Clamp-It PVC Tapping Saddles

The Clamp-It Tapping saddles allow you to tap into existing piping systems without having to cut out and insert a tee. The O-ring and O-ring groove are designed so that there is no gap between the installed saddle and the pipe. When pressure is applied the pipe compression is replaced by the fluid pressure without increasing the pressure on the saddle. The hinge design eliminates the need for two clamping wedges. The clamping wedge equally distributes the pressure over the entire width of the saddle. It locks and aligns the saddle top and bottom into proper position.

Applications

- Variable grade pressure sewer systems
- Pressure water systems
- Golf club irrigation
- Mobile home parks

Notes:

- Meets ASTM D-1784 cell classification 12454B and ASTM D-2241; D-2466 and 1599 for dimensions and testing performance.

SIZE	3/4" TAP	1" TAP	1 1/4" TAP	1 1/2" TAP	2" TAP
IPS SLIP					
2"	432007	432010	432012	432015	
2-1/2"	432507	432510	432512	432515	432520
3"	453007	453010	453012	453015	453020
4"	454007	454010	454012	454015	454020
6"	456007	456010	456012	456015	456020
8"	458007	458010	458012	458015	458020
IPS FIPT					
2"	422007	422010	422012	422015	
2-1/2"	422507	422510	422512	422515	422520
3"	443007	443010	443012	443015	443020
4"	444007	444010	444012	444015	444020
6"	446007	446010	446012	446015	446020
8"	448007	448010	448012	448015	448020

Bolt-on Pipe Saddles

Features:

Maximum Pressure rating at 20C (68F)

- 235 psi (16 bar)

Maximum Temperature

- 100C (212F)

Standards

- Conform to Standards ANSI/ ASME B1.20.1., ASTM, D3035, F714 and AWWA C-901/906

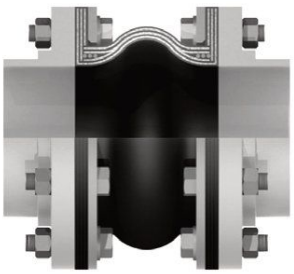
Chemline PS Series Bolt-on pipe saddles are for IPS size PVC or HDPE piping. Made of solid polypropylene, these fittings are durable and impact resistant. They are ideal for outdoor applications in irrication and also widely used on water treatment skids. Polypropylene also has excellent chemical resistance.

The female threaded branch comes standard with a 204 stainless steel reinforcing ring. Pipe saddles are normally supplied with a 304 stainless steel bolt, but are available special order with galvanized steel bolts at lower cost.

IPS PIPE SIZE (IN)	BRANCH FNPT (IN)	PART NUMBER
1-1/2	1/2	PSBR015-005-304
1-1/2	3/4	PSBR015-007-304
1-1/2	1	PSBR015-010-304
2	1/2	PSBR020-005-304
2	3/4	PSBR020-007-304
2	1	PSBR020-010-304
3	1/2	PSBR030-005-304
3	3/4	PSBR030-007-304
3	1	PSBR030-010-304
3	1-1/4	PSBR030-012-304
3	1-1/2	PSBR030-015-304
4	1/2	PSBR040-005-304
4	3/4	PSBR040-007-304
4	1	PSBR040-010-304
4	1-1/4	PSBR040-012-304
4	1-1/2	PSBR040-015-304
4	2	PSBR040-020-304
6	1/2	PSBR060-005-304
6	3/4	PSBR060-007-304
6	1	PSBR060-010-304
6	1-1/4	PSBR060-012-304
6	1-1/2	PSBR060-015-304
6	2	PSBR060-020-304

Expansion Joints

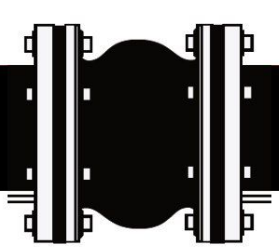
Proco 261R Series Molded Wide Arch Expansion Joints



Molded Wide Arch Expansion Joints are specifically designed for use with Plastic or FRP Piping Systems. PROCO Style 261R have lower spring forces to compress, extend or laterally offset and can be used on plastic or FRP pipes, pumps, valves and tanks without fear of the expansion joint being stronger than the pipe, pump, valve or tank flanges. These expansion joints may be used where metallic hoses/expansion joints or old design rubber expansion joints may have been specified previously. Used on plastic tanks, pumps, chillers, cooling towers, compressors, blowers, fans, absorption machines, etc to: (1) Absorb Pipe Movements/Stress, (2)Reduce System Noise, (3) Isolate Mechanical Vibrations, (4) Compensate Alignment/Offset, (5) Eliminate Electrolytic Action and Electrolysis, (6) Protect Against Start-Up/Surge Forces.

