349024B160AS		349024B160CS	
24	600	A	25.60-26.00	650-660	X	18	450	349024A180AS	POA	349024A180CS	POA
		B	26.20-26.60	665-676				349024B180AS		349024B180CS	
24	600	A	25.60-26.00	650-660	X	20	500	349024A200AS	POA	349024A200CS	POA
		B	26.20-26.60	665-676				349024B200AS		349024B200CS	
24	600	A	25.60-26.00	650-660	X	24	600	349024A240AS	POA	349024A240CS	POA
		B	26.20-26.60	665-676				349024B240AS		349024B240CS	

CUSTOM SIZES AVAILABLE.

HOW TO ORDER: Choose the Pipe Size Letter Code corresponding to a Pipe OD Range that covers the Pipe OD to be tapped and then specify the desired branch size. **EXAMPLE:** 16" Asbestos-Cement Class 150 O.D. 18.72 with 8 inch Stainless steel Branch. Order 3490AS -18B x 8. **Part Number:** 349018B080AS .

For Outlet Sizes 14" and above the tapping valve being used must be advised to PowerSeal in order to guarantee proper alignment recess mating. 30", 36", 42", and 48" nominal size sleeves available with outlet sizes 2" through 24".

NOTE: IF STAINLESS STEEL BOLTS ARE REQUIRED WITH CARBON STEEL FLANGED SLEEVE YOU MUST NOTIFY POWERSEAL CUSTOMER SERVICE AT TIME OF ORDERING. ADDITIONAL CHARGES APPLY



COATING OPTION: Anti-Seizing/Galling protection. Available for both Alloy and SST application. Inquire with sales for cost and availability.

3490AS MJ / 3490CS MJ-CS TAP SLEEVE W/MECHANICAL JOINT OUTLET

MJ OUTLET: Type 304 (18-8) Stainless Steel per ASTM A743 and ANSI/AWWA C111. Or Carbon Steel. Solid One-Piece casting.

PANEL: Type 304 (18-8) Stainless Steel per ASTM A240.

SHELL GASKET: SBR Chek-O-Seal with multi o-ring sealing ribs from 100% new rubber to ensure performance under varying pressures with superior storage characteristics. Suitable for mild acids, water and salt media with a temperature range of -25°F to +200°F per ASTM D2000. Other materials available.

BRANCH GASKET: NBR per ASTM D2000 with Hydro TwinSeal® dual o-ring design incorporating both hydrostatic and mechanical forces to affect a dynamic seal.

BOLTS & NUTS: Type 304 (18-8) Stainless Steel per ASTM A193 and A194 for sleeves with Stainless Steel MJ and Low Alloy Steel Bolts and Nuts per ASTM A325 and ASTM A563 for sleeves with Carbon Steel MJ. NOTE: Stainless Steel hex nuts are furnished with fusion bonded coating to prevent seizing and galling.



Nominal Pipe Size		Letter Code	Pipe OD Range		BY	Branch Size		Stainless Steel MJ with Stainless steel bolts and nuts		Carbon Steel MJ with alloy steel bolts and nuts	
Inches	MM		Inches	MM		Inches	MM	Part Number	List Price	Part Number	List Price
4	100	A	4.50-4.70	114-119	X	2	50	349004A020MJ	\$ 1,508.70	349004A020MJ-CS	\$ 1,387.80
		B	4.70-4.90	119-124				349004B020MJ		349004B020MJ-CS	
		C	4.80-5.00	112-127				349004C020MJ		349004C020MJ-CS	
		D	5.10-5.30	130-135				349004D020MJ		349004D020MJ-CS	
		E	5.20-5.40	132-137				349004E020MJ		349004E020MJ-CS	
4	100	A	4.50-4.70	114-119	X	3	80	349004A030MJ	\$ 1,525.30	349004A030MJ-CS	\$ 1,387.80
		B	4.70-4.90	119-124				349004B030MJ		349004B030MJ-CS	
		C	4.80-5.00	112-127				349004C030MJ		349004C030MJ-CS	
		D	5.10-5.30	130-135				349004D030MJ		349004D030MJ-CS	
		E	5.20-5.40	132-137				349004E030MJ		349004E030MJ-CS	
4	100	A	4.50-4.70	114-119	X	4	100	349004A040MJ	\$ 1,525.30	349004A040MJ-CS	\$ 1,387.80
		B	4.70-4.90	119-124				349004B040MJ		349004B040MJ-CS	
		C	4.80-5.00	112-127				349004C040MJ		349004C040MJ-CS	
		D	5.10-5.30	130-135				349004D040MJ		349004D040MJ-CS	
		E	5.20-5.40	132-137				349004E040MJ		349004E040MJ-CS	
6	150	A	6.00-6.20	152-157	X	2	50	349006A020MJ	\$ 1,465.20	349006A020MJ-CS	\$ 1,398.90
		B	6.60-7.00	168-178				349006B020MJ		349006B020MJ-CS	
		C	6.90-7.30	175-185				349006C020MJ		349006C020MJ-CS	
		D	7.10-7.50	180-191				349006D020MJ		349006D020MJ-CS	
6	150	A	6.00-6.20	152-157	X	3	80	349006A030MJ	\$ 1,481.30	349006A030MJ-CS	\$ 1,398.90
		B	6.60-7.00	168-178				349006B030MJ		349006B030MJ-CS	
		C	6.90-7.30	175-185				349006C030MJ		349006C030MJ-CS	
		D	7.10-7.50	180-191				349006D030MJ		349006D030MJ-CS	
6	150	A	6.00-6.20	152-157	X	4	100	349006A040MJ	\$ 1,497.80	349006A040MJ-CS	\$ 1,398.90
		B	6.60-7.00	168-178				349006B040MJ		349006B040MJ-CS	
		C	6.90-7.30	175-185				349006C040MJ		349006C040MJ-CS	
		D	7.10-7.50	180-191				349006D040MJ		349006D040MJ-CS	

3490AS MJ / 3490CS MJ-CS TAP SLEEVE W/MECHANICAL JOINT OUTLET

Nominal Pipe Size		Letter Code	Pipe OD Range		BY	Branch Size		Stainless Steel MJ with Stainless steel bolts and nuts		Carbon Steel MJ with alloy steel bolts and nuts	
Inches	MM		Inches	MM		Inches	MM	Part Number	List Price	Part Number	List Price
6	150	B	6.60-7.00	168-178	X	6	150	349006B060MJ	\$ 1,663.30	349006B060MJ-CS	\$ 1,464.50
		C	6.90-7.30	175-185				349006C060MJ		349006C060MJ-CS	
		D	7.10-7.50	180-191				349006D060MJ		349006D060MJ-CS	
8	200	A	7.90-8.30	201-211	X	2	50	349008A020MJ	\$ 1,555.40	349008A020MJ-CS	\$ 1,506.60
		B	8.60-9.05	218-230				349008B020MJ		349008B020MJ-CS	
		C	9.05-9.45	230-240				349008C020MJ		349008C020MJ-CS	
		D	9.20-9.60	234-244				349008D020MJ		349008D020MJ-CS	
8	200	A	7.90-8.30	201-211	X	3	80	349008A030MJ	\$ 1,572.50	349008A030MJ-CS	\$ 1,506.70
		B	8.60-9.05	218-230				349008B030MJ		349008B030MJ-CS	
		C	9.05-9.45	230-240				349008C030MJ		349008C030MJ-CS	
		D	9.20-9.60	234-244				349008D030MJ		349008D030MJ-CS	
8	200	A	7.90-8.30	201-211	X	4	100	349008A040MJ	\$ 1,590.00	349008A040MJ-CS	\$ 1,506.70
		B	8.60-9.05	218-230				349008B040MJ		349008B040MJ-CS	
		C	9.05-9.45	230-240				349008C040MJ		349008C040MJ-CS	
		D	9.20-9.60	234-244				349008D040MJ		349008D040MJ-CS	
8	200	A	7.90-8.30	201-211	X	6	150	349008A060MJ	\$ 1,785.60	349008A060MJ-CS	\$ 1,578.60
		B	8.60-9.05	218-230				349008B060MJ		349008B060MJ-CS	
		C	9.05-9.45	230-240				349008C060MJ		349008C060MJ-CS	
		D	9.20-9.60	234-244				349008D060MJ		349008D060MJ-CS	
8	200	B	8.60-9.05	218-230	X	8	200	349008B080MJ	\$ 2,476.70	349008B080MJ-CS	\$ 1,871.10
		C	9.05-9.45	230-240				349008C080MJ		349008C080MJ-CS	
		D	9.20-9.60	234-244				349008D080MJ		349008D080MJ-CS	
10	250	A	9.90-10.30	251-262	X	2	50	349010A020MJ	\$ 1,778.30	349010A020MJ-CS	\$ 1,744.40
		B	10.70-11.10	272-282				349010B020MJ		349010B020MJ-CS	
		C	11.10-11.50	282-292				349010C020MJ		349010C020MJ-CS	
		D	11.40-11.80	290-300				349010D020MJ		349010D020MJ-CS	
		E	11.80-12.20	300-310				349010E020MJ		349010E020MJ-CS	
10	250	A	9.90-10.30	251-262	X	3	80	349010A030MJ	\$ 1,797.80	349010A030MJ-CS	\$ 1,744.40
		B	10.70-11.10	272-282				349010B030MJ		349010B030MJ-CS	
		C	11.10-11.50	282-292				349010C030MJ		349010C030MJ-CS	
		D	11.40-11.80	290-300				349010D030MJ		349010D030MJ-CS	
		E	11.80-12.20	300-310				349010E030MJ		349010E030MJ-CS	
10	250	A	9.90-10.30	251-262	X	4	100	349010A040MJ	\$ 1,817.80	349010A040MJ-CS	\$ 1,744.40
		B	10.70-11.10	272-282				349010B040MJ		349010B040MJ-CS	
		C	11.10-11.50	282-292				349010C040MJ		349010C040MJ-CS	
		D	11.40-11.80	290-300				349010D040MJ		349010D040MJ-CS	
		E	11.80-12.20	300-310				349010E040MJ		349010E040MJ-CS	

3490AS MJ / 3490CS MJ-CS TAP SLEEVE W/MECHANICAL JOINT OUTLET

Nominal Pipe Size		Letter Code	Pipe OD Range		BY	Branch Size		Stainless Steel MJ with Stainless steel bolts and nuts		Carbon Steel MJ with alloy steel bolts and nuts	
Inches	MM		Inches	MM		Inches	MM	Part Number	List Price	Part Number	List Price
10	250	A	9.90-10.30	251-262	X	6	150	349010A060MJ	\$ 2,032.20	349010A060MJ-CS	\$ 1,836.70
		B	10.70-11.10	272-282				349010B060MJ		349010B060MJ-CS	
		C	11.10-11.50	282-292				349010C060MJ		349010C060MJ-CS	
		D	11.40-11.80	290-300				349010D060MJ		349010D060MJ-CS	
		E	11.80-12.20	300-310				349010E060MJ		349010E060MJ-CS	
10	250	A	9.90-10.30	251-262	X	8	200	349010A080MJ	\$ 2,520.00	349010A080MJ-CS	\$ 2,181.10
		B	10.70-11.10	272-282				349010B080MJ		349010B080MJ-CS	
		C	11.10-11.50	282-292				349010C080MJ		349010C080MJ-CS	
		D	11.40-11.80	290-300				349010D080MJ		349010D080MJ-CS	
		E	11.80-12.20	300-310				349010E080MJ		349010E080MJ-CS	
10	250	B	10.70-11.10	272-282	X	10	250	349010B100MJ	\$ 3,764.40	349010B100MJ-CS	\$ 3,425.40
		C	11.10-11.50	282-292				349010C100MJ		349010C100MJ-CS	
		D	11.40-11.80	290-300				349010D100MJ		349010D100MJ-CS	
		E	11.80-12.20	300-310				349010E100MJ		349010E100MJ-CS	
12	300	A	11.90-12.30	302-312	X	2	50	349012A020MJ	\$ 1,979.30	349012A020MJ-CS	\$ 1,918.50
		B	12.50-12.90	318-328				349012B020MJ		349012B020MJ-CS	
		C	13.20-13.60	335-345				349012C020MJ		349012C020MJ-CS	
		D	13.40-13.80	340-351				349012D020MJ		349012D020MJ-CS	
		E	13.90-14.30	355-363				349012E020MJ		349012E120MJ-CS	
12	300	A	11.90-12.30	302-312	X	3	80	349012A030MJ	\$ 2,001.20	349012A030MJ-CS	\$ 1,939.60
		B	12.50-12.90	318-328				349012B030MJ		349012B030MJ-CS	
		C	13.20-13.60	335-345				349012C030MJ		349012C030MJ-CS	
		D	13.40-13.80	340-351				349012D030MJ		349012D030MJ-CS	
		E	13.90-14.30	355-363				349012E030MJ		349012E030MJ-CS	
12	300	A	11.90-12.30	302-312	X	4	100	349012A040MJ	\$ 2,023.30	349012A040MJ-CS	\$ 1,961.10
		B	12.50-12.90	318-328				349012B040MJ		349012B040MJ-CS	
		C	13.20-13.60	335-345				349012C040MJ		349012C040MJ-CS	
		D	13.40-13.80	340-351				349012D040MJ		349012D040MJ-CS	
		E	13.90-14.30	355-363				349012E040MJ		349012E040MJ-CS	
12	300	A	11.90-12.30	302-312	X	6	150	349012A060MJ	\$ 2,301.10	349012A060MJ-CS	\$ 2,117.80
		B	12.50-12.90	318-328				349012B060MJ		349012B060MJ-CS	
		C	13.20-13.60	335-345				349012C060MJ		349012C060MJ-CS	
		D	13.40-13.80	340-351				349012D060MJ		349012D060MJ-CS	
		E	13.90-14.30	355-363				349012E060MJ		349012E060MJ-CS	
12	300	A	11.90-12.30	302-312	X	8	200	349012A080MJ	\$ 2,917.80	349012A080MJ-CS	\$ 2,600.00
		B	12.50-12.90	318-328				349012B080MJ		349012B080MJ-CS	
		C	13.20-13.60	335-345				349012C080MJ		349012C080MJ-CS	
		D	13.40-13.80	340-351				349012D080MJ		349012D080MJ-CS	
		E	13.90-14.30	355-363				349012E080MJ		349012E080MJ-CS	

3490AS MJ / 3490CS MJ-CS TAP SLEEVE W/MECHANICAL JOINT OUTLET

Nominal Pipe Size		Letter Code	Pipe OD Range		BY	Branch Size		Stainless Steel MJ with Stainless steel bolts and nuts		Carbon Steel MJ with alloy steel bolts and nuts	
Inches	MM		Inches	MM		Inches	MM	Part Number	List Price	Part Number	List Price
12	300	A	11.90-12.30	302-312	X	10	250	349012A100MJ	\$ 3,695.60	349012A100MJ-CS	\$ 3,400.00
		B	12.50-12.90	318-328				349012B100MJ		349012B100MJ-CS	
		C	13.20-13.60	335-345				349012C100MJ		349012C100MJ-CS	
		D	13.40-13.80	340-351				349012D100MJ		349012D100MJ-CS	
		E	13.90-14.30	355-363				349012E100MJ		349012E100MJ-CS	
12	300	B	12.50-12.90	318-328	X	12	300	349012B120MJ	\$ 3,986.70	349012B120MJ-CS	\$ 3,764.40
		C	13.20-13.60	335-345				349012C120MJ		349012C120MJ-CS	
		D	13.40-13.80	340-351				349012D120MJ		349012D120MJ-CS	
		E	13.90-14.30	355-363				349012E120MJ		349012E120MJ-CS	
14	350	A	15.00-15.40	381-391	X	2	50	349014A020MJ	\$ 2,317.40	349014A020MJ-CS	\$ 2,289.10
		B	15.30-15.70	389-399				349014B020MJ		349014B020MJ-CS	
		C	15.90-16.30	404-414				349014C020MJ		349014C020MJ-CS	
		D	16.40-16.80	417-427				349014D020MJ		349014D020MJ-CS	
14	350	A	15.00-15.40	381-391	X	3	80	349014A030MJ	\$ 2,342.90	349014A030MJ-CS	\$ 2,314.30
		B	15.30-15.70	389-399				349014B030MJ		349014B030MJ-CS	
		C	15.90-16.30	404-414				349014C030MJ		349014C030MJ-CS	
		D	16.40-16.80	417-427				349014D030MJ		349014D030MJ-CS	
14	350	A	15.00-15.40	381-391	X	4	100	349014A040MJ	\$ 2,368.90	349014A040MJ-CS	\$ 2,340.00
		B	15.30-15.70	389-399				349014B040MJ		349014B040MJ-CS	
		C	15.90-16.30	404-414				349014C040MJ		349014C040MJ-CS	
		D	16.40-16.80	417-427				349014D040MJ		349014D040MJ-CS	
14	350	A	15.00-15.40	381-391	X	6	150	349014A060MJ	\$ 2,650.00	349014A060MJ-CS	\$ 2,593.40
		B	15.30-15.70	389-399				349014B060MJ		349014B060MJ-CS	
		C	15.90-16.30	404-414				349014C060MJ		349014C060MJ-CS	
		D	16.40-16.80	417-427				349014D060MJ		349014D060MJ-CS	
14	350	A	15.00-15.40	381-391	X	8	200	349014A080MJ	\$ 3,221.10	349014A080MJ-CS	\$ 3,151.10
		B	15.30-15.70	389-399				349014B080MJ		349014B080MJ-CS	
		C	15.90-16.30	404-414				349014C080MJ		349014C080MJ-CS	
		D	16.40-16.80	417-427				349014D080MJ		349014D080MJ-CS	
14	350	A	15.00-15.40	381-391	X	10	250	349014A100MJ	\$ 4,067.80	349014A100MJ-CS	\$ 3,993.30
		B	15.30-15.70	389-399				349014B100MJ		349014B100MJ-CS	
		C	15.90-16.30	404-414				349014C100MJ		349014C100MJ-CS	
		D	16.40-16.80	417-427				349014D100MJ		349014D100MJ-CS	
14	350	A	15.00-15.40	381-391	X	12	300	349014A120MJ	\$ 4,456.70	349014A120MJ-CS	\$ 4,447.80
		B	15.30-15.70	389-399				349014B120MJ		349014B120MJ-CS	
		C	15.90-16.30	404-414				349014C120MJ		349014C120MJ-CS	
		D	16.40-16.80	417-427				349014D120MJ		349014D120MJ-CS	
16	400	A	17.00-17.40	432-442	X	2	50	349016A020MJ	\$ 2,756.50	349016A020MJ-CS	\$ 2,738.00
		B	17.40-17.80	442-452				349016B020MJ		349016B020MJ-CS	
		C	17.70-18.10	450-460				349016C020MJ		349016C020MJ-CS	

3490AS MJ / 3490CS MJ-CS TAP SLEEVE W/MECHANICAL JOINT OUTLET

Nominal Pipe Size		Letter Code	Pipe OD Range		BY	Branch Size		Stainless Steel MJ with Stainless steel bolts and nuts		Carbon Steel MJ with alloy steel bolts and nuts	
Inches	MM		Inches	MM		Inches	MM	Part Number	List Price	Part Number	List Price
16	400	A	17.00-17.40	432-442	X	3	80	349016A030MJ	\$ 2,786.80	349016A030MJ-CS	\$ 2,768.10
		B	17.40-17.80	442-452				349016B030MJ		349016B030MJ-CS	
		C	17.70-18.10	450-460				349016C030MJ		349016C030MJ-CS	
16	400	A	17.00-17.40	432-442	X	4	100	349016A040MJ	\$ 2,817.80	349016A040MJ-CS	\$ 2,798.90
		B	17.40-17.80	442-452				349016B040MJ		349016B040MJ-CS	
		C	17.70-18.10	450-460				349016C040MJ		349016C040MJ-CS	
16	400	A	17.00-17.40	432-442	X	6	150	349016A060MJ	\$ 3,254.40	349016A060MJ-CS	\$ 3,210.00
		B	17.40-17.80	442-452				349016B060MJ		349016B060MJ-CS	
		C	17.70-18.10	450-460				349016C060MJ		349016C060MJ-CS	
16	400	A	17.00-17.40	432-442	X	8	200	349016A080MJ	\$ 3,595.60	349016A080MJ-CS	\$ 3,528.90
		B	17.40-17.80	442-452				349016B080MJ		349016B080MJ-CS	
		C	17.70-18.10	450-460				349016C080MJ		349016C080MJ-CS	
16	400	A	17.00-17.40	432-442	X	10	250	349016A100MJ	\$ 3,839.90	349016A100MJ-CS	\$ 3,782.00
		B	17.40-17.80	442-452				349016B100MJ		349016B100MJ-CS	
		C	17.70-18.10	450-460				349016C100MJ		349016C100MJ-CS	
16	400	A	17.00-17.40	432-442	X	12	300	349016A120MJ	\$ 4,812.20	349016A120MJ-CS	\$ 4,754.40
		B	17.40-17.80	442-452				349016B120MJ		349016B120MJ-CS	
		C	17.70-18.10	450-460				349016C120MJ		349016C120MJ-CS	
16	400	A	17.00-17.40	432-442	X	14	350	349016A140MJ	POA	349016A140MJ-CS	N/A
		B	17.40-17.80	442-452				349016B140MJ		349016B140MJ-CS	
		C	17.70-18.10	450-460				349016C140MJ		349016C140MJ-CS	
16	400	A	17.00-17.40	432-442	X	16	400	349016A160MJ	\$ 10,770.50	349016A160MJ-CS	POA
		B	17.40-17.80	442-452				349016B160MJ		349016B160MJ-CS	
		C	17.70-18.10	450-460				349016C160MJ		349016C160MJ-CS	
18	450	A	18.40-18.80	467-478	X	2	50	349018A020MJ	\$ 2,756.50	349018A020MJ-CS	\$ 2,738.00
		B	18.60-19.00	472-483				349018B020MJ		349018B020MJ-CS	
		C	19.30-19.70	490-500				349018C020MJ		349018C020MJ-CS	
		D	19.80-20.20	503-513				349018D020MJ		349018D020MJ-CS	
18	450	A	18.40-18.80	467-478	X	3	80	349018A030MJ	\$ 2,786.80	349018A030MJ-CS	\$ 2,768.20
		B	18.60-19.00	472-483				349018B030MJ		349018B030MJ-CS	
		C	19.30-19.70	490-500				349018C030MJ		349018C030MJ-CS	
		D	19.80-20.20	503-513				349018D030MJ		349018D030MJ-CS	
18	450	A	18.40-18.80	467-478	X	4	100	349018A040MJ	\$ 2,817.80	349018A040MJ-CS	\$ 2,798.90
		B	18.60-19.00	472-483				349018B040MJ		349018B040MJ-CS	
		C	19.30-19.70	490-500				349018C040MJ		349018C040MJ-CS	
		D	19.80-20.20	503-513				349018D040MJ		349018D040MJ-CS	
18	450	A	18.40-18.80	467-478	X	6	150	349018A060MJ	\$ 3,254.40	349018A060MJ-CS	\$ 3,210.00
		B	18.60-19.00	472-483				349018B060MJ		349018B060MJ-CS	
		C	19.30-19.70	490-500				349018C060MJ		349018C060MJ-CS	
		D	19.80-20.20	503-513				349018D060MJ		349018D060MJ-CS	

3490AS MJ / 3490CS MJ-CS TAP SLEEVE W/MECHANICAL JOINT OUTLET

Nominal Pipe Size		Letter Code	Pipe OD Range		BY	Branch Size		Stainless Steel MJ with Stainless steel bolts and nuts		Carbon Steel MJ with alloy steel bolts and nuts	
Inches	MM		Inches	MM		Inches	MM	Part Number	List Price	Part Number	List Price
18	450	A	18.40-18.80	467-478	X	8	200	349018A080MJ	\$ 3,822.20	349018A080MJ-CS	\$ 3,757.80
		B	18.60-19.00	472-483				349018B080MJ		349018B080MJ-CS	
		C	19.30-19.70	490-500				349018C080MJ		349018C080MJ-CS	
		D	19.80-20.20	503-513				349018D080MJ		349018D080MJ-CS	
18	450	A	18.40-18.80	467-478	X	10	250	349018A100MJ	\$ 5,328.00	349018A100MJ-CS	\$ 5,141.30
		B	18.60-19.00	472-483				349018B100MJ		349018B100MJ-CS	
		C	19.30-19.70	490-500				349018C100MJ		349018C100MJ-CS	
		D	19.80-20.20	503-513				349018D100MJ		349018D100MJ-CS	
18	450	A	18.40-18.80	467-478	X	12	300	349018A120MJ	\$ 7,043.60	349018A120MJ-CS	\$ 6,816.90
		B	18.60-19.00	472-483				349018B120MJ		349018B120MJ-CS	
		C	19.30-19.70	490-500				349018C120MJ		349018C120MJ-CS	
		D	19.80-20.20	503-513				349018D120MJ		349018D120MJ-CS	
18	450	A	18.40-18.80	467-478	X	14	350	349018A140MJ	POA	N/A	N/A
		B	18.60-19.00	472-483				349018B140MJ		N/A	
		C	19.30-19.70	490-500				349018C140MJ		N/A	
		D	19.80-20.20	503-513				349018D140MJ		N/A	
18	450	A	18.40-18.80	467-478	X	16	300	349018A160MJ	\$ 15,984.00	349018A160MJ-CS	POA
		B	18.60-19.00	472-483				349018B160MJ		349018B160MJ-CS	
		C	19.30-19.70	490-500				349018C160MJ		349018C160MJ-CS	
		D	19.80-20.20	503-513				349018D160MJ		349018D160MJ-CS	
18	450	A	18.40-18.80	467-478	X	18	400	N/A	POA	N/A	N/A
		B	18.60-19.00	472-483				N/A		N/A	
		C	19.30-19.70	490-500				349018C180MJ		N/A	
		D	19.80-20.20	503-513				349018D180MJ		N/A	
20	500	A	21.40-21.80	544-554	X	2	50	349020A020MJ	\$ 2,904.30	349020A020MJ-CS	\$ 2,883.70
		B	21.90-22.30	556-566				349020B020MJ		349020B020MJ-CS	
20	500	A	21.40-21.80	544-554	X	3	80	349020A030MJ	\$ 2,936.30	349020A030MJ-CS	\$ 2,915.40
		B	21.90-22.30	556-566				349020B030MJ		349020B030MJ-CS	
20	500	A	21.40-21.80	544-554	X	4	100	349020A040MJ	\$ 2,968.90	349020A040MJ-CS	\$ 2,947.80
		B	21.90-22.30	556-566				349020B040MJ		349020B040MJ-CS	
20	500	A	21.40-21.80	544-554	X	6	150	349020A060MJ	\$ 3,255.60	349020A060MJ-CS	\$ 3,216.70
		B	21.90-22.30	556-566				349020B060MJ		349020B060MJ-CS	
20	500	A	21.40-21.80	544-554	X	8	200	349020A080MJ	\$ 3,860.00	349020A080MJ-CS	\$ 3,794.40
		B	21.90-22.30	556-566				349020B080MJ		349020B080MJ-CS	
20	500	A	21.40-21.80	544-554	X	10	250	349020A100MJ	\$ 4,663.10	349020A100MJ-CS	\$ 4,507.60
		B	21.90-22.30	556-566				349020B100MJ		349020B100MJ-CS	
20	500	A	21.40-21.80	544-554	X	12	300	349020A120MJ	\$ 5,996.40	349020A120MJ-CS	\$ 5,807.60
		B	21.90-22.30	556-566				349020B120MJ		349020B120MJ-CS	
20	500	A	21.40-21.80	544-554	X	14	250	349020A140MJ	POA	N/A	N/A
		B	21.90-22.30	556-566				349020B140MJ		N/A	
20	500	A	21.40-21.80	544-554	X	16	400	349020A160MJ	\$ 13,597.60	349020A160MJ-CS	POA
		B	21.90-22.30	556-566				349020B160MJ		349020B160MJ-CS	

3490AS MJ / 3490CS MJ-CS TAP SLEEVE W/MECHANICAL JOINT OUTLET

Nominal Pipe Size		Letter Code	Pipe OD Range		BY	Branch Size		Stainless Steel MJ with Stainless steel bolts and nuts		Carbon Steel MJ with alloy steel bolts and nuts	
Inches	MM		Inches	MM		Inches	MM	Part Number	List Price	Part Number	List Price
20	500	A	21.40-21.80	544-554	X	18	450	349020A180MJ	POA	N/A	N/A
		B	21.90-22.30	556-566				349020B180MJ		N/A	
20	500	A	21.40-21.80	544-554	X	20	500	349020A200MJ	POA	N/A	N/A
		B	21.90-22.30	556-566				349020B200MJ		N/A	
24	600	A	25.60-26.00	650-660	X	2	50	349024A020MJ	\$ 3,054.30	349024A020MJ-CS	\$ 3,033.70
		B	26.20-26.60	665-676				349024B020MJ		349024B020MJ-CS	
24	600	A	25.60-26.00	650-660	X	3	80	349024A030MJ	\$ 3,087.90	349024A030MJ-CS	\$ 3,067.00
		B	26.20-26.60	665-676				349024B030MJ		349024B030MJ-CS	
24	600	A	25.60-26.00	650-660	X	4	100	349024A040MJ	\$ 3,122.20	349024A040MJ-CS	\$ 3,101.10
		B	26.20-26.60	665-676				349024B040MJ		349024B040MJ-CS	
24	600	A	25.60-26.00	650-660	X	6	150	349024A060MJ	\$ 3,472.20	349024A060MJ-CS	\$ 3,432.20
		B	26.20-26.60	665-676				349024B060MJ		349024B060MJ-CS	
24	600	A	25.60-26.00	650-660	X	8	200	349024A080MJ	\$ 4,187.80	349024A080MJ-CS	\$ 4,130.00
		B	26.20-26.60	665-676				349024B080MJ		349024B080MJ-CS	
24	600	A	25.60-26.00	650-660	X	10	250	349024A100MJ	\$ 4,828.90	349024A100MJ-CS	\$ 4,674.10
		B	26.20-26.60	665-676				349024B100MJ		349024B100MJ-CS	
24	600	A	25.60-26.00	650-660	X	12	300	349024A120MJ	\$ 6,329.20	349024A120MJ-CS	\$ 6,140.30
		B	26.20-26.60	665-676				349024B120MJ		349024B120MJ-CS	
24	600	A	25.60-26.00	650-660	X	14	350	349024A140MJ	POA	N/A	N/A
		B	26.20-26.60	665-676				349024B140MJ		N/A	
24	600	A	25.60-26.00	650-660	X	16	400	349024A160MJ	\$ 14,430.00	349024A160MJ-CS	POA
		B	26.20-26.60	665-676				349024B160MJ		349024B160MJ-CS	
24	600	A	25.60-26.00	650-660	X	18	450	349024A180MJ	POA	N/A	N/A
		B	26.20-26.60	665-676				349024B180MJ		N/A	
24	600	A	25.60-26.00	650-660	X	20	500	349024A200MJ	POA	N/A	N/A
		B	26.20-26.60	665-676				349024B200MJ		N/A	
24	600	A	25.60-26.00	650-660	X	24	600	349024A240MJ	POA	N/A	N/A
		B	26.20-26.60	665-676				349024B240MJ		N/A	

CUSTOM SIZES AVAILABLE.

HOW TO ORDER: Choose the Pipe Size Letter Code corresponding to a Pipe OD Range that covers the Pipe OD to be tapped and then specify the desired branch size. **EXAMPLE:** 16" Asbestos-Cement Class 150 O.D. 18.72 with 8 inch Stainless Steel MJ Branch. Order 3490MJ -18B x 8. **Part Number:** 349018B080MJ

For Outlet Sizes 14" and above the tapping valve being used must be advised to PowerSeal in order to guarantee proper alignment recess mating. 30", 36", 42", and 48" nominal size sleeves available with outlet sizes 2" through 24".

*Manufactured under U.S. Patents 6,330,771.

NOTE: IF STAINLESS STEEL BOLTS ARE REQUIRED WITH CARBON STEEL MJ BRANCH SLEEVE YOU MUST NOTIFY POWERSEAL CUSTOMER SERVICE AT TIME OF ORDERING. ADDITIONAL CHARGES APPLY

3495AS TAP SLEEVE W/THREADED OUTLET

(FOR UNIQUE TAPPING REQUIREMENTS, LARGER DIAMETER PIPES AND THIN WALL PIPE NEEDING STABILIZATION)

OUTLET: Type 304 (18-8) Stainless Steel Per ASTM A276.

PANEL: Type 304 (18-8) Stainless Steel per ASTM A240.

BRANCH GASKET: NBR per ASTM D2000 with Hydro TwinSeal® dual o-ring design incorporating both hydrostatic and mechanical forces to affect a dynamic seal.

BOLTS & NUTS: Type 304 (18-8) Stainless Steel per ASTM A193 and A194 or Low Alloy Bolts and Nuts per ASTM A325 and ASTM A563. NOTE: Stainless Steel Hex nuts are furnished with fusion bonded coating to prevent seizing and galling.



Nominal Pipe Size		Letter Code	Pipe OD Range		Outlet Size	Part Number	List Price	Weight	
Inches	MM		Inches	MM				lbs	kgs
4	100	A	4.5	114	3/4 NPT	349504A075TC	\$ 780.00	21	9
					1 NPT	349504A100TE			
					1 1/4 NPT	349504A125TG			
					1 1/2 NPT	349504A150TI			
					2 NPT	349504A200TK			
					3 NPT	349504A300TP			
					4NPT	349504A400TM	\$ 903.50		
4	100	B	4.8	121	3/4 NPT	349504B075TC	\$ 780.00	21	9
					1 NPT	349504B100TE			
					1 1/4 NPT	349504B125TG			
					1 1/2 NPT	349504B150TI			
					2 NPT	349504B200TK			
					3 NPT	349504B300TP			
					4NPT	349504B400TM	\$ 903.50		
6	150	A	6.63	168	3/4 NPT	349506A075TC	\$ 844.80	23	10
					1 NPT	349506A100TE			
					1 1/4 NPT	349506A125TG			
					1 1/2 NPT	349506A150TI			
					2 NPT	349506A200TK			
					3 NPT	349506A300TP			
					4 NPT	349506A400TM	\$ 965.40		
6	150	B	6.90	175	3/4 NPT	349506B075TC	\$ 844.80	23	10
					1 NPT	349506B100TE			
					1 1/4 NPT	349506B125TG			
					1 1/2 NPT	349506B150TI			
					2 NPT	349506B200TK			
					3 NPT	349506B300TP			
					4 NPT	349506B400TM	\$ 965.40		

3495AS TAP SLEEVE W/THREADED OUTLET

Nominal Pipe Size		Letter Code	Pipe OD Range		Outlet Size	Part Number	List Price	Weight	
Inches	MM		Inches	MM				lbs	kgs
8	200	A	8.63	219	3/4 NPT	349508A075TC	\$ 887.50	31	14
					1 NPT	349508A100TE			
					1 1/4 NPT	349508A125TG			
					1 1/2 NPT	349508A150TI			
					2 NPT	349508A200TK			
					3 NPT	349508A300TP			
					4 NPT	349508A400TM	\$ 1,010.90	33	14
8	200	B	9.05	229	3/4 NPT	349508B075TC	\$ 887.50	31	14
					1 NPT	349508B100TE			
					1 1/4 NPT	349508B125TG			
					1 1/2 NPT	349508B150TI			
					2 NPT	349508B200TK			
					3 NPT	349508B300TP			
					4 NPT	349508B400TM	\$ 1,010.90	33	14
10	250	A	10.75	273	3/4 NPT	349510A075TC	\$ 936.30	38	17
					1 NPT	349510A100TE			
					1 1/4 NPT	349510A125TG			
					1 1/2 NPT	349510A150TI			
					2 NPT	349510A200TK			
					3 NPT	349510A300TP			
					4 NPT	349510A400TM	\$ 1,100.50	40	18
10	250	B	11.10	281	3/4 NPT	349510B075TC	\$ 936.30	38	17
					1 NPT	349510B100TE			
					1 1/4 NPT	349510B125TG			
					1 1/2 NPT	349510B150TI			
					2 NPT	349510B200TK			
					3 NPT	349510B300TP			
					4 NPT	349510B400TM	\$ 1,100.50	40	18
12	300	A	12.75	323	3/4 NPT	349512A075TC	\$ 990.00	48	21
					1 NPT	349512A100TE			
					1 1/4 NPT	349512A125TG			
					1 1/2 NPT	349512A150TI			
					2 NPT	349512A200TK			
					3 NPT	349512A300TP			
					4 NPT	349512A400TM	\$ 1,153.20	51	23
12	300	B	13.20	335	3/4 NPT	349512B075TC	\$ 990.00	48	21
					1 NPT	349512B100TE			
					1 1/4 NPT	349512B125TG			
					1 1/2 NPT	349512B150TI			
					2 NPT	349512B200TK			
					3 NPT	349512B300TP			
					4 NPT	349512B400TM	\$ 1,153.20	51	23

3495AS TAP SLEEVE W/THREADED OUTLET

Nominal Pipe Size		Letter Code	Pipe OD Range		Outlet Size	Part Number	List Price	Weight				
Inches	MM		Inches	MM				lbs	kgs			
14	350	A	14.59-15.08	370-383	3/4 NPT	349514A075TC	\$ 1,163.20	54	24			
					1 NPT	349514A100TE						
					1 1/4 NPT	349514A125TG						
					1 1/2 NPT	349514A150TI						
					2 NPT	349514A200TK						
					3 NPT	349514A300TP						
					4 NPT	349514A400TM	\$ 1,330.30					
14	350	B	15.23-15.80	386-401	3/4 NPT	349514B075TC	\$ 1,163.20	57	25			
					1 NPT	349514B100TE						
					1 1/4 NPT	349514B125TG						
					1 1/2 NPT	349514B150TI						
					2 NPT	349514B200TK						
					3 NPT	349514B300TP						
					4 NPT	349514B400TM	\$ 1,330.30					
		C	16.30-16.70	414-424	3/4 NPT	349514C075TC	\$ 1,163.20	60	27			
					1 NPT	349514C100TE						
					1 1/4 NPT	349514C125TG						
					1 1/2 NPT	349514C150TI						
					2 NPT	349514C200TK						
					3 NPT	349514C300TP	\$ 1,330.30					
					4 NPT	349514C400TM						
16	400	A	17.33-17.87	440-453	3/4 NPT	349516A075TC	\$ 1,214.90	64	29			
					1 NPT	349516A100TE						
					1 1/4 NPT	349516A125TG						
					1 1/2 NPT	349516A150TI						
					2 NPT	349516A200TK						
					3 NPT	349516A300TP						
					4 NPT	349516A400TM	\$ 1,379.00					
		B	18.62-19.19	472-487	3/4 NPT	349516B075TC	\$ 1,214.90	68	30			
					1 NPT	349516B100TE						
					1 1/4 NPT	349516B125TG						
1 1/2 NPT	349516B150TI	\$ 1,214.90	68	30								
16	400				B	18.62-19.19	472-487	2 NPT	349516B200TK	\$ 1,214.90	68	30
								3 NPT	349516B300TP			
		4 NPT	349516B400TM									

3495AS TAP SLEEVE W/THREADED OUTLET

Nominal Pipe Size		Letter Code	Pipe OD Range		Outlet Size	Part Number	List Price	Weight	
Inches	MM		Inches	MM				lbs	kgs
18	450	A	19.41-20.01	493-508	3/4 NPT	349518A075TC	\$ 1,264.60	72	32
					1 NPT	349518A100TE			
					1 1/4 NPT	349518A125TG			
					1 1/2 NPT	349518A150TI			
					2 NPT	349518A200TK			
					3 NPT	349518A300TP			
					4 NPT	349518A400TM	\$ 1,432.80		
		B	20.93-21.57	531-547	3/4 NPT	349518B075TC	\$ 1,264.60	77	34
					1 NPT	349518B100TE			
					1 1/4 NPT	349518B125TG			
					1 1/2 NPT	349518B150TI			
					2 NPT	349518B200TK			
					3 NPT	349518B300TP			
					4 NPT	349518B400TM	\$ 1,432.80		
20	500	A	21.51-22.15	546-562	3/4 NPT	349520A075TC	\$ 1,323.40	80	36
					1 NPT	349520A100TE			
					1 1/4 NPT	349520A125TG			
					1 1/2 NPT	349520A150TI			
					2 NPT	349520A200TK			
					3 NPT	349520A300TP			
					4 NPT	349520A400TM	\$ 1,492.50		
		B	23.46-24.16	595-613	3/4 NPT	349520B075TC	\$ 1,323.40	87	39
					1 NPT	349520B100TE			
					1 1/4 NPT	349520B125TG			
					1 1/2 NPT	349520B150TI			
					2 NPT	349520B200TK			
					3 NPT	349520B300TP			
					4 NPT	349520B400TM	\$ 1,492.50		
24	600	A	25.71-26.41	653-670	3/4 NPT	349524A075TC	\$ 1,432.80	95	43
					1 NPT	349524A100TE			
					1 1/4 NPT	349524A125TG			
					1 1/2 NPT	349524A150TI			
					2 NPT	349524A200TK			
					3 NPT	349524A300TP			
					4 NPT	349524A400TM	\$ 1,593.00		
		B	28.14-28.84	714- 732	3/4 NPT	349524B075TC	\$ 1,432.80	104	47
					1 NPT	349524B100TE			
					1 1/4 NPT	349524B125TG			
					1 1/2 NPT	349524B150TI			
					2 NPT	349524B200TK			
					3 NPT	349524B300TP			
					4 NPT	349524B400TM	\$ 1,596.00		

3495AS TAP SLEEVE W/THREADED OUTLET

Nominal Pipe Size		Letter Code	Pipe OD Range		Outlet Size	Part Number	List Price	Weight	
Inches	MM		Inches	MM				lbs	kgs
30	750	A	31.52-32.22	800-818	3/4 NPT	349530A075TC	\$ 1,553.20	115	52
					1 NPT	349530A100TE			
					1 1/4 NPT	349530A125TG			
					1 1/2 NPT	349530A150TI			
					2 NPT	349530A200TK			
					3 NPT	349530A300TP			
					4 NPT	349530A400TM	\$ 1,719.40		
36	900	A	38.10-38.75	967-984	3/4 NPT	349536A075TC	\$ 1,711.40	139	63
					1 NPT	349536A100TE			
					1 1/4 NPT	349536A125TG			
					1 1/2 NPT	349536A150TI			
					2 NPT	349536A200TK			
					3 NPT	349536A300TP			
					4 NPT	349536A400TM	\$ 1,880.60		
42	1050	A	44.10-44.70	1120-1135	3/4 NPT	349542A075TC	\$ 1,854.70	160	72
					1 NPT	349542A100TE			
					1 1/4 NPT	349542A125TG			
					1 1/2 NPT	349542A150TI			
					2 NPT	349542A200TK			
					3 NPT	349542A300TP			
					4 NPT	349542A400TM	\$ 2,022.80		
48	1200	A	50.40-51.00	1280-1295	3/4 NPT	349548A075TC	\$ 2,371.00	183	83
					1 NPT	349548A100TE			
					1 1/4 NPT	349548A125TG			
					1 1/2 NPT	349548A150TI			
					2 NPT	349548A200TK			
					3 NPT	349548A300TP			
					4 NPT	349548A400TM	\$ 2,720.30		
54	1650	A	56.60-57.25	1437-1454	3/4 NPT	349554A075TC	\$ 2,552.20	205	92
					1 NPT	349554A100TE			
					1 1/4 NPT	349554A125TG			
					1 1/2 NPT	349554A150TI			
					2 NPT	349554A200TK			
					3 NPT	349554A300TP			
					4 NPT	349554A400TM	\$ 2,720.30		

CUSTOM SIZES AVAILABLE.

Other options: CC thread configurations. All 316 Stainless Steel material also an option. (Additional charges apply)

HOW TO ORDER: Choose the Pipe Size Letter Code corresponding to a Pipe OD Range that covers the Pipe OD to be tapped and then specify the desired Outlet size. **EXAMPLE:** 16" Asbestos-Cement Class 150 O.D. 18.72 with 1" NPT Threaded Outlet . Order 3495AS-16B x 1 NPT. **Part Number:** 349516B100TE



PowerSeal

PIPELINE PRODUCTS CORPORATION



Couplings
January 2015

3501 TRANSITION COUPLING

CENTER BARREL: Ductile Iron per ASTM A536 and AWWA C219.

GASKET: SBR per ASTM D2000 with transition design produced from 100% new rubber to ensure performance under varying pressures with superior storage characteristics per AWWA C219. Suitable for mild acids, water and salt media with a temperature range of -25° to +200° F. Other materials available.

BOLTS & NUTS: Low Alloy Steel per ASTM A325, ASTM A563, and AWWA C219. Type 304 (18-8) Stainless Steel per ASTM A193 and A194.

GLANDS: Ductile Iron per ASTM A536 and AWWA C219.

FINISH: Epoxy.



Nominal Pipe Size		Pipe OD Range		Approx. Weight		Barrel Length		Bolts	Qty	Part Number	List Price	Part Number w/ SST N&Bs	List Price w/ SST N&Bs
Inches	MM		Inches	MM	lbs	kgs	Inches	MM					
2	50	A	2.35-2.63	60-67	8	4	5	125	2	350102A00000	\$ 71.20	350102A0SS00	\$ 106.50
2 1/2	65	A	2.69-2.88	68-73	10	5	5	125	2	3501025A0000	\$ 92.00	3501025ASS00	\$ 130.40
3	80	A	3.25-3.55	83-90	13	6	5	125	3	350103A00000	\$ 117.00	350103A0SS00	\$ 198.10
		B	3.70-4.00	94-102						350103B00000		350103B0SS00	
		C	3.95-4.25	100-108						350103C00000		350103C0SS00	
4	100	OD	4.00-4.13	102-105	19	8	6	150	4	3501040D0000	\$ 146.20	3501040DSS00	\$ 218.80
		AA	4.20-4.50	107-144						350104AA0000		350104AASS00	
		A	4.50-4.85	114-123						350104A00000		350104A0SS00	
		B	4.80-5.10	122-130						350104B00000		350104B0SS00	
		C	5.05-5.40	128-137						350104C00000		350104C0SS00	
6	150	OD	6.00-6.14	152-156	27	12	6	150	5	3501060D0000	\$ 187.50	3501060DSS00	\$ 260.30
		AA	6.27-6.72	159-171						350106AA0000		350106AASS00	
		A	6.62-6.95	168-177						350106A00000		350106A0SS00	
		B	6.90-7.22	175-183						350106B00000		350106B0SS00	
		C	7.19-7.45	183-189						350106C00000		350106C0SS00	
8	200	OD	8.00-8.16	203-207	38	17	6	150	6	3501080D0000	\$ 237.00	3501080DSS00	\$ 326.60
		AA	8.40-8.82	213-224						350108AA0000		350108AASS00	
		A	8.62-9.05	219-230						350108A00000		350108A0SS00	
		B	9.05-9.45	230-240						350108B00000		350108B0SS00	
		C	9.10-9.79	231-249						350108C00000		350108C0SS00	
10	250	A	10.70-11.10	272-282	52	24	6	150	7	350110A00000	\$ 329.10	350110A0SS00	\$ 429.10
		B	11.10-11.50	282-292						350110B00000		350110B0SS00	
		C	11.60-12.12	295-308						350110C00000		350110C0SS00	
12	300	A	12.75-13.20	324-335	70	32	6	150	8	350112A00000	\$ 396.30	350112A0SS00	\$ 521.60
		B	13.20-13.50	335-343						350112B00000		350112B0SS00	
		C	13.78-14.38	350-365						350112C00000		350112C0SS00	
14	350	A	15.30-15.70	389-399	91	41	6	150	9	350114A00000	\$ 666.70	350114A0SS00	\$ 855.20
		B	16.00-16.40	406-417						350114B00000		350114B0SS00	
		C	16.40-16.88	417-429						350114C00000		350114C0SS00	
16	400	A	17.15-17.40	436-442	105	48	6	150	10	350116A00000	\$ 886.50	350116A0SS00	\$ 1,137.10
		B	17.40-17.80	442-457						350116B00000		350116B0SS00	
		C	18.46-19.00	469-483						350116C00000		350116C0SS00	

3501 TRANSITION COUPLING

Nominal Pipe Size			Pipe OD Range		Approx. Weight		Barrel Length		Bolts	Part Number	List Price	Part Number w/ SST N&Bs	List Price w/ SST N&Bs
Inches	MM		Inches	MM	lbs	kgs	Inches	MM	Qty				
18	450	A	18.70-19.10	475-485	128	58	7	180	12	350118A00000	\$ 1,156.80	350118A0SS00	\$ 1,313.10
		B	19.10-19.70	485-500						350118B00000		350118B0SS00	
		C	19.70-20.25	500-514						350118C00000		350118C0SS00	
20	500	A	20.80-21.35	528-542	140	64	7	180	12	350120A00000	\$ 1,538.90	350120A0SS00	\$ 1,711.40
		B	21.35-21.75	542-552						350120B00000		350120B0SS00	
		C	21.75-22.25	552-565						350120C00000		350120C0SS00	
24	600	A	25.00-25.80	635-655	230	105	10	250	14	350124A00000	\$ 2,359.80	350124A0SS00	\$ 2,573.50
		B	26.10-26.32	663-669						350124B00000		350124B0SS00	
30	750	A	31.74-32.00	806-813	280	127	10	250	14	350130A00000	\$ 4,072.70	350130A0SS00	POA
		B	32.40-32.74	823-832						350130B00000		350130B0SS00	
36	900	AA	37.93-38.54	963-979	919	418	16	400	16	350136AA0000	\$ 16,515.70	350136AASS00	POA
		A	38.54-39.16	979-995						350136A00000		350136A0SS00	
		B	39.16-39.55	995-1005						350136B00000		350136B0SS00	
		C	39.55-40.05	1005-1007						350136C00000		350136C0SS00	
48	1200	AA	50.10-50.72	1273-1288	1531	696	16	400	16	350148AA0000	\$ 20,916.00	350148AASS00	POA
		A	50.72-51.34	1288-1304						350148A00000		350148A0SS00	
		B	51.34-51.72	1304-1314						350148B00000		350148B0SS00	
		C	51.72-52.06	1314-1322						350148C00000		350148C0SS00	

Note: Protection against possible pull out of pipe ends is not provided with cast couplings unless pipe is restrained.

Any combination of Pipe OD Ranges can be paired within a nominal Pipe Size to make a Transition connection. Example: to connect 4 inch Steel (4.50 OD) to 4

inch Asbestos-Cement (5.33 OD) order the 4AC Coupling. The 'A' Range will fit 4.50 to 4.85 pipe ODs and the 'C' range fits 5.05 to 5.40 pipe ODs.

HOW TO ORDER: Specify Model Number, Pipe Size with Letter Code(s). **EXAMPLE:** 6" Steel O.D. 6.63 to 6" Asbestos Cement O.D. 7.37. Order 3501 - 6AC. **Part Number:** 350106AC0000 .

Note: The Model 3501 is available in a domestic produced version. Please consult your customer service person concerning this option. Deliveries will vary.



COATING OPTION: Anti-Seizing/Galling protection. Available for both Alloy and SST application. Inquire with sales for cost and availability.

