

CARBON STEEL PRESS FITTINGS

DESIGNED FOR GAS & FUEL/OIL PIPING SYSTEMS



JOB NAME	CONTRACTOR
JOB LOCATION	WHOLESALER
ENGINEER	DATE

Product Description:

Titanpress G Carbon Steel Press fittings designed for use in gas and fuel oil applications utilizing ASTM A53, Schedule 10 to Schedule 40 carbon steel pipe. Titanpress G Carbon Steel Press fittings are compatible with most common black iron pipe pressing tools and jaws. Fittings contain QuadGrip™ interlaced grip teeth to provide superb fitting-to-pipe grip and stability. Fittings are color coded with yellow dot and removable sticker to notate its HNBR sealing element for gas and fuel oil application. Designed with Smart Press leak-before-press system help ensure all connection have been pressed.

15 Year Limited Warranty for approved gas and fuel oil applications (non-industrial and non-marine applications)

Features and Advantages:

- For use with Sch. 5 to Sch. 40 Carbon Steel Pipe
- Available in diameters 1/2" - 2" (2-1/2" - 4" coming soon)
- Broad offering of 200+ fitting configurations
- QuadGrip™ Interlaced Grip Teeth Provide 360° stability
- Products color coded for easy identification
- Smart Press LBP (Leak Before Press) system

Compatible Pipe:

- ASTM A53 Schedule 5 to Schedule 40 carbon steel pipe

Components:

- Carbon steel body with zinc/nickel corrosion-resistant coating
- HNBR Sealing element
- 420 stainless steel grip ring
- 304 stainless steel separator ring

Operating Performance:

- Operating Pressure: 125 psi max for fuel gas applications
200 PSI Max for other approved applications
- Test Pressure: 600 psi max
- Temperature Range: -40°F to 180°F for fuel gas applications

Certificates and Listings:

- CSA: ANSI LC 4a/CSA 6.32a
- IAPMO: ANSI LC 4a/CSA 6.32a

Approved Systems:

- Natural Gas (up to 125 PSI)
- Propane (up to 125 PSI)
- Mineral Oil (up to 200 PSI)
- Compressed Air (up to 200 PSI)
- Nitrogen (up to 200 PSI)
- Heating Fuel Oil (up to 125 PSI)

Complies With:

- Uniform Mechanical Code (UMC)
- Uniform Plumbing Code (UPC)
- NFPA 54 and 58
- International Mechanical Code (IMC)
- International Plumbing Code (IPC)
- International Fuel Gas Code (IFGC)
- ASME B31: Code for Pressure Piping




Approved Applications

Types of Service	Comments	Pressure	Temperature	Compatible with
				HNBR
Fuel, Oil & Lubricants				
Mineral Oil	-	200 PSI	Ambient ³	•
Lube Oil	Petroleum Based		Up to 150°F	•
Propane	-	125 PSI	-40°F to 180°F	• ⁴
Butane	-			• ⁴
Natural Gas	Primarily Methane			• ⁴
Heating Fuel Oil	-		Up to 100°F	•
Diesel Fuel	-			•
Gases				
Compressed Air	Less than / Equal 25mg/m3 Oil Content	200 PSI	140°F	• ²
Compressed Air	More than / Equal 25mg/m3 Oil Content			• ²
Nitrogen - N2	-			•
Argon - Ar	-			•
Carbon Dioxide - CO2	Dry			•
Hydrogen - H2	-	125 PSI		•
Vacuum	Minimum Absolute Pressure Maximum Differential Pressure	750 µm Hg 29.2" Hg	Up to 160°F	•
Acetylene	Test Pressure 350 PSI	20 PSI	Ambient ³	•

1. System pressure and temperature ranges depend on sealing element. Any ranges listed above will be overruled by the sealing element limits below:
2. System must contain adequate condensate drainage
3. Ambient temperatures should be taken as normal operating conditions for the applications not to exceed sealing element limitations.
4. Compliant with CSA 6.32 / ANSI LC-4.