STYLE 261R SINGLE MOLDED WIDE ARCH PERFORMANCE DATA

EXPANSION JOINT SIZE NOM. I.D. X INCH (MM)	NEUTRAL LENGTH INCH (MM)	261R MOVEMENT CAPABILITY: FROM NEUTRAL POSITION 1 SPRING RATES OPERATING						SPRING RATES LB/IN (N/MM)			OPERATING CONDITIONS 2		WEIGHTS LBS3 (KGS)		
		AXIAL COMPRESSION INCH (MM)	AXIAL EXTENSION INCH (MM)	LATERAL DEFLECTION INCH (MM)	ANGULAR DEFLECTION 4 (DEGREES)	TORSIONAL ROTATION 5 (DEGREES)	THRUST FACTOR 6 IN2 (CM2)	FORCE POUNDS FOR 1" AXIAL COMPRESSION	FORCE POUNDS FOR 1" AXIAL EXTENSION	FORCE POUNDS FOR 1" LATERAL DEFLECTION	POSITIVE PSIG / (BAR)	VACUUM INCHES OF HG / (MM OF HG)	EXPANSION JOINT	RETAINING RING SET	CONTROL UNIT ASSEMBLY 7
1.5 (40)	6 (150)	1.5 (38)	0.625 (16)	0.750 (19)	28	5	11.04 (71)	126 (22)	182 (32)	149 (26)	225 (15.5)	24 (610)	1.3 (0.59)	2.5 (1.1)	2.3 (1.0)
2 (50)	6 (150)	1.5 (38)	0.625 (16)	0.750 (19)	25	5	14.18 (92)	132 (23)	158 (28)	130 (23)	225 (15.5)	24 (610)	1.7 (0.77)	4.0 (1.8)	2.8 (1.3)
2.5 (65)	6 (150)	1.5 (38)	0.625 (16)	0.750 (19)	20	5	17.71 (114)	128 (22)	141 (25)	111 (19)	225 (15.5)	24 (610)	2.1 (0.95)	4.5 (2.0)	2.8 (1.3)
3 (80)	6 (150)	1.5 (38)	0.625 (16)	0.750 (19)	18	5	21.64 (140)	139 (24)	208 (36)	133 (23)	225 (15.5)	24 (610)	2.4 (1.0)	5.5 (2.5)	2.8 (1.3)
4 (100)	6 (150)	1.5 (38)	0.625 (16)	0.750 (19)	14	4	30.66 (198)	110 (19)	180 (32)	105 (18)	225 (15.5)	24 (610)	3.2 (1.4)	6.0 (2.7)	2.8 (1.3)
5 (125)	6 (150)	1.5 (38)	0.625 (16)	0.750 (19)	13	4	41.26 (266)	143 (25)	190 (33)	136 (24)	225 (15.5)	24 (610)	3.6 (1.6)	8.5 (3.9)	4.0 (1.8)
6 (150)	6 (150)	1.5 (38)	0.625 (16)	0.750 (19)	12	4	53.43 (345)	136 (24)	166 (29)	147 (26)	225 (15.5)	24 (610)	4.9 (2.2)	9.5 (4.3)	4.0 (1.8)
8 (200)	6 (150)	1.5 (38)	0.625 (16)	0.750 (19)	12	4	82.47 (532)	226 (40)	230 (40)	210 (37)	210 (14.8)	24 (610)	7.7 (3.5)	14.5 (6.6)	8.0 (3.6)
10 (250)	8 (200)	2.25 (57)	0.750 (19)	1.0 (25)	12	4	135.13 (872)	248 (43)	381 (67)	281 (49)	210 (14.8)	24 (610)	13.9 (6.3)	17.0 (7.7)	10.0 (4.5)
12 (300)	8 (200)	2.25 (57)	0.750 (19)	1.0 (25)	11	4	179.46 (1158)	378 (66)	493 (86)	409 (72)	210 (14.8)	24 (610)	19.5 (8.8)	24.5 (11.0)	10.0 (4.5)
14 (350)	8 (200)	2.25 (57)	0.750 (19)	1.0 (25)	11	3	230.08 (1484)	423 (74)	592 (104)	497 (87)	150 (10.3)	24 (610)	22.7 (10.3)	27.0 (12.3)	12.0 (5.4)
16 (400)	8 (200)	2.25 (57)	0.750 (19)	1.0 (25)	10	3	286.98 (1852)	432 (74)	606 (106)	509 (89)	150 (10.3)	24 (610)	26.8 (12.2)	33.5 (15.3)	15.0 (6.8)
18 (450)	8 (200)	2.25 (57)	0.750 (19)	1.0 (25)	8	3	350.15 (2259)	543 (95)	761 (133)	690 (121)	150 (10.3)	24 (610)	29.5 (13.4)	34.0 (15.5)	16.0 (7.2)
20 (500)	8 (200)	2.25 (57)	0.750 (19)	1.0 (25)	8	3	419.61 (2707)	628 (110)	829 (145)	776 (136)	150 (10.3)	24 (610)	31.8 (17.3)	38.0 (17.3)	16.0 (7.2)



Applications:

- Chemical & Petrochemical
- Pulp Paper
- Process Facilities
- Industrial Piping Pollution Control Systems