3501LB LONG BARREL TRANSITION COUPLING

CENTER BARREL: Ductile Iron per ASTM A536 and AWWA C219.

GASKET: SBR per ASTM D2000 with transition design produced from 100% new rubber to ensure performance under varying pressures with superior storage characteristics per AWWA C219. Suitable for mild acids, water and salt media with a temperature range of -25° to +200° F. Other materials available

BOLTS & NUTS: Low Alloy Steel per ASTM A325, ASTM A563, and AWWA C219. Type 304 (18-8) Stainless Steel per ASTM A193 and A194.

GLANDS: Ductile Iron per ASTM A536 and AWWA C219.

FINISH: Epoxy.



Nominal Pipe Size			Pipe OD Range		Approx. Weight		Barrel Length		Bolts	Part Number	List Price	Part Number w/ SST N&Bs	List Price w/ SST N&Bs
Inches	MM		Inches	MM	lbs	kgs	Inches	MM	Qty				
2	50	A	2.35-2.63	60-67	13	6	12	300	2	350102A000LB	\$ 246.10	350102A0SSLB	\$ 295.40
4	100	OD	4.00-4.13	102-105	32	15	12	300	4	350104OD00LB	\$ 302.70	350104ODSSLB	\$ 363.80
		AA	4.20-4.50	107-144						350104AA00LB		350104AASSLB	
		A	4.50-4.85	114-123						350104A000LB		350104A0SSLB	
		B	4.80-5.10	122-130						350104B000LB		350104B0SSLB	
		C	5.05-5.40	128-137						350104C000LB		350104C0SSLB	
6	150	OD	6.00-6.14	152-156	45	20	12	300	5	350106OD00LB	\$ 373.00	350106ODSSLB	\$ 449.30
		AA	6.27-6.72	159-171						350106AA00LB		350106AASSLB	
		A	6.62-6.95	168-177						350106A000LB		350106A0SSLB	
		B	6.90-7.22	175-183						350106B000LB		350106B0SSLB	
		C	7.19-7.45	183-189						350106C000LB		350106C0SSLB	
8	200	OD	8.00-8.16	203-207	56	25	12	300	6	350108OD00LB	\$ 476.80	350108ODSSLB	\$ 568.40
		AA	8.40-8.82	213-224						350108AA00LB		350108AASSLB	
		A	8.62-9.05	219-230						350108A000LB		350108A0SSLB	
		B	9.05-9.45	230-240						350108B000LB		350108B0SSLB	
		C	9.10-9.79	231-249						350108C000LB		350108C0SSLB	
10	250	A	10.70-11.10	272-282	87	39	12	300	7	350110A000LB	\$ 658.00	350110A0SSLB	\$ 786.30
		B	11.10-11.50	282-292						350110B000LB		350110B0SSLB	
		C	11.60-12.12	295-308						350110C000LB		350110C0SSLB	
12	300	A	12.75-13.20	324-335	122	55	12	300	8	350112A000LB	\$ 773.00	350112A0SSLB	\$ 919.60
		B	13.20-13.50	335-343						350112B000LB		350112B0SSLB	
		C	13.78-14.38	350-365						350112C000LB		350112C0SSLB	
		A	12.75-13.20	324-335	140	62	16	400		350112A000LB-16	\$ 838.30	350112A0SSLB-16	\$ 993.40
		B	13.20-13.50	335-343						350112B000LB-16		350112B0SSLB-16	
		C	13.78-14.38	350-365						350112C000LB-16		350112C0SSLB-16	
14	350	A	15.30-15.70	389-399	133	60	12	300	9	350114A000LB	\$ 1,094.50	350114A0SSLB	\$ 1,269.00
		B	16.00-16.40	406-417						350114B000LB		350114B0SSLB	
		C	16.40-16.88	417-429						350114C000LB		350114C0SSLB	

3501LB LONG BARREL TRANSITION COUPLING

Nominal Pipe Size			Pipe OD Range		Approx. Weight		Barrel Length		Bolts	Part Number	List Price	Part Number w/ SST N&Bs	List Price w/ SST N&Bs
Inches	MM		Inches	MM	lbs	kgs	Inches	MM	Qty				
16	400	A	17.15-17.40	436-442	144	65	12	300	10	350116A000LB	\$ 1,055.60	350116A0SSLB	\$ 1,312.20
		B	17.40-17.80	442-457						350116B000LB		350116B0SSLB	
		C	18.46-19.00	469-483						350116C000LB		350116C0SSLB	
		A	17.15-17.40	436-442	180	80	16	400		350116A000LB-16	\$ 1,323.30	350116A0SSLB-16	\$ 1,510.60
		B	17.40-17.80	442-457						350116B000LB-16		350116B0SSLB-16	
		C	18.46-19.00	469-483						350116C000LB-16		350116C0SSLB-16	
18	450	A	18.70-19.10	475-485	185	84	12	300	12	350118A000LB	\$ 1,766.80	350118A0SSLB	\$ 1,999.50
		B	19.10-19.70	485-500						350118B000LB		350118B0SSLB	
		C	19.70-20.25	500-514						350118C000LB		350118C0SSLB	
20	500	A	20.80-21.35	528-542	225	102	12	300	12	350120A000LB	\$ 2,006.30	350120A0SSLB	\$ 2,239.00
		B	21.35-21.75	542-552						350120B000LB		350120B0SSLB	
		C	21.75-22.25	552-565						350120C000LB		350120C0SSLB	
24	600	A	25.00-25.80	635-655	322	146	12	300	14	350124A000LB	\$ 3,647.90	350124A0SSLB	\$ 4,002.90
		B	26.10-26.32	663-669						350124B000LB		350124B0SSLB	

Note: Protection against possible pull out of pipe ends is not provided with cast couplings unless pipe is restrained. Any combination of Pipe OD Ranges can be paired within a nominal Pipe Size to make a Transition connection. For example, to connect 4 inch Steel (4.50 OD) to 4 inch Asbestos-Cement (5.33 OD) order the 4AC Coupling. The 'A' Range will fit 4.50 to 4.85 pipe ODs and the 'C' range fits 5.05 to 5.40 pipe ODs.

HOW TO ORDER: Specify Model Number, Pipe Size with Letter Code(s). **EXAMPLE:** 6" Steel O.D. 6.63 to 6" Asbestos Cement O.D. 7.37. Order 3501LB - 6AC. **Part Number:** 350106AC00LB .



COATING OPTION: Anti-Seizing/Galling protection. Available for both Alloy and SST application. Inquire with sales for cost and availability.

3501EC ENDCAP COUPLING

The EndCap Coupling is used to Dead End a pipeline permanently or for test purposes. The 2" NPT plugged outlet can be oriented at the top to vent air or rotated to the bottom of the coupling to function as a drain.

CENTER BARREL: Ductile Iron per ASTM A536 and AWWA C219.

GASKET: SBR per ASTM D2000 with transition design produced from 100% new rubber to ensure performance under varying pressures with superior storage characteristics per AWWA C219. Suitable for mild acids, water and salt media with a temperature range of -25° to +200° F. Other materials available

BOLTS & NUTS: Low Alloy Steel per ASTM A325, ASTM A563, and AWWA C219./ Type 304 (18-8) Stainless Steel per ASTM A193 and A194.

GLANDS: Ductile Iron per ASTM A536 and AWWA C219.

END CAP: Ductile Iron per ASTM A536 and AWWA C219.

FINISH: Epoxy.



Nominal Pipe Size			Pipe OD Range		Approx. Weight		Barrel Length		Bolts	Part Number	List Price	Part Number w/SST N&Bs	List Price w/SST N&Bs
Inches	MM		Inches	MM	lbs	kgs	Inches	MM	Qty				
2	50	A	2.35-2.63	60-67	10	4	5	125	2	350102A000EC	\$ 113.80	350102A0SSEC	\$ 149.00
2 1/2	65	A	2.69-2.88	68-73	12	5	5	125	2	3501025A00EC	\$ 136.10	3501025ASSEC	\$ 174.40
3	80	A	3.25-3.55	83-90	17	7	5	125	3	350103A000EC	\$ 167.10	350103A0SSEC	\$ 248.30
		B	3.70-4.00	94-102						350103B000EC		350103B0SSEC	
		C	3.95-4.25	100-108						350103C000EC		350103C0SSEC	
4	100	OD	4.00-4.13	102-105	18	8	6	150	4	3501040D00EC	\$ 192.30	3501040DSSEC	\$ 264.90
		AA	4.20-4.50	107-144						350104AA00EC		350104AASSEC	
		A	4.50-4.85	114-123						350104A000EC		350104A0SSEC	
		B	4.80-5.10	122-130						350104B000EC		350104B0SSEC	
		C	5.05-5.40	128-137						350104C000EC		350104C0SSEC	
6	150	OD	6.00-6.14	152-156	33	15	6	150	5	3501060D00EC	\$ 255.60	3501060DSSEC	\$ 328.40
		AA	6.27-6.72	159-171						350106AA00EC		350106AASSEC	
		A	6.62-6.95	168-177						350106A000EC		350106A0SSEC	
		B	6.90-7.22	175-183						350106B000EC		350106B0SSEC	
		C	7.19-7.45	183-189						350106C000EC		350106C0SSEC	
8	200	OD	8.00-8.16	203-207	45	20	6	150	6	3501080D00EC	\$ 337.30	3501080DSSEC	\$ 426.80
		AA	8.40-8.82	213-224						350108AA00EC		350108AASSEC	
		A	8.62-9.05	219-230						350108A000EC		350108A0SSEC	
		B	9.05-9.45	230-240						350108B000EC		350108B0SSEC	
		C	9.10-9.79	231-249						350108C000EC		350108C0SSEC	
10	250	A	10.70-11.10	272-282	67	30	6	150	7	350110A000EC	\$ 585.40	350110A0SSEC	\$ 685.40
		B	11.10-11.50	282-292						350110B000EC		350110B0SSEC	
		C	11.60-12.12	295-308						350110C000EC		350110C0SSEC	
12	300	A	12.75-13.20	324-335	92	41	6	150	8	350112A000EC	\$ 767.00	350112A0SSEC	\$ 892.30
		B	13.20-13.50	335-343						350112B000EC		350112B0SSEC	
		C	13.78-14.38	350-365						350112C000EC		350112C0SSEC	

3501EC ENDCAP COUPLING

Nominal Pipe Size			Pipe OD Range		Approx. Weight		Barrel Length		Bolts	Part Number	List Price	Part Number w/SST N&Bs	List Price w/ SST N&Bs
Inches	MM		Inches	MM	lbs	kgs	In-ches	MM	Qty				
14	350	A	15.30-15.70	389-399	CONSULT FACTORY	6	150	9	350114A000EC	\$ 1,066.70	350114A0SSEC	\$ 1,255.20	
		B	16.00-16.40	406-417					350114B000EC		350114B0SSEC		
		C	16.40-16.88	417-429					350114C000EC		350114C0SSEC		
16	400	A	17.15-17.40	436-442		6	150	10	350116A000EC	\$ 1,386.60	350116A0SSEC	\$ 1,637.10	
		B	17.40-17.80	442-457					350116B000EC		350116B0SSEC		
		C	18.46-19.00	469-483					350116C000EC		350116C0SSEC		
18	450	A	18.70-19.10	475-485		7	180	12	350118A000EC	\$ 1,706.80	350118A0SSEC	\$ 3,569.90	
		B	19.10-19.70	485-500					350118B000EC		350118B0SSEC		
		C	19.70-20.25	500-514					350118C000EC		350118C0SSEC		
20	500	A	20.80-21.35	528-542		7	180	12	350120A000EC	\$ 2,138.90	350120A0SSEC	\$ 2,311.40	
		B	21.35-21.75	542-552					350120B000EC		350120B0SSEC		
		C	21.75-22.25	552-565					350120C000EC		350120C0SSEC		
24	600	A	25.00-25.80	635-655		10	250	14	350124A000EC	\$ 3,267.50	350124A0SSEC	\$ 3,504.70	
		B	26.10-26.32	663-669					350124B000EC		350124B0SSEC		
30	750	A	31.74-32.00	806-813		10	250	14	350130A000EC	\$ 4,722.70	350130A0SSEC	POA	
		B	32.40-32.74	823-832					350130B000EC		350130B0SSEC		
36	900	AA	37.93-38.54	963-979		16	400	16	350136AA00EC	\$ 17,215.70	350136AA0SSEC	POA	
		A	38.54-39.16	979-995					350136A000EC		350136A0SSEC		
36	900	B	39.16-39.55	995-1005	CONSULT FACT	16	400	16	350136B000EC	\$ 17,215.70	350136B0SSEC	POA	
		C	39.55-40.05	1005-1007					350136C000EC		350136C0SSEC		
48	1200	AA	50.10-50.72	1273-1288		350148AA00EC	\$ 21,716.00	350148AA0SSEC	POA				
		A	50.72-51.34	1288-1304		350148A000EC		350148A0SSEC					
		B	51.34-51.72	1304-1314		350148B000EC		350148B0SSEC					
		C	51.72-52.06	1314-1322		350148C000EC		350148C0SSEC					

Note: Protection against possible pull out of pipe ends is not provided with cast couplings unless pipe is restrained.

HOW TO ORDER: Specify Model Number, Pipe Size with Letter Code(s). **EXAMPLE:** To connect an end cap coupling to a plain end piece of pipe with an O.D. of 4.80 order 3501EC-4B **Part Number:** 350104B000EC



COATING OPTION: Anti-Seizing/Galling protection. Available for both Alloy and SST application. Inquire with sales for cost and availability.

3504 GALVANIZED COMPRESSION COUPLING

CENTER BARREL: Carbon Steel per AISI C1010-15.

GLANDS: Malleable Iron per ASTM A47.

GASKET: NBR per ASTM D2000 suitable for oil, mild acids, water, and salt media with a temperature range of -40° F to +212° F.

FINISH: Galvanized.



Nominal Pipe Size		Pipe OD Range		Box Weight		Body Length		Box	Part Number	List Price
Inches	MM	Inches	MM	lbs.	kgs	Inches	MM	Qty.		
1/2	15	0.84	21	19	9	4	102	25	350400500000	\$ 25.90
3/4	20	1.05	27	19	9	4.4	111	15	350400750000	\$ 30.10
1	25	1.32	34	16	7	4.5	114	10	350401000000	\$ 35.90
1 1/4	32	1.66	42	12	5	4.5	114	6	350401250000	\$ 45.30
1 1/2	40	1.90	48	15	7	5	127	6	350401500000	\$ 51.30
2	50	2.38	60	21	10	5.4	137	6	350402000000	\$ 63.70

HOW TO ORDER: Specify Model Number and Pipe Size.

3506/3506LB POWERMAX COUPLING

One range fits all pipe ODs IPS PVC to Rough Barrel AC

CENTER BARREL: Ductile Iron per ASTM A536 and AWWA C219.

GLANDS: Ductile Iron per ASTM A536 and AWWA C219.

GASKET: SBR per ASTM D2000 with conical design produced from 100% new rubber to ensure performance under varying pressures with superior storage characteristics per AWWA C219. Suitable for mild acids, water and salt media with a temperature range of -25° to +200° F. Other materials available.

BOLTS & NUTS: Low Alloy Steel per ASTM A325, ASTM A563, and AWWA C219. Type 304 (18-8) Stainless Steel per ASTM A193 and A194.

FINISH: Epoxy.

**3506 POWERMAX COUPLING**

Nominal Pipe Size			Pipe OD Range		Standard Weight		Standard Barrel Length		Standard Barrel Part Number	List Price	Standard Barrel Part Number w/SST N&Bs	List Price w/SST N&Bs
Inches	MM		Inches	MM	lbs	kgs	Inches	MM				
2	50	A	2.30-2.90	58-74	16	8	5	125	350602A00000	\$ 97.70	350602A0SS00	\$ 168.20
3	80	A	3.40-420	86-107	21	10	5	125	350603A00000	\$ 154.90	350603A0SS00	\$ 258.30
4*	100	A	4.20-5.33	107-135	27	13	6	150	350604A00000	\$ 189.00	350604A0SS00	\$ 320.70
6*	150	A	6.25-7.45	159-189	36	17	6	150	350606A00000	\$ 266.50	350606A0SS00	\$ 444.60
8*	200	A	8.40-9.79	214-249	60	28	10	250	350608A00000	\$ 310.90	350608A0SS00	\$ 534.70
10	250	A	10.45-12.12	272-308	75	34	10	250	350610A00000	\$ 390.80	350610A0SS00	\$ 693.40
12	300	A	12.50-14.38	317-365	130	59	10	250	350612A00000	\$ 569.50	350612A0SS00	\$ 809.70
14	350	A	15.25-16.90	387-429	148	67	12	300	350614A00000	\$ 1,585.90	350614A0SS00	\$ 2,219.60
16	400	A	16.00-17.80	406-452	180	82	12	300	350616A00000	\$ 2,643.60	350616A0SS00	\$ 3,698.30
		B	17.40-19.00	442-483	180	82	12	300	350616B00000	\$ 2,643.60	350616B0SS00	\$ 3,698.30

3506LB LONG BARREL POWERMAX COUPLING

Nominal Pipe Size			Pipe OD Range		Long Barrel Weight		Long Barrel Length		Long Barrel Part Number	List Price	Long Barrel Part Number w/SST N&Bs	List Price w/SST N&Bs
Inches	MM		Inches	MM	lbs	kgs	Inches	MM				
2	50	A	2.30-2.90	58-74	22	10	12	300	350602A000LB	\$ 162.80	350602A0SSLB	\$ 258.80
3	80	A	3.40-420	86-107	33	15	12	300	350603A000LB	\$ 258.20	350603A0SSLB	\$ 397.40
4*	100	A	4.20-5.33	107-135	37	17	12	300	350604A000LB	\$ 311.00	350604A0SSLB	\$ 490.90
6*	150	A	6.25-7.45	159-189	50	23	12	300	350606A000LB	\$ 394.50	350606A0SSLB	\$ 572.00
8*	200	A	8.40-9.79	214-249	73	33	12	300	350608A000LB	\$ 546.40	350608A0SSLB	\$ 748.40
10	250	A	10.45-12.12	272-308	77	35	12	300	350610A000LB	\$ 638.60	350610A0SSLB	\$ 877.90
12	300	A	12.50-14.38	317-365	113	51	12	300	350612A000LB	\$ 760.10	350612A0SSLB	\$ 1,029.10

Note: Protection against possible pull out of pipe ends is not provided with cast couplings unless pipe is restrained.

*Pipe diameters less than IPS/STEEL rated up to 50 psi work pressure.

HOW TO ORDER: Specify Model Number, Pipe Size with Letter Code(s) if applicable. **EXAMPLE:** 6" Steel O.D. 6.63 to 6" Asbestos Cement O.D. 7.37. Order 3506 - 6A. **Part Number:** 350606A00000

3506AS ALL SS POWERMAX COUPLING

CENTER BARREL: Type 304 (18-8) Stainless Steel per ASTM A240.

GLANDS: Type 304 (18-8) Stainless Steel per ASTM A743.

GASKET: SBR per ASTM D2000 with conical design produced from 100% new rubber to ensure performance under varying pressures with superior storage characteristics per AWWA C219. Suitable for mild acids, water and salt media with a temperature range of -25° to +200° F. Other materials available.

BOLTS & NUTS: Type 304 (18-8) Stainless Steel per ASTM A193 and A194.

NOTE: Hex nuts are furnished to prevent seizing and galling.



Nominal Pipe Size			Pipe OD Range		Approx. Weight		Barrel Length		Bolts	Part Number	List Price
Inches	MM		Inches	MM	lbs	kgs	Inches	MM	Qty		
2	50	A	2.30-2.90	58-74	11	5	5	125	2	350602A000AS	\$ 106.70
3	80	A	3.40-4.20	86-107	14	6.5	6.5	165	3	350603A000AS	\$ 337.40
4*	100	A	4.20-5.33	112-135	18	8.5	6	150	4	350604A000AS	\$ 417.30
6*	150	A	6.25-7.45	166-189	24	11	6	150	5	350606A000AS	\$ 568.10
8*	200	A	8.40-9.79	217-249	40	16.5	10	250	6	350608A000AS	\$ 843.30
10	250	A	10.70-12.12	272-293	46	21	10	250	7	350610A000AS	\$ 1,222.30
12	300	A	12.75-14.38	324-345	56	25.5	10	250	8	350612A000AS	\$ 1,429.00

Note: Protection against possible pull out of pipe ends is not provided with cast couplings unless pipe is restrained.

*Pipe diameters less than IPS/STEEL rated up to 50 psi work pressure.

HOW TO ORDER: Specify Model Number, Pipe Size with Letter Code(s) if applicable. **EXAMPLE:** 6" Steel O.D. 6.63 to 6" Asbestos Cement O.D. 7.37. Order 3506AS - 6A. **Part Number:** 350606A000AS .

3506EC ENDCAP POWERMAX COUPLING

One range fits all pipe ODs IPS PVC to Rough Barrel AC

The EndCap Coupling is used to Dead End a pipeline permanently or for test purposes. The 2" NPT plugged outlet can be oriented at the top to vent air or rotated to the bottom of the coupling to function as a drain.

CENTER BARREL: Ductile Iron per ASTM A536 and AWWA C219.

GASKET: SBR per ASTM D2000 with conical design produced from 100% new rubber to ensure performance under varying pressures with superior storage characteristics per AWWA C219. Suitable for mild acids, water and salt media with a temperature range of -25° to +200° F.

BOLTS & NUTS: Low Alloy Steel per ASTM A325, ASTM A563, and AWWA C219. Type 304 (18-8) Stainless Steel per ASTM A193 and A194.

GLANDS: Ductile Iron per ASTM A536 and AWWA C219.

END CAP: Ductile Iron per ASTM A536 and AWWA C219.

FINISH: Epoxy.



Nominal Pipe Size			Pipe OD Range		Standard Weight		Standard Barrel Length		Standard Barrel Part Number	List Price	Standard Barrel Part Number w/SST N&Bs	List Price w/SST N&Bs
Inches	MM		Inches	MM	lbs	kgs	Inches	MM				
2	50	A	2.30-2.90	58-74	CONSULT FACTORY		5	125	350602A000EC	\$ 140.40	350602A0SSEC	\$ 210.80
3	80	A	3.40-420	86-107			5	125	350603A000EC	\$ 205.10	350603A0SSEC	\$ 308.50
4*	100	A	4.20-5.33	107-135			6	150	350604A000EC	\$ 235.10	350604A0SSEC	\$ 366.90
6*	150	A	6.25-7.45	159-189			6	150	350606A000EC	\$ 334.60	350606A0SSEC	\$ 512.80
8*	200	A	8.40-9.79	214-249			10	250	350608A000EC	\$ 411.20	350608A0SSEC	\$ 635.00
10	250	A	10.45-12.12	272-308			10	250	350610A000EC	\$ 647.20	350610A0SSEC	\$ 949.80
12	300	A	12.50-14.38	317-365			10	250	350612A000EC	\$ 940.30	350612A0SSEC	\$ 1,180.50
14	350	A	15.25-16.90	387-429			12	300	350614A000EC	\$ 969.50	350614A0SSEC	\$ 1,209.70
16	400	A	16.00-17.80	406-452			12	300	350616A000EC	\$ 3,143.70	350616A0SSEC	\$ 4,198.40
		B	17.40-19.00	442-483			12	300	350616B000EC	\$ 3,143.70	350616B0SSEC	\$ 4,198.40

Note: Protection against possible pull out of pipe ends is not provided with cast couplings unless pipe is restrained.

* Pipe diameters less than IPS/STEEL rated up to 50 psi work pressure.

HOW TO ORDER: Specify Model Number, Pipe Size with Letter Code(s) if applicable. **EXAMPLE:** 6" Steel O.D. 6.63. Order 3506EC - 6A. **Part Number:** 350606A000EC .



COATING OPTION: Anti-Seizing/Galling protection. Available for both Alloy and SST application. Inquire with sales for cost and availability.

MODEL 3506R POWERMAX REDUCING COUPLING

CENTER BARREL: Ductile Iron per ASTM A536 and AWWA C219.

GLANDS: Ductile Iron per ASTM A536 and AWWA C219.

GASKET: SBR per ASTM D2000 with conical design produced from 100% new rubber to ensure performance under varying pressures with superior storage characteristics per AWWA C219. Suitable for mild acids, water and salt media with a temperature range of -25° to +200° F.

BOLTS & NUTS: Low Alloy Steel per ASTM A325, ASTM A563, and AWWA C219./Type 304 (18-8) Stainless Steel per ASTM A193 and A194.

FINISH: Epoxy.



Nominal Pipe Size		Pipe OD Ranges Other End		Pipe OD Ranges Other End		Part Number	List Price	Part Number	List Price w/SST N&Bs	Weight		Barrel Length	
Inches	MM	Inches	MM	Inches	MM					lbs	kgs	Inches	MM
4x3	100x75	4.20-5.33	107-135	3.40-4.20	86-107	35060400300R	\$ 256.90	350604003SSR	\$ 299.90	40	18	12	300
6x4	150x100	6.25-7.45	159-789	4.20-5.33	107-135	35060600400R	\$ 337.80	350606004SSR	\$ 391.50	50	23	12	300
8x6	200x150	8.40-9.79	214-249	6.25-7.45	159-789	35060800600R	\$ 433.00	350608006SSR	\$ 497.40	64	29	12	300
10x8	250x200	10.45-12.12	272-308	8.40-9.79	214-249	35061000800R	\$ 610.30	350610008SSR	\$ 697.50	98	45	16	400
12x10	300x250	12.50-14.38	324-365	10.45-12.12	272-308	35061201000R	\$ 821.40	350612010SSR	\$ 897.30	134	61	16	400

Note: Protection against possible pull out of pipe ends is not provided with cast couplings unless pipe is restrained.
 Pipe diameters less than IPS/STEEL rated up to 50 psi work pressure.

HOW TO ORDER: Specify Model Number, Pipe Sizes. **EXAMPLE:** 8" Asbestos Cement OD 9.37 to 6" C900 OD 6.90, order 3506R-8x6.
Part Number: 35060800600R .

3520 TRANSITION CUTTING-IN SLEEVE

CUT IN SLEEVE BODY: Ductile Iron per ASTM A536 and AWWA C219.

GLANDS: Ductile Iron per ASTM A536 and AWWA C219.

GASKET: SBR per ASTM D2000 with transition design produced from 100% new rubber to ensure performance under varying pressures with superior storage characteristics per AWWA C219. Suitable for mild acids, water and salt media with a temperature range of -25° to +200° F.

BOLTS & NUTS: Low Alloy Steel per ASTM A325, ASTM A563, and AWWA C219.

ANCHOR STUDS: Type 304 (18-8) Stainless Steel. (Optional joint restraint).

FINISH: Epoxy.



Nominal Pipe Size			Pipe OD Range		Approx. Weight		Barrel Length		Standard Unit Part Number	List Price	Anchor Studs Part Number	List Price Anchor studs	Standard Unit Part Number w/SST N&Bs	List Price w/SST N&Bs
Inches	MM		Inches	MM	lbs	kgs	Inches	MM						
4	100	OD	4.00-4.13	102-105	46	21	17	432	3520040D0000	\$ 653.20	3520040D00AS	\$ 735.90	3520040DSS00	\$ 829.10
		AA	4.20-4.50	107-144					352004AA0000		352004AA00AS		352004AASS00	
		A	4.50-4.85	114-123					352004A00000		352004A000AS		352004A0SS00	
		B	4.80-5.10	122-130					352004B00000		352004B000AS		352004B0SS00	
		C	5.05-5.40	128-137					352004C00000		352004C000AS		352004C0SS00	
6	150	OD	6.00-6.14	152-156	72	33	17	432	3520060D0000	\$ 796.80	3520060D00AS	\$ 888.50	3520060D0SS0	\$ 990.80
		AA	6.27-6.72	159-171					352006AA0000		352006AA00AS		352006AASS00	
		A	6.62-6.95	168-177					352006A00000		352006A000AS		352006A0SS00	
		B	6.90-7.22	175-183					352006B00000		352006B000AS		352006B0SS00	
		C	7.19-7.45	183-189					352006C00000		352006C000AS		352006C0SS00	
8	200	OD	8.00-8.16	203-207	92	42	17	432	3520080D0000	\$ 863.40	3520080D00AS	\$ 955.00	3520080DSS00	\$ 1,056.30
		AA	8.40-8.82	213-224					352008AA0000		352008AA00AS		352008AASS00	
		A	8.62-9.05	219-230					352008A00000		352008A000AS		352008A0SS00	
		B	9.05-9.45	230-240					352008B00000		352008B000AS		352008B0SS00	
		C	9.10-9.79	231-249					352008C00000		352008C000AS		352008C0SS00	
10	250	A	10.70-11.10	272-282	126	57	17	432	352010A00000	\$ 1,240.30	352010A000AS	\$ 1,353.00	352010A0SS00	\$ 1,476.00
		B	11.10-11.50	282-292					352010B00000		352010B000AS		352010B0SS00	
		C	11.60-12.12	295-308					352010C00000		352010C000AS		352010C0SS00	
12	300	A	12.75-13.20	324-335	160	73	17	432	352012A00000	\$ 1,739.90	352012A000AS	\$ 1,907.90	352012A0SS00	\$ 2,092.10
		B	13.20-13.50	335-343					352012B00000		352012B000AS		352012B0SS00	
		C	13.78-14.38	350-365					352012C00000		352012C000AS		352012C0SS00	
16	400	A	17.15-17.40	436-442	225	102	17	432	352016A00000	\$ 1,933.20	352016A000AS	\$ 2,119.90	352016A0SS00	\$ 2,324.70
		B	17.40-17.80	442-452					352016B00000		352016B000AS		352016B0SS00	
		C	18.46-19.00	469-483					352016C00000		352016C000AS		352016C0SS00	

3520 TRANSITION CUTTING-IN SLEEVE

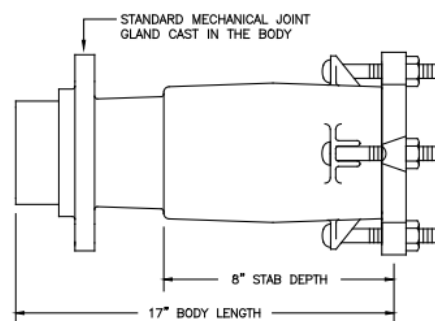
The Model 3520's Gland and Gasket are part of the Transition Coupling System and can be interchanged with other PowerSeal Cast Coupling Fittings.

INSTALLATION NOTE: Cut and remove a section of the existing pipeline equal to the overall (Face-to-Face) length of the fitting or valve to be installed, plus ten (10) inches.

NOTE : Protection against possible pull out of pipe ends is not provided with cast couplings unless pipe is restrained.

HOW TO ORDER: Specify Model Number, Pipe Size with Letter Code. **EXAMPLE:** 6" MJ Valve to 6" Cast Iron O.D. 7.10. Order 3520 - 6B. **Part Number:** 352006B00000 .

NOTE: Optional pipe stops and anchor studs (2) are available and unless otherwise requested will be located at the center of the body casting 180° apart.



3521 TRANSITION FLANGED COUPLING ADAPTER

FLANGE ADAPTER BODY: Ductile Iron per ASTM A536 and AWWA C219.

END GLANDS: Ductile Iron per ASTM A536 and AWWA C219.

GASKET: SBR per ASTM D2000 with transition design produced from 100% new rubber to ensure performance under varying pressures with superior storage characteristics per AWWA C219. Suitable for mild acids, water and salt media with a temperature range of -25° to +200° F.

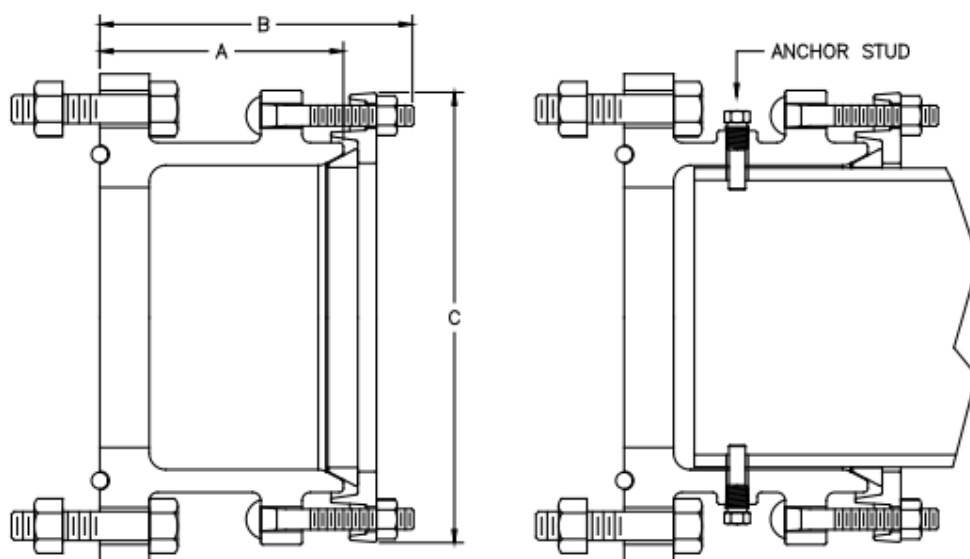
BOLTS & NUTS: Low Alloy Steel per ASTM A325, ASTM A563, and AWWA C219./ Type 304 (18-8) Stainless Steel per ASTM A193 and A194.

ANCHOR STUDS: Type 304 (18-8) Stainless Steel. (Optional joint restraint).

FINISH: Epoxy.



Nominal Pipe Size			Pipe OD Range		Body Length Dim - A		Overall Length Dim - B		Gland OD Dim - C		Approx. Weight		Flanged Adapter List Prices					
Inches	MM		Inches	MM	Inches	MM	Inches	MM	Inches	MM	lbs.	kgs	Part Number Std. Unit	List Price Std. Unit	Part Number Anchor Studs	List Price Anchor Studs	Part Number w/ SST N&Bs	List Price w/SST N&Bs
4	100	OD	4.00-4.13	102-105	3.0	76	6.5	165	8.8	224	24	11	3521040D0000	\$ 283.20	3521040D00AS	\$ 364.90	3521040DSS00	\$ 460.00
		AA	4.20-4.50	107-144									352104AA0000		352104AA00AS		352104AASS00	
		A	4.50-4.85	114-123									352104A00000		352104A000AS		352104A0SS00	
		B	4.80-5.10	122-130									352104B00000		352104B000AS		352104B0SS00	
		C	5.05-5.40	128-137									352104C00000		352104C000AS		352104C0SS00	
6	150	OD	6.00-6.14	152-156	4.5	114	7.1	181	10.9	227	34	15	3521060D0000	\$ 361.60	3521060D00AS	\$ 452.00	3521060DSS00	\$ 583.00
		AA	6.27-6.72	159-171									352106AA0000		352106AA00AS		352106AASS00	
		A	6.62-6.95	168-177									352106A00000		352106A000AS		352106A0SS00	
		B	6.90-7.22	175-183									352106B00000		352106B000AS		352106B0SS00	
		C	7.19-7.45	183-189									352106C00000		352106C000AS		352106C0SS00	
8	200	OD	8.00-8.16	203-207	4.5	114	7.1	181	13.6	344	47	21	3521080D0000	\$ 496.40	3521080D00AS	\$ 580.00	3521080DSS00	\$ 728.40
		AA	8.40-8.82	213-224									352108AA0000		352108AA00AS		352108AASS00	
		A	8.62-9.05	219-230									352108A00000		352108A000AS		352108A0SS00	
		B	9.05-9.45	230-240									352108B00000		352108B000AS		352108B0SS00	
		C	9.10-9.79	231-249									352108C00000		352108C000AS		352108C0SS00	
10	250	A	10.70-11.10	272-282	4.5	114	7.1	181	16.2	411	68	31	352110A00000	\$ 898.60	352110A000AS	\$ 1,010.30	352110A0SS00	\$ 1,105.00
		B	11.10-11.50	282-292									352110B00000		352110B000AS		352110B0SS00	
		C	11.60-12.12	295-308									352110C00000		352110C000AS		352110C0SS00	
12	300	A	12.75-13.20	324-335	4.5	114	7.1	181	18.6	472	91	41	352112A00000	\$ 999.40	352112A000AS	\$ 1,165.50	352112A0SS00	\$ 1,497.60
		B	13.20-13.50	335-343									352112B00000		352112B000AS		352112B0SS00	
		C	13.78-14.38	350-365									352112C00000		352112C000AS		352112C0SS00	



Note: Protection against possible pull out of pipe ends is not provided with cast couplings unless pipe is restrained.

HOW TO ORDER: Specify Model Number, Pipe Size with Letter Code. **EXAMPLE:** 6" Flanged Valve to 6" Cast Iron O.D.
7.10. Order 3521 - 6B. **Part Number:** 352106B00000 .

3526 POWERMAX FLANGED COUPLING ADAPTER

FLANGE ADAPTER BODY: Ductile Iron per ASTM A536 and AWWA C219.

END GLANDS: Ductile Iron per ASTM A536 and AWWA C219.

GASKET: SBR per ASTM D2000 with conical design produced from 100% new rubber to ensure performance under varying pressures with superior storage characteristics per AWWA C219. Suitable for mild acids, water and salt media with a temperature range of -25° to +200° F.

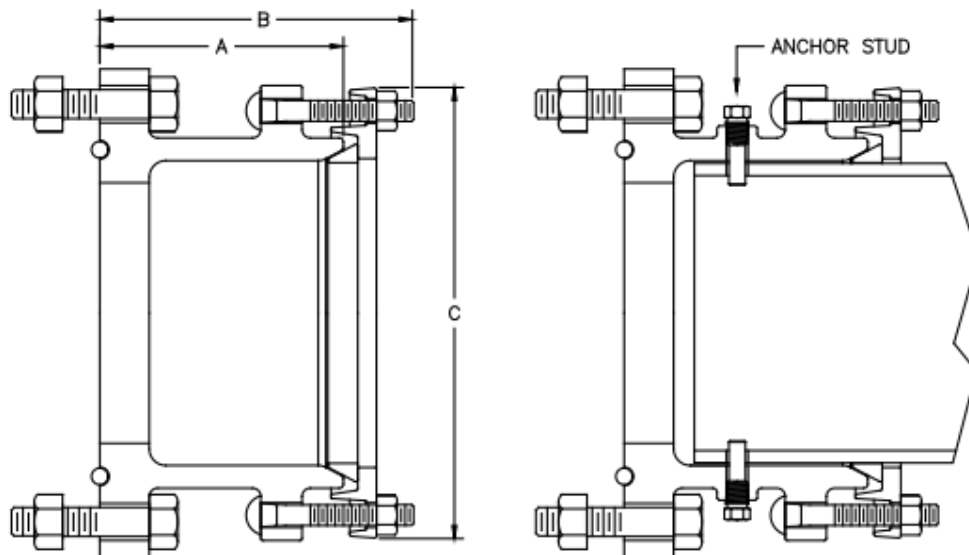
BOLTS & NUTS: Low Alloy Steel per ASTM A325, ASTM A563, and AWWA C219./ Type 304 (18-8) Stainless Steel per ASTM A193 and A194.

ANCHOR STUDS: Type 304 (18-8) Stainless Steel. (Optional joint restraint-int).

FINISH: Epoxy.



Nominal Pipe Size		Pipe OD Range		Body Length Dim - A		Overall Length Dim - B		Gland OD Dim - C		Approx. Weight		Flanged Adapter List Pricesw					
In-ches	MM	Inches	MM	In-ches	MM	In-ches	MM	Inches	MM	lbs.	kgs	Part Number Std. Unit	List Price Std. Unit	Part Number Anchor Studs	List Price Anchor Studs	Part Number w/ SST N&Bs	List Price w/SST N&Bs
3	80	3.40-420	86-107	6.00	152	8.0	200	8.8	224	23	10.72	352603A00000	\$ 242.80	352603A000AS	\$ 324.50	352603A0SS00	\$ 409.10
4	100	4.20-5.33	107-135	6.28	160	8.8	223	9.94	252	25.2	11	352604A00000	\$ 371.50	352604A000AS	\$ 453.20	352604A0SS00	\$ 571.30
6	150	6.25-7.45	159-189	6.28	160	8.8	223	12.8	325	36	16.3	352606A00000	\$ 494.20	352606A000AS	\$ 575.90	352606A0SS00	\$ 726.00
8	200	8.40-9.79	214-249	5.65	143	8.2	208	14.44	367	45	20.45	352608A00000	\$ 625.70	352608A000AS	\$ 707.40	352608A0SS00	\$ 891.80
10	250	10.45-12.12	272-308	10	254	12.5	317	16.85	428	72	32.72	352610A00000	\$ 1,304.70	352610A000AS	\$ 1,416.40	352610A0SS00	\$ 1,549.20
12	300	12.50-14.38	317-365	10	254	12.5	317	20.58	523	102.7	46	352612A00000	\$ 1,492.70	352612A000AS	\$ 1,604.40	352612A0SS00	\$ 2,022.60



Note: Protection against possible pull out of pipe ends is not provided with cast couplings unless pipe is restrained.

Pipe diameters less than IPS/STEEL rated up to 50 psi work pressure.

HOW TO ORDER: Specify Model Number, Pipe Size with Letter Code. **EXAMPLE:** 6" Flanged Valve to 6" Cast Iron O.D. 7.10. Order 3526 - 6. **Part Number:** 352606A00000.

3531 INSTA-FLANGE ADAPTER (LIGHT DUTY)

BODY CASTING: Ductile Iron per ASTM A536.

SET SCREWS: AISI 4140 Heat Treated Steel.

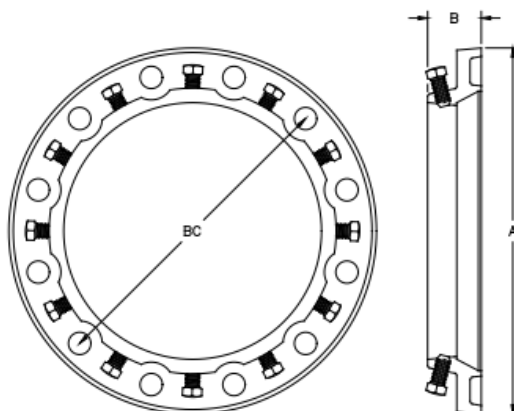
GASKET: SBR Mechanical Joint design per ASTM D2000. Suitable for mild acids, water, and salt media with a temperature range of -25° F to +200°F.

FINISH: Epoxy.

FLANGE DRILLING: ANSI B16.1 125# / ANSI B16.5 150#.



Flange Size (125# Flange)		Type of Pipe	Pipe OD Range		Flange OD Dim - A		Body Length Dim - B		Bolt Circle Dim - C		Set Screws		Working Pressure	Approx. Weight		Part Number	List Price
Inches	MM		Inches	MM	Inches	MM	Inches	MM	Inches	MM	Qty.	size		lbs.	kgs		
2	50	A Steel	2.38	60	6	152	1.8	46	4.8	122	2	1/2	200	4.8	2.2	35310200000S	\$ 42.80
		B Ductile Iron	2.50	64												35310200000C	
3	75	A Steel	3.50	89	7.5	191	1.8	46	6	152	4	1/2	200	6	2.7	35310300000S	\$ 52.00
		B Ductile Iron	3.80	101												35310300000C	
4	100	A Steel	4.50	114	9.0	229	1.8	46	7.5	191	4	1/2	200	7.4	3.4	35310400000S	\$ 70.40
		B Ductile Iron	4.80	122												35310400000C	
6	150	A Steel	6.63	168	11.0	279	1.8	46	9.5	241	8	1/2	200	10	4.5	35310600000S	\$ 87.00
		B Ductile Iron	6.90	101												35310600000C	
8	200	A Steel	8.63	219	13.5	343	2.3	57	11.8	298	8	5/8	200	17	7.7	35310800000S	\$ 103.50
		B Ductile Iron	9.05	230												35310800000C	
10	250	A Steel	10.75	282	16.0	406	2.3	57	14.3	362	12	5/8	175	29	13	35311000000S	\$ 189.00
		B Ductile Iron	11.10	101												35311000000C	
12	300	A Steel	12.75	324	19.0	483	2.3	57	17.0	432	12	5/8	175	39.6	18	35311200000S	\$ 221.40
		B Ductile Iron	13.20	335												35311200000C	



HOW TO ORDER: Specify Model Number, Pipe Size with Letter Code. **EXAMPLE:** 6" Flanged Valve to 6" Ductile Iron O.D. 6.90.
 Order 3531 - 6B. **Part Number:** 35310600000C .

3532 INSTA-FLANGE ADAPTER (HEAVY DUTY)

BODY CASTING: Ductile Iron per ASTM A536.

SET SCREWS: AISI 4140 Heat Treated Steel.

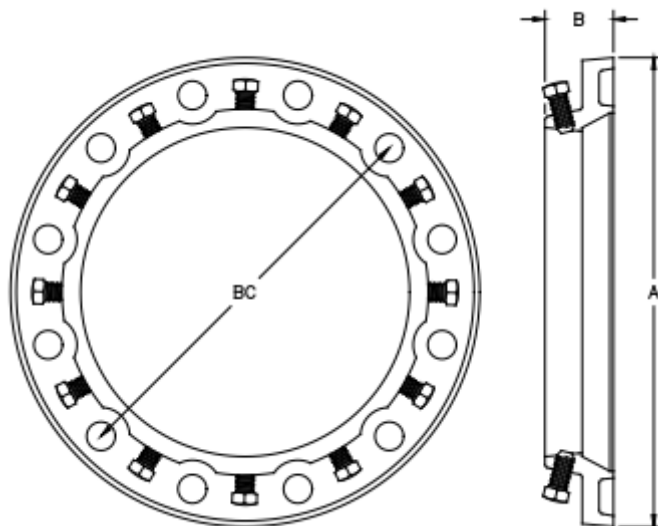
GASKET: SBR Mechanical Joint design per ASTM D2000. Suitable for mild acids, water, and salt.

FINISH: Epoxy.

FLANGE DRILLING: ANSI B16.1 125# / ANSI B16.5 150#.



Flange Size (125# Flange)			Type of Pipe	Pipe OD Range		Flange OD Dim - A		Body Length Dim - B		Bolt Circle- Dim - C		Set Screws		Working Pressure	Approx. Weight		Part Number	List Price
Inches	MM			Inches	MM	Inches	MM	Inches	MM	Inches	MM	Qty.	size		lbs.	kgs		
4	100	A	Steel	4.50	114	9.0	229	2.1	53.3	7.5	191	8	1/2	250	10	5	35320400000S	\$ 104.50
		B	Ductile Iron	4.80	122												35320400000C	
6	150	A	Steel	6.63	168	11.0	279	2.1	53.3	9.5	241	8	5/8	250	19	9	35320600000S	\$ 112.50
		B	Ductile Iron	6.90	175												35320600000C	
8	200	A	Steel	8.63	219	13.5	343	2.1	53.3	11.8	298	8	5/8	250	24	11	35320800000S	\$ 131.50
		B	Ductile Iron	9.05	230												35320800000C	
10	250	A	Steel	10.75	273	16.0	406	2.1	53.3	14.3	363	12	5/8	250	28	13	35321000000S	\$ 282.00
		B	Ductile Iron	11.10	282												35321000000C	
12	300	A	Steel	12.75	324	19.0	483	2.2	55.9	17.0	432	12	5/8	250	47	21	35321200000S	\$ 328.60
		B	Ductile Iron	13.20	335												35321200000C	
14	350	A	Steel	14.00	356	21.0	533	2.6	66	18.8	478	12	5/8	150	66	30	35321400000S	\$ 387.30
		B	Ductile Iron	15.30	389												35321400000C	
16	400	A	Steel	16.00	406	23.5	597	2.7	68.6	21.3	541	16	5/8	150	69	31	35321600000S	\$ 515.00
		B	Ductile Iron	17.40	442												35321600000C	
18	450	A	Steel	18.00	457	25.0	635	2.8	71.1	22.8	579	16	3/4	150	76	34	35321800000S	\$ 686.70
		B	Ductile Iron	19.50	495												35321800000C	
20	500	A	Steel	20.00	508	27.5	699	2.9	73.7	25.0	635	20	3/4	150	84	38	35322000000S	\$ 915.70
		B	Ductile Iron	21.60	549												35322000000C	
24	600	A	Steel	24.00	610	32.0	813	3.1	78.7	29.5	749	20	3/4	150	114	52	35322400000S	\$ 1,220.90
		B	Ductile Iron	25.80	655												35322400000C	
30	750	A	Steel	30.00	762	38.8	986	4.0	101.6	36.0	914	28	3/4	100	196	89	35323000000S	\$ 1,627.80
		B	Ductile Iron	32.00	813												35323000000C	
36	900	A	Steel	36.00	914	46.0	1168	4.5	114.3	42.3	1074	32	3/4	100	282	128	35323600000S	\$ 2,873.80
		B	Ductile Iron	38.30	973												35323600000C	



HOW TO ORDER: Specify Model Number, Pipe Size with Letter Code. **EXAMPLE:** 6" Flanged Valve to 6" Ductile Iron O.D. 6.90. Order 3531 - 6B. **Part Number:** 35320600000C .



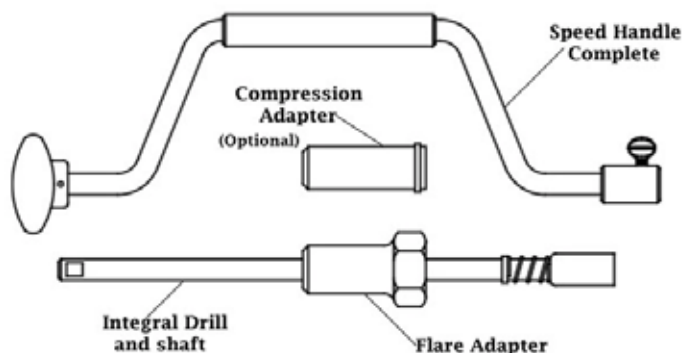
PowerSeal

PIPELINE PRODUCTS CORPORATION



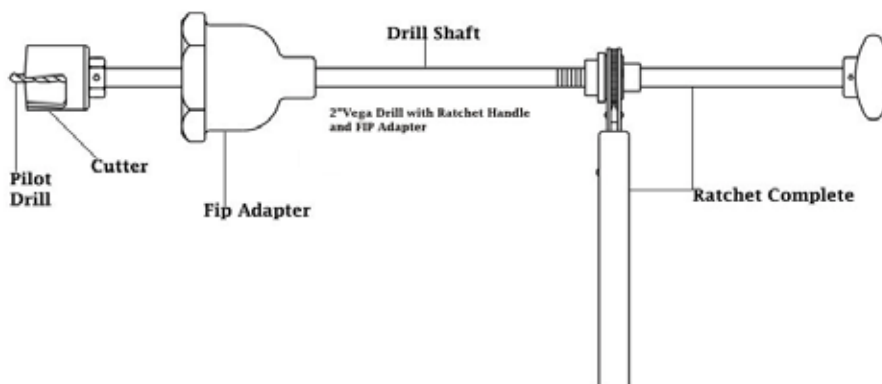
Specialities
January 2015

3900 COMPLETE UNITS FOR IPS THIN WALL PLASTIC PIPE



*Complete units consist of Drill, Drive Mechanism, and type of adapter specified.