Sealing Elements Overview:

Sealing Element	Identification	Description
HNBR Operating Temp: -40°F to 180°F	 Yellow Dot on Fitting With Yellow Sealing Element	HNBR is known for its physical strength and retention of its properties after long-term exposure to heat, oil, and chemicals. It is not suitable for food contact applications and cannot be installed in drinking water applications.

TOOL & INSTALL GUIDELINES

Tools and Jaw Compatibility

Titanpress Carbon Steel Press fittings are compatible with most common black iron pipe pressing tools and jaws. Below are Common recommended tool models:

SIZE	TOOL
1/2" - 1" ONLY	Milwaukee M12™ FORCELOGIC™ w/ Compact Jaws
1/2" - 3/4"	Rems Radial Press Compact w/ Compact Jaws Ridgid RP Series Compact w/ Compact Jaws
1/2" - 2"	Milwaukee M18™ FORCE LOGIC™ Press Tool w/ Standard Jaws Milwaukee M18™ FORCE LOGIC™ Long Throw Press Tool w/ Standard Jaws Rems Radial Press Standard w/ Standard Jaws Ridgid RP Series Standard w/ Standard Jaws

For additional information regarding tools and/or jaw sets, refer to individual tool manufacturer websites and tool manuals. Be sure to follow the instructions specific to the brand of tool and jaw set being used.

Threaded Fittings Near Press Connections

To avoid torsion on press fitting, all threaded connections must be tightened before press connections are made.

Welding in Proximity of Press Connection

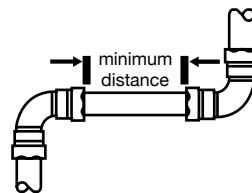
Installer must maintain proper welding distances from fitting. If welding adjacent to connection, weld a minimum of four inches away. If welding in line with the connection, weld a minimum of three feet away. Installer must always make sure to keep the press connection cool by using weld blanket, cool wet rag, or applying heat sink gel/spray or spot freezing. It is suggested all welds be completed before any press connections are made.

Underground Burial

Titanpress Carbon Steel fittings are approved for underground use and must be protected against corrosion in accordance with NFPA 54 section 404.8, NACE Standard RP0169-2002 section 5, 2009 UPC Chapter 6 section 609.3.1, 2009 UMC Chapter 13 section 1312.1.3, and in accordance with all local and national codes. Underground joints should be wrapped and protected in an impermeable coating system designed to protect joints from moisture, debris, corrosion and other soil stresses.

Minimum Distance Between Press Connections

PIPE DIAMETER	MINIMUM DIAMETER
1/2" - 1"	1/4" (6mm)
1-1/4" - 4"	1/2" (13mm)



Leak Detection

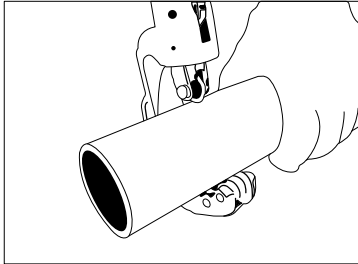
Titanpress fittings are designed with SmartPress LBP (Leak Before Press) system, providing quick and easy identification of unpressed connections during a pressure test. Unpressed connections are located by pressurizing system with air or water. Test with compressed air @ 1/2 to 45 psi or water @ 15 to 85 PSI. Following a successful test, the system may be pressure tested up to 600 PSI for water and 200 PSI for air.



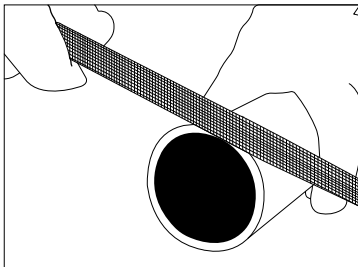
TITANPRESS™

INSTALLATION INSTRUCTIONS

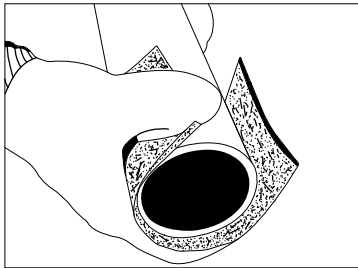
WARNING! Keep extermities and foreign objects away from press tool during pressing operation to prevent injury or incomplete press. Keep end of piping 4" away from the contact area of vise to prevent possible damage to the piping in the press area.



