



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

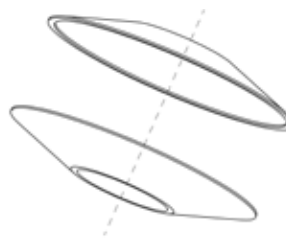
- Maximum operating pressure: 150 PSI (150 Mpa)
- Temperatures ranges: 32° - 75°F (0° - 23.9° C)
- Manufacturing standard: AWWA/ANSI C906-90
- Underground service only
- Pipe Stiffeners must be placed in each pipe end when used on mechanical bolt on fittings
- Clamp and sleeve width must exceed pipe diameter
- Pipe SDR (wall thickness) no more than 17 (PN-10)
- Each bolt must have four spring washers

KEY PROPERTIES INHERENT WITH HDPE

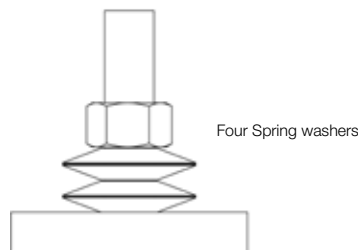
- Toe in happens when HDPE is cut which can alter the ability of any sleeve or saddle to seal and affect the installation of stiffeners.
- The coefficient of thermal expansion is over 10 times that of ductile and steel pipe and 3 times as much as PVC. This equates to the possibility of shrinkage at these 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



Four 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.

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: 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		
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-0-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	3412030200J-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	3412035200J-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	3412040200J-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	\$ 269.00						
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	\$ 282.90						
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	\$ 398.00						
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	\$ 349.60						
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	\$ 357.60						
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	\$ 462.10						
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	
									1 1/4 CC	341624B125TF-PE	\$ 637.60
									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	341630A200J-PE								
		2 NPT	341630A200TK-PE								
		2 1/2 FIP	341630A250TL-PE								
		3 FIP	341630A300TP-PE								
		30	750	32.00 - 33.20	813 - 843	8	200	B	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	341630B200J-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	341636A200J-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						
		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								
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									
				45.50 - 46.70	1156 - 1186	8	200	C	2 CC	341642B200TJ-PE	\$ 1,687.30	
									2 NPT	341642B200TK-PE		
									2 1/2 FIP	341642B250TL-PE		
									3 FIP	341642B300TP-PE		
									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	\$ 1,687.30			
							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	\$ 1,929.10	
									2 NPT	341648A200TK-PE		
									2 1/2 FIP	341648A250TL-PE		
									3 FIP	3416428300TP-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	
		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						
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	
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	
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	

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	
		2 NPT	342210A200TJ-PE	\$ 371.50			
		2 CC	342210A200TK-PE				
		10.95 - 12.35	278 - 314	B	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	
		2 NPT	342214A200TJ-PE	\$ 428.90			
		2 CC	342214A200TK-PE				
		15.40 - 16.70	391 - 424	B	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	
2 CC	342216B200TK-PE	\$ 437.60					
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	
2 CC	342218A200TK-PE	\$ 470.60					
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	
2 CC	342220A200TK-PE	\$ 470.63					
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	
2 CC	342224A200TK-PE	\$ 470.63					

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 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-0-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 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 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	

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	
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 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-0-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 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 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

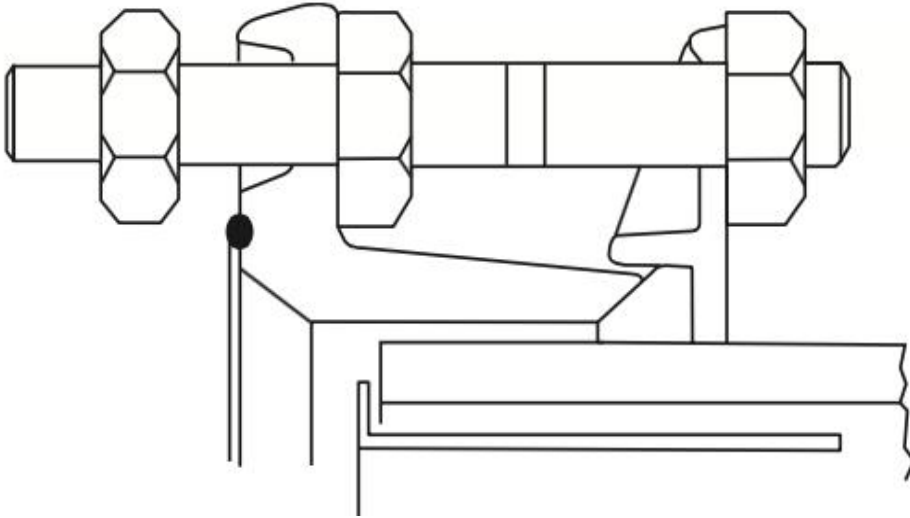
Other ranges, tap sizes available upon request.

*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.