*The Vega Drill Speed Handle Drive Mechanism is available only on 3/4" & 1" units. *The 1 1/2" & 2" units are furnished with Female Iron Pipe (FIP) threaded Adapters unless otherwise specified.



Model Number	Size		Drive Mechanism	Catalog Number			List Price
				Flare Adapter	Compression Adapters		
	Inches	MM			IPS	CTS	
3975S	3/4	20	Speed Handle	3975S00	3975S01	3975S02	\$ 309.00
3975R	3/4	20	Ratchet Handle	3975R00	3975R01	3975R02	\$ 524.60
3901S	1	25	Speed Handle	3901S00	3901S01	3901S02	\$ 332.60
3901R	1	25	Ratchet Handle	3901R00	3901R01	3901R02	\$ 548.00
3915R	1 1/2	40	Ratchet Handle	3915R00	3915R01	3915R02	\$ 738.30
3902R	2	50	Ratchet Handle	3902R00	3902R01	3902R02	\$ 718.60

HOW TO ORDER: Include Model Number and two-digit item code ending which specifies the type of adapter desired.

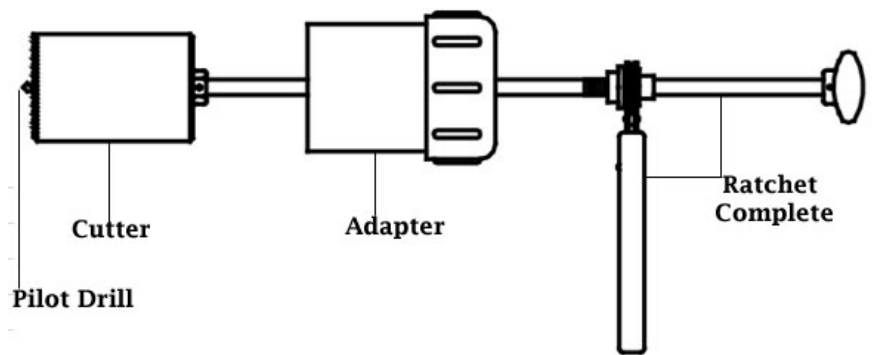
Example: To order a 3/4" unit w/Speed Handle and Flare Adapter, specify **Part Number:** 3975S00. To order a 1" unit w/ Ratchet and CTS Compression Adapter, specify Part Number: 3901R02.

NOTE: See Series 9000 for Larger Diameter Drills.

NOTE: Model 3902R without a two digit adapter code behind it will be supplied with a 2" FIP adapter (3902F).

NOTE: For 3/4" and 1" sizes Female Iron Pipe (FIP) or Male Iron Pipe (MIP) thread Flare bushing available. These bushings work in conjunction with the standard flare adapter, converting them from a flared copper thread to iron pipe thread. See parts page in adapters section.

4900 COMPLETE UNITS FOR PLASTIC SEWER PIPE “Y” CONNECTIONS



*Complete units consist of Sewer Cutter, Ratchet, Shaft, and Adapter.

*The Sewer Cutter is an elongated hole saw for tapping PVC sewer pipe at a 45° angle.

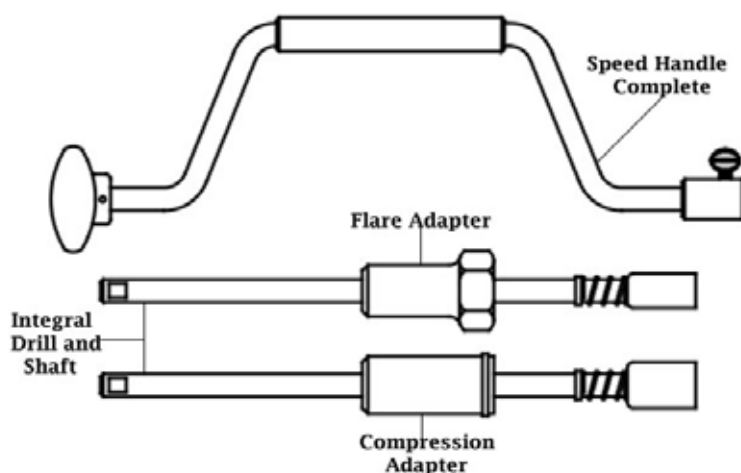
4” Sewer Vega Drill with Ratchet Handle and Guide Adapter.

Catalog Number	Size		Drive Mechanism	List Price
	Inches	MM		
4904R	4	100	Ratchet Handle	\$656.20
4906R	6	150	Ratchet Handle	\$984.40

HOW TO ORDER: Include Part Number.

Example: To order a 4” unit w/Ratchet Handle, specify **Part Number:** 4904R.

5900 COMBINATION UNITS FOR IPS THIN WALL PLASTIC PIPE ONLY



3/4" and 1" Combination Vega Drills with Speed Handle, 3/4" Flare Adapter and 1" Compression Adapter.

Model Number	Size		Drive Mechanism	Catalog Number			List Price
				Flare Adapter	Compression Adapters		
	Inches	MM				IPS	
5901S	3/4" & 1"	20 & 25	Speed Handle	5901S00	5901S01	5901S02	\$509.60
5901R	3/4" & 1"	20 & 25	Ratchet Handle	5901R00	5901R01	5901R02	\$708.10
5902R	3/4", 1", 1 1/2" & 2"	20,25,40 & 50	Ratchet Handle	5902R00	5902R01	5902R02	\$1,276.70

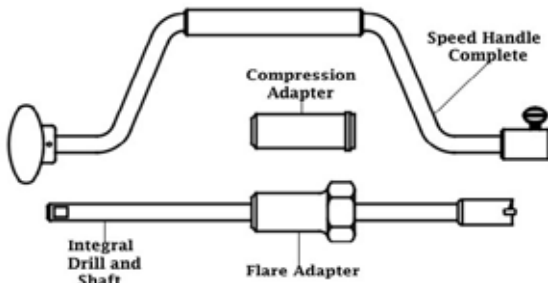
HOW TO ORDER: Specify Model Number and two-digit item code ending which specifies the type of adapter desired.

Example: To order a 3/4" and 1" combination unit with Ratchet Handle and Flare Adapters, specify **Part Number:** 5901R00.

NOTE: For 3/4" and 1" sizes Female Iron Pipe (FIP) or Male Iron Pipe (MIP) thread Flare bushing available. These bushings work in conjunction with the standard flare adapter, converting them from a flared copper thread to iron pipe thread. See parts page in adapters section.

NOTE2: Please advise customer service when requiring a 2" FIP adapter on the Model 5902R.

7900 COMPLETE UNITS FOR ASBESTOS CEMENT (A/C) PIPE



*Complete units consist of Drill, Drive Mechanism, and type of adapter specified. *The Vega Drill Speed Handle Drive Mechanism is available only on 3/4" & 1" units. *The 1 1/2" & 2" units are furnished with Female Iron Pipe (FIP) threaded Adapters unless otherwise specified. *3" thru 8" are furnished with "Pack-Off" plate style adapters that fit on both flanged and MJ fittings. *3/4" and 1" Drive Mechanisms are interchangeable. *1 1/2" thru 4" Drive Mechanisms are interchangeable. *6" & 8" Drive Mechanisms are interchangeable. *The 7900 Series Vega Drills are furnished with Carbide Tips for tapping A/C pipe.

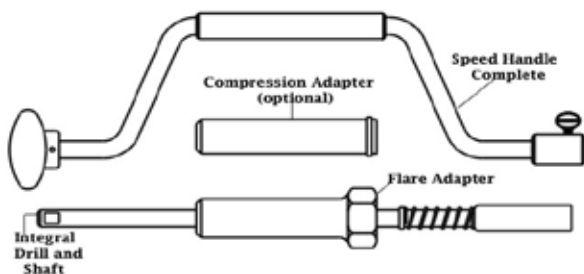
3/4" A/C Vega Drill with Speed Handle and Flare Adapter. (Optional Compression Adapter also shown.)

Model Number	Size		Drive Mechanism	Catalog Number			List Price
				Flare Adapter	Compression Adapters		
	Inches	MM			IPS	CTS	
7975S	3/4	20	Speed Handle	7975S00	7975S01	7975S02	\$444.00
7975R	3/4	20	Ratchet Handle	7975R00	7975R01	7975R02	\$640.10
7901S	1	25	Speed Handle	7901S00	7901S01	7901S02	\$481.00
7901R	1	25	Ratchet Handle	7901R00	7901R01	7901R02	\$677.00
7915R	1 1/2	40	Ratchet Handle	7915R00	7915R01	7915R02	\$901.00
7902R	2	50	Ratchet Handle	7902R00	7902R01	7902R02	\$890.00
7903R	3	80	Ratchet Handle	-	-	-	\$1,087.30
7904R	4	100	Ratchet Handle	-	-	-	\$1,338.40
7906R	6	150	Ratchet Handle	-	-	-	\$2,150.70
7908R	8	200	Ratchet Handle	-	-	-	\$2,766.00

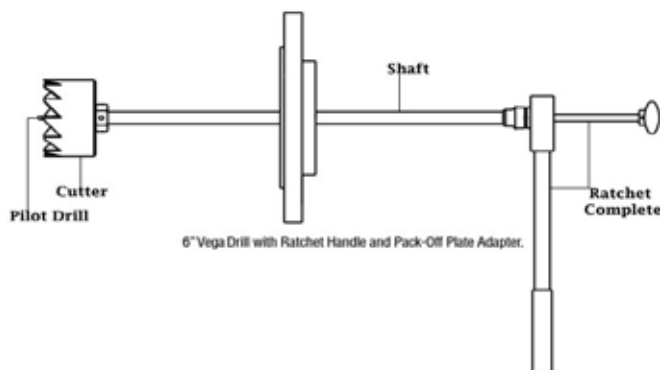
HOW TO ORDER: Specify Model Number and two-digit item code ending which specifies the type of adapter desired. Example: To order a 3/4" unit with Ratchet Handle and Flare Adapters, specify **Part Number:**7975R00.

NOTE: For 3/4" and 1" sizes Female Iron Pipe (FIP) or Male Iron Pipe (MIP) thread Flare bushing available. These bushings work in conjunction with the standard flare adapter, converting them from a flared copper thread to iron pipe thread. See parts page in adapters section.

9000 COMPLETE UNITS FOR C900 THICK WALL PLASTIC PIPE



3/4" C900 Vega Drill with Speed Handle and Flare Adapter.
 (Optional Compression Adapter also shown.)



6" Vega Drill with Ratchet Handle and Pack-Off Plate Adapter.

* Complete units consist of Drill, Drive Mechanism, and type of Adapter specified.* The Vega Drill Speed Handle Drive Mechanism is available only on 3/4" and 1" units. * 3/4" and 1" Drive Mechanisms are interchangeable.* 1 1/2" thru 4" Drive Mechanisms are interchangeable.* 6" & 8" Drive Mechanisms are interchangeable.* The 1 1/2" and 2" units are furnished with Female Iron Pipe (FIP) threaded adapter unless otherwise specified.* 3" thru 8" units are furnished with "Pack-Off" plate style adapters that fit on both flanged and MJ fittings.

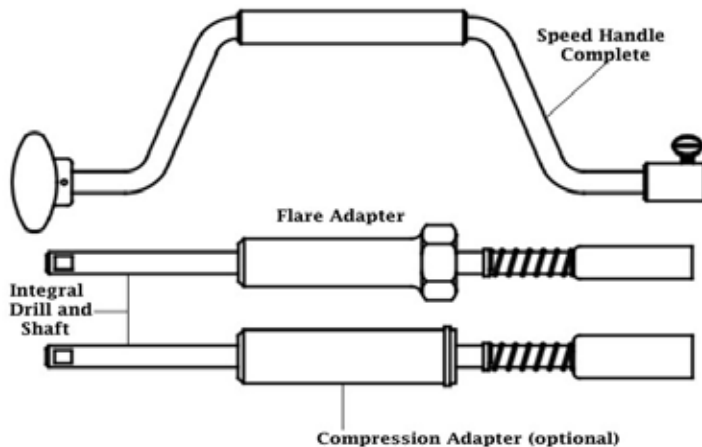
HOW TO ORDER: On 3/4" thru 2" units, specify the Model Number, followed by the two-digit item code ending which specifies the type of Adapter desired.

Example: To order a 1" unit w/ Ratchet and IPS Compression Adapter, specify Part Number: 9100R01. On 3" thru 8" units, these models are furnished with "Pack-Off" plate style Adapters, so simply specify the Model Number. Example: To order a 6" unit, specify **Part Number:**9600R.

NOTE: For 3/4" and 1" sizes Female Iron Pipe (FIP) or Male Iron Pipe (MIP) thread Flare bushing available. These bushings work in conjunction with the standard flare adapter, converting them from a flared copper thread to iron pipe thread. See parts page in adapters section.

Model Number	Size		Drive Mechanism	Catalog Number			List Price
				Flare Adapter	Compression Adapters		
	Inches	MM			IPS	CTS	
9075S	3/4	20	Speed Handle	9075S00	9075S01	9075S02	\$343.30
9075R	3/4	20	Ratchet Handle	9075R00	9075R01	9075R02	\$537.70
9100S	1	25	Speed Handle	9100S00	9100S01	9100S02	\$379.60
9100R	1	25	Ratchet Handle	9100R00	9100R01	9100R02	\$575.80
9150R	1 1/2	40	Ratchet Handle	9150R00	9150R01	9150R02	\$753.60
9200R	2	50	Ratchet Handle	9200R00	9200R01	9200R02	\$776.00
9300R	3	80	Ratchet Handle	-	-	-	\$789.80
9400R	4	100	Ratchet Handle	-	-	-	\$855.00
9600R	6	150	Ratchet Handle	-	-	-	\$1,461.20
9800R	8	200	Ratchet Handle	-	-	-	\$1,880.30

SERIES 9900 COMBO COMPLETE UNITS FOR C900 THICK WALL PLASTIC PIPE



- * Combination units consist of Drills, Drive Mechanism, and type of Adapters specified.
- * The Vega Drill Speed Handle Drive Mechanism is available only on 3/4" and 1" units.
- * 1 1/2" & 2" units are furnished with Female Iron Pipe (FIP) threaded Adapters unless otherwise specified.
- * 3/4" and 1" Drive Mechanisms are interchangeable.
- * The 1 1/2" and 4" Drive Mechanisms are interchangeable.
- * 6" & 8" Drive Mechanisms are interchangeable.
- * 3" thru 8" units are furnished with "Pack-Off" plate style adapters that fit on both flanged and MJ fittings.

3/4" and 1" C900 Vega Drills with Speed Handle, 3/4" Flare Adapter, and 1" Compression Adapter.

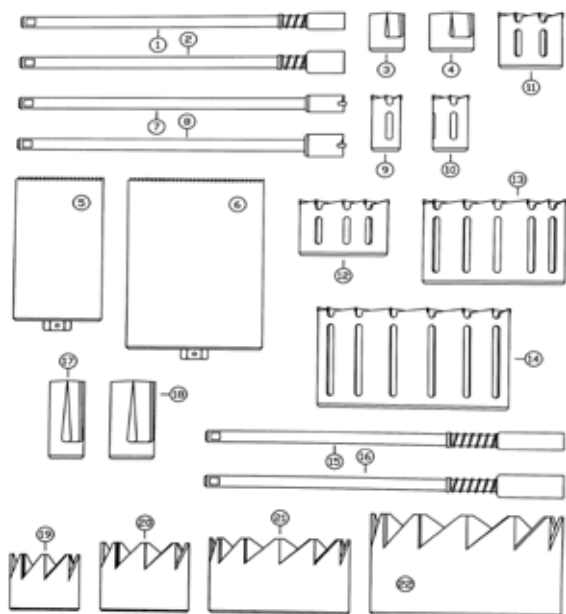
Model Number	Size		Drive Mechanism	Catalog Number			List Price
				Flare Adapter	Compression Adapters		
	Inches	MM				IPS	
9901S	3/4" & 1"	20 & 25	Speed Handle	9901S00	9901S01	9901S02	\$651.00
9901R	3/4" & 1"	20 & 25	Ratchet Handle	9901R00	9901R01	9901R02	\$847.00
9902R	3/4", 1", 1 1/2" & 2"	40 & 50 20, 25,	Ratchet Handle	9902R00	9902R01	9902R02	\$1,627.00
9904R	2" & 4"	50 & 100	Ratchet Handle	-	-	-	\$1,370.70
9906R	6" & 8"	150 & 200	Ratchet Handle	-	-	-	\$2,787.60
9908R	ALL	ALL	Ratchet Handle	-	-	-	\$5,420.00

HOW TO ORDER: Show model number followed by two digit item code ending which specifies the type of adapter desired. Example: To order a 3/4" & 1" Combination unit with Speed Handle and Flare Adapters, specify **Part Number:** 9901S00. When ordering combination units, remember to specify the type of Adapter for Vega Drill sizes smaller than 3".

NOTE: On the Model 9908R all size combination unit you must specify all of your adapter choices when ordering.

NOTE: For 3/4" and 1" sizes Female Iron Pipe (FIP) or Male Iron Pipe (MIP) thread Flare bushing available. These bushings work in conjunction with the standard flare adapter, converting them from a flared copper thread to iron pipe thread. See parts page in adapters section.

DRILLS & CUTTERS

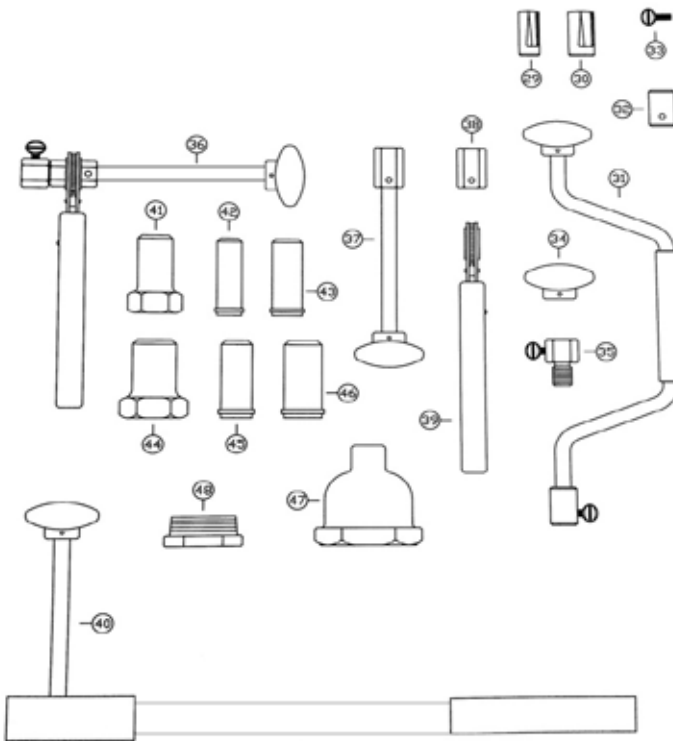


Catalog Number	Component Description	List Price	Illustration Key
3975A	3/4" Drill for IPS (Thin Wall)	\$119.00	1
3901A	1" Drill for IPS (Thin Wall)	\$127.30	2
3915A	1 1/2" Shell Cutter for IPS (Thin Wall)	\$135.60	3
3902A	2" Shell Cutter for IPS (Thin Wall)	\$165.00	4
4904A	4" Sewer Shell Cutter	\$283.90	5
4906A	6" Sewer Shell Cutter	\$350.40	6
7975A	3/4" Carbide Tip A/C Drill	\$281.80	7
7901A	1" Carbide Tip A/C Drill	\$305.80	8
7915A	1 1/2" Carbide Tip A/C Drill	\$376.40	9
7902A	2" Carbide Tip A/C Drill	\$412.60	10
7903A	3" Carbide Tip A/C Drill	\$592.40	11
7904A	4" Carbide Tip A/C Drill	\$824.50	12
7906A	6" Carbide Tip A/C Drill	\$1,172.60	13
7908A	8" Carbide Tip A/C Drill	\$1,521.10	14
9075A	3/4" C-900 Drill (Integral Shank)	\$154.20	15
9100A	1" C-900 Drill (Integral Shank)	\$177.30	16
9150A	1 1/2" C-900 Shell Cutter	\$217.40	17
9200A	2" C-900 Shell Cutter	\$287.80	18
9300A	3" C-900 Shell Cutter	\$237.10	19
9400A	4" C-900 Shell Cutter	\$329.80	20
9600A	6" C-900 Shell Cutter	\$468.90	21

DRILLS & CUTTERS

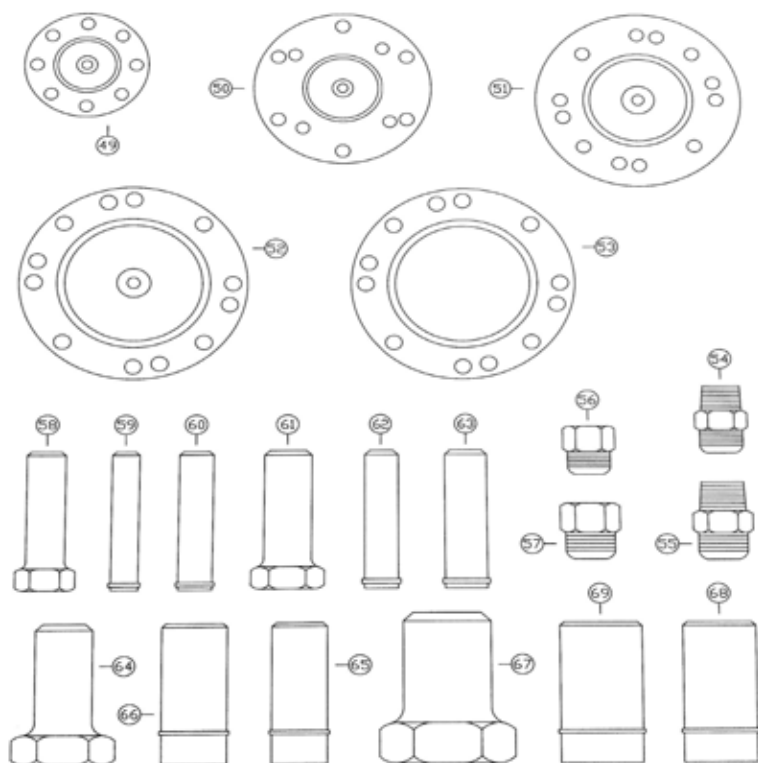
Catalog Number	Component Description	List Price	Illustration Key
9800A	8" C-900 Shell Cutter	\$608.50	22
9075DP	3/4" Cutter for /Dual Purpose Shank	\$190.00	29
9100DP	1" Cutter for /Dual Purpose Shank	\$284.60	30

DRILLS & CUTTERS - HANDLES - ADAPTERS



Catalog Number	Component Description	List Price	Illustration Key
3901J	Complete Speed Handle for 3/4" & 1" Drill	\$71.90	31
3901J1	Speed Handle Coupler	\$16.10	32
3901J2	Speed Handle Thumb Screw	\$2.00	33
3901J3	Knob Only for Speed Handle	\$20.70	34
3901P	P- Adapter for 3/4" and 1" Ratchet	\$41.90	35
3902D	Complete Ratchet for Sizes Below 6"	\$268.20	36
3902D1	Ratchet Knob, Shaft & Coupler Only (Specify 3/4" or 7/8")	\$67.10	37
3902D2	Ratchet Coupler Only (Specify 3/4" or 7/8")	\$22.90	38
3902D3	Ratchet Only for Sizes Below 6" (Specify 3/4" or 7/8")	\$137.90	39
3906I	Complete Ratchet for 6" and 8" Drill	\$468.70	t

ADAPTERS



Catalog Number	Component Description	List Price	Illustration Key
3975F	3/4" Flare Adapter	\$90.50	41
3975C	3/4" CTS Compression Adapter	\$90.50	42
3975I	3/4" IPS Compression Adapter	\$90.50	43
3901F	1" Flare Adapter	\$103.40	44
3901C	1" CTS Compression Adapter	\$103.40	45
3901I	1" IPS Compression Adapter	\$103.40	46
3902F	2" Female Iron Pipe (FIP) Adapter	\$152.10	47
3902H*	2" NPT X 1 1/2" NPT Bushing	\$47.30	48
3903D	3" Pack-Off Plate (Flanged & MJ Valve)	\$169.70	49
3904D	4" Pack-Off Plate (Flanged & MJ Valve)	\$188.80	50
3906D	6" Pack-Off Plate (Flanged & MJ Valve)	\$424.00	51
3908D	8" Pack-Off Plate (Flanged & MJ Valve)	\$690.70	52
3908F	8" Adapter Plate Bushing	\$328.50	53
3975Q	3/4" Male Iron Pipe (MIP) X Flare Bushing	\$37.30	54
3901Q	1" Male Iron Pipe (MIP) X Flare Bushing	\$37.30	55
3975R	3/4" Female Iron Pipe (MIP) X Flare Bushing	\$37.30	56
3901R	1" Female Iron Pipe (MIP) X Flare Bushing	\$37.30	57
9075F	3/4" C900 Flare Adapter	\$117.00	58
9075C	3/4" C900 CTS Compression Adapter	\$117.00	59
9075I	3/4" C900 IPS Compression Adapter	\$117.00	60
9100F	1" C900 Flare Adapter	\$130.40	61
9100C	1" C900 CTS Compression Adapter	\$130.40	62
9100I	1" C900 IPS Compression Adapter	\$130.40	63

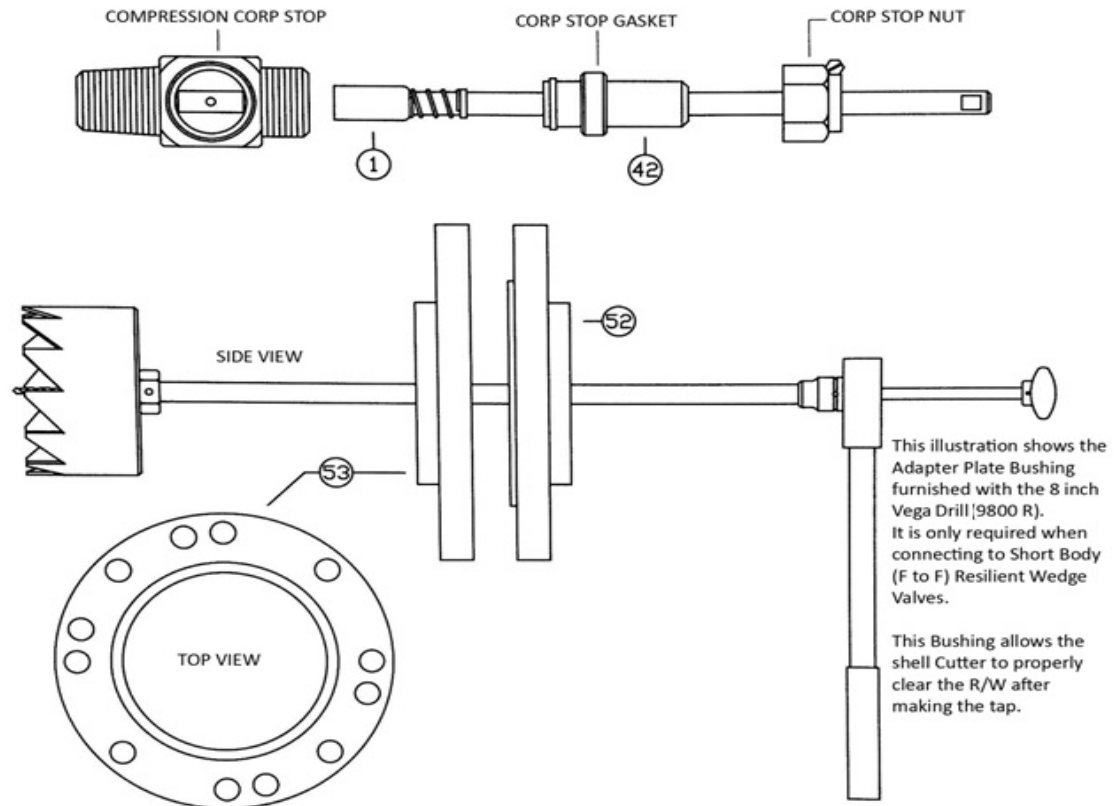
ADAPTERS

Catalog Number	Component Description	List Price	Illustration Key
9150F	1 1/2" Flare Adapter	\$180.80	64
9150C	1 1/2" C900 CTS Compression Adapter	\$180.80	65
9150I	1 1/2" C900 IPS Compression Adapter	\$180.80	66
9200F	2" Flare Adapter	\$192.30	67
9200C	2" C900 CTS Compression Adapter	\$192.30	68
9200I	2" C900 IPS Compression Adapter	\$192.30	69

ADAPTERS DETAIL

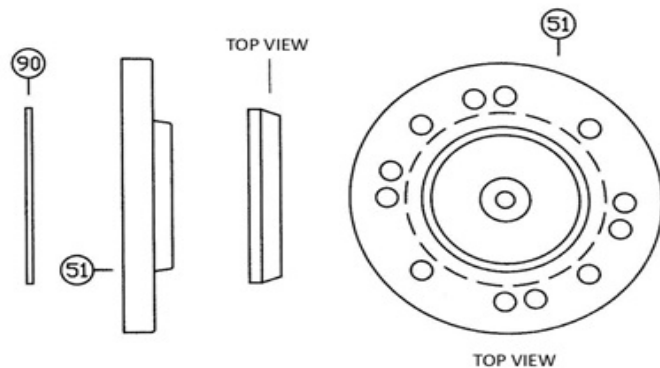
* Use with the 2" FIP Adapter to make a 1 1/2" FIP Adapter.

This illustration shows the assembly of a 3/4 inch Vega Drill and Compression Adapter to a compression Corporation Stop.



This illustration to the right shows that the Pack-Off Plate Adapters are designed to connect to both Flanged and Mechanical Joint Valves. The Adapter is shipped with a Flat Face Flange Gasket glued in place, but the Adapter can be reversed in the field and used with a Standard MJ Gasket.

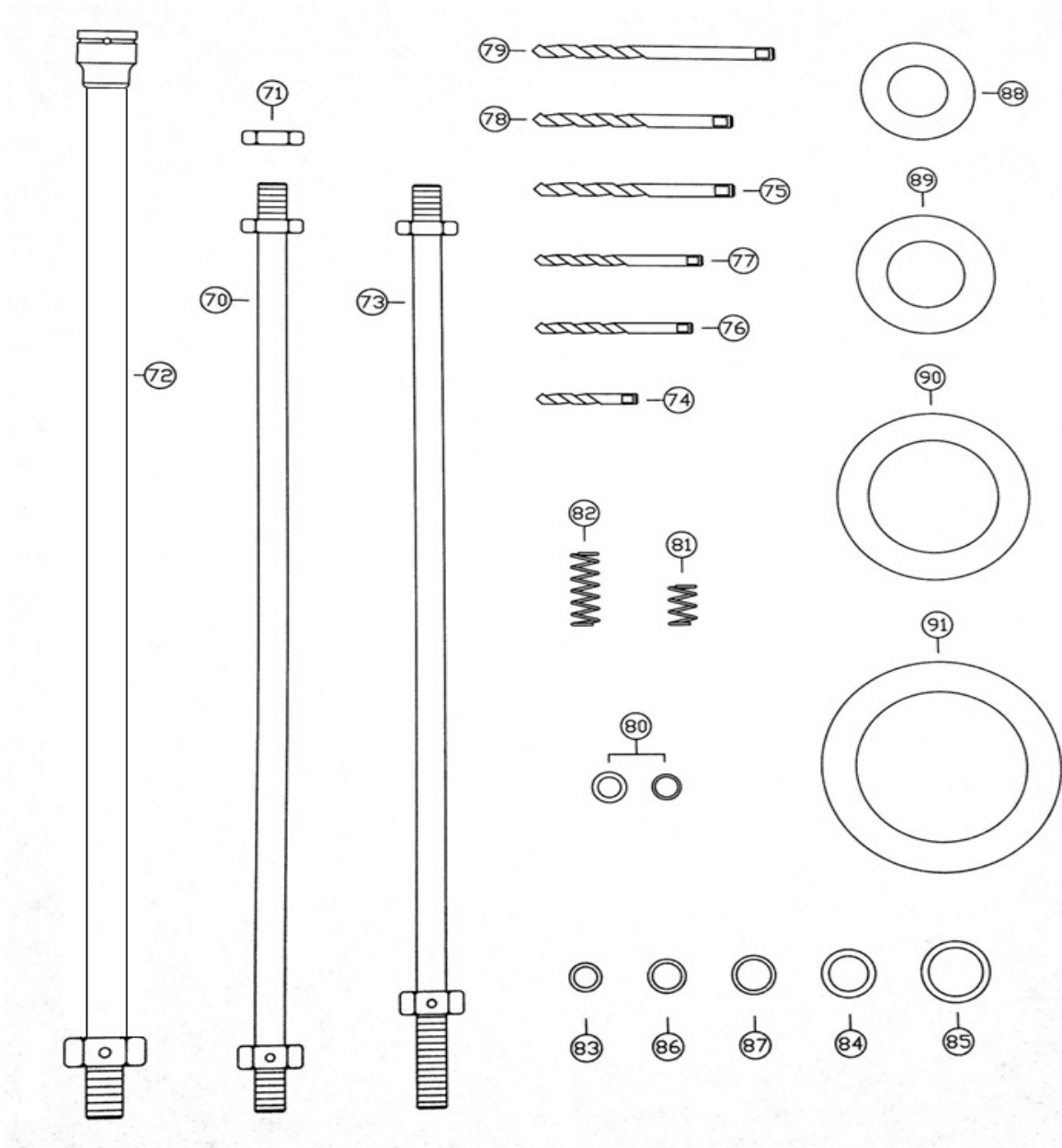
This design feature also requires the two different Bolt Circle patterns as shown.



MISC. PARTS / VEGADRILLS

Catalog Number	Component Description	List Price	Illustration Key
3905F	Shaft Only for 1 1/2", 2", 3" & 4" Cutters	\$57.30	70
3905F1	Jam Nut (5/8") for 2" & 4" Shaft	\$2.70	71
3906T	Shaft Only for 6" and 8" Shell Cutter	\$85.40	72
9200T	Shaft for 1 1/2" & 2" C900 Shell Cutter	\$75.50	73
3902G	1 1/2" & 2" Pilot Drill	\$11.60	74
9200G	1 1/2" & 2" C900 Pilot Drill	\$14.20	75
3903G	3" Pilot Drill	\$11.60	76
3904G	4" Pilot Drill	\$11.60	77
3906G	6" Pilot Drill	\$14.20	78
3908G	8" Pilot Drill	\$27.20	79
3901Y	SpiraLok Ring & Washer for 3/4" & 1" Drills	\$3.20	80
3901Z	Chip Retainer Spring for 3/4" & 1" Drills	\$3.40	81
9100Z	Chip Retainer Spring for 3/4" & 1" C900 Drills	\$6.90	82
3901V	Small O-Ring for 3/4" and 1" Adapters	\$2.00	83
3901W	Larger O-Ring for 3/4" Flare Adapter	\$2.10	84
3901X	Large O-Ring for 1" Flare Adapter	\$2.30	85
3904F	O-Ring for 2" FIP Adapter & 3" and 4" Pack-Off Plate	\$2.00	86
3906F	O-Ring for 6" and 8" Pack-Off Plate	\$2.00	87
3903E	3" Pack-Off Plate Gasket	\$12.10	88
3904E	4" Pack-Off Plate Gasket	\$12.10	89
3906E	6" Pack-Off Plate Gasket	\$18.10	90
3908E	8" Pack-Off Plate Gasket	\$21.80	91

MISC



MODEL 4810 CASING CHOCK

RISER: Type 304 (18-8) Stainless Steel per ASTM A240 or Carbon Steel per ASTM A36.

LINER: Elastomeric PVC per ASTM D149.

CHOCK SKID: Glass Reinforced Nylon or UHMW Polyethylene per ASTM D638.

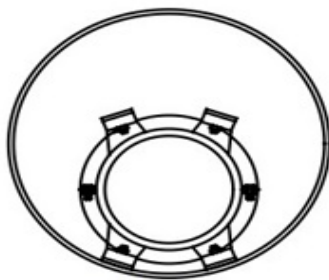
FASTENERS: Type 304 (18-8) Stainless Steel per ASTM A193.



PLEASE CONSULT FACTORY FOR PRICING

The Model 4810 Casing Chock is a versatile pipeline fitting that can be custom engineered for most carrier/casing pipe applications such as:

- Correcting improperly graded sewer casings.
- Centering pipeline rehabilitation slip lining carriers.
- Positioning insulated pipe without damaging insulation.
- Placing gravity sewer lines to on-grade requirements.



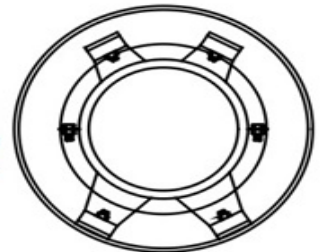
STANDARD

Standard

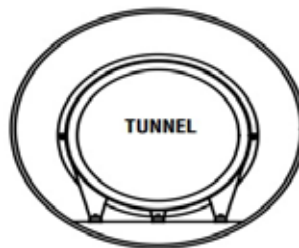
The standard design allows the carrier to clear the bell only.

Center Restrained

The Centered option positions and restrains the main carrier in the center of the casing to provide maximum space for other use and maintain grade.



CENTERED



Tunnel Chocks

Large diameter casing tunnels which previously required track systems for the carrier pipe can be accommodated with casing chocks designed to provide full support to a concrete "tunnel floor".



BOTTOM

Bottom Restrained

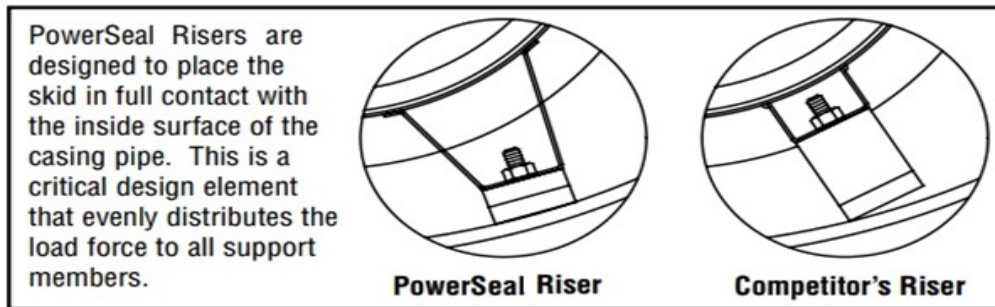
Bottom Restrained Chock allows for the clearance of the Bell only yet provides restraint from floating within the casing.

MultiCarrier
Allows casing pipe to be fitted with two or more carrier pipes and/or electrical or communication conduits.



MULTIPLE

MODEL 4810 CASING CHOCK



When ordering casing chocks please provide the following information:

- Engineering Firm Name, Job Name, and quote number.
- Outside Diameter and manufacturer of Carrier Pipe.
- Type of Joint, i.e. Mechanical Joint, Push-On, Flanged, Restrained, etc.
- Inside Diameter and Type of Casing Pipe.
- Length of Casing and/or Quantity of Chocks.
- Casing Chock Design, ie. Standard, Center restrained for example.
- Special installation requirements such as Leak Detection Cable, Special Clearance, etc.

HOW TO ORDER: To order a spacer to carry a 6" C900 pipe inside 16" 1/4" wall casing pipe order **Part Number:** 4810690155CA

First four numbers are Model Number, next three are Carrier Pipe OD, next three are Casing Pipe ID, first letter is the design (S= Standard, C= Centered, B= Bottom), second letter is the Chock width (A= 8", B= 12").

Add -CS after this to denote Carbon Steel Chocks. Part Number: 4810690155CA-CS

4860 POLYETHYLENE CASING CHOCK

PANEL HDPE Polyethylene ASTM D638.

RISER: HDPE Polyethylene ASTM D638.

CHOCK SKID: HDPE Polyethylene ASTM D638.

FASTENERS: Stainless Steel (304) ASTM A193.



Nominal Sizes	Effective Skid Height	Number of Runners	Number of Segments	Part Number	List Price
2 X 4-6	9/16"	6	2	4860238060NM	\$ 7.50
3 X 6-8	7/8"	6	2	4860350080NM	\$ 10.40
4 X 6-8	9/16"	6	2	4860450080NM	\$ 17.30
6 X 10-12	1	6	2	4860663120NM	\$ 23.00
8 X 12-14	1	6	2	4860863140NM	\$ 28.40
10 X 14-16	1	6	2	4860107160NM	\$ 32.90
12 X 16-18	1	6	2	4860127180NM	\$ 40.60
14 X 18-20	1	12	4	4860140180NM	\$ 47.70
16 X 20-22	1	12	4	4860160220NM	\$ 53.10
18 X 22-24	1	15	5	4860180240NM	\$ 59.20
20 X 24-26	2	15	5	4860200260NM	\$ 66.40
22 X 26-28	3	18	6	4860220300NM	\$ 72.40
24 X 28-30	4	18	6	4860240300NM	\$ 79.70
26 X 30-32	5	21	7	4860260320NM	\$ 85.70
28 X 32-34	6	21	7	4860280340NM	\$ 93.00
30 X 34-36	7	24	8	4860300360NM	\$ 99.00
32 X 34-36	8	24	8	4860320400NM	\$ 106.10
34 X 38-40	9	27	9	4860340420NM	\$ 112.30
36 X 40-42	10	27	9	4860360420NM	\$ 119.50
38 X 42-44	11	30	10	4860380440NM	\$ 125.60
40 X 44-46	12	30	10	4860400460NM	\$ 132.80
42 X 46-48	13	33	11	4860420480NM	\$ 138.90
44 X 48-50	14	33	11	4860440500NM	\$ 146.10
46 X 50-52	15	36	12	4860460520NM	\$ 152.10
48 X 52-54	16	36	12	4860480540NM	\$ 153.40

HOW TO ORDER: To order a spacer for a 4" IPS pipe inside 8" casing pipe order **Part Number:**
4860450080NM

4890 POLYETHYLENE CASING CHOCK

PANEL: HDPE Polyethylene ASTM D638.

RISER: HDPE Polyethylene ASTM D638.

CHOCK SKID: HDPE Polyethylene ASTM D638.

FASTENERS: Stainless Steel (304) ASTM A193.

FOR USE ON C900 AND DI PIPE OD'S



Carrier Size		Minimum Casing Size	Diameter Over Runners	Number of Runners	Number of Segments	Width	Part Number	List Price
In	MM							
4	100	10"	9 1/8"	6	2	4"	4890048100NM	\$ 25.80
6	150	12"	10 15/16"	6	2	4"	4890690120NM	\$ 28.10
8	200	16"	14 7/16"	6	2	4"	4890905160NM	\$ 30.60
10	250	18"	16 1/4"	6	2	4"	4890111180NM	\$ 32.60
12	300	20"	18 1/8"	6	2	4"	4890132200NM	\$ 36.30

NOTE: Special Rubber Inserts available to convert Poly Spacers to fit IPS, SDR26 & 35.

HOW TO ORDER: To order a spacer for a 6" C900 pipe inside 12" casing pipe order **Part Number:** 4890690120NM

END SEALS FOR CASING PIPE CLOSURES

The PowerSeal wraparound design facilitates installation when the carrier line has already been installed and the job is complete. Pull on design available per request.

Simply wrap the EndSeal around the carrier and casing pipes, press the industrial grade adhesive strips together, and secure with the stainless steel clamps.

EndSeals may be manufactured for any carrier/casing differential. They are used to create a seal between the carrier pipe and casing to insure filler material is maintained within or foreign objects kept out of the annular space.

And, unlike link-type sealing blocks that are limited by the carrier/casing differential and can only be used on a concentric profile, these EndSeals are totally flexible. They are constructed from 1/8" thick synthetic rubber assuring excellent chemical resistance and resiliency.

These products out perform the costly and labor intensive brick and mortar method of sealing casing ends.

While soil stress and pipe movement cause mortar to crack, the EndSeal moves with the pipe, insuring the integrity of the seal.

HOW TO ORDER First four numbers are model number, next three are casing pipe O.D., next three are carrier pipe O.D. EXAMPLE: A 30" casing pipe (30.00 O.D.) holding a 12" pipe (13.20 O.D.). Order **Part Number:** 4810300132ES.

Add -PO after this to denote Pull On Model. **Part Number:** 4810300132ES-PO



- 1 - Elastomeric Body
- 2 - Stainless Steel Clamps
- 3 - Adhesive Seal

MODEL 5000 VALVE BOX ALIGNER

PREVENTS VALVE MISALIGNMENT AND INSULATES

BODY: 1/4 Carbon Steel per ASTM A36.

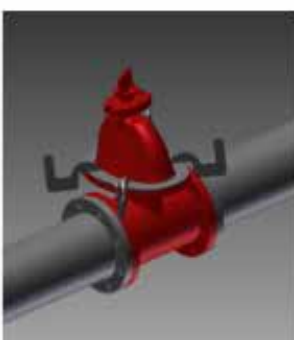
FINISH: Standard protective Epoxy coating.

GASKET: SBR from 100% new rubber with superior storage characteristics.

Suitable for mild acids, water and salt media.



Valve Size		Gate Valve Manufacturer	Catalog Number	List Price
4	100	US Pipe	500004000USP	\$260.00
		Waterous	500004000WTS	
		Mueller	500004000MUE	
		Kennedy	500004000KEN	
6	150	US Pipe	500006000USP	\$276.30
		Waterous	500006000WTS	
		Mueller	500006000MUE	
		Kennedy	500006000KEN	
8	200	US Pipe	500008000USP	\$281.70
		Waterous	500008000WTS	
		Mueller	500008000MUE	
		Kennedy	500008000KEN	
10	250	US Pipe	500010000USP	\$287.00
		Waterous	500010000WTS	
		Mueller	500010000MUE	
		Kennedy	500010000KEN	
12	300	US Pipe	500012000USP	\$319.50
		Waterous	500012000WTS	
		Mueller	500012000MUE	
		Kennedy	500012000KEN	
16	400	US Pipe	500016000USP	\$368.30
		Waterous	500016000WTS	
		Mueller	500016000MUE	
		Kennedy	500016000KEN	



THE BEST WAY TO MEASURE PIPES

The PowerSeal O.D. Tape is available to measure up to 24" and 36" diameters. A light weight pocket size tape measure. Perfect for all those who work in the field, from engineers to laborers.



24" (600 mm)

Catalog Number	Size	List Price
6001	24" 600mm	\$ 24.80

36" (900 mm)

Catalog Number	Size	List Price
6001-36	36" 900mm	\$ 27.30



Measure the pipe in a quick and easy way. Wrap the O.D. Tape around the pipe and you will have your exact O.D.

Available in IN/OD and METRIC/OD.

Ask factory about personalized tapes (Add your company logo)

Set up cost apply (One time fee)

MODELS 6960, 6961 & 6962 RATCHET SETS WITH DEEP SOCKETS

All PowerSeal Ratchet Sets come with deep sockets, which aid in the installation of PowerSeal Repair Clamps, Saddles, Tapping Sleeves, and Couplings.

All kits include ratchet, 6" deep sockets, and a specially designed box to carry your ratchets. The 6" deep sockets facilitate proper field installations. Furthermore, the 6" deep sockets function with almost any style of ratchet.

Model Number	Size	Catalog Number	List Price
6961	1 5/16	696111516	\$450.00
	1 1/16	696111116	
	1 1/4	696111114	
	1 1/8	696111118	



MANHOLE ID MARKERS

BODY: Type 304 (18-8) Stainless Steel per ASTM A240

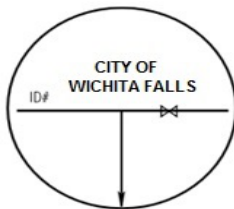
TOP: 1/4" thick and 3.20" diameter.

LENGTH: 3 1/4" long.

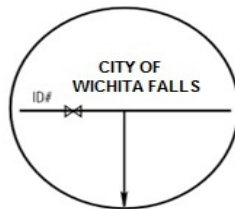
THREADED: 5/8-11 UNC rolled thread.

The perfect manner for identifying manhole covers, valves, and water and sewer line locations. Made entirely out of 304 stainless steel which adds to the quality and image of your municipality.

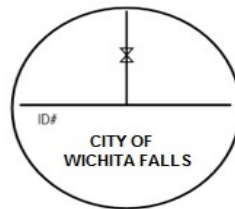
Description	Catalog Number	List Price
Manhole ID Valve on Eastside	82100PS16000	\$50.70
Manhole ID Valve on Center	82100PS18000	\$50.70
Manhole ID Valve on Westside	82100PS93000	\$50.70
Manhole ID Valve on Southside	82100PS14000	\$50.70
Manhole ID Valve on Northside	82100PS17000	\$50.70
Sanitary Sewer Manhold ID	82100PS20000	\$50.70
Manhole ID Valve on Eastside with Threads	82100PS16T00	\$61.30
Manhole ID Valve on Center with Threads	82100PS18T00	\$61.30
Manhole ID Valve on Westside with Threads	82100PS93T00	\$61.30
Manhole ID Valve on Southside with Threads	82100PS14T00	\$61.30
Manhole ID Valve on Northside with Threads	82100PS17T00	\$61.30
Sanitary Sewer Manhold ID with Threads	82100PS20T00	\$61.30
Sanitary Sewer Manhold ID with Logo	82100PS20L00	\$74.10
Sanitary Sewer Manhold ID with Logo	82100PS20TL0	\$79.60
Manhole ID Valve on Southside with Threads, with Logo, with Hydrant	82100PS15TLH	\$79.60



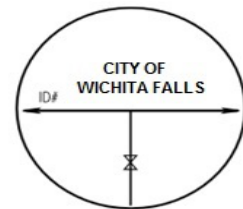
Valve on Eastside



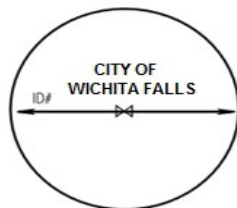
Valve on Westside



Valve on Northside



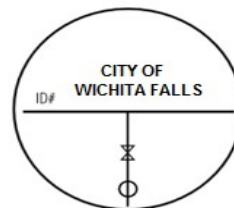
Valve on Southside



Valve on Center



Sewer ID w/ logo



Valve on Southside with Hydrant

8010P 18X18 POLY BOX W/LOCKING LID

RING AND LID: Cast Iron per ASTM A536.

BODY: Poly blend, black exterior white interior with raised knockouts.

LOCKING MECHANISM: Bronze per ASTM B584, AWWA C800 (85-5-5).



RING AND LID: Cast Iron per ASTM A536.

BODY: Galvanized 16 Gauge

LOCKING MECHANISM: Bronze per ASTM B584, AWWA C800.