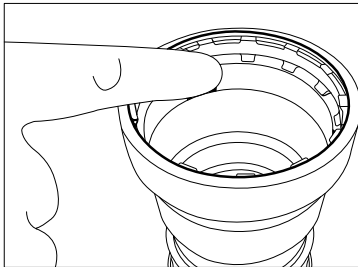
1) Cut the pipe square using a displacement-type cutter or fine-toothed saw.



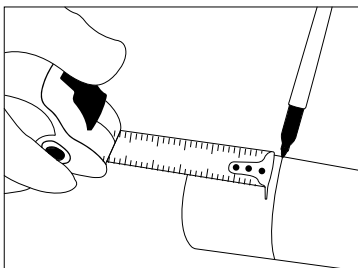
2) Remove burr from outside of piping and prep to proper insertion depth using a file or deburr tool.



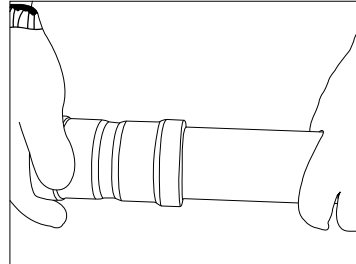
3) Sand pipe OD to proper insertion in depth. Pipe surface must be smooth and free of rust, indentation, deformations and pipe coating. Be sure surface is free of dirt, debris, oil and grease.



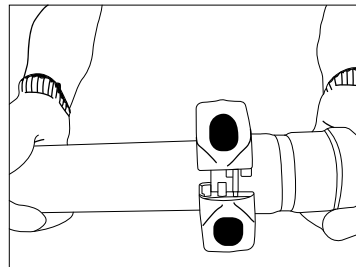
4) Check fitting ends to ensure seal, grip ring and spacer are present. Be sure that sealing ring is proper type for installed application.



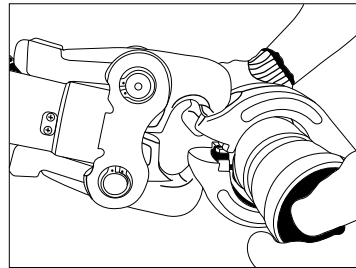
5) Measure insertion depth. Mark the proper insertion depth on the outside of the pipe. The depth marking shall be visible on the complete assembly. (See chart below)



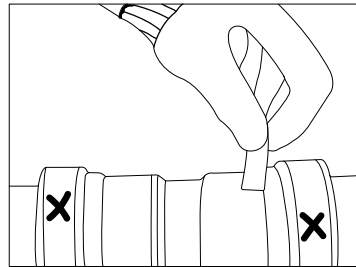
6) Slide fitting on to pipe to the marked depth.



7) Select proper Jaw and put on fitting. See tool manufacturer's manual for proper tool instructions.



8) For 1/2" to 1" fittings, place press jaw at a right angle over fitting bead. For 1-1/4" - 2" fittings, place press-ring at a right angle over fitting bead and check for proper engagement. Start the pressing process.



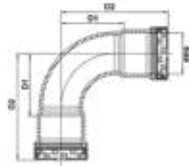
9) Remove sticker from each pressed end once crimping process is complete to verify the connection has been made. Pressed joint may also be marked with an "X" for added confirmation.

WARNING: Designed to be installed by licensed plumbing and mechanical professionals who are trained with carbon steel press products and their installation. **Installation by non-professionals may void TitanPress warranty.**

Insertion Depth Chart (1/2" - 2")						
Pipe Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Insertion Depth	1-1/8"	1-1/4"	1-3/8"	1-7/8"	2"	2"

90° Elbow

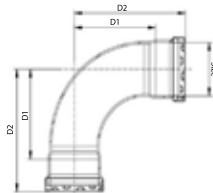
P x P



PART #	SIZE	BG	CS	WEIGHT	D1	D2
TPLN0012G	1/2"	5	60	0.430	1.55	2.62
TPLN0034G	3/4"	5	35	0.600	1.88	3.03
TPLN0100G	1"	5	20	1.030	2.3	3.64
TPLN0114G	1-1/4"	1	12	1.546	2.6	4.42
TPLN0112G	1-1/2"	1	10	1.958	2.91	4.78
TPLN0200G	2"	1	8	2.879	3.59	5.6