STYLE 261R AVAILABLE STYLES & MATERIALS

261-R*	PROCO MATERIAL CODE	COVER** ELASTOMER	TUBE ELASTOMER	MAX. OPERATING TEMP. °F (°C)	BANDING LABEL COLOR	F.S.A. MATERIAL CLASS
X	/BB	Chlorobutyl	Chlorobutyl	250 (121)	Black	STD. III
S	/EE	EPDM	EPDM	250 (121)	Red	STD. III
S	/NH	Neoprene	CSM	212 (100)	Green	STD. II
X	/NN	Neoprene	Neoprene	225 (107)	Blue	STD. II
S	/NP	Neoprene	Nitrile	225 (107)	Yellow	STD. II

Notes:

All products are reinforced with tire cord and metal materials.

** Products mark (S) are in stock items.*

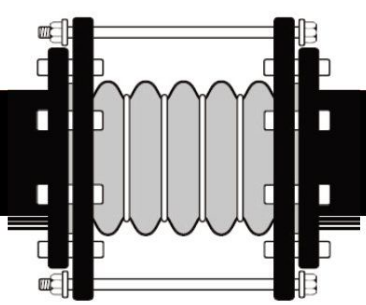
*** All NN, NH & NP elastomer designated joints meet the Coast Guard Requirements and conform to ASTM F 1123-87.*

Proco 440 Series Molded PTFE Expansion Joints

440 Series PTFE (TEFLON) expansion joints are available from 1"-20" designed for demanding corrosive applications, where typical Rubber style expansion joints cannot perform. These are great for expansion/ contraction compensation for tank connections, industrial process piping connections, pump connections, or any chemical related process connection.

Available styles include:

- Style 442-BD: Features two convolutions for minimal movements, higher pressure/temperature ratings and short face-to-face opening requirements. Style 442-BD sizes range from 1" to 2" diameter.
- Style 443-BD: Features three convolutions and is designed for moderate movement and ease of system installation. Style 443-BD sizes range from 1" to 24" diameter.
- Style 445-BD: Features five convolutions, and is designed for maximum movements, low pressure/ temperature ranges, vibration reduction and greater face-to-face lengths. Style 445-BD sizes range from 1" to 20" diameter.
- Style 440-BE: Features varying Neutral Lengths with Styles' 440-BD Limit Bolts.



Expansion Joints

Spears® - PVC & CPVC Expansion Joints

Features:

- PVC or CPVC & Bonded Elastomer Construction
- Double Spherical Arch, Reinforced Tube
- Convenient Double Union (True Union) Connectors
- Pressure Rated to 150 psi, Plus Vacuum Service
- Elastomer Material: EPDM listed, Neoprene also available

SIZE (IN)	PVC PART NUMBER	PVC REINFORCED PART NUMBER	CPVC PART NUMBER	CPVC REINFORCED PART NUMBER
3/4	EJ22-007S	EJ21-007SRS	EJ22-007CS	EJ21-007CSRS
1	EJ22-010S	EJ21-010SRS	EJ22-010CS	EJ21-010CSRS
1 1/4	EJ22-012S	EJ21-012SRS	EJ22-012CS	EJ21-012CSRS
1 1/2	EJ22-015S	EJ21-015SRS	EJ22-015CS	EJ21-015CSRS
2	EJ22-020S	EJ21-020SRS	EJ22-020CS	EJ21-020CSRS
2 1/2	EJ22-025S	EJ21-025SRS	EJ22-025CS	EJ21-025CSRS
3	EJ22-030S	EJ21-030SRS	EJ22-030CS	EJ21-030CSRS

PVC & CPVC S80 Expansion Joints

These expansion joints are fabricated from either PVC or CPVC and are available for Iron pipe sizes from 1/2" to as high as 12". They contain multi O-ring Viton® Seals with "Wiper" O-ring and requires no repair or replacement.

		6" TRAVEL EXPANSION JOINTS		12" TRAVEL EXPANSION JOINTS	
SIZE	PSI RATING @ 73°F	PVC	CPVC	PVC	CPVC
1/2	340	826-005X6	526-005X6	826-005X12	526-005X12
3/4	340	826-007X6	526-007X6	826-007X12	526-007X12
1	320	826-010X6	526-010X6	826-010X12	526-010X12
1-1/4	260	826-012X6	526-012X6	826-012X12	526-012X12
1-1/2	240	826-015X6	526-015X6	826-015X12	526-015X12
2	200	826-020X6	526-020X6	826-020X12	526-020X12
2-1/2	190	826-025X6	526-025X6	826-025X12	526-025X12
3	190	826-030X6	526-030X6	826-030X12	526-030X12
4	160	826-040X6	526-040X6	826-040X12	526-040X12
6	130	826-060X6	526-060X6	826-060X12	526-060X12
8	120	826-080X6	526-080X6	826-080X12	526-080X12
10	110	826-100X6	526-100X6	826-100X12	526-100X12
12	100	826-120X6	526-120X6	826-120X12	526-120X12