Various Box Sizes and Lid options available upon request

8000 C.I MUSHROOM LID: Cast Iron per ASTM A48

Catalog Number	
8000060000-M	
List Price	POA

**8070 C.I VALVE BOX: Cast Iron per ASTM A48**

Catalog Number	
8070000000CI-W	
List Price	POA

**Water Meter Lid OFF**

Ductile Iron Per ASTM A536 Locking Mechanism
Bronze per ASTM B584, AWWA C800 (85-5-5)



Catalog Number	
801018X00WLO-OFF	
List Price	POA

Sewer Lid available upon request

Water Meter Key ON: Ductile Iron Per ASTM A536



Catalog Number	
801000000WMK	
List Price	POA

Water Meter Key OFF: Ductile Iron Per ASTM A536



Catalog Number	
801000000WMK-O	
List Price	POA



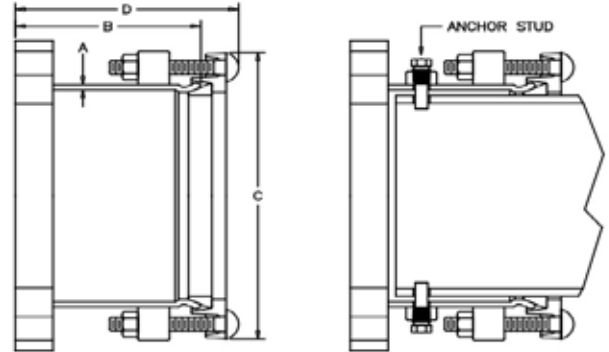
MODEL 3528 FLANGED COUPLING ADAPTER

ADAPTER BODY: Carbon Steel per ASTM A53 or A 283 or Carbos Steel.

END GLAND: Carbon Steel per AISI C1020.

BOLTS & NUTS: Low Alloy Steel per ASTM A325, ASTM A563, and AWWA C111.

GASKET: SBR per ASTM D2000. Suitable for mild acids, water, and salt media with a temperature range of -25° F to -200° F. Optional materials available.



Nominal Pipe Size		Pipe OD Range		Standard Flanged Adapter		Optional Anchor Stud Restraint Flanged Adapter with Anchor Studs				Weight		A		B		C		D	
Inches	MM	Inches	MM	Catalog Number	List Price	QTY	PSI	Catalog Number	List Price	lbs.	kgs.	Inches	MM	Inches	MM	Inches	MM	Inches	MM
3	80	3.44-3.56	87-90	3528035003EO	\$393.00	2	275	3528035003EO-AP	\$545.20	19	9	0.20	5.2	7.7	195	8.5	216	9.0	229
4	100	3.94-4.06	100-103	3528040004EO	\$423.90	2	275	3528040004EO-AP	\$576.20	24	11	0.20	5.2	7.7	195	9.0	229	9.0	229
		4.44-4.56	113-116	3528045004EO	\$454.30	2	275	3528045004EO-AP	\$609.20	25	11	0.20	5.2	7.7	195	9.0	229	9.0	229
		4.74-4.86	120-123	3528048004EO	\$479.40	2	275	3528048004EO-AP	\$630.25	27	12	0.25	6.4	7.7	195	9.8	248	9.0	229
5	125	5.49-5.62	139-143	3528050005EO	\$529.50	2	250	3528050005EO-AP	\$679.50	29	13	0.25	6.4	10.7	271	10.3	271	12.0	305
6	150	5.94-6.06	151-154	3528060006EO	\$560.20	2	210	3528060006EO-AP	\$710.20	37	17	0.25	6.4	10.7	271	11.6	295	12.0	305
		6.57-6.69	167-170	3528066306EO	\$599.20	2	175	3528066306EO-AP	\$749.00	37	17	0.25	6.4	10.7	271	11.6	295	12.0	305
		6.84-6.96	174-177	3528069006EO	\$618.70	2	160	3528069006EO-AP	\$767.20	38	17	0.25	6.4	10.7	271	11.6	295	12.0	305
8	200	7.94-8.06	202-205	3528080008EO	\$668.90	4	240	3528080008EO-AP	\$1,015.30	46	21	0.25	6.4	10.7	271	13.6	346	12.0	305
		8.57-8.70	218-221	3528086308EO	\$744.10	4	206	3528086308EO-AP	\$1,054.20	47	21	0.25	6.4	10.7	271	13.6	346	12.0	305
		8.99-9.10	228-231	3528090508EO	\$766.40	4	187	3528090508EO-AP	\$1,080.10	50	23	0.25	6.4	10.7	271	14.0	356	12.0	305
10	250	9.94-10.06	252-256	3528100010EO	\$869.50	4	153	3528100010EO-AP	\$1,210.20	60	27	0.25	6.4	10.7	271	14.8	375	12.0	305
		10.69-10.81	272-275	3528107510EO	\$933.60	6	192	3528107510EO-AP	\$1,454.20	55	25	0.25	6.4	10.7	271	15.5	394	12.0	305
		11.00-11.25	279-286	3528111010EO	\$955.90	7	186	3528111010EO-AP	\$1,475.40	56	25	0.25	6.4	10.7	271	16.0	406	12.0	305
12	300	11.94-12.06	303-306	3528120012EO	\$1,034.00	6	159	3528120012EO-AP	\$1,552.20	68	31	0.25	6.4	10.8	275	16.8	425	12.1	308
		12.63-12.84	321-326	3528127512EO	\$1,098.00	8	188	3528127512EO-AP	\$1,769.30	72	33	0.25	6.4	10.8	275	17.5	445	12.1	308
		13.08-13.29	332-338	3528132012EO	\$1,128.80	8	175	3528132012EO-AP	\$1,820.40	72	33	0.25	6.4	10.8	275	18.1	460	12.3	311
14	350	13.88-14.09	353-358	3528140014EO	\$1,284.80	Pipe Sizes 14 inch and larger require a Harness Assembly for proper Joint Restraint. Consult PowerSeal Engineering for Application Parameters.				103	47	0.25	6.4	10.9	278	18.9	479	12.3	311
		15.18-15.39	386-391	3528153014EO	\$1,335.00					104	47	0.25	6.4	10.9	278	20.1	511	12.3	311
		15.88-16.09	403-409	3528160016EO	\$1,438.10					128	58	0.25	6.4	11.0	279	20.9	530	12.4	314
16	400	17.28-17.49	439-444	3528174016EO	\$1,616.50					123	56	0.25	6.4	11.0	279	22.3	565	12.4	314
		17.68-17.89	449-454	3528178016EO	\$1,658.30					118	54	0.25	6.4	11.0	279	22.6	575	12.4	314
		17.88-18.09	454-459	3528180018EO	\$1,708.40					136	62	0.25	6.4	11.1	281	22.9	581	12.5	318
18	450	19.38-19.59	492-496	3528195018EO	\$1,942.50					132	60	0.25	6.4	11.1	281	24.4	619	12.5	318
		19.80-20.01	503-508	3528199218EO	\$2,003.80					127	58	0.25	6.4	11.1	281	24.9	639	12.5	318
		19.88-20.09	505-510	3528200020EO	\$2,045.70					160	73	0.25	6.4	11.3	283	24.9	639	12.5	318
20	500	21.48-21.69	546-551	3528216020EO	\$2,332.70					155	70	0.25	6.4	11.3	283	26.5	673	12.6	321
		21.94-22.15	557-563	3528220620EO	\$2,374.50					154	70	0.25	6.4	11.3	283	27.0	686	12.6	321
		23.88-24.09	607-612	3528240024EO	\$2,513.90					207	94	0.25	6.4	11.3	286	28.9	733	12.8	324
24	600	25.68-25.89	652-658	3528258024EO	\$2,692.30					202	92	0.25	6.4	11.3	286	30.6	778	12.8	324
		26.20-26.41	665-671	3528263224EO	\$2,828.80					197	89	0.25	6.4	11.3	286	31.1	791	12.3	311

STEEL COUPLINGS

SMALL DIAMETERS FOR STEEL OD

CENTER BARREL: Rolled Steel Grade S275 per ASTM A283.

END GLANDS: Ductile Iron per ASTM A536 and AWWA C219.

GASKET: NBR per ASTM D2000, AWWA C111 and ANSI A21.11.

BOLTS & NUTS: Electro-Galvanized Steel per ASTM A307.

FINISH: Fusion Bonded Epoxy per AWWA C213.

Nominal Pipe Size		Pipe OD		Catalog Number	Barrel length		List Price
Inches	MM	Inches	MM		Inches	MM	
1/2	15	0.84	21	3538005004EG-N	3 5/8"	100	\$ 20.00
3/4	20	1.05	27	3538007005EG-N	4 7/8"	123	\$ 23.10
1	25	1.32	34	3538010005EG-N	4 15/16"	124	\$ 26.20
1 1/4	26	1.66	42	3538012505EG-N	4 15/16"	124	\$ 36.90
1 1/2	38	1.90	48	3538015005EG-N	5	125	\$ 39.60
2	50	2.38	51	3538023805EG-N	5	125	\$ 47.40
				3538023807EG-N	7	175	\$ 53.20
				3538023812EG-N	12	300	\$ 70.40
3	80	3.50	89	3538035005EG-N	5	125	\$ 72.70
				3538035007EG-N	7	175	\$ 83.30
				3538035012EG-N	12	300	\$ 112.40
4	100	4.50	114	3538045005EG-N	5	125	\$ 83.30
				3538045007EG-N	7	175	\$ 87.20
				3538045012EG-N	12	300	\$ 130.00
5	125	5.56	141	3538055612EG-N	12	300	\$ 215.00
6	150	6.63	168	3538066305EG-N	5	125	\$ 139.40
				3538066307EG-N	7	175	\$ 166.90
				3538066312EG-N	12	300	\$ 226.30
				3538066316EG-N	16	400	\$ 283.90
8	200	8.63	219	3538086312EG-N	12	300	\$ 332.20
				3538086316EG-N	16	400	\$ 393.80
				3538086324EG-N	24	600	\$ 512.90
10	250	10.75	273	3538107512EG-N	12	300	\$ 455.70
				3538107516EG-N	16	400	\$ 529.60
				3538107524EG-N	24	600	\$ 693.00
12	300	12.75	324	3538127516EG-N	16	400	\$ 633.50

HOW TO ORDER: Specify Model Number, Pipe Size and Length. Example: 6" Steel O.D. 6.63 X 12" in Length. Order 6"X12. **Part Number:** 3538066312EG-N .

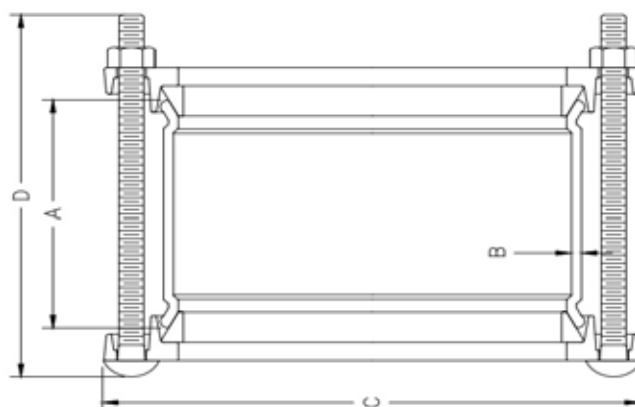
MODEL 3538 COUPLING

CENTER BARREL: Carbon Steel per ASTM A53 or ASTM A 283 (DICE 2b3).

END GLAND: Carbon Steel per AISI C1020.

BOLTS & NUTS: Low Alloy Steel per ASTM A325, ASTM A563, and AWWA C111.

GASKET: SBR per ASTM D2000. Suitable for mild acids, water, and salt media with a temperature range of -25° F to -200° F. Optional materials available.



Nominal Pipe Size		Pipe OD Range		Barrel Length Dim-A		Barrel Thickness Dim-B		Gland OD Dim-C		Overall Length Dim-D		Coupling		Weight		Working Pressure PSI
Inches	MM	Inches	MM	Inches	MM	Inches	MM	Inches	MM	Inches	MM	Catalog Number	List Price	lbs	kgs	
4	100	4.50	114	5.00	127	0.20	5	8.20	208	6.50	165	3538045005E0	\$152.30	13	6	1200
		4.50	114	7.00	178	0.20	5	8.20	208	8.50	216	3538045007E0	\$171.20	16	7	1200
6	150	6.63	168	5.00	127	0.25	6	10.90	278	6.50	165	3538066305E0	\$303.20	23	10	1030
		6.63	168	7.00	178	0.25	6	10.90	278	8.50	216	3538066307E0	\$354.30	26	12	1030
8	200	8.63	219	5.00	127	0.25	6	12.90	329	6.50	165	3538086305E0	\$243.00	28	13	810
		8.63	219	7.00	178	0.25	6	12.90	329	8.50	216	3538086307E0	\$262.30	32	15	810
10	250	10.00	254	7.00	178	0.25	6	14.30	364	6.50	279	3538100007E0	\$322.90	38	17	700
		10.75	273	5.00	127	0.25	6	15.10	383	8.50	165	3538107505E0	\$298.30	34	15	660
		10.75	273	7.00	178	0.25	6	15.10	383	6.50	216	3538107507E0	\$345.10	40	18	660
12	300	12.00	305	5.00	127	0.25	6	16.30	414	8.50	216	3538120005E0	\$475.20	37	17	590
		12.00	305	7.00	178	0.25	6	16.30	414	6.50	279	3538120007E0	\$519.80	44	20	590
		12.75	324	5.00	127	0.25	6	17.10	433	8.50	165	3538127505E0	\$494.20	39	18	560
		12.75	324	7.00	178	0.25	6	17.10	433	6.50	216	3538127507E0	\$540.50	46	21	560
14	350	14.00	356	5.00	127	0.25	6	18.30	465	8.50	216	3538140005E0	\$505.30	41	19	510
		14.00	356	7.00	178	0.25	6	18.30	465	6.50	279	3538140007E0	\$535.70	48	22	510
16	400	16.00	406	7.00	178	0.25	6	20.30	516	8.50	279	3538160007E0	\$654.40	56	25	450
18	450	18.00	457	7.00	178	0.25	6	22.40	570	6.50	279	3538180007E0	\$682.00	81	37	410
20	500	20.00	508	7.00	178	0.25	6	24.40	621	8.50	279	3538200007E0	\$831.10	91	41	360
22	550	22.00	559	7.00	178	0.25	6	26.40	672	6.50	279	3538220007E0	\$891.90	98	44	330
24	600	24.00	610	7.00	178	0.25	6	28.40	722	28.40	279	3538240007E0	\$1,038.20	106	48	310
26	650	26.00	660	7.00	178	0.25	6	30.30	768	10.00	254	3538260007E0	\$1,484.40	113	51	277
28	700	28.00	711	7.00	178	0.25	8	32.30	819	10.00	254	3538280007E0	\$1,534.80	122	55	257
30	750	30.00	762	7.00	178	0.25	6	34.30	870	10.00	254	3538300007E0	\$1,578.40	131	59	240
		32.00	813	7.00	178	0.38	9.5	37.10	943	10.00	254	3538300007E0	POA	199	90	335
36	900	36.00	914	7.00	178	0.25	6.4	40.30	1022	11.00	279	353836A007E0	POA	160	73	201
		36.00	914	7.00	178	0.38	9.5	41.10	1045	10.00	254	353836B007E0	POA	221	100	298
42	1100	42.00	1067	7.00	178	0.38	9.5	47.10	1197	14.00	356	3538420007E0	POA	258	117	257
		42.00	1067	10.00	254	0.38	9.5	47.10	1197	11.50	292	3538420010E0	POA	307	139	257

MODEL 3538 COUPLING

Nominal Pipe Size		Pipe OD Range		Barrel Length Dim-A		Barrel Thickness Dim-B		Gland OD Dim-C		Overall Length Dim-D		Coupling		Weight		Working Pressure PSI
Inches	MM	Inches	MM	Inches	MM	Inches	MM	Inches	MM	Inches	MM	Catalog Number	List Price	lbs	kgs	
48	1200	48.00	1219	7.00	178	0.38	9.5	53.10	1349	14.50	368	3538480007EO	POA	295	134	226
		48.00	1219	10.00	254	0.38	9.5	53.10	1349	11.50	292	3538480010EO	POA	351	159	226
		48.00	1219	7.00	178	0.50	12.7	53.10	1349	14.50	368	353848C007EO	POA	320	145	299
		48.00	1219	10.00	254	0.50	12.7	53.10	1349	11.50	292	353848D010EO	POA	394	179	299
54	1350	54.00	1372	10.00	254	0.38	9.5	59.10	1502	14.50	368	353854A010EO	POA	395	179	202
		54.00	1372	10.00	254	0.50	12.7	59.10	1502	14.50	368	353854B010EO	POA	444	201	267
60	1500	60.00	1524	10.00	254	0.38	9.5	65.10	1654	14.50	368	353860A010EO	POA	439	199	180
		60.00	1524	10.00	254	0.50	12.7	65.10	1654	14.50	368	353860B010EO	POA	491	223	241
66	1700	66.00	1676	10.00	254	0.38	9.5	71.10	1807	14.50	368	353866A010EO	POA	483	219	165
		66.00	1676	10.00	254	0.50	12.7	71.10	1807	14.50	368	353866B010EO	POA	540	245	220
72	1800	72.00	1829	10.00	254	0.38	9.5	77.10	1959	14.50	368	353877A010EO	POA	526	239	151
		72.00	1829	10.00	254	0.50	12.7	77.10	1959	14.50	368	353877B010EO	POA	590	268	202

MODEL 3539 INSULATED COUPLING

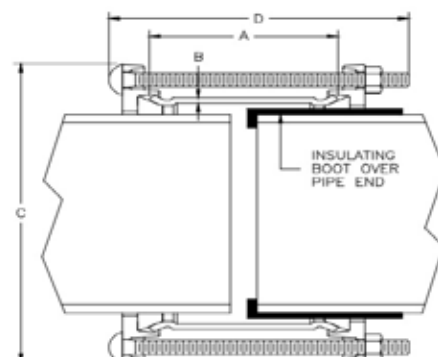
CENTER BARREL: Carbon Steel per ASTM A53 or ASTM A 283 or Carbon Steel.

GLANDS: Carbon Steel per AISI C1020.

BOLTS & NUTS: Low Alloy Steel per ASTM A325, ASTM A563, and AWWA C111.

INSULATING BOOT: Neoprene per ASTM D2000.

GASKET: SBR per ASTM D2000. Suitable for mild acids, water, and salt media with a temperature range of -25° F to -200° F. Optional materials available.



Nominal Pipe Size		Pipe OD Range		Barrel Length Dim-A		Barrel Thickness Dim-B		Gland OD Dim-C		Overall Length Dim-D		Coupling		Weight	
Inches	MM	Inches	MM	Inches	MM	Inches	MM	Inches	MM	Inches	MM	Catalog Number	List Price	lbs	kgs
2	50	2.38	60	5.00	127	0.22	6.0	6.30	159	8.50	216	3539023805EO	POA	6	3
3	80	3.50	89	5.00	127	0.24	6.0	7.00	178	8.50	216	3539035005EO		11	5
4	100	4.50	114	5.00	127	0.26	6.6	8.30	210	8.50	216	3539048005EO		16	7
6	150	6.63	168	5.00	127	0.25	6.4	11.40	289	8.50	216	3539066305EO		26	12
8	200	8.63	219	7.00	178	0.25	6.4	13.20	335	11.00	279	3539086307EO		39	17
10	250	10.75	273	7.00	178	0.38	8.0	15.60	395	11.00	279	3539107507EO		41	19
12	300	12.75	324	7.00	178	0.38	8.0	17.20	437	11.00	279	3539127507EO		43	20
14	350	14.00	356	7.00	178	0.38	8.0	18.80	476	11.00	279	3539140007EO		74	34
16	400	16.00	406	7.00	178	0.38	8.0	20.80	527	11.00	279	3539160007EO		86	39
18	450	18.00	457	7.00	178	0.38	8.0	22.80	578	11.00	279	3539180007EO		94	43
20	500	20.00	508	7.00	178	0.38	8.0	24.80	629	11.00	279	3539200007EO		105	78
22	550	22.00	559	7.00	178	0.38	8.0	26.80	679	11.00	279	3539220007EO		114	52
24	600	24.00	610	7.00	178	0.38	8.0	28.80	730	11.00	279	3539240007EO		125	57

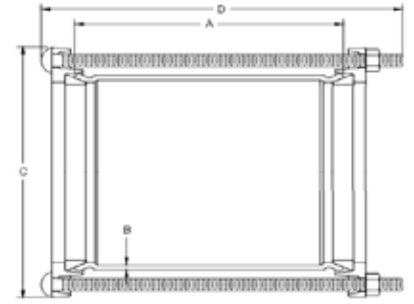
MODEL 3540 LONG BARREL COUPLING

CENTER BARREL: Carbon Steel per ASTM A53 or ASTM A 283 or Carbon Steel.

GLAND: Carbon Steel per AISI C1020.

BOLTS & NUTS: Low Alloy Steel per ASTM A325, ASTM A563, and AWWA C111.

GASKETS: SBR per ASTM D2000. Suitable for mild acids, water, and salt media with a temperature range of -25° F to -200° F. Optional materials available.



Nominal Pipe Size		Pipe OD Range		Barrel Length Dim-A		Barrel Thickness Dim-B		Gland OD Dim-C		Overall Length Dim-D		Coupling		Weight		Working Pressure PSI
Inches	MM	Inches	MM	Inches	MM	Inches	MM	Inches	MM	Inches	MM	Catalog Number	List Price	lbs	kgs	
4	100	A	4.50	114	12.00	305	0.20	5.2	8.20	208	14.00	356	3540045012EO	22	10	1100
		B	4.50	114	16.00	406	0.20	5.2	8.20	208	17.50	445	3540045016EO	28	13	1100
		C	4.50	114	24.00	610	0.20	5.2	8.20	208	25.50	648	3540045024EO	39	18	1100
6	150	A	6.63	168	10.00	254	0.25	6.4	10.90	278	11.00	270	3540066310EO	35	16	1030
		B	6.63	168	16.00	406	0.25	6.4	10.90	278	17.50	445	3540066316EO	47	21	970
		C	6.63	168	24.00	610	0.25	6.4	10.90	278	25.50	648	3540066324EO	66	30	970
8	200	A	8.63	219	10.00	254	0.25	6.4	12.90	329	11.00	279	3540086310EO	42	19	810
		B	8.63	219	16.00	406	0.25	6.4	12.90	329	17.50	445	3540086316EO	57	26	770
		C	8.63	219	24.00	610	0.25	6.4	12.90	329	25.50	648	3540086324EO	79	36	770
10	250	A	10.75	273	10.00	254	0.25	6.4	15.10	383	11.00	279	3540107510EO	52	24	660
		B	10.75	273	16.00	406	0.25	6.4	15.10	383	17.50	445	3540107516EO	71	32	630
		C	10.75	273	24.00	610	0.25	6.4	15.10	383	25.50	648	3540107524EO	99	45	630
12	300	A	12.75	324	10.00	254	0.25	6.4	17.10	433	11.00	279	3540127510EO	59	27	560
		B	12.75	324	16.00	406	0.25	6.4	17.10	433	17.50	445	3540127516EO	81	37	800
		C	12.75	324	24.00	610	0.25	6.4	17.10	433	25.50	648	3540127524EO	113	51	800
14	350	A	14.00	356	16.00	406	0.38	9.5	18.40	468	20.00	508	3540140016EO	129	59	730
		B	14.00	356	24.00	610	0.38	9.5	18.40	468	28.00	711	3540140024EO	176	80	730
		C	15.30	389	16.00	406	0.38	9.5	19.90	505	20.00	508	3540153016EO	144	65	N/A
		D	15.30	389	24.00	610	0.38	9.5	19.90	505	28.00	711	3540153024EO	196	89	N/A
		E	15.65	398	16.00	406	0.38	9.5	20.20	513	20.00	508	3540156516EO	146	66	N/A
		F	15.65	398	24.00	610	0.38	9.5	20.20	513	28.00	711	3540156524EO	200	91	N/A
16	400	A	16.00	406	16.00	406	0.38	9.5	20.40	519	20.00	508	3540160016EO	149	68	650
		B	16.00	406	24.00	610	0.38	9.5	20.40	519	28.00	711	3540160024EO	202	92	650
		C	17.40	442	16.00	406	0.38	9.5	21.90	557	20.00	508	3540174016EO	160	73	N/A
		D	17.40	442	24.00	610	0.38	9.5	21.90	557	28.00	711	3540174024EO	218	99	N/A
		E	17.80	452	16.00	406	0.38	9.5	22.30	568	20.00	508	3540178016EO	162	74	N/A
		F	17.80	452	24.00	610	0.38	9.5	22.30	568	28.00	711	3540178024EO	221	100	N/A
18	450	A	18.00	457	16.00	406	0.38	9.5	22.40	570	20.00	508	3540180016EO	163	74	580
		B	18.00	457	24.00	610	0.38	9.5	22.40	570	28.00	711	3540180024EO	223	101	580
		C	19.50	495	16.00	406	0.38	9.5	24.10	611	20.00	508	3540195016EO	179	81	N/A
		D	19.50	495	24.00	610	0.38	9.5	24.10	611	28.00	711	3540195024EO	245	111	N/A
		E	19.92	506	16.00	406	0.38	9.5	24.50	622	20.00	508	3540199216EO	182	83	N/A
		F	19.92	506	24.00	610	0.38	9.5	24.50	622	28.00	711	3540199224EO	249	113	N/A

MODEL 3540 LONG BARREL COUPLING

Nominal Pipe Size			Pipe OD Range		Barrel Length Dim-A		Barrel Thickness Dim-B		Gland OD Dim-C		Overall Length Dim-D		Coupling		Weight		Working Pressure
Inches	MM		Inches	MM	Inches	MM	Inches	MM	Inches	MM	Inches	MM	Catalog Number	List Price	lbs	kgs	PSI
20	500	A	20.00	508	10.00	254	0.38	9.5	24.40	621	13.50	343	3540200010EO	POA	136	62	525
		B	20.00	508	16.00	406	0.38	9.5	24.40	621	19.50	495	3540200016EO		183	83	525
		C	21.60	549	10.00	254	0.38	9.5	26.10	664	13.50	343	3540216010EO		145	66	N/A
		D	21.60	549	16.00	406	0.38	9.5	26.10	664	19.50	495	3540216016EO		195	88	N/A
		E	22.06	560	10.00	254	0.38	9.5	26.60	676	13.50	343	3540220610EO		148	67	N/A
		F	22.06	560	16.00	406	0.38	9.5	26.60	676	19.50	495	3540220616EO		200	91	N/A
22	550	A	22.00	559	10.00	254	0.38	9.5	26.40	672	13.50	343	3540220010EO		147	67	480
		B	22.00	559	16.00	406	0.38	9.5	26.40	672	19.50	495	3540220016EO		199	90	480
24	600	A	24.00	610	10.00	254	0.38	9.5	28.40	722	13.50	343	3540240010EO		161	73	440
		B	24.00	610	16.00	406	0.38	9.5	28.40	722	19.50	495	3540240016EO		217	98	440
		C	25.80	655	10.00	254	0.38	9.5	30.40	772	13.50	343	3540258010EO		171	78	N/A
		D	25.80	655	16.00	406	0.38	9.5	30.40	772	19.50	495	3540258016EO		231	105	N/A
		E	26.32	669	10.00	254	0.38	9.5	30.90	784	13.50	343	3540263210EO		174	79	N/A
		F	26.32	669	16.00	406	0.38	9.5	30.90	784	19.50	495	3540263216EO		235	107	N/A

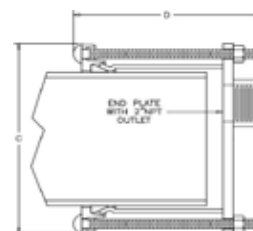
MODEL 3551 ENDCAP COUPLING

CENTER BARREL & CAP: Carbon Steel per ASTM A53 or ASTM A 283 or Carbon Steel.

GLANDS: Carbon Steel per AISI C1020.

BOLTS & NUTS: Low Alloy Steel per ASTM A325, ASTM A563, and AWWA C111.

GASKET: SBR per ASTM D2000. Suitable for mild acids, water, and salt media with a temperature range of -25° F to -200° F. Optional materials available.



Nominal Pipe Size			Pipe OD Range		Gland OD Dim-C		Overall Length Dim-D		End Cap Coupling		Unit Wt.	
Inches	MM		Inches	MM	Inches	MM	Inches	MM	Catalog Number	List Price	lbs	kgs
2	50	A	2.50	64	6.20	157	7.90	202	3551025000EO	POA	10	5
3	80	A	3.80	97	7.10	179	8.20	208	3551038000EO		13	6
		B	3.96	101	7.50	191	8.20	208	3551039600EO		13	6
4	100	A	4.80	122	8.10	207	8.20	208	3551048000EO		18	8
		B	5.10	130	8.10	207	8.20	208	3551051000EO		19	9
6	150	A	6.90	175	10.20	259	8.20	208	3551069000EO		26	12
		B	7.10	180	10.20	259	8.20	208	3551071000EO		27	12
8	200	A	9.05	230	12.40	315	8.20	208	3551090500EO		35	16
		B	9.30	236	12.40	315	8.20	208	3551093000EO		36	16
10	250	A	11.10	282	15.10	384	8.20	208	3551111000EO		46	21
		B	11.40	290	15.10	384	8.20	208	3551114000EO		53	24
12	300	A	13.20	335	17.50	444	8.30	211	3551132000EO		59	27
		B	13.50	343	17.50	444	8.30	211	3551135000EO		60	27
14	350	A	15.30	389	19.80	502	8.30	211	3551153000EO		89	40
		B	15.65	398	20.10	511	8.30	211	3551156500EO		93	42
16	400	A	17.40	442	21.80	555	8.30	211	3551174000EO		94	43
		B	17.80	452	22.30	565	8.30	211	3551178000EO		96	44
20	500	A	21.60	549	26.30	668	8.30	211	3551216000EO		136	62
		B	22.06	560	26.50	673	8.30	211	3551220600EO		138	63

MODEL 3562R REDUCING COUPLING

CENTER BARREL: Carbon Steel per ASTM A53 or ASTM A 283 or Carbon Steel.

GLANDS: Carbon Steel per AISI C1020.

BOLTS & NUTS: Low Alloy Steel per ASTM A325, ASTM A563, and AWWA C111.

GASKET: SBR per ASTM D2000. Suitable for mild acids, water, and salt media with a temperature range of -25° F to -200° F. Optional materials available.



Nominal Pipe Size		Pipe OD Range Large End		List Price #1	Weight #1	
Inches	MM	Inches	MM		lbs	kgs
6	150	5.00-7.49	127-190	\$607.70	32	15
		7.50-8.49	191-216	\$843.90	35	16
8	200	8.50-9.49	216-241	\$950.10	38	17
		9.50-10.49	241-266	\$1,064.00	44	20
10	250	10.50-11.49	267-292	\$1,137.30	47	21
		11.50-12.49	292-317	\$1,245.10	56	25
12	300	12.50-13.49	318-343	\$1,319.00	60	27
12-14	300-350	13.50-14.49	343-368	\$1,402.00	71	32
14	350	14.50-15.49	368-393	\$1,560.90	79	36
14-16	350-400	15.50-16.49	394-419	\$1,640.70	85	39
16	400	16.50-17.49	419-444	\$1,640.70	91	41
16-18	400-450	17.50-18.49	445-470	\$1,785.00	97	44
18	450	18.50-19.49	470-495	\$1,800.00	105	48
18-20	450-500	19.50-20.99	495-533	\$1,853.30	114	52
20	500	21.00-22.99	533-584	\$2,006.30	129	59
24	600	23.00-24.99	584-635	\$2,091.70	142	64
		25.00-26.99	635-686	\$2,272.60	156	71
		27.00-28.99	686-736	\$2,347.40	175	79
30	750	29.00-30.99	737-787	\$2,392.70	189	86
		31.00-32.99	787-838	\$2,655.60	207	94
		33.00-34.99	838-889	\$2,708.70	225	102
36	900	35.00-36.99	889-940	\$2,915.10	258	117
		37.00-38.99	940-990	\$2,944.60	279	127
36-40	900-1020	39.00-40.99	991-1041	\$3,003.40	298	135
42	1100	41.00-42.99	1041-1092	\$3,318.00	336	152
		43.00-44.99	1092-1143	\$3,242.60	359	163
44	1120	45.00-46.99	1143-1194	\$3,440.10	384	174
		47.00-48.99	1194-1244	\$3,502.30	407	185

Nominal Pipe Size		Pipe OD Range Large End		List Price #1	Weight #1	
Inches	MM	Inches	MM		lbs	kgs
3	75	3.50-4.49	89-114	\$365.70	13	6
4	100	4.50-5.49	114-139	\$513.40	16	7
5-6	125-150	5.50-6.49	140-165	\$625.70	20	9
6	150	6.50-7.49	165-190	\$762.60	20	9
		7.50-8.49	191-216	\$869.10	21	10
8	200	8.50-9.49	216-241	\$978.70	23	10
		9.50-10.49	241-266	\$1,093.00	24	11
10	250	10.50-11.49	267-292	\$1,169.40	30	14
		11.50-12.49	292-317	\$1,282.70	31	14
12	300	12.50-13.49	318-343	\$1,358.30	34	15
12-14	300-350	13.50-14.49	343-368	\$1,443.60	40	18
14-16	350-400	15.00-16.99	381-432	\$1,607.70	45	20
		17.00-18.99	432-482	\$1,771.70	54	24
18-20	450-500	19.50-20.99	495-533	\$1,907.60	68	31
20	500	21.00-22.99	533-584	\$2,066.60	70	32
24	600	23.00-24.99	584-635	\$2,154.90	81	37
		25.00-26.99	635-686	\$2,346.10	98	44
		27.00-28.99	686-736	\$2,452.60	101	46
30	750	29.00-30.99	737-787	\$2,525.40	103	47
		31.00-32.99	787-838	\$2,735.30	105	48
		33.00-34.99	838-889	\$2,789.90	116	53
36	900	35.00-36.99	889-940	\$3,002.60	118	54
		37.00-38.99	940-990	\$3,033.10	124	56
36-40	900-1020	39.00-40.99	991-1041	\$3,093.70	130	59
42	1100	41.00-42.99	1041-1092	\$3,285.00	138	63
		43.00-44.99	1092-1143	\$3,339.90	150	68
44	1120	45.00-46.99	1143-1194	\$3,543.70	156	71
		-	-	-	-	-

HOW TO ORDER: The above information is for pricing only. These Pipe OD Ranges show the price and approximate weight for a coupling that would connect a pipe which has an OD within this range. They do not indicate that the coupling will join any pipe within the range. To order a Fabricated Steel reducing coupling, simply specify the model number 3562R and the EXACT outside diameter of the two pipes to be connected. For instance, to order a coupling to connect 16" Ductile Iron to 14" Steel you would specify: 3562R 17.40 X 14.00. **Part Number:** 356217401400-ES for SS bolts & nuts or -EO for alloy bolts & nuts.

MODEL 3562R REDUCING COUPLING

The above Reducing Coupling is used for joining two pipes of different nominal sizes, i.e. 16 inch to 14 inch. To connect two pipes of the same nominal size but with different outside diameters specify the Transition Coupling, model number 3562T and the EXACT outside diameters of the two pipes to be connected. For instance, to connect 16" C905 PVC O.D. 17.40 to 16" Pit Cast Iron, Class 'CD' O.D. 17.80 you would specify 3562T 17.40 X 17.80.

MODEL 3563 EXPANSION JOINTS

BODY: Carbon Steel per ASTM A53 or ASTM A283 or Carbon Steel.

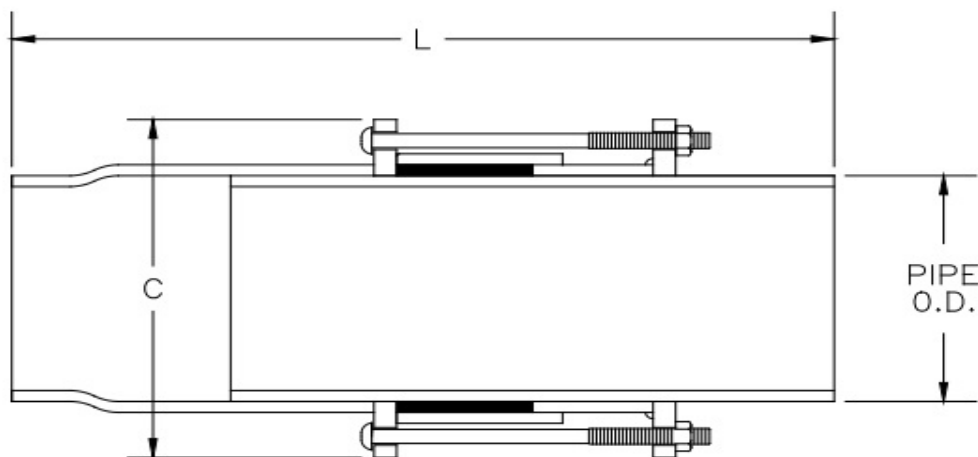
SLIP PIPE: Carbon Steel per ASTM A53 or ASTM A285.

BOLTS & NUTS: Low Alloy Steel per ASTM A307 or ASTM A242.

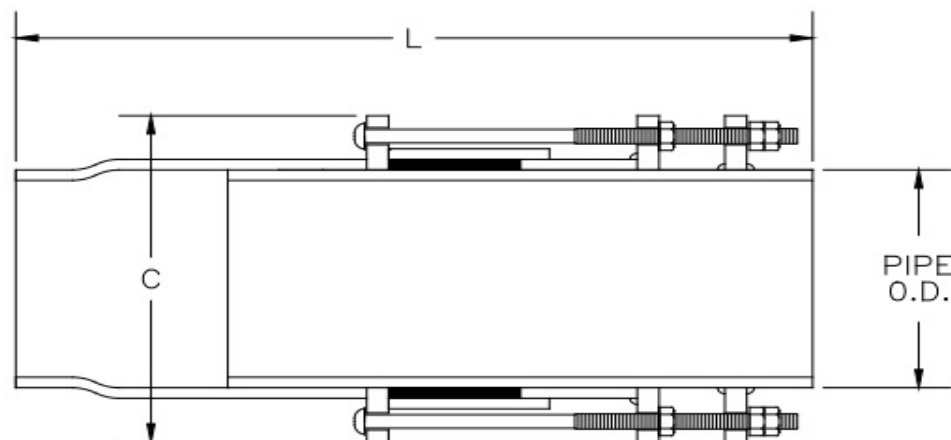
GASKET: SBR per ASTM D2000. Suitable for mild acids, water, and salt media with a temperature range of -25° F to -200° F. Optional materials available.

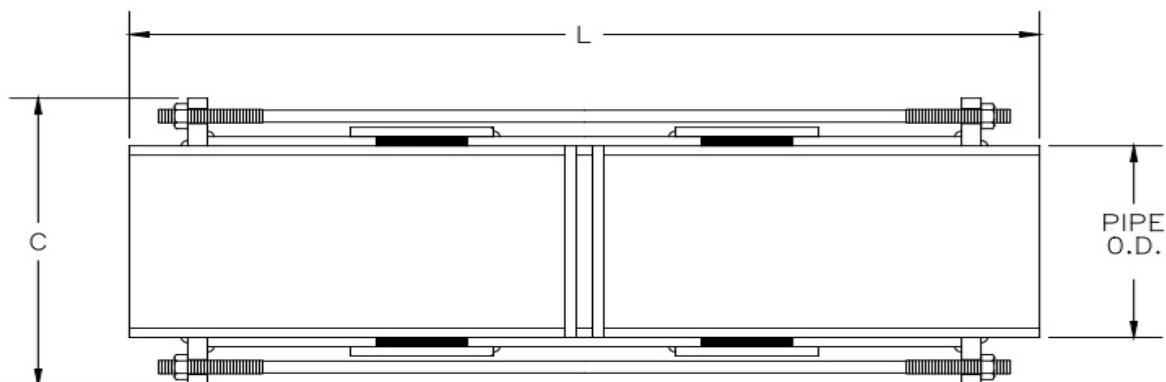
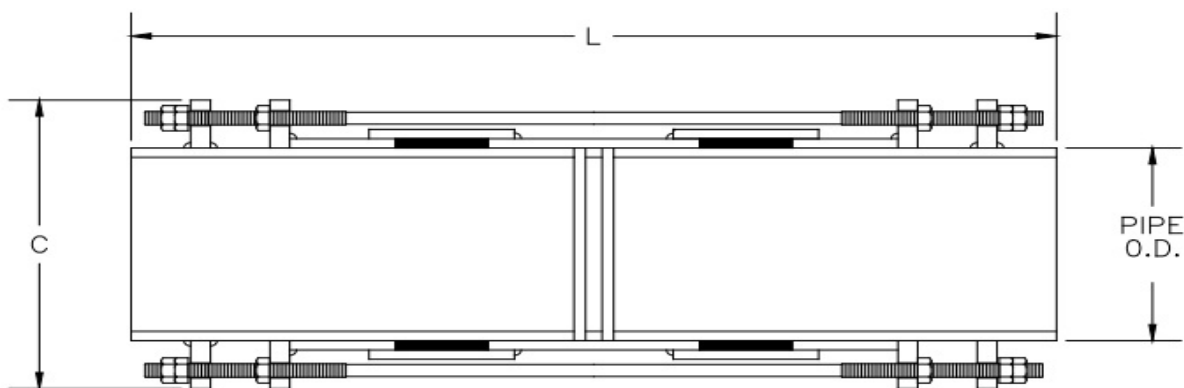
PowerSeal's Expansion Joints allow for pipeline expansion and contraction for water, oil, and chemical piping systems. Four basic configurations, Single End (SE), Single End with Limit Rods (SELR), Double End (DE), and Double End with Limit Rods (DELR), plus various options including flanged ends, high temperature packing, and special coatings offer the engineer a wide variety of custom designed fabrications to choose from.

SINGLE END (SE)



SINGLE END WITH LIMIT RODS (SELR)



MODEL 3563 EXPANSION JOINTS**DOUBLE END (DE)****DOUBLE END WITH LIMIT RODS (DELR)**

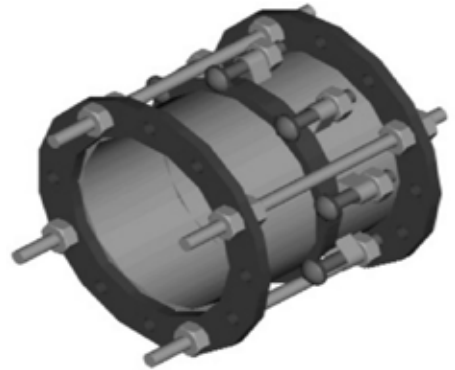
Selecting the proper type of Expansion Joint depends upon service conditions, installation requirements, and other system joints. When possible, a composite description of the application with sketches or working drawings should be submitted to aid our Engineering Department's recommendation.

Inquiries and purchase orders should specify the following:

1. Quantity.
2. Model Number and Type.
3. Pipe OD and Wall Thickness.
4. Service (Water, Oil, Gas, etc.).
5. Maximum Working Pressure.
6. Amount of Movement Required.
7. Operating Temperature.
8. Cycle Frequency.
9. End Configuration (Weld Beveled or Flanged).
10. Any Special Installation Conditions.

MODEL 3563 DISMANTLING JOINT

- Labor/time savings; no need to weld or fabricate components to pipe.
- Cost effective when compared to harnessed mechanical coupling systems.
- Laying lengths are offered in both stock and custom sizes to meet your specific requirements.
- Shorter runs because of self-contained design.
- Longitudinal adjustment feature eliminates pipeline fit up problems.
- Reduces maintenance costs of in-line pipe systems.
- NSF 61 approved fusion bonded epoxy eliminates corrosion.
- Consult with costumer service on this products.





PowerSeal

PIPELINE PRODUCTS CORPORATION



Valves
January 2015

POWER VALVES

PowerSeal Model & letter designation		APCO		CRISPIN		VAL-MATIC		INLET X OUTLET
5401 AIR RELEASE	A	--	--	M3 & M5		15	150 psi	3/4 x 3/8
	B	55	150 psi	M8 & M10		22	150 psi	1/2 x 1/2
	C	65	150 psi	--		25	150 psi	3/4 x 1/2
	D	200A	150 psi	P10	150 psi	38	150 psi	1 x 1/2
	E	200A	150 psi	P10 A	150 psi	38	150 psi	2 x 1/2
	F	200A	300 psi	P10	300 psi	38	300 psi	1 x 1/2
	G	200A	200 psi	P10 A	200 psi	38	200 psi	2 x 1/2
	H	200	150 psi	P20	150 psi	45	150 psi	2 x 1
	I	200	300 psi	P20	300 psi	45	300 psi	2 x 1
	J	200	500 psi	HP20 A&B	500 psi	50	500 psi	2 x 1
	K	205	800 psi	HP20C	800 psi	50HP	800 psi	2 x 1
5402 AIR & VACUUM	A	142 150	or 300 psi	A-10		101 150	or 300 psi	1 x 1
	B	144 150	or 300 psi	A-20		102 150	or 300 psi	2 x 2
	C	146 150	or 300 psi	A-30		103 150	or 300 psi	3 x 3
	D	152 150	or 300 psi	A-41 & A-42		104 150	or 300 psi	4 x 4
	E	153 150	or 300 psi	A-61 & A-62		106 150	or 300 psi	6 x 6
	F	154 150	or 300 psi	A-81 & A-82		108 150	or 300 psi	8 x 8
	G	155 150	or 300 psi	A-101 & A-82		110 150	or 300 psi	10 x 10
	H	156 150	or 300 psi	--		112 150	or 300 psi	12 x 12
5403 COM-BINATION	A	143C	300 psi	U10		201C	300 psi	1 x 1
	B	145C	300 psi	U20		202C	300 psi	2 x 2
	C	147C	300 psi	U30		203C	300 psi	3 x 3
	D	149C	300 psi	U41		204C	300 psi	4 x 4
	E	152/200A	125 FLG	C41		104/38	125 FLG	4 x 4
	F	152/200A	250 FLG	C42		104/38	250 FLG	4 x 4
	G	153/200A	125 FLG	C61		106/38	125 FLG	6 x 6
	H	153/200A	250 FLG	C62		106/38	250 FLG	6 x 6
	I	154/200A	125 FLG	C81		108/38	125 FLG	8 x 8
	J	155/200A	250 FLG	C82		108/38	250 FLG	8 x 8
	K	155/200A	125 FLG	--		110/38	125 FLG	10 x 10
	L	155/200A	250 FLG	--		110/38	250 FLG	10 x 10
	M	156/200A	125 FLG	--		112/38	125 FLG	12 x 12
	N	156/200A	250 FLG	--		112/38	250 FLG	12 x 12
5404 SEWAGE	A	400		S20		48		2 x 1/2
	AF	400WA		S20B		48 BWA		2 x 1/2
	B	400		S30		48		3 x 1/2
	BF	400WA		S30B		48 BWA		3 x 1/2
	C	400		S40		48		4 x 1/2
	CF	400WA		S40B		48 BWA		4 x 1/2
5406 SEWAGE AIR & VACUUM	A	401		--		301		2 x 1
	AF	401WA		--		301 BWA		2 x 1
	B	402		S20A		302		2 x 2
	BF	402WA		S20AB		302 BWA		2 x 2
	C	403		S30A		303		3 x 3
	CF	403WA		S30AB		303 BWA		3 x 3
5407 COM-BINATION SEWAGE	A	400/401		--		48/301		2 x 1
	AF	400/401W		--		48/301 BWA		2 x 1
	B	400/402		S20/20A		48/302		2 x 2
	BF	400/402WA		S20/S20AB		48/302 BWA		2 x 2
	C	400/403		S30/S30A		48/303		3 x 3
	CF	400/403WA		S30/S30AB		48/303 BWA		3 x 3
5408 WELL SERVICE	A	141WD		D5		100 DWS		1/2 x 1/2
	B	142WD		D10		101DWS		1 x 1
	C	144WD		D20		102 DWS		2 x 2
	D	146WD		D30		103 DWS		3 x 3
	E	1604-152		D41 & D42		104 DWS		4 x 4
	F	1606-153		D61 & D62		106 DWS		6 x 6

AIR RELEASE VALVE

Air Release Valves are intended to release pockets of air as they accumulate at high points during system operation.

Air Release Valves open and release accumulated air under pressure through the use of a leverage mechanism. When the float is not longer buoyant, this mechanism produces a greater force to open the valve than the system pressure produces against the valve orifice.

For air release valve sizing, the higher the system pressure, the smaller the orifice diameter must be to allow the valve to open and release accumulated air conversely, for a lower system pressure, a larger orifice diameter must be used.

AIR/VACUUM VALVE

As a line is being filled with water, Air/Vacuum Valves mounted at high points in the system air present in the pipeline. After all the air has been exhausted, water from the pipeline will enter the valve, lift the float and close the valve orifice.

At some time during the system operation, should the internal pressure of the pipe approach a negative value due to column separation, draining of the pipeline, power outage, pipeline break, etc., the float will immediately drop away from the orifice, and allow a flow of air to re-enter the pipeline, which will minimize the potential vacuum and protect the pipeline against collapse or other related damage.

Even though the entire valve may eventually fill with air, the Air/Vacuum Valve will not open, as it is intended to only exhaust air during pipeline fill and to admit air during pipeline drain.

COMBINATION AIR VALVE

As the name implies, this valve combines the operating features of both an Air Release and Air-Vacuum Valve. It is utilized at those high points within a system where it has been determined that the functions of both Air Released and Air/Vacuum Valves are needed to properly vent and protect a pipeline.

MODEL 5401 AIR RELEASE VALVE

BODY: Cast Iron per ASTM A48, Class 35.

COVER: Cast Iron per ASTM A48, Class 35.

FLOAT: Type 304 (18-8) Stainless Steel per ASTM A240.

ORIFICE BUTTON: Viton per ASTM D2000.

LEVER ASSEMBLY: Type 304 (18-8) Stainless Steel per ASTM A240 and A276.



Inlet Size NPT	Letter Code	Maximum Operating Pressure	Part Number	Standard Value	Part Number	Value With Vacuum Check	Weight	
		PSI					lbs.	kgs.
1/2	A	175	5401A0005000	\$150.60	-	N/A	6	3
3/4	A	175	5401A0007500	\$150.60	-	N/A	6	3
1	A	175	5401A0010000	\$164.70	-	N/A	6	3
1/2	B	175	5401B0005000	\$248.60	5401B00050VC	\$293.00	8	4
3/4	B	175	5401B0007500	\$248.60	5401B00075VC	\$293.00	8	4
1	B	175	5401B0010000	\$259.70	5401B00100VC	\$304.40	8	4
1/2	B	300	5401B0005300	\$273.40	5401B00053VC	\$318.10	8	4
3/4	B	300	5401B0007300	\$273.40	5401B00073VC	\$318.10	8	4
1	B	300	5401B0010300	\$273.40	5401B00103VC	\$318.10	8	4
3/4	C	150	5401C0007500	\$373.90	5401C00075VC	\$418.70	12	5
1	C	150	5401C0010000	\$373.90	5401C00100VC	\$418.70	12	5
3/4	C	300	5401C0075300	\$404.60	5401C00753VC	\$449.10	12	5

Inlet Size NPT	Letter Code	Maximum Operating Pressure	Part Number	Standard Value	Part Number	Value With Vacuum Check	Weight	
		PSI					lbs.	kgs.
1	C	300	5401C0010300	\$404.60	5401C00103VC	\$449.86	12	5
1	D	150	5401D0010000	\$443.80	5401D00100VC	\$488.14	24	11
2	E	150	5401E0020000	\$468.70	5401E00200VC	\$513.86	24	11
1	F	300	5401F0010000	\$477.29	5401F00100VC	\$521.86	24	11
2	G	300	5401G0020000	\$505.00	5401G00200VC	\$549.71	24	11
2	H	150	5401H0020000	\$856.40	5401H00200VC	\$928.86	48	22
3	H	150	5401H0030000	\$1,096.40	5401H00300VC	\$1,168.86	53	24
2	I	300	5401I0020000	\$915.10	5401I00200VC	\$987.57	48	22
3	I	300	5401I0030000	\$1,138.10	5401I00300VC	\$1,210.71	53	24
2	J	500	5401J0020000	\$1,785.10	5401J00200VC	\$1,908.00	72	33
2	K	800	5401K0020000	\$2,399.14	5401K00200VC	\$2,521.86	77	35
3/4	C	300	5401C0075300	\$404.60	5401C00753VC	\$449.10	12	5

MODEL 5402 AIR/VACUUM VALVE

BODY: Cast Iron per ASTM A48, Class 35.

COVER: Cast Iron per ASTM A48, Class 35.

FLOAT: Type 304 (18-8) Stainless Steel per ASTM A240.

ORIFICE BUTTON: Nitrile (Buna-N) per ASTM D2000.

LEVER ASSEMBLY: Type 304 (18-8) Stainless Steel per ASTM A240 and A276.



NPT INLET AND OUTLET

Inlet Size NPT	Letter Code	Part Number	150 PSI WP List Price	Part Number	300 PSI WP List Price	Weight	
						lbs.	kgs.
1/2	AA	5402AA005000	\$336.10	5402AA005300	\$395.90	15	7
1	A	5402A0010000	\$411.50	5402A0010300	\$485.40	24	11
2	B	5402B0020000	\$708.00	5402B0020300	\$828.60	50	23
3	C	5402C0030000	\$1,085.60	5402C0030300	\$1,177.30	55	25

FLANGED INLET AND PLAIN HOODED OUTLET

Flanged Inlet Size	Letter Code	Part Number	ANSI Class 125 List Price	Weight	
				lbs.	kgs.
4	D	5402D0040000	\$1,905.60	105	48
6	E	5402E0060000	\$2,817.10	160	73
8	F	5402F0080000	\$4,538.00	208	94
10	G	5402G0100000	\$6,201.70	370	168
12	H	5402H0120000	\$10,903.50	555	252
14	I	5402I0140000	\$14,427.90	670	304
16	J	5402J0160000	\$28,373.10	860	390

Flanged Inlet Size	Letter Code	Part Number	ANSI Class 250 List Price	Weight	
				lbs.	kgs.
4	D	5402D0040250	\$2,200.00	115	52
6	E	5402E0060250	\$3,330.10	176	80
8	F	5402F0080250	\$4,897.50	237	108
10	G	5402G0100250	\$7,308.10	405	184
12	H	5402H0120250	\$12,739.20	601	273
14	I	5402I0140250	\$17,235.20	710	322
16	J	5402J0160250	\$32,033.70	945	429

MODEL 5402 AIR/VACUUM VALVE

FLANGED INLET AND THREADED OR FLANGED HOODED OUTLET*

Flanged Inlet Size	Letter Code	Part Number	NPT Outlet List Price	Weight	
				lbs.	kgs.
4	D	5402D00400NP	\$2,145.30		48
6	E	5402E00600NP	\$3,129.50		73
8	F	N/A	-	-	-
10	G	N/A	-	-	-
12	H	N/A	-	-	-
14	I	N/A	-	-	-
16	J	N/A	-	-	-

Flanged Inlet Size	Letter Code	Part Number	Flanged Outlet List Price	Weight	
				lbs.	kgs.
4	D	5402D004000F	\$2,249.50	105	48
6	E	5402E006000F	\$3,181.60	160	73
8	F	5402F008000F	\$5,272.40	208	94
10	G	5402G010000F	\$6,961.90	370	168
12	H	5402H012000F	\$11,752.10	555	252
14	I	5402I014000F	POA	670	304
16	J	5402J016000F	POA	860	390

*The valves listed have ANSI Class 125 Inlet and Outlet Flanges. Other options are available.

MODEL 5403 COMBINATION VALVE (SINGLE BODY)

BODY: Cast Iron per ASTM A48, Class 35.

COVER: Cast Iron per ASTM A48, Class 35

FLOAT: Type 304 (18-8) Stainless Steel per ASTM A240.

ORIFICE BUTTON: Viton per ASTM D2000.

FULL PORT SEAT: Nitrile (Buna-N) per ASTM D2000.

LEVER ASSEMBLY: Type 304 (18-8) Stainless Steel per ASTM A240 and A276.



SINGLE BODY THREADED INLET AND OUTLET

Inlet Size NPT	Letter Code	Part Number	Stainless Trim List Price	Weight	
				lbs.	kgs.
1	A	5403A0010000	\$658.80	41	19
2	B	5403B0020000	\$986.90	75	34

Inlet Size NPT	Letter Code	Part Number	Stainless Trim List Price	Weight	
				lbs.	kgs.
3	C	5403C0030000	\$1,939.60	112	51
4	D	5403D0040000	\$2,572.30	161	73

SINGLE BODY FLANGED INLET AND OUTLET

Inlet Size NPT	Letter Code	Part Number	ANSI Class 125 List Price	Weight	
				lbs.	kgs.
3	C	5403C0030125	\$2,087.90	126	57
4	D	5403D0040125	\$2,705.20	180	82

Inlet Size NPT	Letter Code	Part Number	ANSI Class 250 List Price	Weight	
				lbs.	kgs.
3	C	5403C0030250	\$2,103.60	132	60
4	D	5403D0040250	\$2,804.30	190	86

SINGLE BODY FLANGED INLET AND PLAIN HOODED OUTLET

Inlet Size NPT	Letter Code	Part Number	ANSI Class 125 List Price	Weight	
				lbs.	kgs.
6	E	5403E0060000	\$4,004.30	225	102
8	F	5403F0080000	\$5,154.90	325	147

Inlet Size NPT	Letter Code	Part Number	ANSI Class 250 List Price	Weight	
				lbs.	kgs.
6	E	5403E0060250	\$4,215.20	241	109
8	F	5403F0080250	\$5,689.20	355	161

MODEL 5403 COMBINATION VALVE

DUAL BODY THREADED INLET AND OUTLET

Inlet Size NPT	Letter Code	Part Number	ANSI Class 125 List Price	Weight	
				lbs.	kgs.
1	A	5403A0010000-D	\$718.50	32	15
2	B	5403B0020000-D	\$1,041.50	58	26
3	C	5403C0030000-D	\$1,314.90	63	29

Inlet Size NPT	Letter Code	Part Number	ANSI Class 250 List Price	Weight	
				lbs.	kgs.
1	A	5403A0010250-D	\$784.00	35	16
2	B	5403B0020250-D	\$1,101.60	65	29
3	C	5403C0030250-D	\$1,447.50	72	33

DUAL BODY WITH FLANGED INLET AND PLAIN HOODED OUTLET

Inlet Size NPT	Letter Code	Part Number	ANSI Class 125 List Price	Weight	
				lbs.	kgs.
4	D	5403D0040000-D	\$2,515.10	133	60
6	E	5403E0060000-D	\$3,363.90	188	85
8	F	5403F0080001-D	\$5,019.70	236	107
8	F	5403F0080002-D	\$5,683.60	260	118
10	G	5403G0100001-D	POA	398	181
10	G	5403G0100002-D		422	191
12	H	5403H0120001-D		590	268
12	H	5403H0120002-D		614	279
14	I	5403I0140001-D		698	317
14	I	5403I0140002-D		722	327
16	J	5403J0160001-D		888	403
16	J	5403J0160002-D		912	414
4	D	5403D0040250-D	\$2,871.70	142	64
6	E	5403E0060250-D	\$4,007.20	205	93
8	F	5403F0082501-D	\$5,464.80	266	121
8	F	5403F0082502-D	\$6,201.70	290	132
10	G	5403G0102501-D	POA	438	199
10	G	5403G0102502-D		462	210
12	H	5403H0122501-D		637	289
12	H	5403H0122502-D		661	300
14	I	5403I0142501-D		738	335
14	I	5403I01425002-D		762	346
16	J	5403J0162501-D		973	441
16	J	5403J0162502-D		997	452

MODEL 5404 AIR RELEASE VALVE

BODY: Cast Iron per ASTM A48, Class 35.

COVER: Cast Iron per ASTM A48, Class 35.

FLOAT: Type 304 (18-8) Stainless Steel per ASTM A240.

ORIFICE BUTTON: Viton per ASTM D2000.

LEVER ASSEMBLY: Type 304 (18-8) Stainless Steel per ASTM A240 and A276.

THREADED INLET AND OUTLET



Inlet Size NPT	Letter Code	Part Number	150 PSI WP List Price	Part Number	75 PSI WP List Price	Weight	
						lbs.	kgs.
2	A	5404A0020000	\$827.90	5404A0020075	\$874.80	42	19
3	B	5404B0030000	\$945.20	5404B0030075	\$1,013.20	47	21
4	C	5404C0040000	\$1,145.50	5404C0040075	\$1,213.20	45	20
2	AS	5404AS020000	\$827.90	5404AS020075	\$874.80	32	15
3	BS	5404BS030000	\$945.20	5404BS030075	\$1,013.20	32	15
4	CS	5404CS040000	\$1,145.50	5404CS040075	\$1,213.20	31	14
2	D	5404D0020000	\$1,130.00	5404D0020075	\$1,202.80	82	37
3	E	5404E0030000	\$1,260.00	5404E0030075	\$1,314.90	81	37
4	F	5404F0400000	\$1,463.20	5404F0400075	\$1,530.70	80	37

AIR RELEASE VALVE WITH BACK WASH ACCESSORIES

Inlet Size NPT	Letter Code	Part Number	150 PSI WP List Price	Part Number	75 PSI WP List Price	Weight	
						lbs.	kgs.
2	A	5404A002000F	\$1,418.90	5404A002075F	\$1,502.40	55	25
3	B	5404B003000F	\$2,072.40	5404B003075F	\$2,192.10	85	39
4	C	5404C004000F	\$3,041.10	5404C004075F	\$3,218.00	102	46
2	AS	5404AS02000F	\$1,405.60	5404AS02075F	\$1,502.40	45	20
3	BS	5404BS03000F	\$2,072.40	5404BS03075F	\$2,192.10	70	32
4	CS	5404CS04000F	\$3,041.10	5404CS04075F	\$3,218.00	88	40
2	D	5404D002000F	\$1,760.00	5404D002075F	\$1,848.40	95	43
3	E	5404E003000F	\$2,424.00	5404E003075F	\$2,468.10	119	54
4	F	5404F040000F	\$3,271.70	5404F040075F	\$3,384.70	138	63

MODEL 5406 AIR/VACUUM VALVE**BODY:** Cast Iron per ASTM A48, Class 35.**COVER:** Cast Iron per ASTM A48, Class 35.**FLOAT:** Type 304 (18-8) Stainless Steel per ASTM A240.**FULL PORT SEAT:** Nitrile (Buna-N) per ASTM D2000.**LEVER ASSEMBLY:** Type 304 (18-8) Stainless Steel per ASTM A240 and A276.**THREADED INLET AND OUTLET**

Valve Size NPT	Letter Code	Part Number	Standard Valve List Price	Weight	
				lbs.	kgs.
2 x 1	A	5406A002000T	\$851.50	44	20
2 x 1	AS	5406AS02000T	\$851.50	40	18
2 x 2	B	5406B002000T	\$1,707.90	83	38
2 x 2	BS	5406BS02000T	\$1,707.90	78	35
3 x 3	C	5406C003000T	\$2,030.90	82	37
4 x 4	D	5406D004000T	\$3,049.10	165	75
6 x 6	E	5406E006000T	\$4,941.60	235	107
8 x 8	F	5406F008000T	POA	320	145

Valve Size NPT	Letter Code	Part Number	Valve with Back Wash Acces- sories List Price	Weight	
				lbs.	kgs.
2 x 1	A	5406A02000BW	\$1,445.20	56	25
2 x 1	AS	5406AS0200BW	\$1,445.20	52	24
2 x 2	B	5406B02000BW	\$2,304.40	95	43
2 x 2	BS	5406BS0200BW	\$2,304.40	90	41
3 x 3	C	5406C03000BW	\$3,150.10	119	54
4 x 4	D	5406D04000BW	\$4,577.10	233	106
6 x 6	E	5406E06000BW	\$6,753.50	351	159
8 x 8	F	5406F00800BW	POA	540	245

FLANGED INLET AND THREADED OUTLET

Valve Size NPT	Letter Code	Part Number	Standard Valve List Price	Weight	
				lbs.	kgs.
4 x 4	D	5406D04000F	\$3,049.10	165	75
6 x 6	E	5406E06000F	\$4,941.60	235	107
8 x 8	F	5406E08000F	POA	320	145

Valve Size NPT	Letter Code	Part Number	Valve with Back Wash Acces- sories List Price	Weight	
				lbs.	kgs.
4 x 4	D	5406D040FBW	\$4,577.10	233	106
6 x 6	E	5406E060FBW	\$6,753.50	351	159
8 x 8	F	5406E080FBW	POA	540	245

MODEL 5407 COMBINATION VALVE

BODY: Cast Iron per ASTM A48, Class 35.

COVER: Cast Iron per ASTM A48, Class 35.

FLOAT: Type 304 (18-8) Stainless Steel per ASTM A240.

ORIFICE BUTTON: Viton per ASTM D2000.

FULL PORT SEAT: Nitrile (Buna-N) per ASTM D2000.

LEVER ASSEMBLY: Type 304 (18-8) Stainless Steel per ASTM A240 and A276.



SINGLE BODY THREADED INLET AND OUTLET

Valve Size NPT	Letter Code	Part Number	Standard Valve List Price	Weight	
				lbs.	kgs.
2 x 1	A	5407A002000S	\$1,567.30	50	23
2 x 1	AL	5407AL00200S	\$1,903.30	80	36
2 x 2	B	5407B002000S	\$2,333.10	85	39
3 x 3	C	5407C003000S	\$2,999.30	160	73
4 x 4	D	5407D004000S	\$3,702.00	175	79

Valve Size NPT	Letter Code	Part Number	Standard Valve List Price	Weight	
				lbs.	kgs.
2 x 1	A	5407A0020001	\$2,119.30	72	33
2 x 1	AL	5407AL002001	\$2,439.30	104	47
2 x 2	B	5407B0020002	\$2,707.60	109	49
3 x 3	C	5407C0030003	\$3,895.20	190	86
4 x 4	D	5407D0040004	\$4,847.70	305	138

THREADED INLET AND OUTLET

Valve Size NPT	Letter Code	Part Number	Standard Valve List Price	Weight	
				lbs.	kgs.
2 x 1	A	5407A002000T	\$2,072.50	95	23
2 x 1	AS	5407AS02000T	\$2,072.50	81	36
2 x 2	B	5407B020000T	\$2,931.50	134	39
2 x 2	BS	5407BS02000T	\$2,931.50	119	73
2 x 2	BB	5407BB02000T	\$3,233.70	174	79
3 x 3	C	5407C003000T	\$3,543.60	151	68
3 x 3	CC	5407CC0300T	\$3,848.00	185	84

Valve Size NPT	Letter Code	Part Number	Standard Valve List Price	Weight	
				lbs.	kgs.
2 x 1	A	5407A0020001	\$3,087.70	122	55
2 x 1	AS	5407AS020001	\$3,087.70	108	49
2 x 2	B	5407B0200002	\$3,678.80	161	73
2 x 2	BS	5407BS020002	\$3,678.80	146	66
2 x 2	BB	5407BB020002	\$3,983.60	201	91
3 x 3	C	5407C0030003	\$5,282.70	226	103
3 x 3	CC	5407CC030003	\$5,581.60	261	118

FLANGED INLET AND OUTLET

Valve Size NPT	Letter Code	Part Number	Standard Valve List Price	Weight	
				lbs.	kgs.
4 x 4	D	5407D040000F	\$4,561.50	205	93
4 x 4	DD	5407DD40000F	\$4,860.80	245	111
6 x 6	E	5407E060000F	\$6,167.90	282	128
6 x 6	EF	5407EF60000F	\$6,470.00	322	146
8 x 8	F	5407F080000F	POA	380	172
8 x 8	FF	5407FF080000F	POA	414	188

Valve Size NPT	Letter Code	Part Number	Standard Valve List Price	Weight	
				lbs.	kgs.
4 x 4	D	5407D0400004	\$6,558.40	287	130
4 x 4	DD	5407DD400004	\$6,857.70	327	148
6 x 6	E	5407E0600006	\$7,860.00	411	186
6 x 6	EF	5407EF600006	\$8,466.80	451	205
8 x 8	F	5407F0800008	POA	610	277
8 x 8	FF	5407FF0800008	POA	646	293

MODEL 5408 WELL SERVICE AIR/VACUUM VALVE**BODY:** Cast Iron per ASTM A48, Class 35.**COVER:** Cast Iron per ASTM A48, Class 35.**FLOAT:** Type 304 (18-8) Stainless Steel per ASTM A240.**FULL PORT SEAT:** Nitrile (Buna-N) per ASTM D2000.**Optional Throttling Device****THREADED INLET AND OUTLET**

Inlet Size NPT	Letter Code	Part Number	150 PSI WP List Price	Part Number	300 PSI WP List Price	Weight	
						lbs.	kgs.
1/2	A	5408A0050000	\$487.70	5408A0050300	\$484.40	16	7
1	B	5408B0100000	\$499.90	5408B0100300	\$546.80	25	11

Inlet Size NPT	Letter Code	Part Number	150 PSI WP List Price	Part Number	300 PSI WP List Price	Weight	
						lbs.	kgs.
2	C	5408C020000	\$773.30	5408C020300	\$838.30	50	23
3	D	5408D030000	\$1,104.00	5408D030300	\$1,205.60	56	25

125# FLANGED INLET AND THREADED OUTLET

Inlet Size NPT	Letter Code	Part Number	Stainless Trim List Price	Part Number	Bronze Trim List Price	Weight	
						lbs.	kgs.
4	E	5408E0600125	\$3,678.80	5408E0600125-S	\$3,184.40	159	72
6	F	5408F0600125	\$5,774.40	5408F0600125-S	\$4,873.70	248	112
8	G	5408G0800125	\$9,260.90	5408G0800125-S	\$7,882.90	355	161

Inlet Size NPT	Letter Code	Part Number	Stainless Trim List Price	Part Number	Bronze Trim List Price	Weight	
						lbs.	kgs.
10	H	5408H100125	\$13,077.50	5408H100125-S	\$10,554.50	605	274
12	I	5408I0120125	\$21,044.30	5408I01200125-S	\$17,151.20	925	420

250# FLANGED INLET AND THREADED OUTLET

Inlet Size NPT	Letter Code	Part Number	Stainless Trim List Price	Part Number	Bronze Trim List Price	Weight	
						lbs.	kgs.
4	E	5408E0400250	\$4,194.50	5408E0400250-S	\$3,751.70	174	79
6	F	5408F0600250	\$6,670.30	5408F0600250-S	\$5,810.90	279	127
8	G	5408G0800250	\$10,604.30	5408G0800250-S	\$9,203.50	455	206

MODEL 5408 WELL SERVICE AIR/VACUUM VALVE

250# FLANGED INLET AND THREADED OUTLET

Inlet Size NPT	Letter Code	Part Number	Stainless Trim List Price	Part Number	Bronze Trim List Price	Weight	
						lbs.	kgs.
10	H	5408H100250	\$15,571.70	5408H100250-S	\$13,077.50	690	313
12	I	5408I1200250	\$24,600.70	5408I0120250-S	\$20,911.50	1075	488

OPTIONAL THROTTLING DEVICE

Valve Size	Letter Code	Part Number	List Price	Weight	
				lbs.	kgs.
1/2	A	5408A005000-T	\$98.80	1	0,5
1	B	5408B010000-T	\$117.10	2	1
2	C	5408C020000-T	\$132.70	5	2

Valve Size	Letter Code	Part Number	List Price	Weight	
				lbs.	kgs.
3	A	5408A030000-V	\$4,111.50	12	5
4	B	5408B040000-V	\$461.20	21	10
6	C	5408C060000-V	\$580,80	47	21

NOTE 250#: Flanged valves are furnished with Anti-Slam Device and valve sizes 8" and larger have flanged outlets.

MODEL 5390 GLOBE STYLE METAL SEAT SILENT CHECK VALVES

BODY: Cast Iron per ASTM A126, Class B.

SEAT: Bronze per ASTM B584, CDA-836.

PLUG: Bronze per ASTM B584, CDA-836.

SPRING: Type 304 (18-8) Stainless Steel per ASTM A313.

BUSHING: Bronze per ASTM B584, CDA-932.

RETAINING SCREW: Type 304 (18-8) Stainless Steel per ASTM A276.



125# FLANGED VALVE

Flanged Inlet Size	Letter Code	Part Number	Stainless Trim List Price	Part Number	Bronze Trim List Price	Weight	
						lbs.	kgs.
2 1/2	A	5390A02500Z0	\$806.10	5390A02500Z1	\$489.60	24	11
3	B	5390B03000Z0	\$851.50	5390B03000Z1	\$541.60	28	13
4	C	5390C04000Z0	\$1,127.50	5390C04000Z1	\$697.70	43	20
5	D	5390D05000Z0	\$1,640.30	5390D05000Z1	\$952.90	55	25
6	E	5390E06000Z0	\$1,991.70	5390E06000Z1	\$1,148.50	71	32
8	F	5390F08000Z0	\$3,264.80	5390F08000Z1	\$1,786.00	123	56
10	G	5390G01000Z0	\$5,230.70	5390G01000Z1	\$2,640.00	183	83
12	H	5390H02000Z0	\$7,758.10	5390H01200Z1	\$4,152.80	306	139

MODEL 5390 GLOBE STYLE METAL SEAT

Flanged Inlet Size	Letter Code	Part Number	Stainless Trim List Price	Part Number	Bronze Trim List Price	Weight	
						lbs.	kgs.
14	I	5390A01400Z0	\$10,025.20	5390A01400Z1	\$5,816.40	380	172
16	J	5390B01600Z0	\$12,726.00	5390B01600Z1	\$8,042.30	501	227
18	K	5390C01800Z0	\$18,989.90	5390C01800Z1	\$12,950.00	724	328
20	L	5390D02000Z0	\$22,689.90	5390D02000Z1	\$15,798.10	890	404
24	M	5390E02400Z0	\$30,036.70	5390E02400Z1	\$21,445.20	1220	553
30	N	5390F03000Z0	POA	5390F03000Z1	POA	2013	913
36	O	5390G03600Z0	POA	5390G03600Z1	POA	4292	1947
42	P	5390H04200Z0	POA	5390H04200Z1	POA	7115	3227

250# FLANGED VALVE

Flanged Inlet Size	Letter Code	Part Number	Stainless Trim List Price	Part Number	Bronze Trim List Price	Weight	
						lbs.	kgs.
2 1/2	A	5390A02500Z2	\$1,060.00	5390A02500Z3	\$700.50	30	14
3	B	5390B03000Z2	\$1,215.90	5390B03000Z3	\$749.90	36	16
4	C	5390C04000Z2	\$1,429.60	5390C04000Z3	\$992.10	59	27
5	D	5390D05000Z2	\$2,215.70	5390D05000Z3	\$1,226.40	78	35
6	E	5390E06000Z2	\$2,785.70	5390E06000Z3	\$1,622.30	103	47
8	F	5390F08000Z2	\$4,462.50	5390F08000Z3	\$2,757.30	179	81
10	G	5390G01000Z2	\$6,439.30	5390G01000Z3	\$3,957.50	253	115
12	H	5390H12000Z2	\$9,974.40	5390H12000Z3	\$6,227.60	401	182

Flanged Inlet Size	Letter Code	Part Number	Stainless Trim List Price	Part Number	Bronze Trim List Price	Weight	
						lbs.	kgs.
14	I	5390A01400Z2	\$13,069.90	5390A01400Z3	\$8,401.60	511	232
16	J	5390B01600Z2	\$16,912.50	5390B01600Z3	\$11,825.30	697	316
18	K	5390C01800Z2	\$22,640.30	5390C01800Z3	\$16,389.20	959	435
20	L	5390D02000Z2	\$27,308.30	5390D02000Z3	\$19,422.40	1180	535
24	M	5390E02400Z2	\$36,886.70	5390E02400Z3	\$25,683.90	1680	762
30	N	5390F03000Z2	POA	5390F03000Z3	POA	2463	1117
36	O	5390G03600Z2	POA	5390G03600Z3	POA	4970	2254
42	P	5390H04200Z2	POA	5390H04200Z3	POA	8336	3781

MODEL 5396 THREADED STYLE BRONZE BODY * SILENT CHECK

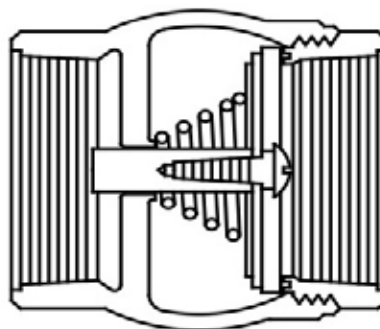
BODY: Bronze per ASTM B584, CDA-844.

DISC & SEAT: Teflon.

STEM: Type 303 Stainless Steel per ASTM A582.

SPRING: Type 316 Stainless Steel.

SEAT SCREW: Type 430 Stainless Steel per ASTM A276.



200 PSI MAXIMUM PRESSURE

Valve Size NPT	Letter Code	Part Number	List Price	Weight	
				lbs.	kgs.
1/2	A	5396A00500Z1	\$44.50	0.8	0.3
3/4	B	5396B07500Z1	\$54.80	1.0	1.0
1	C	5396C01000Z1	\$70.40	1.5	1.5

Valve Size NPT	Letter Code	Part Number	List Price	Weight	
				lbs.	kgs.
1 1/4	D	5396D01250Z1	\$86.00	2.0	0.9
1 1/2	E	5396E01500Z1	\$114.70	2.5	1.1
2	F	5396F02000Z1	\$164.30	4.0	1.8

* Model 5396 with Resilient Seat (Buna-N) available, Priced On Application.

NOTE: Small diameter Bronze Body Threaded End Check Valves are available in sizes 1/2" through 2" for 200 psi service, POA.

MODEL 5397 WAFER STYLE METAL SEAT

BODY: Cast Iron per ASTM A126, Class B.

SEAT: Bronze per ASTM B584, CDA-836.

PLUG: Bronze per ASTM B584, CDA-836.

SPRING: Type 304 (18-8) Stainless Steel per ASTM A313.

BUSHING: Bronze per ASTM B584, CDA-932.

RETAINING SCREWS: Type 304 (18-8) Stainless Steel per ASTM A276.



125# FLANGED VALVE

Flanged Inlet Size	Letter Code	Part Number	Stainless Trim List Price	Part Number	Bronze Trim List Price	Weight	
						lbs.	kgs.
2	A	5397A0020000	\$445.30	5397A00200Z1	\$234.40	6	11
2 1/2	B	5397B0025000	\$515.50	5397B00250Z1	\$268.30	7	13
3	C	5397C0030000	\$622.40	5397C00300Z1	\$281.10	11	20
4	D	5397D0040000	\$854.10	5397D00400Z1	\$374.90	18	25

MODEL 5397 WAFER STYLE METAL SEAT

Flanged Inlet Size	Letter Code	Part Number	Stainless Trim List Price	Part Number	Bronze Trim List Price	Weight	
						lbs.	kgs.
5	E	5397E0050000	\$1,135.20	5397E00500Z1	\$554.80	29	172
6	F	5397F0060000	\$1,353.70	5397F00600Z1	\$664.30	41	227
8	G	5397G0080000	\$2,353.70	5397G00800Z1	\$1,205.60	80	328
10	H	5397H0100000	\$3,658.00	5397H01000Z1	\$1,882.50	129	404

250# FLANGED VALVE

Flanged Inlet Size	Letter Code	Part Number	Stainless Trim List Price	Part Number	Bronze Trim List Price	Weight	
						lbs.	kgs.
8	G	5397G0080250	\$2,705.20	5397G0080250-S	\$1,520.40	86	39

Flanged Inlet Size	Letter Code	Part Number	Stainless Trim List Price	Part Number	Bronze Trim List Price	Weight	
						lbs.	kgs.
10	H	5397H0100250	\$4,074.50	5397H0100250-S	\$2,149.50	137	62

NOTE: Sizes 2"-6" are combination valves suitable for both 125# and 250# applications.

MODEL 5398 FOOT VALVE

BODY: Cast Iron per ASTM A126, Class B.

SEAT: Bronze per ASTM B584, CDA-836 and Buna-N Rubber.

PLUG: Bronze per ASTM B584, CDA-836.

SCREEN: Type 304 (18-8) Stainless Steel per ASTM A240.

BUSHING: Bronze per ASTM B584, CDA-932.

**125# FLANGED VALVE**

Flange Size	Letter Code	Part Number	List Price	Weight	
				lbs.	kgs.
2	A	5398A0020000	\$1,164.10	33	15
2 1/2	B	5398B0025000	\$1,164.10	33	15
3	C	5398C0030000	\$1,169.10	37	17
4	D	5398D0040000	\$1,393.10	57	26
5	E	5398E0050000	\$1,877.10	70	32
6	F	5398F0060000	\$2,108.90	90	41
8	G	5398G0080000	\$3,072.10	153	69
10	H	5398H0100000	\$4,267.30	226	103
12	I	5398I0120000	\$5,975.20	370	168

Flange Size	Letter Code	Part Number	List Price	Weight	
				lbs.	kgs.
14	J	5398J0140000	\$9,706.00	465	211
16	K	5398K0160000	\$11,302.00	594	269
18	L	5398L0180000	\$16,407.20	844	383
20	M	5398M0200000	\$22,028.70	1045	474
24	N	5398N0240000	\$23,754.50	1430	649
30	O	5398O3000000	POA	2220	1007
36	P	5398P0360000	POA	4615	2093
42	Q	5398Q0420000	POA	7495	3400

MODEL 5981 SPLIT DISC BUTTERFLY CHECK VALVE

BODY: Cast Iron per ASTM A126, Class B.

DISC: Bronze per ASTM B584, CDA-836, or Aluminum Bronze per ASTM B148, CDA-952, or Ductile Iron per ASTM A536 (65-45-12).

SEAL: Buna-N (NBR) per ASTM D2000-BG.

TRIM: Type 316 Stainless Steel per ASTM A276.

SPRING: Type 316, or 17-7 PH Stainless Steel per ASTM A313.



Flange Size	Letter Code	Part Number	List Price	Weight	
				lbs.	kgs.
2	A	5981A0020000	\$260.40	5	2
2 1/2	B	5981B0250000	\$302.10	7	3
3	C	5981C0030000	\$322.80	9	4
4	D	5981D0040000	\$416.70	13	6
5	E	5981E0050000	\$635.30	19	9

Flange Size	Letter Code	Part Number	List Price	Weight	
				lbs.	kgs.
6	F	5981F0060000	\$635.30	26	12
8	G	5981G0080000	\$976.40	49	22
10	H	5981H0100000	POA	85	39
12	I	5981I01200000	POA	141	64
-	-		-	-	-

Flange Size	Letter Code	Part Number	List Price	Weight	
				lbs.	kgs.
2	A	5981A002000A	\$349.10	5	2
2 1/2	B	5981B025000A	\$382.90	7	3
3	C	5981C003000A	\$406.30	9	4
4	D	5981D004000A	\$526.70	13	6
5	E	5981E005000A	\$755.10	19	9
6	F	5981F006000A	\$768.10	26	12
8	G	5981G008000A	\$1,192.50	49	22
10	H	5981H010000A	\$1,689.90	85	39
12	I	5981I012000A	\$2,280.90	141	64
14	J	5981J014000A	\$4,873.70	187	85

Flange Size	Letter Code	Part Number	List Price	Weight	
				lbs.	kgs.
16	K	5981K016000A	\$6,852.50	270	122
18	L	5981L018000A	\$9,070.70	330	150
20	M	5981M020000A	\$10,281.50	424	192
24	N	5981N024000A	\$13,353.30	589	267
30	O	5981O030000A	\$25,194.40	1112	504
36	P	5981P036000A	\$39,008.30	1864	846
42	Q	5981Q042000A	POA	2889	1310
48	R	5981R048000A	POA	5405	2452
54	S	5981S054000A	POA	7592	3444
60	T	5981T060000A	POA	9778	4435

Flange Size	Letter Code	Part Number	List Price	Weight	
				lbs.	kgs.
10	A	5981A010000D	\$1,760.00	85	39
12	B	5981B012000D	\$2,476.00	141	64
14	C	5981C014000D	\$4,623.70	187	85
16	D	5981D016000D	\$6,456.50	270	122
18	E	5981E018000D	\$8,575.90	330	150
20	F	5981F020000D	\$9,726.70	424	192
24	G	5981G024000D	\$12,712.90	589	267

Flange Size	Letter Code	Part Number	List Price	Weight	
				lbs.	kgs.
30	H	5981H030000D	\$22,898.00	1112	504
36	I	5981I036000D	\$35,652.50	1864	846
42	J	5981J042000D	POA	2889	1310
48	K	5981K048000D	POA	5405	2452
54	L	5981L054000D	POA	7592	3444
60	M	5981M060000D	POA	9778	4435
-	-		-	-	-

MODEL 5982 SPLIT DISC BUTTERFLY CHECK VALVE - THREADED LUG

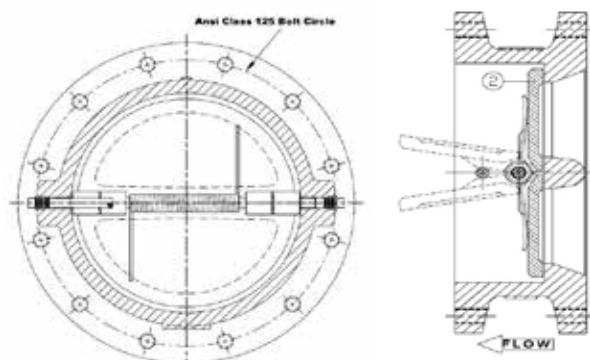
BODY: Cast Iron per ASTM A126, Class B.

DISC: Aluminum Bronze per ASTM B148, CDA-952.

SEAL: Buna-N (NBR) per ASTM D2000-BG.

TRIM: Type 316 Stainless Steel per ASTM A276.

SPRING: Type 316, or 17-7 PH Stainless Steel per ASTM A313.



CAST IRON BODY ALUMINUM BRONZE DISC 125#

Flange Size	Letter Code	Part Number	List Price	Weight	
				lbs.	kgs.
3	A	5982A0030000	\$1,348.50	19	9
4	B	5982B0040000	\$1,445.20	27	12
6	C	5982C0060000	\$1,660.90	45	20
8	D	5982D0080000	\$2,490.70	75	34
10	E	5982E0100000	\$2,960.30	105	48
12	F	5982F0120000	\$4,548.50	210	95
14	G	5982G0140000	\$7,675.20	305	138
16	H	5982H0160000	\$10,401.20	415	188
18	I	5982I0180000	\$14,632.00	550	249

Flange Size	Letter Code	Part Number	List Price	Weight	
				lbs.	kgs.
20	J	5982J02000000	\$15,764.70	675	306
24	K	5982K0240000	\$19,630.50	750	340
30	L	5982L0300000	\$34,059.20	1525	692
36	M	5982M0360000	\$53,814.50	2830	1284
42	N	5982N0420000	POA	3865	1753
48	O	5982O0480000	POA	5405	2452
54	Q	5982Q0540000	POA	7815	3545
60	R	5982R0600000	POA	9778	4435
-	-		-	-	-

CAST IRON BODY ALUMINUM BRONZE DISC 250#

Flange Size	Letter Code	Part Number	List Price	Weight	
				lbs.	kgs.
3	A	5982A0030250	\$737.10	11	5
4	B	5982B0040250	\$919.50	16	7
6	C	5982C0060250	\$1,270.80	35	16
8	D	5982D0080250	\$1,843.20	65	29

Flange Size	Letter Code	Part Number	List Price	Weight	
				lbs.	kgs.
10	E	5982E0100250	\$2,684.50	100	45
12	F	5982F0120250	\$4,446.90	167	76
14	G	5982G0140250	\$6,745.60	265	120
16	H	5982H0160250	\$7,742.90	359	163



PowerSeal

PIPELINE PRODUCTS CORPORATION



HDPE
January 2015

HDPE TECHNICAL INFORMATION

The following standard PowerSeal products have been evaluated and approved for use with high density polyethylene pipe based upon certain modifications and restrictions related to the unique properties of HDPE pipe compared with more commonly used rigid pipe materials.



Products shown in the HDPE section are the only products suitable for HDPE applications. Do not use products in other sections on HDPE pipe.

PRODUCT RESTRICTIONS WHEN USED WITH HDPE

- Maximum operating pressure: 150 PSI (150 Mpa)
- Temperatures ranges: 32° - 75°F (0° - 23.9° C)
- Manufacturing standard: AWWA/ANSI C906-90
- Underground service only
- Pipe Stiffeners must be placed in each pipe end when used on mechanical bolt on fittings
- Clamp and sleeve width must exceed pipe diameter
- Pipe SDR (wall thickness) no more than 17 (PN-10)
- Each bolt must have four spring washers

KEY PROPERTIES INHERENT WITH HDPE

- Toe in happens when HDPE is cut which can alter the ability of any sleeve or saddle to seal and affect the installation of stiffeners.
- The coefficient of thermal expansion is over 10 times that of ductile and steel pipe and 3 times as much as PVC. This equates to the possibility of shrinkage at these same levels versus these types of pipes when it gets cold. This raises the chances of a fitting loosening on it. It also has a tendency to shrink lengthwise 1 inch (25.4mm) per 100 feet (30.48m) of pipe with a 10°F (5.5° C) reduction temperature. This results in the pipe pulling out of fittings.
- A low coefficient of friction makes the exterior surface of the pipe very smooth or slick which results in gasket fittings being prone to rotation or movement on the pipe.
- Pipe systems must be engineered to allow for pipe movements so to limit fittings movement.

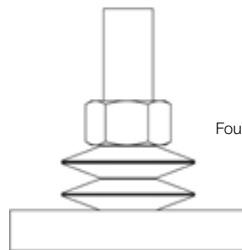
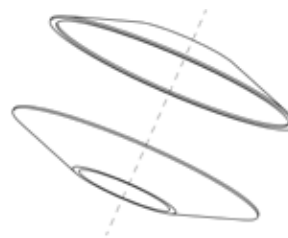


All bolts will be supplied with four spring washer.

SPRING WASHERS

NOTICE!!

PowerSeal does not warrant products used when the installation does not conform to any of the restrictions listed above. Contact our engineering department if you have questions about using our products on HDPE.



Four Spring washers

3121AS-PE ALL STAINLESS SINGLE PANEL

PANEL & LIFTER BAR: Type 304 (18-8) Stainless Steel per ASTM A240.

GASKET: SBR Chek-O-Seal with multi o-ring sealing ribs from 100% new rubber to ensure performance under varying pressures with superior storage characteristics. Suitable for mild acids, water and salt media with a temperature range of -25°F to +200°F per ASTM D2000. Other materials available.

ARMOR PLATE: TType 304 (18-8) Stainless Steel per ASTM A240, recessed and bonded to the gasket.

BOLTS & NUTS: ype 304 (18-8) Stainless Steel per ASTM A193 and A194.

NOTE: Hex nuts are furnished with fusion bonded coating to prevent seizing and/or galling.

WASHERS: Stainless Steel per ASTM A240, type 304. Special spring type.

LUGS: Type 304 (18-8) Stainless Steel per ASTM A240.



Nominal Pipe Size		Pipe OD Range		Width		Catalog Number	List Price
Inches	MM	Inches	MM	Inches	MM		
2	50.00	2.35 - 2.63	60 - 67	8	200	3121020080CA-PE	\$ 163.10
				10	250	3121020100CA-PE	\$ 227.10
				12	300	3121020120CA-PE	\$ 271.50
				16	400	3121020160CA-PE	\$ 292.40
				20	500	3121020200CA-PE	\$ 330.00
				24	600	3121020240CA-PE	\$ 404.40
				30	750	3121020300CA-PE	\$ 536.40
2.5	63	2.70 - 3.00	69 - 77	8	200	3121025080CA-PE	\$ 169.60
				10	250	3121025100CA-PE	\$ 235.40
				12	300	3121025120CA-PE	\$ 277.90
				16	400	3121025160CA-PE	\$ 301.00
				20	500	3121025200CA-PE	\$ 364.50
				24	600	3121025240CA-PE	\$ 412.50
				30	750	3121025300CA-PE	\$ 544.50
3B	75	3.46 - 3.70	88 - 94	8	200	312103B080CA-PE	\$ 178.00
				10	250	312103B100CA-PE	\$ 246.00
				12	300	312103B120CA-PE	\$ 288.40
				16	400	312103B160CA-PE	\$ 325.60
				20	500	312103B200CA-PE	\$ 417.60
				24	600	312103B240CA-PE	\$ 709.50
				30	750	312103B300CA-PE	\$ 866.40
3C	75	3.73 - 4.00	95 - 102	8	200	312103C080CA-PE	\$ 178.00
				10	250	312103C100CA-PE	\$ 246.00
				12	300	312103C120CA-PE	\$ 288.40
				16	400	312103C160CA-PE	\$ 325.60
				20	500	312103C200CA-PE	\$ 417.60
				24	600	312103C240CA-PE	\$ 709.50
				30	750	312103C300CA-PE	\$ 866.40

3121AS-PE ALL STAINLESS SINGLE PANEL

Nominal Pipe Size		Pipe OD Range		Width		Catalog Number	List Price
Inches	MM	Inches	MM	Inches	MM		
4A	100	4.45 - 4.73	112 - 120	8	200	312104A080CA-PE	\$ 200.90
				10	250	312104A100CA-PE	\$ 273.62
				12	300	312104A120CA-PE	\$ 319.00
				16	400	312104A160CA-PE	\$ 354.80
				20	500	312104A200CA-PE	\$ 538.00
				24	600	312104A240CA-PE	\$ 721.60
				30	750	312104A300CA-PE	\$ 880.40
4B	100	4.74 - 5.14	119 - 131	8	200	312104B080CA-PE	\$ 200.90
				10	250	312104B100CA-PE	\$ 273.60
				12	300	312104B120CA-PE	\$ 319.00
				16	400	312104B160CA-PE	\$ 354.80
				20	500	312104B200CA-PE	\$ 538.00
				24	600	312104B240CA-PE	\$ 721.60
				30	750	312104B300CA-PE	\$ 880.40
6B	150	6.56 - 6.96	167 - 177	8	200	312106B080CA-PE	\$ 240.40
				10	250	312106B100CA-PE	\$ 325.60
				12	300	312106B120CA-PE	\$ 383.90
				16	400	312106B160CA-PE	\$ 423.10
				20	500	312106B200CA-PE	\$ 638.50
				24	600	312106B240CA-PE	\$ 803.40
				30	750	312106B300CA-PE	\$ 1,046.00
6C	150	6.84 - 7.24	174 - 184	8	200	312106C080CA-PE	\$ 240.40
				10	250	312106C100CA-PE	\$ 325.60
				12	300	312106C120CA-PE	\$ 383.90
				16	400	312106C160CA-PE	\$ 423.10
				20	500	312106C200CA-PE	\$ 638.50
				24	600	312106C240CA-PE	\$ 803.40
				30	750	312106C300CA-PE	\$ 1,046.00
8B	200	8.54 - 8.94	217 - 227	8	200	312108B080CA-PE	\$ 281.60
				10	250	312108B100CA-PE	\$ 373.00
				12	300	312108B120CA-PE	\$ 452.00
				16	400	312108B160CA-PE	\$ 516.50
				20	500	312108B200CA-PE	\$ 731.60
				24	600	312108B240CA-PE	\$ 911.00
				30	750	312108B300CA-PE	\$ 1,201.00
8C	200	8.99 - 9.39	228 - 239	8	200	312108C080CA-PE	\$ 281.60
				10	250	312108C100CA-PE	\$ 373.00
				12	300	312108C120CA-PE	\$ 452.00
				16	400	312108C160CA-PE	\$ 516.50
				20	500	312108C200CA-PE	\$ 731.60
				24	600	312108C240CA-PE	\$ 911.00
				30	750	312108C300CA-PE	\$ 1,201.00

3121AS-PE ALL STAINLESS SINGLE PANEL

Nominal Pipe Size		Pipe OD Range		Width		Catalog Number	List Price
Inches	MM	Inches	MM	Inches	MM		
10B	250	10.64 - 11.04	270 - 280	8	200	312110B080CA-PE	\$ 375.40
				10	250	312110B100CA-PE	\$ 493.60
				12	300	312110B120CA-PE	\$ 588.90
				16	400	312110B160CA-PE	\$ 676.50
				20	500	312110B200CA-PE	\$ 903.40
				24	600	312110B240CA-PE	\$ 1,122.10
				30	750	312110B300CA-PE	\$ 1,535.90
10C	250	11.04 - 11.44	280 - 291	8	200	312110C080CA-PE	\$ 375.40
				10	250	312110C100CA-PE	\$ 493.60
				12	300	312110C120CA-PE	\$ 588.90
				16	400	312110C160CA-PE	\$ 676.50
				20	500	312110C200CA-PE	\$ 903.40
				24	600	312110C240CA-PE	\$ 1,122.10
				30	750	312110C300CA-PE	\$ 1,535.90
12B	300	12.62 - 13.02	321 - 331	8	200	312112B080CA-PE	\$ 565.00
				10	250	312112B100CA-PE	\$ 565.00
				12	300	312112B120CA-PE	\$ 683.10
				16	400	312112B160CA-PE	\$ 771.60
				20	500	312112B200CA-PE	\$ 1,071.50
				24	600	312112B240CA-PE	\$ 1,272.60
				30	750	312112B300CA-PE	\$ 1,816.50
12C	300	13.10 - 13.50	333 - 343	8	200	312112C080CA-PE	\$ 565.00
				10	250	312112C100CA-PE	\$ 565.00
				12	300	312112C120CA-PE	\$ 683.10
				16	400	312112C160CA-PE	\$ 771.60
				20	500	312112C200CA-PE	\$ 1,071.50
				24	600	312112C240CA-PE	\$ 1,272.60
				30	750	312112C300CA-PE	\$ 1,816.50

MANUFACTURERS RECOMMENDATIONS

- Clamp width should equal or exceed pipe diameter for higher working pressures.
- Repair Clamps are not recommended for use in joining plain end pressure pipe.
- Other sizes and widths not listed are readily available. Price on request.

Pipe OD Range = 0.40" (10mm) Pipe Sizes 1 1/4 through 6 inch are available in 6 inch Width and are priced the same as the 8 inch Width.

HOW TO ORDER: Specify Model Number, Pipe Size with Letter Code, and Width. EXAMPLE: For 6" HDPE pipe with 6.90" O.D. and 12" Clamp Width. Order 3121AS-PE - 6C x 12. **Part Number:** 312106C120CA-PE .

NOTE: Clamps will not eliminate axial / lateral movement of pipe. Some type of pipe restraint or anchoring product must be used in these situations.

3122AS-PE ALL STAINLESS DOUBLE PANEL

GASKET: SBR Chek-O-Seal with multi o-ring sealing ribs from 100% new rubber to ensure performance under varying pressures with superior storage characteristics. Suitable for mild acids, water and salt media with a temperature range of -25°F to +200°F per ASTM D2000. Other materials available.

ARMOR PLATE: Type 304 (18-8) Stainless Steel per ASTM A240, recessed and bonded to the gasket.

BOLTS & NUTS: Type 304 (18-8) Stainless Steel per ASTM A193 and A194. NOTE: Hex nuts are furnished with fusion bonded coating to prevent seizing and/or galling.

WASHERS: Stainless Steel per ASTM A240, type 304. Special spring type.

LUGS: Type 304 (18-8) Stainless Steel per ASTM A240.



Nominal Pipe Size		Pipe OD Range		Width		Catalog Number	List Price
Inches	MM	Inches	MM	Inches	MM		
3	75	3.49-4.29	89-109	8	200	3122030080CA-PE	\$ 257.00
				10	250	3122030100CA-PE	\$ 311.00
				12	300	3122030120CA-PE	\$ 406.00
				16	400	3122030160CA-PE	\$ 479.40
				20	500	3122030200CA-PE	\$ 776.90
				24	600	3122030240CA-PE	\$ 812.00
				30	750	3122060300CA-PE	\$ 958.40
4A	100	4.44 - 5.24	113-133	8	200	312204A080CA-PE	\$ 313.80
				10	250	312204A100CA-PE	\$ 412.10
				12	300	312204A120CA-PE	\$ 488.00
				16	400	312204A160CA-PE	\$ 906.90
				20	500	312204A200CA-PE	\$ 1,209.30
				24	600	312204A240CA-PE	\$ 1,511.50
				30	750	312204A300CA-PE	\$ 1,778.30
4B	100	4.74 - 5.57	120-141	8	200	312204B080CA-PE	\$ 313.80
				10	250	312204B100CA-PE	\$ 412.10
				12	300	312204B120CA-PE	\$ 488.00
				16	400	312204B160CA-PE	\$ 906.90
				20	500	312204B200CA-PE	\$ 1,209.30
				24	600	312204B240CA-PE	\$ 1,511.50
				30	750	312204B300CA-PE	\$ 1,778.30
6A	150	6.62 - 7.42	168-188	8	200	312206A080CA-PE	\$ 360.60
				10	250	312206A100CA-PE	\$ 464.00
				12	300	312206A120CA-PE	\$ 528.40
				16	400	312206A160CA-PE	\$ 922.50
				20	500	312206A200CA-PE	\$ 1,230.10
				24	600	312206A240CA-PE	\$ 1,537.60
				30	750	312206A300CA-PE	\$ 1,809.00

3122AS-PE ALL STAINLESS DOUBLE PANEL

Nominal Pipe Size		Pipe OD Range		Width		Catalog Number	List Price
Inches	MM	Inches	MM	Inches	MM		
6B	150	6.84 - 7.64	174-194	8	200	312206B080CA-PE	\$ 360.60
				10	250	312206B100CA-PE	\$ 464.00
				12	300	312206B120CA-PE	\$ 528.40
				16	400	312206B160CA-PE	\$ 922.50
				20	500	312206B200CA-PE	\$ 1,230.10
				24	600	312206B240CA-PE	\$ 1,537.60
				30	750	312206B300CA-PE	\$ 1,809.00
8A	200	8.62 - 9.42	219-239	8	200	312208A080CA-PE	\$ 412.80
				10	250	312208A100CA-PE	\$ 515.10
				12	300	312208A120CA-PE	\$ 600.40
				16	400	312208A160CA-PE	\$ 938.00
				20	500	312208A200CA-PE	\$ 1,250.60
				24	600	312208A240CA-PE	\$ 1,563.40
				30	750	312208A300CA-PE	\$ 1,839.10
8B	200	8.99 - 9.79	228-249	8	200	312208B080CA-PE	\$ 412.80
				10	250	312208B100CA-PE	\$ 515.10
				12	300	312208B120CA-PE	\$ 600.40
				16	400	312208B160CA-PE	\$ 938.00
				20	500	312208B200CA-PE	\$ 1,250.60
				24	600	312208B240CA-PE	\$ 1,563.40
				30	750	312208B300CA-PE	\$ 1,839.10
10A	250	10.75 - 11.55	273-293	12	300	312210A120CA-PE	\$ 721.00
				16	400	312210A160CA-PE	\$ 1,082.30
				20	500	312210A200CA-PE	\$ 1,442.90
				24	600	312210A240CA-PE	\$ 1,803.60
				30	750	312210A300CA-PE	\$ 2,121.90
10B	250	11.10 - 11.90	282-302	12	300	312210B120CA-PE	\$ 721.00
				16	400	312210B160CA-PE	\$ 1,082.30
				20	500	312210B200CA-PE	\$ 1,442.90
				24	600	312210B240CA-PE	\$ 1,803.60
				30	750	312210B300CA-PE	\$ 2,121.90
12A	300	12.75-13.55	324-344	12	300	312212A120CA-PE	\$ 927.10
				16	400	312212A160CA-PE	\$ 1,210.00
				20	500	312212A200CA-PE	\$ 1,613.40
				24	600	312212A240CA-PE	\$ 2,016.60
				30	750	312212A300CA-PE	\$ 2,372.50
12B	300	13.20-14.00	335-356	12	300	312212B120CA-PE	\$ 927.10
				16	400	312212B160CA-PE	\$ 1,210.00
				20	500	312212B200CA-PE	\$ 1,613.40
				24	600	312212B240CA-PE	\$ 2,016.60
				30	750	312212B300CA-PE	\$ 2,372.50

3122AS-PE ALL STAINLESS DOUBLE PANEL

Nominal Pipe Size		Pipe OD Range		Width		Catalog Number	List Price
Inches	MM	Inches	MM	Inches	MM		
12D	300	14.00-14.80	357-376	12	300	312212D120CA-PE	\$ 927.10
				16	400	312212D160CA-PE	\$ 1,210.00
				20	500	312212D200CA-PE	\$ 1,613.40
				24	600	312212D240CA-PE	\$ 2,016.60
				30	750	312212D300CA-PE	\$ 2,372.50
14B	350	15.07-15.82	383-402	12	300	312214B120CA-PE	\$ 1,052.60
				16	400	312214B160CA-PE	\$ 1,428.10
				20	500	312114B200CA-PE	\$ 1,904.10
				24	600	312214B240CA-PE	\$ 2,380.10
				30	750	312214B300CA-PE	\$ 2,800.10
16A	400	15.92 - 16.67	404-423	12	300	312216A120CA-PE	\$ 1,141.00
				16	400	312216A160CA-PE	\$ 1,711.90
				20	500	312216A200CA-PE	\$ 2,282.40
				24	600	312216A240CA-PE	\$ 2,853.00
				30	750	312216A300CA-PE	\$ 3,356.40
16C	400	17.15-17.90	436-455	12	300	312216C120CA-PE	\$ 1,141.00
				16	400	312216C160CA-PE	\$ 1,711.90
				20	500	312216C200CA-PE	\$ 2,282.40
				24	600	312216C240CA-PE	\$ 2,853.00
				30	750	312216C300CA-PE	\$ 3,356.40
18A	450	17.82 - 18.57	453-472	16	400	312218A160CA-PE	\$ 1,759.50
				20	500	312218A200CA-PE	\$ 2,428.30
				24	600	312218A240CA-PE	\$ 2,932.60
				30	750	312218A300CA-PE	\$ 3,450.10
18C	450	19.23 - 19.98	488-507	16	400	312218C160CA-PE	\$ 1,759.50
				20	500	312218C200CA-PE	\$ 2,428.30
				24	600	312218C240CA-PE	\$ 2,932.60
				30	750	312218C300CA-PE	\$ 3,450.10
20A	500	19.90 - 20.65	505-525	16	400	312220A160CA-PE	\$ 1,807.10
				20	500	312220A200CA-PE	\$ 2,409.40
				24	600	312220A240CA-PE	\$ 3,011.60
				30	750	312220A300CA-PE	\$ 3,543.10
22A	550	21.52 - 22.27	547-566	16	400	312222A160CA-PE	\$ 1,898.60
				20	500	312222A200CA-PE	\$ 2,531.60
				24	600	312222A240CA-PE	\$ 3,164.50
				30	750	312222A300CA-PE	\$ 3,722.90

MANUFACTURERS RECOMMENDATIONS

- Clamp width should equal or exceed pipe diameter for higher working pressures.
- Repair Clamps are not recommended for use in joining plain end pressure pipe.
- Other sizes and widths not listed are readily available. Price on request.

Pipe OD Range = 0.80" (20mm) Pipe Sizes 3 through 6 inch are available in 6 inch Width and are priced the same as the 8 inch Width.

HOW TO ORDER: Specify Model Number, Pipe Size with Letter Code, and Width. EXAMPLE: 12" HDPE O.D. 13.20" with 16" Clamp Width. Order 3122AS-PE- 12B x 16. **Part Number:** 312212B160CA-PE

NOTE: Clamps will not eliminate axial / lateral movement of pipe. Some type of pipe restraint or anchoring product must be used in these situations.

3412AS-PE ALL STAINLESS SADDLE

PANEL & LIFTER BAR: TType 304 (18-8) Stainless Steel per ASTM A240.

BOLTS & NUTS: Type 304 (18-8) Stainless Steel per ASTM A193 and A194.

NOTE: Hex nuts are furnished with fusion bonded coating to prevent seizing and galling.

WASHERS: Stainless Steel per ASTM A240, type 304. Special spring type.

LUGS: TType 304 (18-8) Stainless Steel per ASTM A240.

OUTLET: Type 304 (18-8) Stainless Steel per ASTM A276

GASKET: NBR per ASTM D2000; Patented TwinSeal® dual o-ring design incorporating both hydrostatic and mechanical forces to affect a dynamic seal.



Nominal Pipe Size		Pipe OD Range		Width		outlet size	Catalog Number	List Price
Inches	MM	Inches	MM	Inches	MM			
3	80	3.48 - 3.52	88 - 90	6	150	3/4 CC	3412030075TB-PE	\$ 121.90
						3/4 NPT	3412030075TC-PE	
						1 CC	3412030100TD-PE	
						1 NPT	3412030100TE-PE	
						1 1/4 CC	3412030125TF-PE	\$ 261.50
						1 1/4 NPT	3412030125TG-PE	
						1 1/2 CC	3412030150TH-PE	
						1 1/2 NPT	3412030150TI-PE	
						2 CC	3412030200TJ-PE	
						2 NPT	3412030200TK-PE	
3 1/2	90	3.98 - 4.02	101 - 102	6	150	3/4 CC	3412035075TB-PE	\$ 123.40
						3/4 NPT	3412035075TC-PE	
						1 CC	3412035100TD-PE	
						1 NPT	3412035100TE-PE	
						1 1/4 CC	3412035125TF-PE	\$ 264.90
						1 1/4 NPT	3412035125TG-PE	
						1 1/2 CC	3412035150TH-PE	
						1 1/2 NPT	3412035150TI-PE	
						2 CC	3412035200TJ-PE	
						2 NPT	3412035200TK-PE	
4	100	4.50 - 4.80	114 - 122	6	150	3/4 CC	3412040075TB-PE	\$ 139.60
						3/4 NPT	3412040075TC-PE	
						1 CC	3412040100TD-PE	
						1 NPT	3412040100TE-PE	
						1 1/4 CC	3412040125TF-PE	\$ 268.10
						1 1/4 NPT	3412040125TG-PE	
						1 1/2 CC	3412040150TH-PE	
						1 1/2 NPT	3412040150TI-PE	
						2 CC	3412040200TJ-PE	
						2 NPT	3412040200TK-PE	

3412AS-PE ALL STAINLESS SADDLE

Nominal Pipe Size		Pipe OD Range		Width		outlet size	Catalog Number	List Price
Inches	MM	Inches	MM	Inches	MM			
5	125	5.54 - 5.84	141 - 148	6	150	3/4 CC	3412050075TB-PE	\$ 188.40
						3/4 NPT	3412050075TC-PE	
						1 CC	3412050100TD-PE	
						1 NPT	3412050100TE-PE	
						1 1/4 CC	3412050125TF-PE	\$ 270.90
						1 1/4 NPT	3412050125TG-PE	
						1 1/2 CC	3412050150TH-PE	
						1 1/2 NPT	3412050150TI-PE	
						2 CC	3412050200TJ-PE	
						2 NPT	3412050200TK-PE	
6	150	6.63 - 6.90	168 - 175	6	150	3/4 CC	3412060075TB-PE	\$ 198.00
						3/4 NPT	3412060075TC-PE	
						1 CC	3412060100TD-PE	
						1 NPT	3412060100TE-PE	
						1 1/4 CC	3412060125TF-PE	\$ 278.60
						1 1/4 NPT	3412060125TG-PE	
						1 1/2 CC	3412060150TH-PE	
						1 1/2 NPT	3412060150TI-PE	
						2 CC	3412060200TJ-PE	
						2 NPT	3412060200TK-PE	
8	200	8.63 - 9.05	219 - 230	6	150	3/4 CC	3412080075TB-PE	\$ 201.00
						3/4 NPT	3412080075TC-PE	
						1 CC	3412080100TD-PE	
						1 NPT	3412080100TE-PE	
						1 1/4 CC	3412080125TF-PE	\$ 290.50
						1 1/4 NPT	3412080125TG-PE	
						1 1/2 CC	3412080150TH-PE	
						1 1/2 NPT	3412080150TI-PE	
						2 CC	3412080200TJ-PE	
						2 NPT	3412080200TK-PE	
10	250	10.75 - 11.10	273 - 282	6	150	3/4 CC	3412100075TB-PE	\$ 244.90
						3/4 NPT	3412100075TC-PE	
						1 CC	3412100100TD-PE	
						1 NPT	3412100100TE-PE	
						1 1/4 CC	3412100125TF-PE	\$ 306.40
						1 1/4 NPT	3412100125TG-PE	
						1 1/2 CC	3412100150TH-PE	
						1 1/2 NPT	3412100150TI-PE	
						2 CC	3412100200TJ-PE	
						2 NPT	3412100200TK-PE	

3412AS-PE ALL STAINLESS SADDLE

Nominal Pipe Size		Pipe OD Range		Width		outlet size	Catalog Number	List Price
Inches	MM	Inches	MM	Inches	MM			
12	300	12.75 - 13.20	324 - 335	6	150	3/4 CC	3412120075TB-PE	\$ 250.40
						3/4 NPT	3412120075TC-PE	
						1 CC	3412120100TD-PE	
						1 NPT	3412120100TE-PE	
						1 1/4 CC	3412120125TF-PE	\$ 323.50
						1 1/4 NPT	3412120125TI-PE	
						1 1/2 CC	3412120150TH-PE	
						1 1/2 NPT	3412120150TI-PE	
						2 CC	3412120200TJ-PE	
						2 NPT	3412120200TK-PE	

HOW TO ORDER: Choose nominal pipe size x outlet size and thread configuration. EXAMPLE: 4" C900 O.D. 4.80 with 3/4 CC outlet. Order 3412AS-PE - 4 x 3/4 CC. **Part Number:** 3412040075TB-PE .

3414AS-PE ALL STAINLESS WIDE RANGE SADDLE

PANEL & LIFTER BAR: Type 304 (18-8) Stainless Steel per ASTM A240.

BOLTS & NUTS: T Type 304 (18-8) Stainless Steel per ASTM A193 and A194. NOTE: Hex nuts are furnished with fusion bonded coating to prevent seizing and galling.

WASHERS: Stainless Steel per ASTM A240, type 304. Special spring type.

LUGS: Type 304 (18-8) Stainless Steel per ASTM A240.

OUTLET: Type 304 (18-8) Stainless Steel per ASTM A276.

GASKET: NBR per ASTM D2000; Patented TwinSeal® dual o-ring design incorporating both hydrostatic and mechanical forces to affect a dynamic seal.



Nominal Pipe Size		Pipe OD Range		Width		outlet size	Catalog Number	List Price
Inches	MM	Inches	MM	Inches	MM			
4	100	4.50 - 5.10	114 - 130	8	200	3/4 CC	3414040075TB-PE	\$ 199.60
						3/4 NPT	3414040075TC-PE	
						1 CC	3414040100TD-PE	
						1 NPT	3414040100TE-PE	
						1 1/4 CC	3414040125TF-PE	\$ 383.00
						1 1/4 NPT	3414040125TG-PE	
						1 1/2 CC	3414040150TH-PE	
						1 1/2 NPT	3414040150TI-PE	
						2 CC	3414040200TJ-PE	
						2 NPT	3414040200TK-PE	
5	125	5.54 - 6.14	141 - 156	8	200	3/4 CC	3414050075TB-PE	\$ 269.00
						3/4 NPT	3414050075TC-PE	
						1 CC	3414050010TD-PE	
						1 NPT	3414050100TE-PE	
						1 1/4 CC	3414050125TF-PE	\$ 386.80
						1 1/4 NPT	3414050125TG-PE	
						1 1/2 CC	3414050150TH-PE	
						1 1/2 NPT	3414050150TI-PE	
						2 CC	3414050200TJ-PE	
						2 NPT	3414050200TK-PE	
6	150	6.63 - 7.23	168 - 184	8	200	3/4 CC	3414060075TB-PE	\$ 282.90
						3/4 NPT	3414060075TC-PE	
						1 CC	3414060100TD-PE	
						1 NPT	3414060100TE-PE	
						1 1/4 CC	3414060125TF-PE	\$ 398.00
						1 1/4 NPT	3414060125TG-PE	
						1 1/2 CC	3414060150TH-PE	
						1 1/2 NPT	3414060150TI-PE	
						2 CC	3414060200TJ-PE	
						2 NPT	3414060200TK-PE	

3414AS-PE ALL STAINLESS WIDE RANGE SADDLE

Nominal Pipe Size		Pipe OD Range		Width		outlet size	Catalog Number	List Price
Inches	MM	Inches	MM	Inches	MM			
8	200	8.63 - 9.83	219 - 250	8	200	3/4 CC	3414080075TB-PE	\$ 287.00
						3/4 NPT	3414080075TC-PE	
						1 CC	3414080100TD-PE	
						1 NPT	3414080100TE-PE	
						1 1/4 CC	3414080125TF-PE	\$ 415.00
						1 1/4 NPT	3414080125TG-PE	
						1 1/2 CC	3414080150TH-PE	
						1 1/2 NPT	3414080150TI-PE	
						2 CC	3414080200TJ-PE	
						2 NPT	3414080200TK-PE	
10	250	10.75 - 11.95	273 - 304	8	200	3/4 CC	3414100075TB-PE	\$ 349.60
						3/4 NPT	3414100075TC-PE	
						1 CC	3414100100TD-PE	
						1 NPT	3414100100TE-PE	
						1 1/4 CC	3414100125TF-PE	\$ 437.50
						1 1/4 NPT	3414100125TG-PE	
						1 1/2 CC	3414100150TH-PE	
						1 1/2 NPT	3414100150TI-PE	
						2 CC	3414100200TJ-PE	
						2 NPT	3414100200TK-PE	
12	300	12.75 - 13.95	324 - 354	8	200	3/4 CC	3414120075TB-PE	\$ 357.60
						3/4 NPT	3414120075TC-PE	
						1 CC	3414120100TD-PE	
						1 NPT	3414120100TE-PE	
						1 1/4 CC	3414120125TF-PE	\$ 462.10
						1 1/4 NPT	3414120125TG-PE	
						1 1/2 CC	3414120150TH-PE	
						1 1/2 NPT	3414120150TI-PE	
						2 CC	3414120200TJ-PE	
						2 NPT	3414120200TK-PE	

HOW TO ORDER: Choose nominal pipe size x outlet size and thread configuration. EXAMPLE: 8" HDPE O.D. 9.05 with 3/4 CC outlet order 3414AS-PE - 8 x 3/4 CC. **Part Number:** 3414080075TB-PE .

3416AS-PE ALL STAINLESS SADDLE LARGER DIAMETERS

PANEL & LIFTER BAR: TType 304 (18-8) Stainless Steel per ASTM A240.

BOLTS & NUTS: Type 304 (18-8) Stainless Steel per ASTM A193 and A194. NOTE: Hex nuts are furnished with fusion bonded coating to prevent seizing and galling.

WASHERS: Stainless Steel per ASTM A240, type 304. Special spring type.

LUGS: Type 304 (18-8) Stainless Steel per ASTM A240.

OUTLET: Type 304 (18-8) Stainless Steel per ASTM A276.

GASKET: NBR per ASTM D2000; Patented TwinSeal® dual o-ring design incorporating both hydrostatic and mechanical forces to affect a dynamic seal.



Nominal Pipe Size		Pipe OD Range		Width			outlet size	Catalog Number	List Price
Inches	MM	Inches	MM	Inches	MM				
14	350	14.00 - 15.20	356 - 386	8	200	A	3/4 CC	341614A075TB-PE	\$ 404.30
							3/4 NPT	341614A075TC-PE	
							1 CC	341614A100TD-PE	
							1 NPT	341614A100TE-PE	
							1 1/4 CC	341614A125TF-PE	\$ 439.40
							1 1/4 NPT	341614A125TG-PE	
							1 1/2 CC	341614A150TH-PE	
							1 1/2 NPT	341614A150TI-PE	
							2 CC	341614A200TJ-PE	
							2 NPT	341614A200TK-PE	
							2 1/2 FIP	341614A250TL-PE	
							3 FIP	341614A300TP-PE	
		15.30 - 16.50	389 - 419	8	200	B	3/4 CC	341614B075TB-PE	\$ 404.30
							3/4 NPT	341614B075TC-PE	
							1 CC	341614B100TD-PE	
							1 NPT	341614B100TE-PE	
							1 1/4 CC	341614B125TF-PE	\$ 439.40
							1 1/4 NPT	341614B125TG-PE	
							1 1/2 CC	341614B150TH-PE	
							1 1/2 NPT	341614B150TI-PE	
							2 CC	341614B200TJ-PE	
							2 NPT	341614B200TK-PE	
							2 1/2 FIP	341614B250TL-PE	
							3 FIP	341614B300TP-PE	

3416AS-PE ALL STAINLESS SADDLE LARGER DIAMETERS

Nominal Pipe Size		Pipe OD Range		Width			outlet size	Catalog Number	List Price
Inches	MM	Inches	MM	Inches	MM				
16	400	16.60 - 17.80	422 - 452	8	200	A	3/4 CC	341616A075TB-PE	\$ 435.30
							3/4 NPT	341616A075TC-PE	
							1 CC	341616A100TD-PE	
							1 NPT	341616A100TE-PE	
							1 1/4 CC	341616A125TF-PE	\$ 473.40
							1 1/4 NPT	341616A125TG-PE	
							1 1/2 CC	341616A150TH-PE	
							1 1/2 NPT	341616A150TI-PE	
							2 CC	341616A200TJ-PE	
							2 NPT	341616A200TK-PE	
							2 1/2 FIP	341616A250TL-PE	
							3 FIP	341616A300TP-PE	
18	450	18.00 - 19.20	457 - 488	8	200	A	3/4 CC	341618A075TB-PE	\$ 467.70
							3/4 NPT	341618A075TC-PE	
							1 CC	341618A100TD-PE	
							1 NPT	341618A100TE-PE	
							1 1/4 CC	341618A125TF-PE	\$ 511.10
							1 1/4 NPT	341618A125TG-PE	
							1 1/2 CC	341618A150TH-PE	
							1 1/2 NPT	341618A150TI-PE	
							2 CC	341618A200TJ-PE	
							2 NPT	341618A200TK-PE	
							2 1/2 FIP	341618A250TL-PE	
							3 FIP	341618A300TP-PE	
		19.50-20.70	495-526	8	200	B	3/4 CC	341618B075TB-PE	\$ 467.70
							3/4 NPT	341618B075TC-PE	
							1 CC	341618B100TD-PE	
							1 NPT	341618B100TE-PE	
							1 1/4 CC	341618B125TF-PE	\$ 511.10
							1 1/4 NPT	341618B125TG-PE	
							1 1/2 CC	341618B150TH-PE	
							1 1/2 NPT	341618B150TI-PE	
							2 CC	341618B200TJ-PE	
							2 NPT	341618B200TK-PE	
							2 1/2 FIP	341618B250TL-PE	
							3 FIP	341618B300TP-PE	

3416AS-PE ALL STAINLESS SADDLE LARGER DIAMETERS

Nominal Pipe Size		Pipe OD Range		Width			outlet size	Catalog Number	List Price
Inches	MM	Inches	MM	Inches	MM				
20	500	21.60 - 22.80	549 - 579	8	200	A	3/4 CC	341620B075TB-PE	\$ 573.90
							3/4 NPT	341620B075TC-PE	
							1 CC	341620B100TD-PE	
							1 NPT	341620B100TE-PE	
							1 1/4 CC	341620B125TF-PE	\$ 612.10
							1 1/4 NPT	341620B125TG-PE	
							1 1/2 CC	341620B150TH-PE	
							1 1/2 NPT	341620B150TI-PE	
							2 CC	341620B200TJ-PE	
							2 NPT	341620B200TK-PE	
							2 1/2 FIP	341620B250TL-PE	
							3 FIP	341620B300TP-PE	
24	600	24.00 - 25.20	610 - 640	8	200	A	3/4 CC	341624A075TB-PE	\$ 606.00
							3/4 NPT	341624A075TC-PE	
							1 CC	341624A100TD-PE	
							1 NPT	341624A100TE-PE	\$ 637.60
							1 1/4 CC	341624A125TF-PE	
							1 1/4 NPT	341624A125TG-PE	
							1 1/2 CC	341624A150TH-PE	
							1 1/2 NPT	341624A150TI-PE	
							2 CC	341624A200TJ-PE	
							2 NPT	341624A200TK-PE	
							2 1/2 FIP	341624A250TL-PE	
							3 FIP	341624A300TP-PE	
		25.80 - 27.00	655 - 686	8	200	B	3/4 CC	341624B075TB-PE	\$ 606.00
							3/4 NPT	341624B075TC-PE	
							1 CC	341624B100TD-PE	
							1 NPT	341624B100TE-PE	\$ 637.60
							1 1/4 CC	341624B125TF-PE	
							1 1/4 NPT	341624B125TG-PE	
							1 1/2 CC	341624B150TH-PE	
							1 1/2 NPT	341624B150TI-PE	
							2 CC	341624B200TJ-PE	
							2 NPT	341624B200TK-PE	
							2 1/2 FIP	341624B250TL-PE	
							3 FIP	341624B300TP-PE	

3416AS-PE ALL STAINLESS SADDLE LARGER DIAMETERS

Nominal Pipe Size		Pipe OD Range		Width			outlet size	Catalog Number	List Price
Inches	MM	Inches	MM	Inches	MM				
30	750	30.00 - 31.20	762 - 792	8	200	A	3/4 CC	341630A075TB-PE	\$ 1,266.10
							3/4 NPT	341630A075TC-PE	
							1 CC	341630A100TD-PE	
							1 NPT	341630A100TE-PE	
							1 1/4 CC	341630A125TF-PE	\$ 1,302.10
							1 1/4 NPT	341630A125TG-PE	
							1 1/2 CC	341630A150TH-PE	
							1 1/2 NPT	341630A150TI-PE	
							2 CC	341630A200TJ-PE	
							2 NPT	341630A200TK-PE	
							2 1/2 FIP	341630A250TL-PE	
		32.00 - 33.20	813 - 843	8	200	B	3 FIP	341630A300TP-PE	
							3/4 CC	341630B075TB-PE	\$ 1,266.10
							3/4 NPT	341630B075TC-PE	
							1 CC	341630B100TD-PE	
							1 NPT	341630B100TE-PE	
							1 1/4 CC	341630B125TF-PE	\$ 1,302.10
							1 1/4 NPT	341630B125TG-PE	
							1 1/2 CC	341630B150TH-PE	
							1 1/2 NPT	341630B150TI-PE	
							2 CC	341630B200TJ-PE	
							2 NPT	341630B200TK-PE	
							2 1/2 FIP	341630B250TL-PE	
							3 FIP	341630B300TP-PE	
36	900	36.00 - 37.20	914 - 945	8	200	A	3/4 CC	341636A075TB-PE	\$ 1,407.00
							3/4 NPT	341636A075TC-PE	
							1 CC	341636A100TD-PE	
							1 NPT	341636A100TE-PE	
							1 1/4 CC	341636A125TF-PE	\$ 1,446.70
							1 1/4 NPT	341636A125TG-PE	
							1 1/2 CC	341636A150TH-PE	
							1 1/2 NPT	341636A150TI-PE	
							2 CC	341636A200TJ-PE	
							2 NPT	341636A200TK-PE	
							2 1/2 FIP	341636A250TL-PE	
							3 FIP	341636A300TP-PE	

3416AS-PE ALL STAINLESS SADDLE LARGER DIAMETERS

Nominal Pipe Size		Pipe OD Range		Width			outlet size	Catalog Number	List Price
Inches	MM	Inches	MM	Inches	MM				
36	900	37.90 - 39.10	963 - 993	8	200	B	3/4 CC	341636B075TB-PE	\$ 1,407.00
							3/4 NPT	341636B075TC-PE	
							1 CC	341636B100TD-PE	
							1 NPT	341636B100TE-PE	
							1 1/4 CC	341636B125TF-PE	\$ 1,446.70
							1 1/4 NPT	341636B125TG-PE	
							1 1/2 CC	341636B150TH-PE	
							1 1/2 NPT	341636B150TI-PE	
							2 CC	341636B200TJ-PE	
							2 NPT	341636B200TK-PE	
							2 1/2 FIP	341636B250TL-PE	
							3 FIP	341636B300TP-PE	
		39.10 - 40.30	993 - 1024	8	200	C	3/4 CC	341636C075TB-PE	\$ 1,407.00
							3/4 NPT	341636C075TC-PE	
							1 CC	341636C100TD-PE	
							1 NPT	341636C100TE-PE	
							1 1/4 CC	341636C125TF-PE	\$ 1,446.70
							1 1/4 NPT	341636C125TG-PE	
							1 1/2 CC	341636B150TH-PE	
							1 1/2 NPT	341636C150TI-PE	
							2 CC	341636C200TJ-PE	
							2 NPT	341636C200TK-PE	
							2 1/2 FIP	341636C250TL-PE	
							3 FIP	341636C300TP-PE	
42	1100	42.00 - 43.20	1067 - 1097	8	200	A	3/4 CC	341642A075TB-PE	\$ 1,639.90
							3/4 NPT	341642A075TC-PE	
							1 CC	341642A100TD-PE	
							1 NPT	341642A100TE-PE	
							1 1/4 CC	341642A125TF-PE	\$ 1,687.30
							1 1/4 NPT	341642A125TG-PE	
							1 1/2 CC	341642A150TH-PE	
							1 1/2 NPT	341642A150TI-PE	
							2 CC	341642A200TJ-PE	
							2 NPT	341642A200TK-PE	
							2 1/2 FIP	341642A250TL-PE	
							3 FIP	341642A300TP-PE	

3416AS-PE ALL STAINLESS SADDLE LARGER DIAMETERS

Nominal Pipe Size		Pipe OD Range		Width			outlet size	Catalog Number	List Price
Inches	MM	Inches	MM	Inches	MM				
42	1100	44.20 - 45.40	1123 - 1153	8	200	B	3/4 CC	341642B075TB-PE	\$ 1,639.90
							3/4 NPT	341642B075TC-PE	
							1 CC	341642B100TD-PE	
							1 NPT	341642B100TE-PE	
							1 1/4 CC	341642B125TF-PE	\$ 1,687.30
							1 1/4 NPT	341642B125TG-PE	
							1 1/2 CC	341642B150TH-PE	
							1 1/2 NPT	341642B150TI-PE	
							2 CC	341642B200TJ-PE	
							2 NPT	341642B200TK-PE	
							2 1/2 FIP	341642B250TL-PE	
							3 FIP	341642B300TP-PE	
		45.50 - 46.70	1156 - 1186	8	200	C	3/4 CC	341642C075TB-PE	\$ 1,639.90
							3/4 NPT	341642C075TC-PE	
							1 CC	341642C100TD-PE	
							1 NPT	341642C100TE-PE	
							1 1/4 CC	341642C125TF-PE	\$ 1,687.30
							1 1/4 NPT	341642C125TG-PE	
							1 1/2 CC	341642C150TH-PE	
							1 1/2 NPT	341642C150TI-PE	
							2 CC	341642C200TJ-PE	
							2 NPT	341642C200TK-PE	
							2 1/2 FIP	341642C250TL-PE	
							3 FIP	341642C300TP-PE	
48	1200	48.00 - 49.20	1219 - 1250	8	200	A	3/4 CC	341648A075TB-PE	\$ 1,874.10
							3/4 NPT	341648A075TC-PE	
							1 CC	341648A100TD-PE	
							1 NPT	341648A100TE-PE	
							1 1/4 CC	341648A125TF-PE	\$ 1,929.10
							1 1/4 NPT	341648A125TG-PE	
							1 1/2 CC	341648A150TH-PE	
							1 1/2 NPT	341648A150TI-PE	
							2 CC	341648A200TJ-PE	
							2 NPT	341648A200TK-PE	
							2 1/2 FIP	341648A250TL-PE	
							3 FIP	341648A300TP-PE	

3416AS-PE ALL STAINLESS SADDLE LARGER DIAMETERS

Nominal Pipe Size		Pipe OD Range		Width			outlet size	Catalog Number	List Price
Inches	MM	Inches	MM	Inches	MM				
48	1200	50.50 - 51.70	1283 - 1313	8	200	B	3/4 CC	341648B075TB-PE	\$ 1,874.10
							3/4 NPT	341648B075TC-PE	
							1 CC	341648B100TD-PE	
							1 NPT	341648B100TE-PE	
							1 1/4 CC	341648B125TF-PE	\$ 1,929.10
							1 1/4 NPT	341648B125TG-PE	
							1 1/2 CC	341648B150TH-PE	
							1 1/2 NPT	341648B150TI-PE	
							2 CC	341648B200TJ-PE	
							2 NPT	341648B200TK-PE	
							2 1/2 FIP	341648B250TL-PE	
							3 FIP	341648B300TP-PE	
		51.80 - 53.00	1316 - 1346	8	200	C	3/4 CC	341648C075TB-PE	\$ 2,023.10
							3/4 NPT	341648C075TC-PE	
							1 CC	341648C100TD-PE	
							1 NPT	341648C100TE-PE	
							1 1/4 CC	341648C125TF-PE	\$ 2,081.50
							1 1/4 NPT	341648C125TG-PE	
							1 1/2 CC	341648C150TH-PE	
							1 1/2 NPT	341648C150TI-PE	
							2 CC	341648C200TJ-PE	
							2 NPT	341648C200TK-PE	
							2 1/2 FIP	341648C250TL-PE	
							3 FIP	341648C300TP-PE	
		53.10 - 53.30	1349 - 1379	8	200	D	3/4 CC	341648D075TB-PE	\$ 2,023.10
							3/4 NPT	341648D075TC-PE	
							1 CC	341648D100TD-PE	
							1 NPT	341648D100TE-PE	
							1 1/4 CC	341648D125TF-PE	\$ 2,081.50
							1 1/4 NPT	341648D125TG-PE	
							1 1/2 CC	341648D150TH-PE	
							1 1/2 NPT	341648D150TI-PE	
							2 CC	341648D200TJ-PE	
							2 NPT	341648D200TK-PE	
							2 1/2 FIP	341648D250TL-PE	
							3 FIP	341648D300TP-PE	

"HOW TO ORDER: Choose nominal pipe size x outlet size and thread configuration. EXAMPLE: 16" C900 O.D. 17.40 with 3/4 CC outlet. Order 3416AS-PE - 16A x 3/4 CC. **Part Number:** 341616A075TB-PE .

NOTE: Other ranges, tap sizes available upon request.

3422AS-PE DOUBLE STRAP ALL STAINLESS SADDLE “WIDE RANGE”

PANEL & LIFTER BAR: Type 304 (18-8) Stainless Steel per ASTM A240.

BOLTS & NUTS: Type 304 (18-8) Stainless Steel per ASTM A193 and A194. NOTE: Hex nuts are furnished with fusion bonded coating to prevent seizing and galling.

WASHERS: Stainless Steel per ASTM A240, type 304. Special spring type.

LUGS: Type 304 (18-8) Stainless Steel per ASTM A240.

OUTLET: Type 304 (18-8) Stainless Steel per ASTM A276.

GASKET: NBR per ASTM D2000; Patented TwinSeal® dual o-ring design incorporating both hydrostatic and mechanical forces to affect a dynamic seal.

STRAP WIDTH: 2”.



Nominal Pipe Size		Clamp OD Range			outlet size	Catalog Number	List Price
Inches	MM	Inches	MM				
4	100	4.35 - 5.65	111 - 114	A	3/4 CC	342204A075TB-PE	\$ 279.60
					3/4 NPT	342204A075TC-PE	
					1 CC	342204A100TD-PE	
					1 NPT	342204A100TE-PE	
					1 1/4 CC	342204A125TF-PE	\$ 310.50
					1 1/4 NPT	342204A125TG-PE	
					1 1/2 CC	342204A150TH-PE	
					1 1/2 NPT	342204A150TI-PE	
					2 NPT	342204A200TJ-PE	
					2 CC	342204A200TK-PE	N/A
5	125	5.40 - 6.40	137 - 163	A	3/4 CC	342205A075TB-PE	\$ 283.00
					3/4 NPT	342205A075TC-PE	
					1 CC	342205A100TD-PE	
					1 NPT	342205A100TE-PE	
					1 1/4 CC	342205A125TF-PE	\$ 314.90
					1 1/4 NPT	342205A125TG-PE	
					1 1/2 CC	342205A150TH-PE	
					1 1/2 NPT	342205A150TI-PE	
					2 NPT	342205A200TJ-PE	
					2 CC	342205A200TK-PE	\$ 338.40
6	150	6.45 - 7.75	164 - 197	A	3/4 CC	342206A075TB-PE	\$ 290.10
					3/4 NPT	342206A075TC-PE	
					1 CC	342206A100TD-PE	
					1 NPT	342206A100TE-PE	
					1 1/4 CC	342206A125TF-PE	\$ 322.40
					1 1/4 NPT	342206A125TG-PE	
					1 1/2 CC	342206A150TH-PE	
					1 1/2 NPT	342206A150TI-PE	
					2 NPT	342206A200TJ-PE	
					2 CC	342206A200TK-PE	\$ 346.40

3422AS-PE DOUBLE STRAP ALL STAINLESS SADDLE “WIDE RANGE”

Nominal Pipe Size		Clamp OD Range			outlet size	Catalog Number	List Price
Inches	MM	Inches	MM				
8	200	8.50 - 9.80	216 - 249	A	3/4 CC	342208A075TB-PE	\$ 296.10
					3/4 NPT	342208A075TC-PE	
					1 CC	342208A100TD-PE	
					1 NPT	342208A100TE-PE	
					1 1/4 CC	342208A125TF-PE	\$ 329.00
					1 1/4 NPT	342208A125TG-PE	
					1 1/2 CC	342208A150TH-PE	
					1 1/2 NPT	342208A150TI-PE	
					2 NPT	342208A200TJ-PE	\$ 354.10
					2 CC	342208A200TK-PE	
10	250	10.25 - 11.55	260 - 292	A	3/4 CC	342210A075TB-PE	\$ 310.90
					3/4 NPT	342210A075TC-PE	
					1 CC	342210A100TD-PE	
					1 NPT	342210A100TE-PE	
					1 1/4 CC	342210A125TF-PE	\$ 345.40
					1 1/4 NPT	342210A125TG-PE	
					1 1/2 CC	342210A150TH-PE	
					1 1/2 NPT	342210A150TI-PE	
		10.95 - 12.35	278 - 314	B	2 NPT	342210A200TJ-PE	\$ 371.50
					2 CC	342210A200TK-PE	
					3/4 CC	342210B075TB-PE	\$ 310.90
					3/4 NPT	342210B075TC-PE	
					1 CC	342210B100TD-PE	
					1 NPT	342210B100TE-PE	
					1 1/4 CC	342210B125TF-PE	\$ 345.40
					1 1/4 NPT	342210B125TG-PE	
					1 1/2 CC	342210B150TH-PE	
					1 1/2 NPT	342210B150TI-PE	
					2 CC	342210B200TJ-PE	\$ 371.50
					2 NPT	342210B200TK-PE	
12	300	12.30 - 13.60	312 - 345	A	3/4 CC	342212A075TB-PE	\$ 319.00
					3/4 NPT	342212A075TC-PE	
					1 CC	342212A100TD-PE	
					1 NPT	342212A100TE-PE	
					1 1/4 CC	342212A125TF-PE	\$ 354.40
					1 1/4 NPT	342212A125TG-PE	
					1 1/2 CC	342212A150TH-PE	
					1 1/2 NPT	342212A150TI-PE	
					2 NPT	342212A200TJ-PE	\$ 381.00
					2 CC	342212A200TK-PE	

3422AS-PE DOUBLE STRAP ALL STAINLESS SADDLE “WIDE RANGE”

Nominal Pipe Size		Clamp OD Range			outlet size	Catalog Number	List Price
Inches	MM	Inches	MM				
12	300	13.14 - 14.44	334 - 367	B	3/4 CC	342212B075TB-PE	\$ 319.00
					3/4 NPT	342212B075TC-PE	
					1 CC	342212B100TD-PE	
					1 NPT	342212B100TE-PE	
					1 1/4 CC	342212B125TF-PE	\$ 354.40
					1 1/4 NPT	342212B125TG-PE	
					1 1/2 CC	342212B150TH-PE	
					1 1/2 NPT	342212B150TI-PE	
					2 NPT	342212B200TJ-PE	\$ 381.00
					2 CC	342212B200TK-PE	
14	350	14.00 - 15.30	356 - 389	A	3/4 CC	342214A075TB-PE	\$ 358.90
					3/4 NPT	342214A075TC-PE	
					1 CC	342214A100TD-PE	
					1 NPT	342214A100TE-PE	
					1 1/4 CC	342214A125TF-PE	\$ 398.60
					1 1/4 NPT	342214A125TG-PE	
					1 1/2 CC	342214A150TH-PE	
					1 1/2 NPT	342214A150TI-PE	
		15.40 - 16.70	391 - 424	B	2 NPT	342214A200TJ-PE	\$ 428.90
					2 CC	342214A200TK-PE	
					3/4 CC	342214B075TB-PE	\$ 358.90
					3/4 NPT	342214B075TC-PE	
					1 CC	342214B100TD-PE	
					1 NPT	342214B100TE-PE	
					1 1/4 CC	342214B125TF-PE	\$ 398.60
					1 1/4 NPT	342214B125TG-PE	
					1 1/2 CC	342214B150TH-PE	
					1 1/2 NPT	342214B150TI-PE	
					2 NPT	342214B200TJ-PE	\$ 428.90
					2 CC	342214B200TK-PE	
16	400	16.20 - 17.50	412 - 445	A	3/4 CC	342216A075TB-PE	\$ 365.90
					3/4 NPT	342216A075TC-PE	
					1 CC	342216A100TD-PE	
					1 NPT	342216A100TE-PE	
					1 1/4 CC	342216A125TF-PE	\$ 406.50
					1 1/4 NPT	342216A125TG-PE	
					1 1/2 CC	342216A150TH-PE	
					1 1/2 NPT	342216A150TI-PE	
					2 NPT	342216A200TJ-PE	\$ 437.10
					2 CC	342216A200TK-PE	

3422AS-PE DOUBLE STRAP ALL STAINLESS SADDLE “WIDE RANGE”

Nominal Pipe Size		Clamp OD Range			outlet size	Catalog Number	List Price
Inches	MM	Inches	MM				
16	400	17.90 - 19.20	455 - 488	B	3/4 CC	342216B075TB-PE	\$ 365.90
					3/4 NPT	342216B075TC-PE	
					1 CC	342216B100TD-PE	
					1 NPT	342216B100TE-PE	
					1 1/4 CC	342216B125TF-PE	\$ 406.50
					1 1/4 NPT	342216B125TG-PE	
					1 1/2 CC	342216A150TH-PE	
					1 1/2 NPT	342216B150TI-PE	
					2 NPT	342216B200TJ-PE	\$ 437.60
					2 CC	342216B200TK-PE	
18	450	19.20 - 20.40	488 - 518	A	3/4 CC	342218A075TB-PE	\$ 393.50
					3/4 NPT	342218A075TC-PE	
					1 CC	342218A100TD-PE	
					1 NPT	342218A100TE-PE	
					1 1/4 CC	342218A125TF-PE	\$ 437.60
					1 1/4 NPT	342218A125TG-PE	
					1 1/2 CC	342218A150TH-PE	
					1 1/2 NPT	342218A150TI-PE	
					2 NPT	342218A200TJ-PE	\$ 470.60
					2 CC	342218A200TK-PE	
20	500	21.50 - 22.80	546 - 579	A	3/4 CC	342220A075TB-PE	\$ 401.50
					3/4 NPT	342220A075TC-PE	
					1 CC	342220A100TD-PE	
					1 NPT	342220A100TE-PE	
					1 1/4 CC	342220A125TF-PE	\$ 446.13
					1 1/4 NPT	342220A125TG-PE	
					1 1/2 CC	342220A150TH-PE	
					1 1/2 NPT	342220A150TI-PE	
					2 NPT	342220A200TJ-PE	\$ 470.63
					2 CC	342220A200TK-PE	
24	600	25.70 - 27.00	653 - 686	A	3/4 CC	342224A075TB-PE	\$ 401.50
					3/4 NPT	342224A075TC-PE	
					1 CC	342224A100TD-PE	
					1 NPT	342224A100TE-PE	
					1 1/4 CC	342224A125TF-PE	\$ 446.13
					1 1/4 NPT	342224A125TG-PE	
					1 1/2 CC	342224A150TH-PE	
					1 1/2 NPT	342224A150TI-PE	
					2 NPT	342224A200TJ-PE	\$ 470.63
					2 CC	342224A200TK-PE	

HOW TO ORDER: Choose nominal pipe sizes x outlet size and thread configuration. EXAMPLE: 12" HDPE pipe 13.20" OD with a 1" CC tap. Order 3422AS-PE 12A x 1CC. **Part Number:** 342212A100TD-PE .

NOTE: Other ranges, tap sizes available upon request.

3480AS / 3480CS SS-PE TAP SLEEVE W/ FLANGE OUTLET

FLANGE: Type 304 (18-8) Stainless Steel or A36 Carbon Steel per AWWA C207.

PANEL: Type 304 (18-8) Stainless Steel per ASTM A240.

SHELL GASKET: SBR per ASTM D2000 Chek-O-Seal with multi o-ring sealing ribs from 100% new rubber to ensure performance under varying pressures with superior storage characteristics. Suitable for mild acids, water and salt media with a temperature range of -25°F to +200°F per ASTM D2000. Other materials available.

BRANCH GASKET: NBR per ASTM D2000 with Hydro TwinSeal® dual o-ring design incorporating both hydrostatic and mechanical forces to affect a dynamic seal.

BOLTS & NUTS : Type 304 (18-8) Stainless Steel per ASTM A193 and A194.

NOTE: Hex nuts are furnished with fusion bonded coating to prevent seizing and galling.

WASHERS: Stainless Steel per ASTM A240, type 304. Special spring type.



Nominal Pipe Size		Pipe OD Range			BY	Branch Size		Stainless Steel Flange		Carbon Steel Flange	
Inches	MM	Inches	MM			Inches	mm.	Catalog Number	List Price	Catalog Number	List Price
4	100	A	4.50-4.70	114-119	X	2	50	348004A020AS-PE	\$ 1,522.00	348004A020CS-PE	\$ 1,472.00
		B	4.70-4.90	119-124				348004B020AS-PE		348004B020CS-PE	
		C	4.80-5.00	112-127				348004C020AS-PE		348004C020CS-PE	
4	100	A	4.50-4.70	114-119	X	3	80	348004A030AS-PE	\$ 1,522.00	348004A030CS-PE	\$ 1,472.00
		B	4.70-4.90	119-124				348004B030AS-PE		348004B030CS-PE	
		C	4.80-5.00	112-127				348004C030AS-PE		348004C030CS-PE	
4	100	A	4.50-4.70	114-119	X	4	100	348004A040AS-PE	\$ 1,522.00	348004A040CS-PE	\$ 1,472.00
		B	4.70-4.90	119-124				348004B040AS-PE		348004B040CS-PE	
		C	4.80-5.00	112-127				348004C040AS-PE		348004C040CS-PE	
6	150	B	6.60-7.00	168-178	X	2	50	348006B020AS-PE	\$ 1,586.10	348006B020CS-PE	\$ 1,536.10
		C	6.90-7.30	175-185				348006C020AS-PE		348006C020CS-PE	
6	150	B	6.60-7.00	168-178	X	3	80	348006B030AS-PE	\$ 1,586.10	348006B030CS-PE	\$ 1,536.10
		C	6.90-7.30	175-185				348006C030AS-PE		348006C030CS-PE	
6	150	B	6.60-7.00	168-178	X	4	100	348006B040AS-PE	\$ 1,586.10	348006B040CS-PE	\$ 1,536.10
		C	6.90-7.30	175-185				348006C040AS-PE		348006C040CS-PE	
6	150	B	6.60-7.00	168-178	X	6	150	348006B060AS-PE	\$ 1,809.00	348006B060CS-PE	\$ 1,746.50
		C	6.90-7.30	175-185				348006C060AS-PE		348006C060CS-PE	
8	200	B	8.60-9.05	218-230	X	2	50	348008B020AS-PE	\$ 1,642.40	348008B020CS-PE	\$ 1,592.40
		C	9.05-9.45	230-240				348008C020AS-PE		348008C020CS-PE	
8	200	B	8.60-9.05	218-230	X	3	80	348008B030AS-PE	\$ 1,642.40	348008B030CS-PE	\$ 1,592.40
		C	9.05-9.45	230-240				348008C030AS-PE		348008C030CS-PE	
8	200	B	8.60-9.05	218-230	X	4	100	348008B040AS-PE	\$ 1,642.40	348008B040CS-PE	\$ 1,592.40
		C	9.05-9.45	230-240				348008C040AS-PE		348008C040CS-PE	
8	200	B	8.60-9.05	218-230	X	6	150	348008B060AS-PE	\$ 1,826.60	348008B060CS-PE	\$ 1,764.10
		C	9.05-9.45	230-240				348008C060AS-PE		348008C060CS-PE	
8	200	B	8.60-9.05	218-230	X	8	200	348008B080AS-PE	\$ 2,269.40	348008B080CS-PE	\$ 2,194.40
		C	9.05-9.45	230-240				348008C080AS-PE		348008C080CS-PE	

3480AS / 3480CS SS-PE TAP SLEEVE W/ FLANGE OUTLET

Nominal Pipe Size		Pipe OD Range			BY	Branch Size Size		Stainless Steel Flange		Carbon Steel Flange	
Inches	MM		Inches	MM		Inches.	mm.	Catalog Number	List Price	Catalog Number	List Price
10	250	B	10.70-11.10	272-282	X	2	50	348010B020AS-PE	\$ 1,783.60	348010B020CS-PE	\$ 1,733.60
		C	11.10-11.50	282-292				348010C020AS-PE		348010C020CS-PE	
10	250	B	10.70-11.10	272-282	X	3	80	348010B030AS-PE	\$ 1,783.60	348010B030CS-PE	\$ 1,733.60
		C	11.10-11.50	282-292				348010C030AS-PE		348010C030CS-PE	
10	250	B	10.70-11.10	272-282	X	4	100	348010B040AS-PE	\$ 1,783.60	348010B040CS-PE	\$ 1,733.60
		C	11.10-11.50	282-292				348010C040AS-PE		348010C040CS-PE	
10	250	B	10.70-11.10	272-282	X	6	150	348010B060AS-PE	\$ 1,937.10	348010B060CS-PE	\$ 1,874.60
		C	11.10-11.50	282-292				348010C060AS-PE		348010C060CS-PE	
10	250	B	10.70-11.10	272-282	X	8	200	348010B080AS-PE	\$ 2,456.40	348010B080CS-PE	\$ 2,381.40
		C	11.10-11.50	282-292				348010C080AS-PE		348010C080CS-PE	
10	250	B	10.70-11.10	272-282	X	10	250	348010B100AS-PE	\$ 4,070.40	348010B100CS-PE	\$ 3,945.40
		C	11.10-11.50	282-292				348010C100AS-PE		348010C100CS-PE	
12	300	B	12.50-12.90	318-328	X	2	50	348012B020AS-PE	\$ 2,110.40	348012B020CS-PE	\$ 2,060.40
		C	13.20-13.60	335-345				348012C020AS-PE		348012C020CS-PE	
		E	13.90-14.30	355-363				348012E020AS-PE		348012E020CS-PE	
12	300	B	12.50-12.90	318-328	X	3	80	348012B030AS-PE	\$ 2,110.40	348012B030CS-PE	\$ 2,060.40
		C	13.20-13.60	335-345				348012C030AS-PE		348012C030CS-PE	
		E	13.90-14.30	355-363				348012E030AS-PE		348012E030CS-PE	
12	300	B	12.50-12.90	318-328	X	4	100	348012B040AS-PE	\$ 2,110.40	348012B040CS-PE	\$ 2,060.40
		C	13.20-13.60	335-345				348012C040AS-PE		348012C040CS-PE	
		E	13.90-14.30	355-363				348012E040AS-PE		348012E040CS-PE	
12	300	B	12.50-12.90	318-328	X	6	150	348012B060AS-PE	\$ 2,321.60	348012B060CS-PE	\$ 2,259.10
		C	13.20-13.60	335-345				348012C060AS-PE		348012C060CS-PE	
		E	13.90-14.30	355-363				348012E060AS-PE		348012E060CS-PE	
12	300	B	12.50-12.90	318-328	X	8	200	348012B080AS-PE	\$ 2,806.60	348012B080CS-PE	\$ 2,731.60
		C	13.20-13.60	335-345				348012C080AS-PE		348012C080CS-PE	
		E	13.90-14.30	355-363				348012E080AS-PE		348012E080CS-PE	
12	300	B	12.50-12.90	318-328	X	10	250	348012B100AS-PE	\$ 4,420.00	348012B100CS-PE	\$ 4,295.00
		C	13.20-13.60	335-345				348012C100AS-PE		348012C100CS-PE	
		E	13.90-14.30	355-363				348012E100AS-PE		348012E100CS-PE	
12	300	B	12.50-12.90	318-328	X	12	300	348012B120AS-PE	\$ 5,266.60	348012B120CS-PE	\$ 5,104.10
		C	13.20-13.60	335-345				348012C120AS-PE		348012C120CS-PE	
		E	13.90-14.30	355-363				348012E120AS-PE		348012E120CS-PE	
14	350	B	15.30-15.70	389-399	X	2	50	348014B020AS-PE	\$ 2,923.40	348014B020CS-PE	\$ 2,873.40
		C	15.90-16.30	404-414				348014C020AS-PE		348014C020CS-PE	
14	350	B	15.30-15.70	389-399	X	3	80	348014B030AS-PE	\$ 2,923.40	348014B030CS-PE	\$ 2,873.40
		C	15.90-16.30	404-414				348014C030AS-PE		348014C030CS-PE	
14	350	B	15.30-15.70	389-399	X	4	100	348014B040AS-PE	\$ 2,923.40	348014B040CS-PE	\$ 2,873.40
		C	15.90-16.30	404-414				348014C040AS-PE		348014C040CS-PE	
14	350	B	15.30-15.70	389-399	X	6	150	348014B060AS-PE	\$ 3,205.00	348014B060CS-PE	\$ 3,142.50
		C	15.90-16.30	404-414				348014C060AS-PE		348014C060CS-PE	

3480AS / 3480CS SS-PE TAP SLEEVE W/ FLANGE OUTLET

Nominal Pipe Size		Pipe OD Range			BY	Branch Size Size		Stainless Steel Flange		Carbon Steel Flange	
Inches	MM		Inches	MM		Inches.	mm.	Catalog Number	List Price	Catalog Number	List Price
14	350	B	15.30-15.70	389-399	X	8	200	348014B080AS-PE	\$ 4,211.60	348014B080CS-PE	\$ 4,136.60
		C	15.90-16.30	404-414				348014C080AS-PE		348014C080CS-PE	
14	350	B	15.30-15.70	389-399	X	10	250	348014B100AS-PE	\$ 5,701.30	348014B100CS-PE	\$ 5,576.30
		C	15.90-16.30	404-414				348014C100AS-PE		348014C100CS-PE	
14	350	B	15.30-15.70	389-399	X	12	300	348014B120AS-PE	\$ 6,753.40	348014B120CS-PE	\$ 6,590.90
		C	15.90-16.30	404-414				348014C120AS-PE		348014C120CS-PE	
16	400	B	17.40-17.80	442-452	X	2	50	348016B020AS-PE	\$ 3,375.00	348016B020CS-PE	\$ 3,325.00
		C	17.70-18.10	450-460				348016C020AS-PE		348016C020CS-PE	
16	400	B	17.40-17.80	442-452	X	3	80	348016B030AS-PE	\$ 3,375.00	348016B030CS-PE	\$ 3,325.00
		C	17.70-18.10	450-460				348016C030AS-PE		348016C030CS-PE	
16	400	B	17.40-17.80	442-452	X	4	100	348016B040AS-PE	\$ 3,375.00	348016B040CS-PE	\$ 3,325.00
		C	17.70-18.10	450-460				348016C040AS-PE		348016C040CS-PE	
16	400	B	17.40-17.80	442-452	X	6	150	348016B060AS-PE	\$ 3,656.60	348016B060CS-PE	\$ 3,594.10
		C	17.70-18.10	450-460				348016C060AS-PE		348016C060CS-PE	
16	400	B	17.40-17.80	442-452	X	8	200	348016B080AS-PE	\$ 4,356.60	348016B080CS-PE	\$ 4,281.60
		C	17.70-18.10	450-460				348016C080AS-PE		348016C080CS-PE	
16	400	B	17.40-17.80	442-452	X	10	250	348016B100AS-PE	\$ 6,050.00	348016B100CS-PE	\$ 5,925.00
		C	17.70-18.10	450-460				348016C100AS-PE		348016C100CS-PE	
16	400	B	17.40-17.80	442-452	X	12	300	348016B120AS-PE	\$ 6,936.60	348016B120CS-PE	\$ 6,436.60
		C	17.70-18.10	450-460				348016C120AS-PE		348016C120CS-PE	
18	450	C	19.30-19.70	490-500	X	2	50	348018C020AS-PE	\$ 3,445.00	348018C020CS-PE	\$ 3,395.00
		D	19.80-20.20	503-513				348018D020AS-PE		348018D020CS-PE	
18	450	C	19.30-19.70	490-500	X	3	80	348018C030AS-PE	\$ 3,445.00	348018C030CS-PE	\$ 3,395.00
		D	19.80-20.20	503-513				348018D030AS-PE		348018D030CS-PE	
18	450	C	19.30-19.70	490-500	X	4	100	348018C040AS-PE	\$ 3,445.00	348018C040CS-PE	\$ 3,395.00
		D	19.80-20.20	503-513				348018D040AS-PE		348018D040CS-PE	
18	450	C	19.30-19.70	490-500	X	6	150	348018C060AS-PE	\$ 3,728.40	348018C060CS-PE	\$ 3,665.90
		D	19.80-20.20	503-513				348018D060AS-PE		348018D060CS-PE	
18	450	C	19.30-19.70	490-500	X	8	200	348018C080AS-PE	\$ 4,483.40	348018C080CS-PE	\$ 4,407.50
		D	19.80-20.20	503-513				348018D080AS-PE		348018D080CS-PE	
18	450	C	19.30-19.70	490-500	X	10	250	348018C100AS-PE	\$ 6,195.00	348018C100CS-PE	\$ 6,070.00
		D	19.80-20.20	503-513				348018D100AS-PE		348018D100CS-PE	
18	450	C	19.30-19.70	490-500	X	12	300	348018C120AS-PE	\$ 7,081.60	348018C120CS-PE	\$ 6,919.10
		D	19.80-20.20	503-513				348018D120AS-PE		348018D120CS-PE	
20	500	A	21.40-21.80	544-554	X	2	50	348020A020AS-PE	\$ 3,953.40	348020A020CS-PE	\$ 3,903.40
		B	21.90-22.30	556-566				348020B020AS-PE		348020B020CS-PE	
20	500	A	21.40-21.80	544-554	X	3	80	348020A030AS-PE	\$ 3,953.40	348020A030CS-PE	\$ 3,903.40
		B	21.90-22.30	556-566				348020B030AS-PE		348020B030CS-PE	
20	500	A	21.40-21.80	544-554	X	4	100	348020A040AS-PE	\$ 3,953.40	348020A040CS-PE	\$ 3,903.40
		B	21.90-22.30	556-566				348020B040AS-PE		348020B040CS-PE	
20	500	A	21.40-21.80	544-554	X	6	150	348020A060AS-PE	\$ 422.50	348020A060CS-PE	\$ 4,110.00
		B	21.90-22.30	556-566				348020B060AS-PE		348020B060CS-PE	

3480AS / 3480CS SS-PE TAP SLEEVE W/ FLANGE OUTLET

Nominal Pipe Size			Pipe OD Range		BY	Branch Size Size		Stainless Steel Flange		Carbon Steel Flange	
Inches	MM		Inches	MM		Inches.	mm.	Catalog Number	List Price	Catalog Number	List Price
20	500	A	21.40-21.80	544-554	X	8	200	348020A080AS-PE	\$ 5,175.00	348020A080CS-PE	\$ 5,100.00
		B	21.90-22.30	556-566				348020B080AS-PE		348020B080CS-PE	
20	500	A	21.40-21.80	544-554	X	10	250	348020A100AS-PE	\$ 7,006.60	348020A100CS-PE	\$ 6,881.60
		B	21.90-22.30	556-566				348020B100AS-PE		348020B100CS-PE	
20	500	A	21.40-21.80	544-554	X	12	300	348020A120AS-PE	\$ 7,893.40	348020A120CS-PE	\$ 7,730.90
		B	21.90-22.30	556-566				348020B120AS-PE		348020B120CS-PE	
24	600	A	25.60-26.00	650-660	X	2	50	348024A020AS-PE	\$ 4,143.40	348024A020CS-PE	\$ 4,093.40
24	600	A	25.60-26.00	650-660	X	3	80	348024A030AS-PE	\$ 4,143.40	348024A030CS-PE	\$ 4,093.40
24	600	A	25.60-26.00	650-660	X	4	100	348024A040AS-PE	\$ 4,143.40	348024A040CS-PE	\$ 4,093.40
24	600	A	25.60-26.00	650-660	X	6	150	348024A060AS-PE	\$ 4,425.00	348024A060CS-PE	\$ 4,362.50
24	600	A	25.60-26.00	650-660	X	8	200	348024A080AS-PE	\$ 5,386.60	348024A080CS-PE	\$ 5,311.60
24	600	A	25.60-26.00	650-660	X	10	250	348024A100AS-PE	\$ 7,236.60	348024A100CS-PE	\$ 7,111.60
24	600	A	25.60-26.00	650-660	X	12	300	348024A120AS-PE	\$ 8,130.00	348024A120CS-PE	\$ 7,967.50

HOW TO ORDER: Choose the Pipe Size Letter Code corresponding to a Pipe OD Range that covers the Pipe OD to be tapped and then specify the desired branch size. **EXAMPLE:** 12" HDPE pipe O.D. 13.20" with 8" Branch. Order 3480AS-PE or 3480CS-PE -12C x 8. **Part Number:** 348012C080CS-PE .

NOTE: Other ranges, tap sizes available upon request.

3480MJ-PE / 3480MJCS-PE TAP SLEEVE W/ MECHANICAL JOINT OUTLET

MJ OUTLET: Type 304 (18-8) Stainless Steel per ASTM A743 and ANSI/AWWA C111 or Carbon Steel.

PANEL: Type 304 (18-8) Stainless Steel per ASTM A240.

SHELL GASKET: SBR per ASTM D2000 Chek-O-Seal with multi o-ring sealing ribs from 100% new rubber to ensure performance under varying pressures with superior storage characteristics. Suitable for mild acids, water and salt media with a temperature range of -25°F to +200°F per ASTM D2000. Other materials available.

BRANCH GASKET: NBR per ASTM D2000 with Hydro TwinSeal® dual o-ring design incorporating both hydrostatic and mechanical forces to affect a dynamic seal.

BOLTS & NUTS : Type 304 (18-8) Stainless Steel per ASTM A193 and A194.

NOTE: Hex nuts are furnished with fusion bonded coating to prevent seizing and galling.

WASHERS: Stainless Steel per ASTM A240, type 304. Special spring type.



Nominal Pipe Size		Pipe OD Range			BY	Branch Size Size		Stainless Steel Flange		Carbon Steel Flange	
Inches	MM	Inches	MM			Inches.	mm.	Catalog Number	List Price	Catalog Number	List Price
4	100	A	4.50-4.70	114-119	X	2	50	348004A020MJ-PE	\$ 1,547.00	348004A020MJ-CSPE	\$ 1,484.50
		B	4.70-4.90	119-124				348004B020MJ-PE		348004B020MJ-CSPE	
		C	4.80-5.00	112-127				348004C020MJ-PE		348004C020MJ-CSPE	
4	100	A	4.50-4.70	114-119	X	3	80	348004A030MJ-PE	\$ 1,547.00	348004A030MJ-CSPE	\$ 1,484.50
		B	4.70-4.90	119-124				348004B030MJ-PE		348004B030MJ-CSPE	
		C	4.80-5.00	112-127				348004C030MJ-PE		348004C030MJ-CSPE	
4	100	A	4.50-4.70	114-119	X	4	100	348004A040MJ-PE	\$ 1,547.00	348004A040MJ-CSPE	\$ 1,484.50
		B	4.70-4.90	119-124				348004B040MJ-PE		348004B040MJ-CSPE	
		C	4.80-5.00	112-127				348004C040MJ-PE		348004C040MJ-CSPE	
6	150	B	6.60-7.00	168-178	X	2	50	348006B020MJ-PE	\$ 1,611.10	348006B020MJ-CSPE	\$ 1,548.60
		C	6.90-7.30	175-185				348006C020MJ-PE		348006C020MJ-CSPE	
6	150	B	6.60-7.00	168-178	X	3	80	348006B030MJ-PE	\$ 1,611.10	348006B030MJ-CSPE	\$ 1,548.60
		C	6.90-7.30	175-185				348006C030MJ-PE		348006C030MJ-CSPE	
6	150	B	6.60-7.00	168-178	X	4	100	348006B040MJ-PE	\$ 1,611.10	348006B040MJ-CSPE	\$ 1,548.60
		C	6.90-7.30	175-185				348006C040MJ-PE		348006C040MJ-CSPE	
6	150	B	6.60-7.00	168-178	X	6	150	348006B060MJ-PE	\$ 1,871.50	348006B060MJ-CSPE	\$ 1,796.50
		C	6.90-7.30	175-185				348006C060MJ-PE		348006C060MJ-CSPE	
8	200	B	8.60-9.05	218-230	X	2	50	348008B020MJ-PE	\$ 1,667.40	348008B020MJ-CSPE	\$ 1,604.90
		C	9.05-9.45	230-240				348008C020MJ-PE		348008C020MJ-CSPE	
8	200	B	8.60-9.05	218-230	X	3	80	348008B030MJ-PE	\$ 1,667.40	348008B030MJ-CSPE	\$ 1,604.90
		C	9.05-9.45	230-240				348008C030MJ-PE		348008C030MJ-CSPE	
8	200	B	8.60-9.05	218-230	X	4	100	348008B040MJ-PE	\$ 1,667.40	348008B040MJ-CSPE	\$ 1,604.90
		C	9.05-9.45	230-240				348008C040MJ-PE		348008C040MJ-CSPE	
8	200	B	8.60-9.05	218-230	X	6	150	348008B060MJ-PE	\$ 1,889.10	348008B060MJ-CSPE	\$ 1,814.10
		C	9.05-9.45	230-240				348008C060MJ-PE		348008C060MJ-CSPE	
8	200	B	8.60-9.05	218-230	X	8	200	348008B080MJ-PE	\$ 2,356.90	348008B080MJ-CSPE	\$ 2,231.90
		C	9.05-9.45	230-240				348008C080MJ-PE		348008C080MJ-CSPE	

3480MJ-PE / 3480MJCS-PE TAP SLEEVE W/ MECHANICAL JOINT OUTLET

Nominal Pipe Size		Pipe OD Range			BY	Branch Size		Stainless Steel Flange		Carbon Steel Flange	
Inches	MM		Inches	MM		Inches.	mm.	Catalog Number	List Price	Catalog Number	List Price
10	250	B	10.70-11.10	272-282	X	2	50	348010B020MJ-PE	\$ 1,808.60	348010B020MJ-CSPE	\$ 1,746.10
		C	11.10-11.50	282-292				348010C020MJ-PE		348010C020MJ-CSPE	
10	250	B	10.70-11.10	272-282	X	3	80	348010B030MJ-PE	\$ 1,808.60	348010B030MJ-CSPE	\$ 1,746.10
		C	11.10-11.50	282-292				348010C030MJ-PE		348010C030MJ-CSPE	
10	250	B	10.70-11.10	272-282	X	4	100	348010B040MJ-PE	\$ 1,808.60	348010B040MJ-CSPE	\$ 1,746.10
		C	11.10-11.50	282-292				348010C040MJ-PE		348010C040MJ-CSPE	
10	250	B	10.70-11.10	272-282	X	6	150	348010B060MJ-PE	\$ 1,999.60	348010B060MJ-CSPE	\$ 1,924.60
		C	11.10-11.50	282-292				348010C060MJ-PE		348010C060MJ-CSPE	
10	250	B	10.70-11.10	272-282	X	8	200	348010B080MJ-PE	\$ 2,543.90	348010B080MJ-CSPE	\$ 2,418.90
		C	11.10-11.50	282-292				348010C080MJ-PE		348010C080MJ-CSPE	
10	250	B	10.70-11.10	272-282	X	10	250	348010B100MJ-PE	\$ 4,182.90	348010B100MJ-CSPE	\$ 4,007.90
		C	11.10-11.50	282-292				348010C100MJ-PE		348010C100MJ-CSPE	
12	300	B	12.50-12.90	318-328	X	2	50	348012B020MJ-PE	\$ 2,135.40	348012B020MJ-CSPE	\$ 2,072.90
		C	13.20-13.60	335-345				348012C020MJ-PE		348012C020MJ-CSPE	
		E	13.90-14.30	355-363				348012E020MJ-PE		348012E020MJ-CSPE	
12	300	B	12.50-12.90	318-328	X	3	80	348012B030MJ-PE	\$ 2,135.40	348012B030MJ-CSPE	\$ 2,072.90
		C	13.20-13.60	335-345				348012C030MJ-PE		348012C030MJ-CSPE	
		E	13.90-14.30	355-363				348012E030MJ-PE		348012E030MJ-CSPE	
12	300	B	12.50-12.90	318-328	X	4	100	348012B040MJ-PE	\$ 2,135.40	348012B040MJ-CSPE	\$ 2,072.90
		C	13.20-13.60	335-345				348012C040MJ-PE		348012C040MJ-CSPE	
		E	13.90-14.30	355-363				348012E040MJ-PE		348012E040MJ-CSPE	
12	300	B	12.50-12.90	318-328	X	6	150	348012B060MJ-PE	\$ 2,384.10	348012B060MJ-CSPE	\$ 2,309.10
		C	13.20-13.60	335-345				348012C060MJ-PE		348012C060MJ-CSPE	
		E	13.90-14.30	355-363				348012E060MJ-PE		348012E060MJ-CSPE	
12	300	B	12.50-12.90	318-328	X	8	200	348012B080MJ-PE	\$ 2,894.10	348012B080MJ-CSPE	\$ 2,769.10
		C	13.20-13.60	335-345				348012C080MJ-PE		348012C080MJ-CSPE	
		E	13.90-14.30	355-363				348012E080MJ-PE		348012E080MJ-CSPE	
12	300	B	12.50-12.90	318-328	X	10	250	348012B100MJ-PE	\$ 4,282.50	348012B100MJ-CSPE	\$ 4,107.50
		C	13.20-13.60	335-345				34802C100MJ-PE		348012C100MJ-CSPE	
		E	13.90-14.30	355-363				348012E100MJ-PE		348012E100MJ-CSPE	
12	300	B	12.50-12.90	318-328	X	12	300	348012B120MJ-PE	\$ 5,391.60	348012B120MJ-CSPE	\$ 5,179.10
		C	13.20-13.60	335-345				348012C120MJ-PE		348012C120MJ-CSPE	
		E	13.90-14.30	355-363				348012E120MJ-PE		348012E120MJ-CSPE	
14	350	B	15.30-15.70	389-399	X	2	50	348014B020MJ-PE	\$ 2,948.40	348014B020MJ-CSPE	\$ 2,885.10
		C	15.90-16.30	404-414				348014C020MJ-PE		348014C020MJ-CSPE	
14	350	B	15.30-15.70	389-399	X	3	80	348014B030MJ-PE	\$ 2,948.40	348014B030MJ-CSPE	\$ 2,885.10
		C	15.90-16.30	404-414				348014C030MJ-PE		348014C030MJ-CSPE	
14	350	B	15.30-15.70	389-399	X	4	100	348014B040MJ-PE	\$ 2,948.40	348014B040MJ-CSPE	\$ 2,885.10
		C	15.90-16.30	404-414				348014C040MJ-PE		348014C040MJ-CSPE	
14	350	B	15.30-15.70	389-399	X	6	150	348014B060MJ-PE	\$ 3,267.50	348014B060MJ-CSPE	\$ 3,192.50
		C	15.90-16.30	404-414				348014C060MJ-PE		348014C060MJ-CSPE	

3480MJ-PE / 3480MJCS-PE TAP SLEEVE W/ MECHANICAL JOINT OUTLET

Nominal Pipe Size		Pipe OD Range			BY	Branch Size		Stainless Steel Flange		Carbon Steel Flange	
Inches	MM	Inches	MM			Inches.	mm.	Catalog Number	List Price	Catalog Number	List Price
14	350	B	15.30-15.70	389-399	X	8	200	348014B080MJ-PE	\$ 4,299.10	348014B080MJ-CSPE	\$ 4,174.10
		C	15.90-16.30	404-414				348014C080MJ-PE		348014C080MJ-CSPE	
14	350	B	15.30-15.70	389-399	X	10	250	348014B100MJ-PE	\$ 5,813.80	348014B100MJ-CSPE	\$ 5,638.80
		C	15.90-16.30	404-414				348014C100MJ-PE		348014C100MJ-CSPE	
14	350	B	15.30-15.70	389-399	X	12	300	348014B120MJ-PE	\$ 6,878.40	348014B120MJ-CSPE	\$ 6,665.90
		C	15.90-16.30	404-414				348014C120MJ-PE		348014C120MJ-CSPE	
16	400	B	17.40-17.80	442-452	X	2	50	348016B020MJ-PE	\$ 3,400.00	348016B020MJ-CSPE	\$ 3,337.50
		C	17.70-18.10	450-460				348016C020MJ-PE		348016C020MJ-CSPE	
16	400	B	17.40-17.80	442-452	X	3	80	348016B030MJ-PE	\$ 3,400.00	348016B030MJ-CSPE	\$ 3,337.50
		C	17.70-18.10	450-460				348016C030MJ-PE		348016C030MJ-CSPE	
16	400	B	17.40-17.80	442-452	X	4	100	348016B040MJ-PE	\$ 3,400.00	348016B040MJ-CSPE	\$ 3,337.50
		C	17.70-18.10	450-460				348016C040MJ-PE		348016C040MJ-CSPE	
16	400	B	17.40-17.80	442-452	X	6	150	348016B060MJ-PE	\$ 3,719.10	348016B060MJ-CSPE	\$ 3,644.10
		C	17.70-18.10	450-460				348016C060MJ-PE		348016C060MJ-CSPE	
16	400	B	17.40-17.80	442-452	X	8	200	348016B080MJ-PE	\$ 4,444.10	348016B080MJ-CSPE	\$ 4,319.10
		C	17.70-18.10	450-460				348016C080MJ-PE		348016C080MJ-CSPE	
16	400	B	17.40-17.80	442-452	X	10	250	348016B100MJ-PE	\$ 6,162.50	348016B100MJ-CSPE	\$ 5,991.30
		C	17.70-18.10	450-460				348016C100MJ-PE		348016C100MJ-CSPE	
16	400	B	17.40-17.80	442-452	X	12	300	348016B120MJ-PE	\$ 7,061.60	348016B120MJ-CSPE	\$ 6,849.10
		C	17.70-18.10	450-460				348016C120MJ-PE		348016C120MJ-CSPE	
18	450	C	19.30-19.70	490-500	X	2	50	348018C020MJ-PE	\$ 3,470.00	348018C020MJ-CSPE	\$ 3,407.50
		D	19.80-20.20	503-513				348018D020MJ-PE		348018D020MJ-CSPE	
18	450	C	19.30-19.70	490-500	X	3	80	348018C030MJ-PE	\$ 3,470.00	348018C030MJ-CSPE	\$ 3,407.50
		D	19.80-20.20	503-513				348018D030MJ-PE		348018D030MJ-CSPE	
18	450	C	19.30-19.70	490-500	X	4	100	348018C040MJ-PE	\$ 3,470.00	348018C040MJ-CSPE	\$ 3,407.50
		D	19.80-20.20	503-513				348018D040MJ-PE		348018D040MJ-CSPE	
18	450	C	19.30-19.70	490-500	X	6	150	348018C060MJ-PE	\$ 3,790.00	348018C060MJ-CSPE	\$ 3,715.90
		D	19.80-20.20	503-513				348018D060MJ-PE		348018D060MJ-CSPE	
18	450	C	19.30-19.70	490-500	X	8	200	348018C080MJ-PE	\$ 4,570.90	348018C080MJ-CSPE	\$ 4,445.90
		D	19.80-20.20	503-513				348018D080MJ-PE		348018D080MJ-CSPE	
18	450	C	19.30-19.70	490-500	X	10	250	348018C100MJ-PE	\$ 6,307.50	348018C100MJ-CSPE	\$ 6,132.50
		D	19.80-20.20	503-513				348018D100MJ-PE		348018D100MJ-CSPE	
18	450	C	19.30-19.70	490-500	X	12	300	348018C120MJ-PE	\$ 7,206.60	348018C120MJ-CSPE	\$ 6,994.10
		D	19.80-20.20	503-513				348018D120MJ-PE		348018D120MJ-CSPE	
20	500	A	21.40-21.80	544-554	X	2	50	348020A020MJ-PE	\$ 3,978.40	348020A020MJ-CSPE	\$ 3,915.90
		B	21.90-22.30	556-566				348020B020MJ-PE		348020B020MJ-CSPE	
20	500	A	21.40-21.80	544-554	X	3	80	348020A030MJ-PE	\$ 3,978.40	348020A030MJ-CSPE	\$ 3,915.90
		B	21.90-22.30	556-566				348020B030MJ-PE		348020B030MJ-CSPE	
20	500	A	21.40-21.80	544-554	X	4	100	348020A040MJ-PE	\$ 3,978.40	348020A040MJ-CSPE	\$ 3,915.90
		B	21.90-22.30	556-566				348020B040MJ-PE		348020B040MJ-CSPE	
20	500	A	21.40-21.80	544-554	X	6	150	348020A060MJ-PE	\$ 4,235.00	348020A060MJ-CSPE	\$ 4,160.00
		B	21.90-22.30	556-566				348020B060MJ-PE		348020B060MJ-CSPE	

3480MJ-PE / 3480MJCS-PE TAP SLEEVE W/ MECHANICAL JOINT OUTLET

Nominal Pipe Size		Pipe OD Range			BY	Branch Size Size		Stainless Steel Flange		Carbon Steel Flange	
Inches	MM		Inches	MM		Inches.	mm.	Catalog Number	List Price	Catalog Number	List Price
20	500	A	21.40-21.80	544-554	X	8	200	348020A080MJ-PE	\$ 5,262.50	348020A080MJ-CSPE	\$ 5,137.50
		B	21.90-22.30	556-566				348020B080MJ-PE		348020B080MJ-CSPE	
20	500	A	21.40-21.80	544-554	X	10	250	348020A100MJ-PE	\$ 7,119.10	348020A100MJ-CSPE	\$ 6,944.10
		B	21.90-22.30	556-566				348020B100MJ-PE		348020B100MJ-CSPE	
20	500	A	21.40-21.80	544-554	X	12	300	348020A120MJ-PE	\$ 8,018.40	348020A120MJ-CSPE	\$ 7,805.90
		B	21.90-22.30	556-566				348020B120MJ-PE		348020B120MJ-CSPE	
24	600	A	25.60-26.00	650-660	X	2	50	384024A020MJ-PE	\$ 4,168.40	348024A020MJ-CSPE	\$ 4,105.90
24	600	A	25.60-26.00	650-660	X	3	80	348024A030MJ-PE	\$ 4,168.40	348024A030MJ-CSPE	\$ 4,105.90
24	600	A	25.60-26.00	650-660	X	4	100	348024A040MJ-PE	\$ 4,168.40	348024A040MJ-CSPE	\$ 4,105.90
24	600	A	25.60-26.00	650-660	X	6	150	348024A060MJ-PE	\$ 4,487.50	348024A060MJ-CSPE	\$ 4,412.50
24	600	A	25.60-26.00	650-660	X	8	200	348024A080MJ-PE	\$ 5,474.10	348024A080MJ-CSPE	\$ 5,349.10
24	600	A	25.60-26.00	650-660	X	10	250	348024A100MJ-PE	\$ 7,349.10	348024A100MJ-CSPE	\$ 7,174.10
24	600	A	25.60-26.00	650-660	X	12	300	348024A120MJ-PE	\$ 8,255.00	348024A120MJ-CSPE	\$ 8,042.50

HOW TO ORDER: HOW TO ORDER: Choose the Pipe Size Letter Code corresponding to a Pipe OD Range that covers the Pipe OD to be tapped and then specify the desired branch size. EXAMPLE: 16" HDPE pipe O.D. 17.40" with 8 inch MJ Branch. Order 3480ASMJ-PE -16B x 8. **Part Number:** 348016B080MJ-PE .

NOTE: Other ranges, tap sizes available upon request.

*Manufactured under U.S. Patent 6,227,234.

3490AS-PE / 3490CS-PE TAP SLEEVE W/ FLANGE OUTLET

FLANGE: Type 304 (18-8) Stainless Steel or A36 Carbon Steel per AWWA C207.

PANEL: Type 304 (18-8) Stainless Steel per ASTM A240.

SHELL GASKET: SBR per ASTM D2000 Chek-O-Seal with multi o-ring sealing ribs from 100% new rubber to ensure performance under varying pressures with superior storage characteristics. Suitable for mild acids, water and salt media with a temperature range of -25°F to +200°F per ASTM D2000. Other materials available.

SHELL GASKET: SBR per ASTM D2000 Chek-O-Seal with multi o-ring sealing ribs from 100% new rubber to ensure performance under varying pressures with superior storage characteristics. Suitable for mild acids, water and salt media with a temperature range of -25°F to +200°F per ASTM D2000. Other materials available.

BRANCH GASKET: NBR per ASTM D2000 with Hydro TwinSeal® dual o-ring design incorporating both hydrostatic and mechanical forces to affect a dynamic seal.

BOLTS & NUTS : Type 304 (18-8) Stainless Steel per ASTM A193 and A194 for sleeves with Stainless Steel Flange and Low Alloy Steel Bolts and Nuts per ASTM A325 and ASTM A563 for sleeves with Carbon Steel Flange. NOTE: Stainless Steel hex nuts are furnished with fusion bonded coating to prevent seizing and galling.

WASHERS: Stainless Steel per ASTM A240, type 304. Special spring type.



Nominal Pipe Size		Pipe OD Range			BY	Branch Size		Stainless Steel Flange		Carbon Steel Flange	
Inches	MM		Inches	MM		Inches	mm.	Catalog Number	List Price	Catalog Number	List Price
4	100	A	4.50-4.70	114-119	X	2	50	349004A020AS-PE	\$ 2,000.20	349004A020CS-PE	\$ 1,967.80
		B	4.70-4.90	119-124				349004B020AS-PE		349004B020CS-PE	
		C	4.80-5.00	112-127				349004C020AS-PE		349004C020CS-PE	
		D	5.10-5.30	130-135				349004D020AS-PE		349004D020CS-PE	
		E	5.20-5.40	132-137				349004E020AS-PE		349004E020CS-PE	
4	100	A	4.50-4.70	114-119	X	3	80	349004A030AS-PE	\$ 2,000.20	349004A030CS-PE	\$ 1,967.80
		B	4.70-4.90	119-124				349004B030AS-PE		349004B030CS-PE	
		C	4.80-5.00	112-127				349004C030AS-PE		349004C030CS-PE	
		D	5.10-5.30	130-135				349004D030AS-PE		349004D030CS-PE	
		E	5.20-5.40	132-137				349004E030AS-PE		349004E030CS-PE	
4	100	A	4.50-4.70	114-119	X	4	100	349004A040AS-PE	\$ 2,000.20	349004A040CS-PE	\$ 1,967.80
		B	4.70-4.90	119-124				349004B040AS-PE		349004B040CS-PE	
		C	4.80-5.00	112-127				349004C040AS-PE		349004C040CS-PE	
		D	5.10-5.30	130-135				349004D040AS-PE		349004D040CS-PE	
		E	5.20-5.40	132-137				349004E040AS-PE		349004E040CS-PE	
6	150	A	6.00-6.20	152-157	X	2	50	349006A020AS-PE	\$ 2,037.80	349006A020CS-PE	\$ 1,987.80
		B	6.60-7.00	168-178				349006B020AS-PE		349006B020CS-PE	
		C	6.90-7.30	175-185				349006C020AS-PE		349006C020CS-PE	
		D	7.10-7.50	180-191				349006D020AS-PE		349006D020CS-PE	
6	150	A	6.00-6.20	152-157	X	3	80	349006A030AS-PE	\$ 2,037.80	349006A030CS-PE	\$ 1,987.80
		B	6.60-7.00	168-178				349006B030AS-PE		349006B030CS-PE	
		C	6.90-7.30	175-185				349006C030AS-PE		349006C030CS-PE	
		D	7.10-7.50	180-191				349006D030AS-PE		349006D030CS-PE	
6	150	A	6.00-6.20	152-157	X	4	100	349006A040AS-PE	\$ 2,037.80	349006A040CS-PE	\$ 1,987.80
		B	6.60-7.00	168-178				349006B040AS-PE		349006B040CS-PE	
		C	6.90-7.30	175-185				349006C040AS-PE		349006C040CS-PE	
		D	7.10-7.50	180-191				349006D040AS-PE		349006D040CS-PE	

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Nominal Pipe Size		Pipe OD Range			BY	Branch Size Size		Stainless Steel Flange		Carbon Steel Flange	
Inches	MM	Inches	MM			Inches	mm.	Catalog Number	List Price	Catalog Number	List Price
6	150	A	6.00-6.20	152-157	X	6	150	349006A060AS-PE	\$ 2,168.90	349006A060CS-PE	\$ 2,106.40
		B	6.60-7.00	168-178				349006B060AS-PE		349006B060CS-PE	
		C	6.90-7.30	175-185				349006C060AS-PE		349006C060CS-PE	
		D	7.10-7.50	180-191				349006D060AS-PE		349006D060CS-PE	
8	200	A	7.90-9.30	201-211	X	2	50	349008A020AS-PE	\$ 2,126.60	349008A020CS-PE	\$ 2,076.60
		B	8.60-9.05	218-230				349008B020AS-PE		349008B020CS-PE	
		C	9.05-9.45	230-240				349008C020AS-PE		349008C020CS-PE	
		D	9.20-9.60	234-244				349008D020AS-PE		349008D020CS-PE	
8	200	A	7.90-9.30	201-211	X	3	80	349008A030AS-PE	\$ 2,126.60	349008A030CS-PE	\$ 2,076.60
		B	8.60-9.05	218-230				349008B030AS-PE		349008B030CS-PE	
		C	9.05-9.45	230-240				349008C030AS-PE		349008C030CS-PE	
		D	9.20-9.60	234-244				349008D030AS-PE		349008D030CS-PE	
8	200	A	7.90-9.30	201-211	X	4	100	349008A040AS-PE	\$ 2,126.60	349008A040CS-PE	\$ 2,076.60
		B	8.60-9.05	218-230				349008B040AS-PE		349008B040CS-PE	
		C	9.05-9.45	230-240				349008C040AS-PE		349008C040CS-PE	
		D	9.20-9.60	234-244				349008D040AS-PE		349008D040CS-PE	
8	200	A	7.90-9.30	201-211	X	6	150	349008A060AS-PE	\$ 2,300.00	349008A060CS-PE	\$ 2,237.50
		B	8.60-9.05	218-230				349008B060AS-PE		349008B060CS-PE	
		C	9.05-9.45	230-240				349008C060AS-PE		349008C060CS-PE	
		D	9.20-9.60	234-244				349008D060AS-PE		349008D060CS-PE	
8	200	A	7.90-9.30	201-211	X	8	200	349008A080AS-PE	\$ 2,820.00	349008A080CS-PE	\$ 2,745.00
		B	8.60-9.05	218-230				349008B080AS-PE		349008B080CS-PE	
		C	9.05-9.45	230-240				349008C080AS-PE		349008C080CS-PE	
		D	9.20-9.60	234-244				349008D080AS-PE		349008D080CS-PE	
10	250	A	9.90-10.30	251-262	X	2	50	349010A020AS-PE	\$ 2,426.60	349010A020CS-PE	\$ 2,376.60
		B	10.70-11.10	272-282				349010B020AS-PE		349010B020CS-PE	
		C	11.10-11.50	282-292				349010C020AS-PE		349010C020CS-PE	
		D	11.40-11.80	290-300				349010D020AS-PE		349010D020CS-PE	
		E	11.80-12.20	300-310				349010E020AS-PE		349010E020CS-PE	
10	250	A	9.90-10.30	251-262	X	3	80	349010A030AS-PE	\$ 2,426.60	349010A030CS-PE	\$ 2,376.60
		B	10.70-11.10	272-282				349010B030AS-PE		349010B030CS-PE	
		C	11.10-11.50	282-292				349010C030AS-PE		349010C030CS-PE	
		D	11.40-11.80	290-300				349010D030AS-PE		349010D030CS-PE	
		E	11.80-12.20	300-310				349010E030AS-PE		349010E030CS-PE	
10	250	A	9.90-10.30	251-262	X	4	100	349010A040AS-PE	\$ 2,426.60	349010A040CS-PE	\$ 2,376.60
		B	10.70-11.10	272-282				349010B040AS-PE		349010B040CS-PE	
		C	11.10-11.50	282-292				349010C040AS-PE		349010C040CS-PE	
		D	11.40-11.80	290-300				349010D040AS-PE		349010D040CS-PE	
		E	11.80-12.20	300-310				349010E040AS-PE		349010E040CS-PE	

3490AS-PE / 3490CS-PE TAP SLEEVE W/ FLANGE OUTLET

Nominal Pipe Size		Pipe OD Range			BY	Branch Size		Stainless Steel Flange		Carbon Steel Flange	
Inches	MM	Inches	MM			Inches	mm.	Catalog Number	List Price	Catalog Number	List Price
10	250	A	9.90-10.30	251-262	X	6	150	349010A060AS-PE	\$ 2,628.90	349010A060CS-PE	\$ 2,566.40
		B	10.70-11.10	272-282				349010B060AS-PE		349010B060CS-PE	
		C	11.10-11.50	282-292				349010C060AS-PE		349010C060CS-PE	
		D	11.40-11.80	290-300				349010D060AS-PE		349010D060CS-PE	
		E	11.80-12.20	300-310				349010E060AS-PE		349010E060CS-PE	
10	250	A	9.90-10.30	251-262	X	8	200	349010A080AS-PE	\$ 3,211.10	349010A080CS-PE	\$ 3,211.10
		B	10.70-11.10	272-282				349010B080AS-PE		349010B080CS-PE	
		C	11.10-11.50	282-292				349010C080AS-PE		349010C080CS-PE	
		D	11.40-11.80	290-300				349010D080AS-PE		349010D080CS-PE	
		E	11.80-12.20	300-310				349010E080AS-PE		349010E080CS-PE	
10	250	A	9.90-10.30	251-262	X	10	250	N/A	\$ 4,693.40	N/A	\$ 4,568.40
		B	10.70-11.10	272-282				349010B100AS-PE		349010B100CS-PE	
		C	11.10-11.50	282-292				349010C100AS-PE		349010C100CS-PE	
		D	11.40-11.80	290-300				349010D100AS-PE		349010D100CS-PE	
		E	11.80-12.20	300-310				349010E100AS-PE		349010E100CS-PE	
12	300	A	11.90-12.30	302-312	X	2	50	349012A020AS-PE	\$ 2,056.60	349012A020CS-PE	\$ 2,006.60
		B	12.50-12.90	318-328				349012B020AS-PE		349012B020CS-PE	
		C	13.20-13.60	335-345				349012C020AS-PE		349012C020CS-PE	
		D	13.40-13.80	340-351				349012D020AS-PE		349012D020CS-PE	
		E	13.90-14.30	355-363				349012E020AS-PE		349012E020CS-PE	
12	300	A	11.90-12.30	302-312	X	3	80	349012A030AS-PE	\$ 2,056.60	349012A030CS-PE	\$ 2,006.60
		B	12.50-12.90	318-328				349012B030AS-PE		349012B030CS-PE	
		C	13.20-13.60	335-345				349012C030AS-PE		349012C030CS-PE	
		D	13.40-13.80	340-351				349012D030AS-PE		349012D030CS-PE	
		E	13.90-14.30	355-363				349012E030AS-PE		349012E030CS-PE	
12	300	A	11.90-12.30	302-312	X	4	100	349012A040AS-PE	\$ 2,056.60	349012A040CS-PE	\$ 2,006.60
		B	12.50-12.90	318-328				349012B040AS-PE		349012B040CS-PE	
		C	13.20-13.60	335-345				349012C040AS-PE		349012C040CS-PE	
		D	13.40-13.80	340-351				349012D040AS-PE		349012D040CS-PE	
		E	13.90-14.30	355-363				349012E040AS-PE		349012E040CS-PE	
12	300	A	11.90-12.30	302-312	X	6	150	349012A060AS-PE	\$ 2,275.00	349012A060CS-PE	\$ 2,212.50
		B	12.50-12.90	318-328				349012B060AS-PE		349012B060CS-PE	
		C	13.20-13.60	335-345				349012C060AS-PE		349012C060CS-PE	
		D	13.40-13.80	340-351				349012D060AS-PE		349012D060CS-PE	
		E	13.90-14.30	355-363				349012E060AS-PE		349012E060CS-PE	
12	300	A	11.90-12.30	302-312	X	8	200	349012A080AS-PE	\$ 2,858.40	349012A080CS-PE	\$ 283.40
		B	12.50-12.90	318-328				349012B080AS-PE		349012B080CS-PE	
		C	13.20-13.60	335-345				349012C080AS-PE		349012C080CS-PE	
		D	13.40-13.80	340-351				349012D080AS-PE		349012D080CS-PE	
		E	13.90-14.30	355-363				349012E080AS-PE		349012E080CS-PE	

3490AS-PE / 3490CS-PE TAP SLEEVE W/ FLANGE OUTLET

Nominal Pipe Size		Pipe OD Range			BY	Branch Size Size		Stainless Steel Flange		Carbon Steel Flange	
Inches	MM		Inches	MM		Inches	mm.	Catalog Number	List Price	Catalog Number	List Price
12	300	A	11.90-12.30	302-312	X	10	250	349012A100AS-PE	\$ 3,631.60	349012A100CS-PE	\$ 3,506.60
		B	12.50-12.90	318-328				349012B100AS-PE		349012B100CS-PE	
		C	13.20-13.60	335-345				349012C100AS-PE		349012C100CS-PE	
		D	13.40-13.80	340-351				349012D100AS-PE		349012D100CS-PE	
		E	13.90-14.30	355-363				349012E100AS-PE		349012E100CS-PE	
14	350	A	15.00-15.40	381-391	X	2	50	349014A020AS-PE	\$ 2,428.40	349014A020CS-PE	\$ 2,378.40
		B	15.30-15.70	389-399				349014B020AS-PE		349014B020CS-PE	
		C	15.90-16.30	404-414				349014C020AS-PE		349014C020CS-PE	
		D	16.40-16.80	417-427				349014D020AS-PE		349014D020CS-PE	
14	350	A	15.00-15.40	381-391	X	3	80	349014A030AS-PE	\$ 2,428.40	349014A030CS-PE	\$ 2,378.40
		B	15.30-15.70	389-399				349014B030AS-PE		349014B030CS-PE	
		C	15.90-16.30	404-414				349014C030AS-PE		349014C030CS-PE	
		D	16.40-16.80	417-427				349014D030AS-PE		349014D030CS-PE	
14	350	A	15.00-15.40	381-391	X	4	100	349014A040AS-PE	\$ 2,428.40	349014A040CS-PE	\$ 2,378.40
		B	15.30-15.70	389-399				349014B040AS-PE		349014B040CS-PE	
		C	15.90-16.30	404-414				349014C040AS-PE		349014C040CS-PE	
		D	16.40-16.80	417-427				349014D040AS-PE		349014D040CS-PE	
14	350	A	15.00-15.40	381-391	X	6	150	349014A060AS-PE	\$ 2,645.00	349014A060CS-PE	\$ 2,570.00
		B	15.30-15.70	389-399				349014B060AS-PE		349014B060CS-PE	
		C	15.90-16.30	404-414				349014C060AS-PE		349014C060CS-PE	
		D	16.40-16.80	417-427				349014D060AS-PE		349014D060CS-PE	
14	350	A	15.00-15.40	381-391	X	8	200	349014A080AS-PE	\$ 3,180.00	349014A080CS-PE	\$ 3,105.00
		B	15.30-15.70	389-399				349014B080AS-PE		349014B080CS-PE	
		C	15.90-16.30	404-414				349014C080AS-PE		349014C080CS-PE	
		D	16.40-16.80	417-427				349014D080AS-PE		349014D080CS-PE	
14	350	A	15.00-15.40	381-391	X	10	250	349014A100AS-PE	\$ 4,030.00	349014A100CS-PE	\$ 3,905.00
		B	15.30-15.70	389-399				349014B100AS-PE		349014B100CS-PE	
		C	15.90-16.30	404-414				349014C100AS-PE		349014C100CS-PE	
		D	16.40-16.80	417-427				349014D100AS-PE		349014D100CS-PE	
14	350	A	15.00-15.40	381-391	X	12	300	349014A120AS-PE	\$ 4,526.60	349014A120CS-PE	\$ 4,364.10
		B	15.30-15.70	389-399				349014B120AS-PE		349014B120CS-PE	
		C	15.90-16.30	404-414				349014C120AS-PE		349014C120CS-PE	
		D	16.40-16.80	417-427				349014D120AS-PE		349014D120CS-PE	
16	400	A	17.00-17.40	432-442	X	2	50	349016A020AS-PE	\$ 2,908.40	349016A020CS-PE	\$ 2,858.40
		B	17.40-17.80	442-452				349016B020AS-PE		349016B020CS-PE	
		C	17.70-18.10	450-460				349016C020AS-PE		349016C020CS-PE	
16	400	A	17.00-17.40	432-442	X	3	80	349016A030AS-PE	\$ 2,908.40	349016A030CS-PE	\$ 2,858.40
		B	17.40-17.80	442-452				349016B030AS-PE		349016B030CS-PE	
		C	17.70-18.10	450-460				349016C030AS-PE		349016C030CS-PE	
16	400	A	17.00-17.40	432-442	X	4	100	349016A040AS-PE	\$ 2,908.40	349016A040CS-PE	\$ 2,858.40
		B	17.40-17.80	442-452				349016B040AS-PE		349016B040CS-PE	
		C	17.70-18.10	450-460				349016C040AS-PE		349016C040CS-PE	

3490AS-PE / 3490CS-PE TAP SLEEVE W/ FLANGE OUTLET

Nominal Pipe Size		Pipe OD Range			BY	Branch Size Size		Stainless Steel Flange		Carbon Steel Flange	
Inches	MM		Inches	MM		Inches	mm.	Catalog Number	List Price	Catalog Number	List Price
16	400	A	17.00-17.40	432-442	X	6	150	349016A060AS-PE	\$ 3,291.60	349016A060CS-PE	\$ 3,241.60
		B	17.40-17.80	442-452				349016B060AS-PE		349016B060CS-PE	
		C	17.70-18.10	450-460				349016C060AS-PE		349016C060CS-PE	
16	400	A	17.00-17.40	432-442	X	8	200	349016A080AS-PE	\$ 3,578.40	349016A080CS-PE	\$ 3,503.40
		B	17.40-17.80	442-452				349016B080AS-PE		349016B080CS-PE	
		C	17.70-18.10	450-460				349016C080AS-PE		349016C080CS-PE	
16	400	A	17.00-17.40	432-442	X	10	250	349016A100AS-PE	\$ 4,483.40	349016A100CS-PE	\$ 4,358.40
		B	17.40-17.80	442-452				349016B100AS-PE		349016B100CS-PE	
		C	17.70-18.10	450-460				349016C100AS-PE		349016C100CS-PE	
16	400	A	17.00-17.40	432-442	X	12	300	349016A120AS-PE	\$ 4,906.60	349016A120CS-PE	\$ 4,744.10
		B	17.40-17.80	442-452				349016B120AS-PE		349016B120CS-PE	
		C	17.70-18.10	450-460				349016C120AS-PE		349016C120CS-PE	
16	400	A	17.00-17.40	432-442	X	16	400	349016A160AS-PE	\$ 13,894.40	349016A160CS-PE	\$ 13,519.40
		B	17.40-17.80	442-452				349016B160AS-PE		349016B160CS-PE	
		C	17.70-18.10	450-460				349016C160AS-PE		349016C160CS-PE	
18	450	A	18.40-18.80	467-478	X	2	50	349018A020AS-PE	\$ 3,033.40	349018A020CS-PE	\$ 2,858.40
		B	18.60-19.00	472-483				349018B020AS-PE		349018B020CS-PE	
		C	19.30-19.70	490-500				349018C020AS-PE		349018C020CS-PE	
		D	19.80-20.20	503-513				349018D020AS-PE		349018D020CS-PE	
18	450	A	18.40-18.80	467-478	X	3	80	349018A030AS-PE	\$ 3,033.40	349018A030CS-PE	\$ 2,858.40
		B	18.60-19.00	472-483				349008B030AS-PE		349008B030CS-PE	
		C	19.30-19.70	490-500				349018C030AS-PE		349018C030CS-PE	
		D	19.80-20.20	503-513				349018D030AS-PE		349018D030CS-PE	
18	450	A	18.40-18.80	467-478	X	4	100	349018A040AS-PE	\$ 3,033.40	349018A040CS-PE	\$ 2,858.40
		B	18.60-19.00	472-483				349018B040AS-PE		349018B040CS-PE	
		C	19.30-19.70	490-500				349018C040AS-PE		349018C040CS-PE	
		D	19.80-20.20	503-513				349018D040AS-PE		349018D040CS-PE	
18	450	A	18.40-18.80	467-478	X	6	150	349018A060AS-PE	\$ 3,291.60	349018A060CS-PE	\$ 3,229.10
		B	18.60-19.00	472-483				349018B060AS-PE		349018B060CS-PE	
		C	19.30-19.70	490-500				349018C060AS-PE		349018C060CS-PE	
		D	19.80-20.20	503-513				349018D060AS-PE		349018D060CS-PE	
18	450	A	18.40-18.80	467-478	X	8	200	349018A080AS-PE	\$ 3,820.00	349018A080CS-PE	\$ 3,745.00
		B	18.60-19.00	472-483				349018B080AS-PE		349018B080CS-PE	
		C	19.30-19.70	490-500				349018C080AS-PE		349018C080CS-PE	
		D	19.80-20.20	503-513				349018D080AS-PE		349018D080CS-PE	
18	450	A	18.40-18.80	467-478	X	10	250	349018A100AS-PE	\$ 4,486.60	349018A100CS-PE	\$ 4,361.60
		B	18.60-19.00	472-483				349018B100AS-PE		349018B100CS-PE	
		C	19.30-19.70	490-500				349018C100AS-PE		349018C100CS-PE	
		D	19.80-20.20	503-513				349018D100AS-PE		349018D100CS-PE	
18	400	A	18.40-18.80	467-478	X	12	300	349018A120AS-PE	\$ 5,001.60	349018A120CS-PE	\$ 4,839.10
		B	18.60-19.00	472-483				349018B120AS-PE		349018B120CS-PE	
		C	19.30-19.70	490-500				349018C120AS-PE		349018C120CS-PE	
		D	19.80-20.20	503-513				349018D120AS-PE		349018D120CS-PE	

3490AS-PE / 3490CS-PE TAP SLEEVE W/ FLANGE OUTLET

Nominal Pipe Size		Pipe OD Range			BY	Branch Size Size		Stainless Steel Flange		Carbon Steel Flange	
Inches	MM		Inches	MM		Inches	mm.	Catalog Number	List Price	Catalog Number	List Price
18	450	A	18.40-18.80	467-478	X	16	300	349018A160AS-PE	\$ 15,560.38	349018A160CS-PE	\$ 15,186.00
		B	18.60-19.00	472-483				349018B160AS-PE		349018B160CS-PE	
		C	19.30-19.70	490-500				349018C160AS-PE		349018C160CS-PE	
		D	19.80-20.20	503-513				349018D160AS-PE		349018D160CS-PE	
20	500	A	21.40-21.80	544-554	X	2	50	349020A020AS-PE	\$ 3,066.60	349020A020CS-PE	\$ 3,016.60
		B	21.90-22.30	556-566				349020B020AS-PE		349020B020CS-PE	
20	500	A	21.40-21.80	544-554	X	3	80	349020A030AS-PE	\$ 3,066.60	349020A030CS-PE	\$ 3,016.60
		B	21.90-22.30	556-566				349020B030AS-PE		349020B030CS-PE	
20	500	A	21.40-21.80	544-554	X	4	100	349020A040AS-PE	\$ 3,066.60	349020A040CS-PE	\$ 3,016.60
		B	21.90-22.30	556-566				349020B040AS-PE		349020B040CS-PE	
20	500	A	21.40-21.80	544-554	X	6	150	349020A060AS-PE	\$ 3,291.63	349020A060CS-PE	\$ 3,232.50
		B	21.90-22.30	556-566				349020B060AS-PE		349020B060CS-PE	
20	500	A	21.40-21.80	544-554	X	8	200	349020A080AS-PE	\$ 3,820.00	349020A080CS-PE	\$ 3,745.00
		B	21.90-22.30	556-566				349020B080AS-PE		349020B080CS-PE	
20	500	A	21.40-21.80	544-554	X	10	250	349020A100AS-PE	\$ 4,486.63	349020A100CS-PE	\$ 4,361.63
		B	21.90-22.30	556-566				349020B100AS-PE		349020B100CS-PE	
20	500	A	21.40-21.80	544-554	X	12	300	349020A120AS-PE	\$ 5,001.63	349020A120CS-PE	\$ 4,839.13
		B	21.90-22.30	556-566				349020B120AS-PE		349020B120CS-PE	
20	500	A	21.40-21.80	544-554	X	16	400	349020A160AS-PE	\$ 15,561.00	349020A160CS-PE	\$ 15,186.00
		B	21.90-22.30	556-566				349020B160AS-PE		349020B160CS-PE	
24	600	A	25.60-26.00	650-660	X	2	50	349024A020AS-PE	\$ 3,066.60	349024A020CS-PE	\$ 3,016.60
		B	26.20-26.60	665-676				349024B020AS-PE		349024B020CS-PE	
24	600	A	25.60-26.00	650-660	X	3	80	349024A030AS-PE	\$ 3,066.60	349024A030CS-PE	\$ 3,016.60
		B	26.20-26.60	665-676				349024B030AS-PE		349024B030CS-PE	
24	600	A	25.60-26.00	650-660	X	4	100	349024A040AS-PE	\$ 3,066.60	349024A040CS-PE	\$ 3,016.60
		B	26.20-26.60	665-676				349024B040AS-PE		349024B040CS-PE	
24	600	A	25.60-26.00	650-660	X	6	150	349024A060AS-PE	\$ 3,295.00	349024A060CS-PE	\$ 3,232.50
		B	26.20-26.60	665-676				349024B060AS-PE		349024B060CS-PE	
24	600	A	25.60-26.00	650-660	X	8	200	349024A080AS-PE	\$ 3,861.60	349024A080CS-PE	\$ 3,786.60
		B	26.20-26.60	665-676				349024B080AS-PE		349024B080CS-PE	
24	600	A	25.60-26.00	650-660	X	10	250	349024A100AS-PE	\$ 4,815.00	349024A100CS-PE	\$ 4,690.00
		B	26.20-26.60	665-676				349024B100AS-PE		349024B100CS-PE	
24	600	A	25.60-26.00	650-660	X	12	300	349024A120AS-PE	\$ 5,481.60	349024A120CS-PE	\$ 5,319.10
		B	26.20-26.60	665-676				349024B120AS-PE		349024B120CS-PE	
24	600	A	25.60-26.00	650-660	X	16	400	349024A160AS-PE	\$ 18,894.40	349024A160CS-PE	\$ 18,519.40
		B	26.20-26.60	665-676				349024B160AS-PE		349024B160CS-PE	

HOW TO ORDER: Choose the Pipe Size Letter Code corresponding to a Pipe OD Range that covers the Pipe OD to be tapped and then specify the desired branch size. EXAMPLE: 16" Asbestos-Cement Class 150 O.D. 18.72 with 8 inch Branch. Order 3490AS-PE or 3490CS-PE -18B x 8. **Part Number:** 349018B120AS-PE.

NOTE: Other ranges, tap sizes available upon request.

3490MJ-PE / 3490MJCS-PE TAP SLEEVE W/ MECHANICAL JOINT OUTLET

MJ OUTLET: Type 304 (18-8) Stainless Steel per ASTM A743 and ANSI/AWWA C111 or Carbon Steel.

PANEL: Type 304 (18-8) Stainless Steel per ASTM A240.

SHELL GASKET: SBR per ASTM D2000 Chek-O-Seal with multi o-ring sealing ribs from 100% new rubber to ensure performance under varying pressures with superior storage characteristics. Suitable for mild acids, water and salt media with a temperature range of -25°F to +200°F per ASTM D2000. Other materials available.

BRANCH GASKET: NBR per ASTM D2000 with Hydro TwinSeal® dual o-ring design incorporating both hydrostatic and mechanical forces to affect a dynamic seal.

BOLTS & NUTS : Type 304 (18-8) Stainless Steel per ASTM A193 and A194 for sleeves with Stainless Steel Flange and Low Alloy Steel Bolts and Nuts per ASTM A325 and ASTM A563 for sleeves with Carbon Steel Flange. NOTE: Stainless Steel hex nuts are furnished with fusion bonded coating to prevent seizing and galling.

WASHERS: Stainless Steel per ASTM A240, type 304. Special spring type.



Nominal Pipe Size		Pipe OD Range			BY	Branch Size Size		Stainless Steel Flange		Carbon Steel Flange	
Inches	MM	Inches	MM			Inches	mm.	Catalog Number	List Price	Catalog Number	List Price
4	100	A	4.50-4.70	114-119	X	2	50	349004A020MJ-PE	\$ 2,042.80	349004A020MJ-CSPE	\$ 1,980.30
		B	4.70-4.90	119-124				349004B020MJ-PE		349004B020MJ-CSPE	
		C	4.80-5.00	112-127				349004C020MJ-PE		349004C020MJ-CSPE	
4	100	A	4.50-4.70	114-119	X	3	80	349004A030MJ-PE	\$ 2,042.80	349004A030MJ-CSPE	\$ 1,980.30
		B	4.70-4.90	119-124				349004B030MJ-PE		349004B030MJ-CSPE	
		C	4.80-5.00	112-127				349004C030MJ-PE		349004C030MJ-CSPE	
4	100	A	4.50-4.70	114-119	X	4	100	349004A040MJ-PE	\$ 2,042.80	349004A040MJ-CSPE	\$ 1,980.30
		B	4.70-4.90	119-124				349004B040MJ-PE		349004B040MJ-CSPE	
		C	4.80-5.00	112-127				349004C040MJ-PE		349004C040MJ-CSPE	
6	150	B	6.60-7.00	168-178	X	2	50	349006B020MJ-PE	\$ 2,062.80	349006B020MJ-CSPE	\$ 2,000.30
		C	6.90-7.30	175-185				349006C020MJ-PE		349006C020MJ-CSPE	
6	150	B	6.60-7.00	168-178	X	3	80	349006B030MJ-PE	\$ 2,062.80	349006B030MJ-CSPE	\$ 2,000.30
		C	6.90-7.30	175-185				349006C030MJ-PE		349006C030MJ-CSPE	
6	150	B	6.60-7.00	168-178	X	4	100	349006B040MJ-PE	\$ 2,062.80	349006B040MJ-CSPE	\$ 2,000.30
		C	6.90-7.30	175-185				349006C040MJ-PE		349006C040MJ-CSPE	
6	150	B	6.60-7.00	168-178	X	6	150	349006B060MJ-PE	\$ 2,231.40	349006B060MJ-CSPE	\$ 2,156.40
		C	6.90-7.30	175-185				349006C060MJ-PE		349006C060MJ-CSPE	
8	200	B	8.60-9.05	218-230	X	2	50	349008B020MJ-PE	\$ 2,151.60	349008B020MJ-CSPE	\$ 2,089.10
		C	9.05-9.45	230-240				349008C020MJ-PE		349008C020MJ-CSPE	
8	200	B	8.60-9.05	218-230	X	3	80	349008B030MJ-PE	\$ 2,151.60	349008B030MJ-CSPE	\$ 2,089.10
		C	9.05-9.45	230-240				349008C030MJ-PE		349008C030MJ-CSPE	
8	200	B	8.60-9.05	218-230	X	4	100	349008B040MJ-PE	\$ 2,151.60	349008B040MJ-CSPE	\$ 2,089.10
		C	9.05-9.45	230-240				349008C040MJ-PE		349008C040MJ-CSPE	
8	200	B	8.60-9.05	218-230	X	6	150	349008B060MJ-PE	\$ 2,362.50	349008B060MJ-CSPE	\$ 2,287.50
		C	9.05-9.45	230-240				349008C060MJ-PE		349008C060MJ-CSPE	
8	200	B	8.60-9.05	218-230	X	8	200	349008B080MJ-PE	\$ 2,907.50	349008B080MJ-CSPE	\$ 2,782.50
		C	9.05-9.45	230-240				349008C080MJ-PE		349008C080MJ-CSPE	

3490MJ-PE / 3490MJCS-PE TAP SLEEVE W/ MECHANICAL JOINT OUTLET

Nominal Pipe Size		Pipe OD Range			BY	Branch Size		Stainless Steel Flange		Carbon Steel Flange	
Inches	MM	Inches	MM			Inches	mm.	Catalog Number	List Price	Catalog Number	List Price
10	250	B	10.70-11.10	272-282	X	2	50	349010B020MJ-PE	\$ 2,451.60	349010B020MJ-CSPE	\$ 2,389.10
		C	11.10-11.50	282-292				349010C020MJ-PE		349010C020MJ-CSPE	
10	250	B	10.70-11.10	272-282	X	3	80	349010B030MJ-PE	\$ 2,451.60	349010B030MJ-CSPE	\$ 2,389.10
		C	11.10-11.50	282-292				349010C030MJ-PE		349010C030MJ-CSPE	
10	250	B	10.70-11.10	272-282	X	4	100	349010B040MJ-PE	\$ 2,451.60	349010B040MJ-CSPE	\$ 2,389.10
		C	11.10-11.50	282-292				349010C040MJ-PE		349010C040MJ-CSPE	
10	250	B	10.70-11.10	272-282	X	6	150	349010B060MJ-PE	\$ 2,691.40	349010B060MJ-CSPE	\$ 2,616.40
		C	11.10-11.50	282-292				349010C060MJ-PE		349010C060MJ-CSPE	
10	250	B	10.70-11.10	272-282	X	8	200	349010B080MJ-PE	\$ 3,298.60	349010B080MJ-CSPE	\$ 3,173.60
		C	11.10-11.50	282-292				349010C080MJ-PE		349010C080MJ-CSPE	
10	250	B	10.70-11.10	272-282	X	10	250	349010B100MJ-PE	\$ 4,805.90	349010B100MJ-CSPE	\$ 4,630.90
		C	11.10-11.50	282-292				349010C100MJ-PE		349010C100MJ-CSPE	
12	300	B	12.50-12.90	318-328	X	2	50	349012B020MJ-PE	\$ 2,161.60	349012B020MJ-CSPE	\$ 2,099.10
		C	13.20-13.60	335-345				349012C020MJ-PE		349012C020MJ-CSPE	
		E	13.90-14.30	355-363				349012E020MJ-PE		349012E020MJ-CSPE	
12	300	B	12.50-12.90	318-328	X	3	80	349012B030MJ-PE	\$ 2,161.60	349012B030MJ-CSPE	\$ 2,099.10
		C	13.20-13.60	335-345				349012C030MJ-PE		349012C030MJ-CSPE	
		E	13.90-14.30	355-363				349012E030MJ-PE		349012E030MJ-CSPE	
12	300	B	12.50-12.90	318-328	X	4	100	349012B040MJ-PE	\$ 2,161.60	349012B040MJ-CSPE	\$ 2,099.10
		C	13.20-13.60	335-345				349012C040MJ-PE		349012C040MJ-CSPE	
		E	13.90-14.30	355-363				349012E040MJ-PE		349012E040MJ-CSPE	
12	300	B	12.50-12.90	318-328	X	6	150	349012B060MJ-PE	\$ 2,460.00	349012B060MJ-CSPE	\$ 2,385.00
		C	13.20-13.60	335-345				349012C060MJ-PE		349012C060MJ-CSPE	
		E	13.90-14.30	355-363				349012E060MJ-PE		349012E060MJ-CSPE	
12	300	B	12.50-12.90	318-328	X	8	200	349012B080MJ-PE	\$ 3,118.40	349012B080MJ-CSPE	\$ 2,993.40
		C	13.20-13.60	335-345				349012C080MJ-PE		349012C080MJ-CSPE	
		E	13.90-14.30	355-363				349012E080MJ-PE		349012E080MJ-CSPE	
12	300	B	12.50-12.90	318-328	X	10	250	349012B100MJ-PE	\$ 3,948.40	349012B100MJ-CSPE	\$ 3,773.40
		C	13.20-13.60	335-345				349012C100MJ-PE		349012C100MJ-CSPE	
		E	13.90-14.30	355-363				349012E100MJ-PE		349012E100MJ-CSPE	
12	300	B	12.50-12.90	318-328	X	12	300	349012B120MJ-PE	\$ 4,260.00	349012B120MJ-CSPE	\$ 4,047.50
		C	13.20-13.60	335-345				349012C120MJ-PE		349012C120MJ-CSPE	
		E	13.90-14.30	355-363				349012E120MJ-PE		349012E120MJ-CSPE	
14	350	B	15.30-15.70	389-399	X	2	50	349014B020MJ-PE	\$ 2,531.60	349014B020MJ-CSPE	\$ 2,469.10
		C	15.90-16.30	404-414				349014C020MJ-PE		349014C020MJ-CSPE	
14	350	B	15.30-15.70	389-399	X	3	80	349014B030MJ-PE	\$ 2,531.60	349014B030MJ-CSPE	\$ 2,469.10
		C	15.90-16.30	404-414				349014C030MJ-PE		349014C030MJ-CSPE	
14	350	B	15.30-15.70	389-399	X	4	100	349014B040MJ-PE	\$ 2,531.60	349014B040MJ-CSPE	\$ 2,469.10
		C	15.90-16.30	404-414				349014C040MJ-PE		349014C040MJ-CSPE	
14	350	B	15.30-15.70	389-399	X	6	150	349014B060MJ-PE	\$ 2,831.60	349014B060MJ-CSPE	\$ 2,756.60
		C	15.90-16.30	404-414				349014C060MJ-PE		349014C060MJ-CSPE	

3490MJ-PE / 3490MJCS-PE TAP SLEEVE W/ MECHANICAL JOINT OUTLET

Nominal Pipe Size		Pipe OD Range			BY	Branch Size Size		Stainless Steel Flange		Carbon Steel Flange	
Inches	MM		Inches	MM		Inches.	mm.	Catalog Number	List Price	Catalog Number	List Price
14	350	B	15.30-15.70	389-399	X	8	200	349014B080MJ-PE	\$ 3,441.60	349014B080MJ-CSPE	\$ 3,316.60
		C	15.90-16.30	404-414				349014C080MJ-PE		349014C080MJ-CSPE	
14	350	B	15.30-15.70	389-399	X	10	250	349014B100MJ-PE	\$ 4,346.60	349014B100MJ-CSPE	\$ 4,171.60
		C	15.90-16.30	404-414				349014C100MJ-PE		349014C100MJ-CSPE	
14	350	B	15.30-15.70	389-399	X	12	300	349014B120MJ-PE	\$ 4,761.60	349014B120MJ-CSPE	\$ 4,549.10
		C	15.90-16.30	404-414				349014C120MJ-PE		349014C120MJ-CSPE	
16	400	B	17.40-17.80	442-452	X	2	50	349016B020MJ-PE	\$ 3,011.60	349016B020MJ-CSPE	\$ 2,949.10
		C	17.70-18.10	450-460				349016C020MJ-PE		349016C020MJ-CSPE	
16	400	B	17.40-17.80	442-452	X	3	80	349016B030MJ-PE	\$ 3,011.60	349016B030MJ-CSPE	\$ 2,949.10
		C	17.70-18.10	450-460				349016C030MJ-PE		349016C030MJ-CSPE	
16	400	B	17.40-17.80	442-452	X	4	100	349016B040MJ-PE	\$ 3,011.60	349016B040MJ-CSPE	\$ 2,949.10
		C	17.70-18.10	450-460				349016C040MJ-PE		349016C040MJ-CSPE	
16	400	B	17.40-17.80	442-452	X	6	150	349016B060MJ-PE	\$ 3,478.40	349016B060MJ-CSPE	\$ 3,403.40
		C	17.70-18.10	450-460				349016C060MJ-PE		349016C060MJ-CSPE	
16	400	B	17.40-17.80	442-452	X	8	200	349016B080MJ-PE	\$ 3,843.40	349016B080MJ-CSPE	\$ 3,718.40
		C	17.70-18.10	450-460				349016C080MJ-PE		349016C080MJ-CSPE	
16	400	B	17.40-17.80	442-452	X	10	250	349016B100MJ-PE	\$ 4,798.40	349016B100MJ-CSPE	\$ 4,623.40
		C	17.70-18.10	450-460				349016C100MJ-PE		349016C100MJ-CSPE	
16	400	B	17.40-17.80	442-452	X	12	300	349016B120MJ-PE	\$ 5,143.40	349016B120MJ-CSPE	\$ 4,930.90
		C	17.70-18.10	450-460				349016C120MJ-PE		349016C120MJ-CSPE	
18	450	C	19.30-19.70	490-500	X	2	50	349018C020MJ-PE	\$ 3,083.40	349018C020MJ-CSPE	\$ 3,020.90
		D	19.80-20.20	503-513				349018D020MJ-PE		349018D020MJ-CSPE	
18	450	C	19.30-19.70	490-500	X	3	80	349018C030MJ-PE	\$ 3,083.40	349018C030MJ-CSPE	\$ 3,020.90
		D	19.80-20.20	503-513				349018D030MJ-PE		349018D030MJ-CSPE	
18	450	C	19.30-19.70	490-500	X	4	100	349018C040MJ-PE	\$ 3,083.40	349018C040MJ-CSPE	\$ 3,020.90
		D	19.80-20.20	503-513				349018D040MJ-PE		349018D040MJ-CSPE	
18	450	C	19.30-19.70	490-500	X	6	150	349018C060MJ-PE	\$ 3,466.60	349018C060MJ-CSPE	\$ 3,391.60
		D	19.80-20.20	503-513				349018D060MJ-PE		349018D060MJ-CSPE	
18	450	C	19.30-19.70	490-500	X	8	200	349018C080MJ-PE	\$ 3,591.60	349018C080MJ-CSPE	\$ 3,466.60
		D	19.80-20.20	503-513				349018D080MJ-PE		349018D080MJ-CSPE	
18	450	C	19.30-19.70	490-500	X	10	250	349018C100MJ-PE	\$ 4,998.40	349018C100MJ-CSPE	\$ 4,823.40
		D	19.80-20.20	503-513				349018D100MJ-PE		349018D100MJ-CSPE	
18	450	C	19.30-19.70	490-500	X	12	300	349018C120MJ-PE	\$ 5,476.60	349018C120MJ-CSPE	\$ 5,264.10
		D	19.80-20.20	503-513				349018D120MJ-PE		349018D120MJ-CSPE	
20	500	A	21.40-21.80	544-554	X	2	50	349020A020MJ-PE	\$ 3,173.40	349020A020MJ-CSPE	\$ 3,110.90
		B	21.90-22.30	556-566				349020B020MJ-PE		349020B020MJ-CSPE	
20	500	A	21.40-21.80	544-554	X	3	80	349020A030MJ-PE	\$ 3,173.40	349020A030MJ-CSPE	\$ 3,110.90
		B	21.90-22.30	556-566				349020B030MJ-PE		349020B030MJ-CSPE	
20	500	A	21.40-21.80	544-554	X	4	100	349020A040MJ-PE	\$ 3,173.40	349020A040MJ-CSPE	\$ 3,110.90
		B	21.90-22.30	556-566				349020B040MJ-PE		349020B040MJ-CSPE	
20	500	A	21.40-21.80	544-554	X	6	150	349020A060MJ-PE	\$ 3,480.00	349020A060MJ-CSPE	\$ 3,405.00
		B	21.90-22.30	556-566				349020B060MJ-PE		349020B060MJ-CSPE	

3490MJ-PE / 3490MJCS-PE TAP SLEEVE W/ MECHANICAL JOINT OUTLET

Nominal Pipe Size		Pipe OD Range			BY	Branch Size		Stainless Steel Flange		Carbon Steel Flange	
Inches	MM		Inches	MM		Inches.	mm.	Catalog Number	List Price	Catalog Number	List Price
20	500	A	21.40-21.80	544-554	X	8	200	349020A080MJ-PE	\$ 4,125.00	349020A080MJ-CSPE	\$ 4,000.00
		B	21.90-22.30	556-566				349020B080MJ-PE		349020B080MJ-CSPE	
20	500	A	21.40-21.80	544-554	X	10	250	349020A100MJ-PE	\$ 5,333.40	349020A100MJ-CSPE	\$ 5,158.40
		B	21.90-22.30	556-566				349020B100MJ-PE		349020B100MJ-CSPE	
20	500	A	21.40-21.80	544-554	X	12	300	349020A120MJ-PE	\$ 5,666.60	349020A120MJ-CSPE	\$ 5,454.10
		B	21.90-22.30	556-566				349020B120MJ-PE		349020B120MJ-CSPE	
24	600	A	25.60-26.00	650-660	X	2	50	349024A020MJ-PE	\$ 3,336.60	349024A020MJ-CSPE	\$ 3,274.10
24	600	A	25.60-26.00	650-660	X	3	80	349024A030MJ-PE	\$ 3,336.60	349024A030MJ-CSPE	\$ 3,274.10
24	600	A	25.60-26.00	650-660	X	4	100	349024A040MJ-PE	\$ 3,336.60	349024A040MJ-CSPE	\$ 3,274.10
24	600	A	25.60-26.00	650-660	X	6	150	349024A060MJ-PE	\$ 3,710.00	349024A060MJ-CSPE	\$ 3,635.00
24	600	A	25.60-26.00	650-660	X	8	200	349024A080MJ-PE	\$ 4,475.00	349024A080MJ-CSPE	\$ 4,350.00
24	600	A	25.60-26.00	650-660	X	10	250	349024A100MJ-PE	\$ 5,583.40	349024A100MJ-CSPE	\$ 5,408.40
24	600	A	25.60-26.00	650-660	X	12	300	349024A120MJ-PE	\$ 6,166.60	349024A120MJ-CSPE	\$ 5,954.10

HOW TO ORDER: Choose the Pipe Size Letter Code corresponding to a Pipe OD Range that covers the Pipe OD to be tapped and then specify the desired branch size. EXAMPLE: 10" HDPE pipe 11.10" OD with 8 inch Branch. Order 3490MJ-PE -10C x 8.
Part Number: 349010C080MJ-PE

NOTE: IF STAINLEES STEEL BOLTS ARE REQUIRED WITH CARBON STEEL MJ BRANCH SLEEVE YOU MUST NOTIFY POWERSEAL CUSTOMER SERVICE AT TIME OF ORDERING. ADDITIONAL CHARGES APPLY

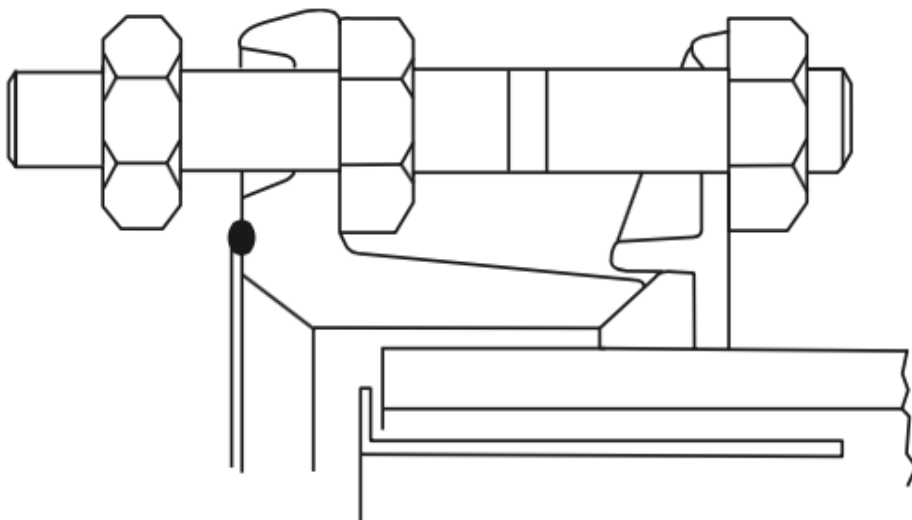
Other ranges, tap sizes available upon request.

*Manufactured under U.S. Patent 6,227,234.

MODEL 3530 HDPESTIFFENER INSERT

For the support of interior walls on HDPE pipe applications

- * Corrosive resistant material
- * Stable support of pipe wall for pipe connections
- * Accurate pipe ID sizing ensures consistent outside diameter
- * Positive support of pipe wall without pipe joint interference



PowerSeal only warrants the use of PowerSeal Stiffeners with PowerSeal Couplings and Flange Adapters.



PowerSeal

PIPELINE PRODUCTS CORPORATION



Parts
January 2015

REPAIR CLAMPS PARTS

Part Number	Component Description	Model Number	Product Size	List Price	Unit
V3151001	Neoprene Sheet Gasket	3151	All Sizes	POA	Square Inch
		3151AS			
		3152			
		3153			
V3151002	Waffle pattern Gasket (NBR)	3151	All Sizes	POA	Square Inch
		3151AS			
		3152			
		3153			
V3100501	Check-O-Seal Gasket (SBR)	3110	All Sizes	POA	Square Inch
		3111			
		3121			
		3122			
		3123			
		3121AS			
		3122AS			
		3123AS			
V3140601	Collar Leak Clamp Step Gasket	3140	All Sizes	POA	Linear Foot
		3141			
		3142			
		3143AS			
V3100302	5/8 X 6 Carriage Bolt, Nut & Washers	3110	All Sizes	\$ 11.30	Each
		3111			
		3142			
V3490001	5/8 X 6 Stainless Steel Carriage Bolt, Nut & Washer	3110	All Sizes	\$ 26.80	Each
		3111			
		3142			
V3100401	5/8 X 6 Track Head Bolt & Nut	3121	All Sizes	\$ 5.50	Each
		3122			
V3100403	5/8 X 7 Track Head Bolt & Nut	3123		\$ 8.60	
		3141			
V3100402	5/8 X 6 Stainless Steel Track Head Bolt & Nut	3121	All Sizes	\$ 19.70	Each
		3122			
V3100402S	5/8 X 7 Stainless Steel Track Head Bolt & Nut	3123		\$ 20.10	
		3141			
V3151101	3/8 X 3 Carriage Bolt, Nut & Washer	3140	1/2" - 1 1/2"	\$ 8.00	Each
		3151			
		3152			
V3151102	3/8 x 3 Stainless Steel Carriage Bolt, Nut & Washers	3140	1/2" - 1 1/2"	\$ 14.50	Each
		3151			
		3152			
		3153			
V3151103	7/16 X 4 1/4 Carriage Bolt, Nut & Washer	3140	2" - 5"	\$ 8.50	Each
		3151			
		3152			
		3153			

REPAIR CLAMPS PARTS

Part Number	Component Description	Model Number	Product Size	List Price	Unit
V3151103A	7/16 X 4 1/2 Stainless Steel Carriage Bolt, Nut & Washer	3140	2" - 12"	\$ 18.40	Each
		3151			
		3152			
		3153			
V3151104	7/16 X 5 Carriage Bolt, Nut & Washer	3140	6" -12"	\$ 8.40	Each
		3151			
		3152			
		3153			
V3100304	Gasket Adhesive	All Clamps	All Sizes	POA	Pint

COMPLETE CIRCLE REPAIR CLAMPS BOLT QUANTITY CHART

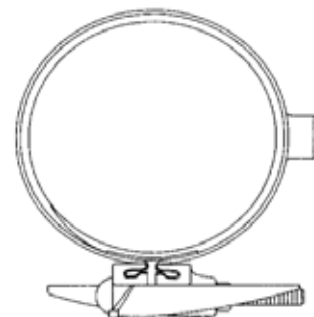
Model	Pipe Size	Repair Clamp Description	Width									Replacement Bolt Description
			6	8	10	12	16	20	24	30	36	
3121	All Sizes	IRON LUG SINGLE PANEL	2	3	4	4	6	8	8	10	12	5/8 X 6 & 7 Track Head Bolt & Nut
3121CS	All Sizes	CAST STAINLESS LUG SINGLE PANEL	-	3	-	4	6	-	9	10	-	5/8 X 6 & 7 Stainless Steel Track Head Bolt & Nut
3121AS	All Sizes	ALL STAINLESS SINGLE PANEL	2	2	3	3	4	5	6	8	9	Not Applicable
3121ASLW	All Sizes	ALL STAINLESS LIGHT WEIGHT	2	2	-	3	-	-	-	-	-	Not Applicable
3122	All Sizes	IRON LUG DOUBLE PANEL	4	6	8	8	12	16	16	20	24	5/8 X 6 & 7 Track Head Bolt & Nut
3122AS	All Sizes	ALL STAINLESS DOUBLE PANEL	4	4	6	6	8	10	12	16	18	Not Applicable
3122AS-HP	4" - 16"	ALL STAINLESS HIGH PRESSURE	-	-	-	-	10	14	16	20	-	5/8 X 7 Stainless Steel Track Head Bolt & Nut
3122AS-HP	18" - 22"	ALL STAINLESS HIGH PRESSURE	-	-	-	-	10	14	16	20	-	3/4 X 7 Stainless Steel Track Head Bolt & Nut
3123	All Sizes	IRON LUG TRIPLE PANEL	-	-	-	-	18	24	24	30	36	5/8 X 6 & 7 Track Head Bolt & Nut
3123AS	All Sizes	ALL STAINLESS TRIPLE PANEL	-	-	-	-	12	15	18	24	27	Not Applicable

SMALL DIAMETER AND SPECIALTY REPAIR CLAMPS BOLT QUANTITY CHART

Model	Pipe Size	Repair Clamp Description	Width								Replacement Bolt Description
			8	10	12	16	20	24	30	36	
3140	3/4" - 1 1/2"	SMALL DIAMETER COLLAR LEAK	1	-	-	2	-	-	-	-	3/8 X 3 Carriage Bolt, Nut & Washer
3140	2" - 2 1/2"	SMALL DIAMETER COLLAR LEAK	1	-	-	2	-	-	-	-	7/16 X 4 1/4 Carriage Bolt, Nut & Washer
3141	All Sizes	IRON LUG COLLAR LEAK	-	-	-	2	3	-	-	-	5/8 X 6 Track Head Bolt & Nut
3143AS	All Sizes	ALL STAINLESS COLLAR LEAK	-	-	-	2	2	-	-	-	Not Applicable
3146	1/2" - 1 1/2"	POWERCOPPER CLAMP	1	-	-	-	-	-	-	-	3/8 X 3 Carriage Bolt, Nut & Washer
3146	2" - 2 1/2"	POWERCOPPER CLAMP	1	-	-	-	-	-	-	-	7/16 X 4 Carriage Bolt, Nut & Washer
3146	3" - 4"	POWERCOPPER CLAMP	1	-	-	-	-	-	-	-	Not Applicable
3151	1/2" - 1 1/2"	PATCH CLAMP	1	-	-	2	-	3	-	4	3/8 X 3 Carriage Bolt, Nut & Washer
3151	2" - 5"	PATCH CLAMP	1	-	-	2	-	3	-	4	7/16 X 4 1/4 Carriage Bolt, Nut & Washer
3151	6" - 12"	PATCH CLAMP	1	-	-	2	-	3	-	4	7/16 X 5 Carriage Bolt, Nut & Washer
3151AS	All Sizes	ALL STAINLESS PATCH CLAMP	-	1	-	-	2	-	-	3	Not Applicable
3151HD	All Sizes	HEAVY DUTY PATCH CLAMP	-	-	2	-	-	-	4	-	5/8 X 6 Track Head Bolt & Nut
3152 - 3153	1/2" - 1 1/2"	SMALL DIAMETER COMPLETE CIRCLE	1	-	-	2	-	3	-	4	3/8 X 3 Carriage Bolt, Nut & Washer
3152 - 3153	2"	SMALL DIAMETER COMPLETE CIRCLE	1	-	-	2	-	3	-	4	7/16 X 4 1/4 Carriage Bolt, Nut & Washer

REPAIR CLAMPS TAPPED OUTLET ADD-ON LIST PRICES

Outlet Size	Thread Type	Add-On List Price	End Code	Minimum Pipe OD	Minimum Clamp Length
3/4"	CC (AWWA)	\$ 63.50	B	2.38"	6"
1"	CC (AWWA)	\$ 63.50	D	2.38"	6"
1 1/4"	CC (AWWA)	\$ 84.70	F	2.88"	8"
1 1/2"	CC (AWWA)	\$ 84.70	H	3.50"	8"
2"	CC (AWWA)	\$ 104.80	J	4.50"	8"
3/4"	IP (NPT)	\$ 63.50	C	2.38"	6"
1"	IP (NPT)	\$ 63.50	E	2.38"	6"
1 1/4"	IP (NPT)	\$ 84.70	G	2.88"	8"
1 1/2"	IP (NPT)	\$ 84.70	I	3.50"	8"
2"	IP (NPT)	\$ 104.80	K	3.50"	8"
3"	IP (NPT)	\$ 265.20	O	6.63"	12"



Model Number	
Repair Clamp	Tapped Clamp
3121	3131
3122	3132
3121AS	3131AS
3122AS	3132AS

To add-on a Tapped Outlet to a Repair Clamp, change the model number as noted above and specify the Tapped Clamp, Outlet Size and Thread Type. Combine the Clamp and Outlet List Prices for a total price. Example: 3121 6C X 12 Tapped Clamp with a 3/4"CC Outlet. Order 3131-6C X 12 X 3/4CC. **Part Number:** 313106C120AB

REPAIR CLAMPS ADD-ON LIST PRICES

Component Description	Part Number	Product Size	List Price	Unit
Fluoro-coat bolt and nut list add on (5/8")	-8	All sizes	\$ 4.20	Per Bolt
Electrical Conductivity Buttons	-3	8 - 16" Width	\$ 45.60	Per Clamp
Electrical Conductivity Buttons	-3	20 - 36"	\$ 55.50	Per Clamp
Never Gall bolt and nut list add on (5/8")	-NG	All sizes	\$7.70	Per bolt

How to order: Add part number -3 at end of part number
 Example: 312106C120AA-SB3

BELL JOINT PARTS

Component Description	Model Number	Product Size	Part Number	List Price	Unit
5/8 X 12 Double End Stud Bolt & Nut	3232	3"-12"	V3232001	\$ 19.00	Each
3/4 X 15 Double End Stud Bolt & Nut	3232*	16"-30"	V3232002	\$ 23.80	Each
1/2 X 1 3/4 Hex Head Segment Bolt & Nut	3232*	4"-8"	V3231005	\$ 9.40	Each
5/8 X 2 Head Segment Bolt & Nut	3232	12"-30"	V3231003	\$ 12.90	Each
5/8 X 1 3/4 T-Head Segment Bolt & Nut	3232	12"-30"	V3231004	\$ 32.50	Each
3/4 X 18 Double End Stud Bolt & Nut**	3232	14"-20"	V3232006	\$ 26.40	Each
3/4 X 20 Double End Stud Bolt & Nut**	3232	24"-30"	V3232007	\$ 24.30	Each
Bell Joint Gasket	3232	3"	V3230031	\$ 77.90	Each
Bell Joint Gasket	3232	4"	V3230041	\$ 81.10	Each
Bell Joint Gasket	3232	6"	V3230061	\$ 85.90	Each
Bell Joint Gasket	3232	8"	V3230081	\$ 90.70	Each
Bell Joint Gasket	3232	10"	V3230101	\$ 114.50	Each

REPAIR CLAMPS TAPPED OUTLET ADD-ON LIST PRICES

Component Description	Model Number	Product Size	Part Number	List Price	Unit
Bell Joint Gasket	3232	12"	V3230121	\$ 132.00	Each
Bell Joint Gasket	3232	14"	V3230141	\$ 140.90	Each
Bell Joint Gasket	3232	16"	V3230161	\$ 149.70	Each
Bell Joint Gasket	3232	18"	V3230181	\$ 250.30	Each
Bell Joint Gasket	3232	20"	V3230201	\$ 268.00	Each
Bell Joint Gasket	3232	24"	V3230241	\$ 310.80	Each
Bell Joint Gasket	3232	30"	V3230301	\$ 407.60	Each

* Also use on Model 3233 A/C Coupling Leak Repair Clamp

** When ordering these sizes for use on C900 installations you must use these bolts

BELL JOINT CLAMP BOLT QUANTITY CHART

Repair Clamp Description	Model Number	Pipe Size	Clamp Size												Replacement Bolt Description
			3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"	30"	
Caulked and Push-On Cast Iron or Ductile Iron Pipe Joints	3232	4" - 8"	-	4	4	4	-	-	-	-	-	-	-	-	1/2 X 1 3/4 Segment Bolt & Nut
		12"-30"	-	-	-	-	-	6	6	6	6	8	8	8	5/8 X 1 3/4 T-Head Bolt & Nut
			-	-	-	-	-	6	6	6	6	8	8	8	5/8 X 2 Hex Head Bolt & Nut
		3"-12"	4	4	6	6	8	9	-	-	-	-	-	-	5/8 X 12 Double End Stud Bolt & Nut
		16"-30"	-	-	-	-	-	-	9	9	9	12	12	16	3/4 X 15 Double End Stud Bolt & Nut
C900 Pipe Joints	3232	14"-20"	-	-	-	-	-	-	9	9	9	12	12	16	3/4 X 18 Double End Stud Bolt & Nut
		24"-30"	-	-	-	-	-	-	-	-	-	-	12	16	3/4 X 20 Double End Stud Bolt & Nut
Class 150 A/C Coupling Pipe Joints	3233	4"-8"	-	4	4	4	-	-	-	-	-	-	-	-	1/2 X 1 3/4 Segment Bolt & Nut
			-	4	6	6	-	-	-	-	-	-	-	-	3/4 X 15 Double End Stud Bolt & Nut

SADDLE & SLEEVE PARTS

SERVICE SADDLE AND TAPPING SLEEVES

Component Description	Model Number	Product Size	Part Number	List Price	Unit
5/16 X 1 1/2 Bronze Screw & Nut	3401 - 3402	1 1/4" - 3"	V3401002	\$ 4.80	Each
3/8 X 2 Bronze Screw & Nut	3401	3 1/2" - 8"	V3401003	\$ 5.00	Each
	3403	10" - 12"			
3/8 X 3 Bronze Screw, Nut & Washer	3401	4" - 12"	V3401011	\$ 6.70	Each
	3403	All Sizes			
1/2 X 3 Bronze Hex Head Bolt & Washer	3407	All Sizes	V3401010	\$ 13.70	Each
Small TwinSeal Gasket (1/2" - 1" Outlets)	Bronze Saddle	All Sizes	V3401004	\$ 4.00	Each
Large TwinSeal Gasket (1 1/4" - 2" Outlets)	Bronze Saddle	All Sizes	V3401005	\$ 9.00	Each
3/4 X 9 Alloy Track Head Bolt & Nut	3460/3490CS	8-24"/14-24"	V3460002	\$ 5.40	Each
3/4 X 9 Stainless Steel Tack Head Bolt & Nut	3460/3490AS	8-24"/14-24"	V3460003	\$ 31.60	Each
5/8 X 7 Alloy Track Head Starter Bolt, Nut & Washer	3460/3490CS	4-6"/4-16"	V3100403	\$ 8.60	Each

REPAIR CLAMPS TAPPED OUTLET ADD-ON LIST PRICES

Component Description	Model Number	Product Size	Part Number	List Price	Unit
5/8 X 7 Stainless Steel Track Head Starter Bolt, Nut & Washer	3460AS/3490	4-16"	V3490001A	\$ 20.10	Each
Flange Face Gasket	3480/3490/3460	2"	V34900002	\$ 16.20	Each
Flange Face Gasket	3480/3490/3460	3"	V34900003	\$ 17.60	Each
Flange Face Gasket	3480/3490/3460	4"	V34900004	\$ 20.70	Each
Flange Face Gasket	3480/3490/3460	6"	V34900006	\$ 21.60	Each
Flange Face Gasket	3480/3490/3460	8"	V34900008	\$ 29.50	Each
Flange Face Gasket	3480/3490/3460	10"	V34900010	\$ 47.80	Each
Flange Face Gasket	3480/3490/3460	12"	V34900012	\$ 58.70	Each
Flange Face Gasket	3480/3490/3460	16"	V34900016	\$ 138.90	Each

TAPPING SLEEVE BOLT QUANTITY CHART

MODEL	Pipe Size	Outlet Size								Bolt Size
		2	3	4	6	8	10	12	16	
3460 CARBON STEEL SLEEVE	4" - 6"	8	8	8	8					5/8" X 7"
	8" - 24"	6	6	6	6	8	10	10	14	3/4" X 9"
SLEEVE WIDTH 3460		12	12	12	12	16	20	20	28	
3490/3460 ALL STAINLESS STEEL	4" - 12"	8	8	10	10	12	16	20		5/8" X 7"
	14" - 16"	8	8	10	10	12	16			5/8" X 7"
	14" - 16"							20	24	3/4" X 9"
	18" - 24"	8	8	10	10	12	16	20	24	3/4" X 9"
SLEEVE WIDTH 3490		12	12	16	16	20	24	30	36	

Model	Pipe Size	Outlet Size								Stud Size
		2	3	4	6	8	10	12		
3480	4" - 14"	6	6	8	8	10				5/8"
	10" - 14"						12	14		3/4"
	16" - 24"	9	9							5/8"
	16" - 18"							14		5/8"
	16" - 24"			15	15	18	18			3/4"
	20" - 24"							18		3/4"
SLEEVE WIDTH 3480		12	12	16	16	20	20	24		

COUPLING PARTS

Component Description	Model Number	Product Size	Part Number	List Price	Unit
5/8 X 3 T-Head Bolt & Nut	3521	4"	V3500001	\$ 10.00	Each
5/8 X 5 3/4 T-Head Bolt & Nut			V3500004	\$ 17.10	Each
5/8 X 4 1/2 Alloy Track Head Bolt & Nut	3520	6" - 12"	V3450001	\$ 13.20	Each
	3521				Each
3/4 X 3 1/2 Hex Head Bolt & Nut	3521	6" - 8"	V3500002	\$ 11.60	Each
7/8 X 4 Hex Head Bolt & Nut		10" - 12"	V3500003	\$ 14.40	Each
5/8 X 7 Alloy Track Head Bolt & Nut	3501	2" - 2 1/2"	V3100403	\$ 8.60	Each
5/8 X 9 1/2 Alloy Track Head Bolt & Nut		3" - 8"	V3500006	\$ 11.30	Each
5/8 X 9 1/2 Stainless Steel Track Head Bolt & Nut			V3500006S	\$ 21.90	Each
5/8 X 11 Alloy Track Head Bolt & Nut	3501/3506	10" - 20"/2"-6"	V3500007	\$ 11.80	Each
5/8 X 11 Stainless Steel Track Head Bolt & Nut			V3500007S	\$ 23.40	Each
5/8 X 15 Alloy Track Head Bolt & Nut	3506	8" - 10"	V3500020	\$ 13.10	Each
5/8 X 15 Stainless Steel Track Head Bolt & Nut			V3500020S	\$ 39.80	Each
5/8 X 16 Alloy Track Head Bolt & Nut	3501/3506	24" - 30"/12" - 14"	V3500008	\$ 13.40	Each
5/8 X 16 Stainless Steel Track Head Bolt & Nut			V3500008S	\$ 39.80	Each
3/4 X 24 Alloy Track Head Bolt & Nut	3501	36" - 48"	V3500023	\$ 23.90	Each
3/4 X 24 Stainless Steel Track Head Bolt & Nut			V3500023S	\$ 113.90	Each
3/4 x 18 Alloy Track Head Bolt & Nut	3506	16"	V3500022	\$ 16.70	Each
3/4 x 18 Stainless Steel Track Head Bolt & Nut			V3500022S	\$ 79.70	Each
3/8 NPT Stainless Steel Anchor Stud for Adapters	3520	4" - 12"	V35210AS	\$ 52.30	Each
	3521				Each
O-Ring For Flange Adapter	3521	4"	V35211041	\$ 19.60	Each
O-Ring For Flange Adapter		6"	V35211061	\$ 25.60	Each
O-Ring For Flange Adapter		8"	V35211081	\$ 25.70	Each
O-Ring For Flange Adapter		10"	V3521101	\$ 27.30	Each
O-Ring For Flange Adapter		12"	V3521121	\$ 34.20	Each
End Cap (Only) with 2" NPT Plug	3501	4"	V3500E04	\$ 55.10	Each
End Cap (Only) with 2" NPT Plug		6"	V3500E06	\$ 65.40	Each
End Cap (Only) with 2" NPT Plug		8"	V3500E08	\$ 111.50	Each
End Cap (Only) with 2" NPT Plug		10"	V3500E10	\$ 135.90	Each
End Cap (Only) with 2" NPT Plug		12"	V3500E12	\$ 182.50	Each

COUPLING / ADAPTER BOLT QUANTITY CHART

Model	Pipe Size	Coupling / Adapter Size																Replacement Bolt Description
		2	2 1/2	3	4	6	8	10	12	14	16	18	20	24	30	36	48	
3501	2" - 2 1/2"	2	2															5/8 X 7 1/2 Track Head Bolt & Nut
	3" - 8"			3	4	5	6											5/8 X 9 1/2 Track Head Bolt
	10" - 20"							7	8	9	10	12	12					5/8 X 11 Track Head Bolt & Nut
	24" - 30"													14	16			5/8 X 16 Track Head Bolt & Nut
	36" - 48"															16	20	3/4 X 24 Track Head Bolt & Nut
3501LB	2" - 12"	2	2	3	4	5	6	7	8									5/8 X 16 Track Head Bolt & Nut
	14" - 20"									9	10	12	12					5/8 X 18 Track Head Bolt & Nut
	24"													14				5/8 X 24 Track Head Bolt & Nut
3506	2" - 6"	2		3	4	5												5/8 X 11 Track Head Bolt & Nut
	8" - 10"						6	7										5/8 X 15 Track Head Bolt & Nut
	12" - 14"								8	10								5/8 X 16 Track Head Bolt & Nut
	16"										10							3/4 X 18 Track Head Bolt & Nut
3520	4" - 16"				4	5	6	7	8		10							5/8 X 4 1/2 Track Head Bolt & Nut
3521	4"				8													5/8 X 3 T-Head Bolt & Nut
	4"				4													5/8 X 5 3/4 T-Head Bolt & Nut
	6" - 12"					5	6	7	8									5/8 X 4 1/2 Track Head Bolt & Nut
	6" - 8"					8	8											3/4 X 3 1/2 Hex Head Bolt & Nut
	10" - 12"							12	12									7/8 X 4 Hex Head Bolt & Nut

CAST COUPLINGS- TRANSITION COMPONENTS

Nom Pipe Size	Color Code	Part Number	Gland Price	Part Number	Gasket Price	Part Number	Barrel Price
2	BLUE	V3500201	\$ 13.00	V3500202	\$ 6.80	V3500200	\$ 20.20
2 1/2	BLUE	V3500251	\$ 13.70	V3500252	\$ 13.60	V3500250	\$ 26.10
3A	BLUE	V35003A1	\$ 16.80	V35003A2	\$ 15.10	V3500300	\$ 29.10
3B	BLACK	V35003B1		V35003B2			
3C	GREY	V35003C1		V35003C2			
4AA	GREEN	V35004AA1	\$ 19.40	V3504AA2	\$ 21.70	V3500400	\$ 39.80
4A	BLUE	V35004A1		V35004A2			
4B	BLACK	V35004B1		V35004B2			
4C	GREY	V35004C1		V35004C2			
40D	WHITE	V350040D1		V35040D2			
6AA	GREEN	V35006AA1	\$ 27.90	V3506AA2	\$ 28.40	V3500600	\$ 52.10
6A	BLUE	V35006A1		V35006A2			
6B	BLACK	V35006B1		V35006B2			
6C	GREY	V35006C1		V35006C2			
60D	WHITE	V350060D1		V35060D2			
8AA	GREEN	V35008AA1	\$ 36.30	V3508AA2	\$ 30.40	V3500800	\$ 67.30
8A	BLUE	V35008A1		V35008A2			
8B	BLACK	V35008B1		V35008B2			
8C	GREY	V35008C1		V35008C2			
80D	WHITE	V350080D1		V35080D2			

CAST COUPLINGS- TRANSITION COMPONENTS

Nom Pipe Size	Color Code	Part Number	Gland Price	Part Number	Gasket Price	Part Number	Barrel Price
10A	BLUE	V35010A1	\$ 43.40	V35010A2	\$ 41.70	V3501000	\$ 119.80
10B	BLACK	V35010B1		V35010B2			
10C	GREY	V35010C1		V35010C2			
12A	BLUE	V35012A1	\$ 54.50	V35012A2	\$ 46.50	V3501200	\$ 142.30
12B	BLACK	V35012B1		V35012B2			
12C	GREY	V35012C1		V35012C2			

Nom Pipe Size	Color Code	Part Number	Gland Price	Part Number	Gasket Price	Part Number	Barrel Price
14A	BLUE	V35014A1	\$ 114.30	V35014A2	\$ 77.20	V3501400	\$ 234.90
14B	BLACK	V35014B1		V35014B2			
14C	GREY	V35014C1		V35014C2			
16A	BLUE	V35016A1	\$ 159.40	V35016A2	\$ 118.70	VB3501600	\$ 267.50
16B	BLACK	V35016B1		V35016B2			
16C	GREY	V35016C1		V35016C2			
18A	BLUE	V35018A1	\$ 228.70	V35018A2	\$ 65.20	V3501800	\$ 435.50
18B	BLACK	V35018B1		V35018B2			
18C	GREY	V35018C1		V35018C2			
20A	BLUE	V35020A1	\$ 307.30	V35020A2	\$ 67.30	V3502000	\$ 504.60
20B	BLACK	V35020B1		V35020B2			
20C	GREY	V35020C1		V35020C2			
24A	BLUE	V35024A1	\$ 493.80	V35024A2	\$ 91.10	V3502400	\$ 1,004.40
24B	BLACK	V35024B1		V35024B2			
30A	BLUE	V35030A1	\$ 666.70	V35030A2	\$ 330.00	V3503000	\$ 1,864.30
30B	BLACK	V35030B1		V35030B2			
36AA	GREEN	V35036AA1	\$ 4,075.10	V35036AA2	\$ 604.30	V3503600	\$ 6,799.40
36A	BLUE	V35036A1		V35036A2			
36B	BLACK	V35036B1		V35036B2			
36C	GREY	V35036C1		V35036C2			
48AA	GREEN	V35048AA1	\$ 5,019.80	V35048AA2	\$ 627.50	V3504800	\$ 9,955.50
48A	BLUE	V35048A1		V35048A2			
48B	BLACK	V35048B1		V35048B2			
48C	GREY	V35048C1		V35048C2			