90° Elbow XL

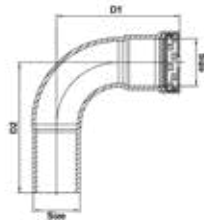
P x P



PART #	SIZE	BX	CS	WEIGHT	D1	D2
TPLN0212G	2-1/2"	1	5	3.657	4.90	6.69
TPLN0300G	3"	1	5	5.236	5.73	8.03
TPLN0400G	4"	1	3	8.690	7.28	10.43

90° Street Elbow

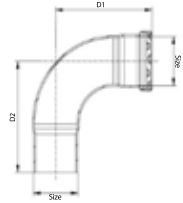
P x P



PART #	SIZE	BG	CS	WEIGHT	D1	D2
TPSN0012G	1/2"	5	60	0.432	2.62	2.76
TPSN0034G	3/4"	5	35	0.611	3.03	3.11
TPSN0100G	1"	5	20	1.060	3.64	3.76
TPSN0114G	1-1/4"	1	16	1.563	4.42	4.51
TPSN0112G	1-1/2"	1	12	1.955	4.78	4.82
TPSN0200G	2"	1	8	2.961	5.60	5.73

90° Street Elbow XL

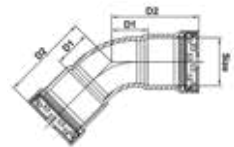
FTG x P



PART #	SIZE	BX	CS	WEIGHT	D1	D2
TPSN0212G	2-1/2"	1	5	3.441	4.90	6.69
TPSN0300G	3"	1	5	4.694	5.73	8.03
TPSN0400G	4"	1	3	8.022	7.28	10.43

45° Elbow

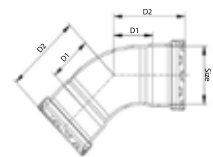
P x P



PART #	SIZE	BG	CS	WEIGHT	D1	D2
TPFF0012G	1/2"	5	60	0.351	0.80	1.87
TPFF0034G	3/4"	5	35	0.503	0.98	2.13
TPFF0100G	1"	5	20	0.805	1.16	2.50
TPFF0114G	1-1/4"	1	16	1.252	1.30	3.12
TPFF0112G	1-1/2"	1	12	1.587	1.47	3.34
TPFF0200G	2"	1	10	2.198	1.72	3.73

45° Elbow XL

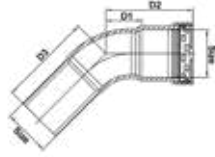
P x P



PART #	SIZE	BX	CS	WEIGHT	D1	D2
TPFF0212G	2-1/2"	1	7	2.562	2.44	4.22
TPFF0300G	3"	1	5	3.668	2.85	5.14
TPFF0400G	4"	1	3	6.184	3.60	6.73

45° Street Elbow

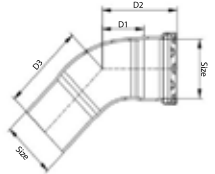
FTG x P



PART #	SIZE	BG	CS	WEIGHT	D1	D2	D3
TPSF0012G	1/2"	5	60	0.355	0.80	1.87	2.01
TPSF0034G	3/4"	5	55	0.492	0.98	2.13	2.20
TPSF0100G	1"	5	30	0.827	1.16	2.50	2.62
TPSF0114G	1-1/4"	1	20	1.250	1.30	3.12	3.21
TPSF0112G	1-1/2"	1	16	1.565	1.47	3.34	3.39
TPSF0200G	2"	1	10	2.266	1.72	3.73	3.86

45° Street Elbow XL

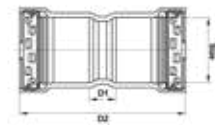
FTG x P



PART #	SIZE	BX	CS	WEIGHT	D1	D2	D3
TPSF0212G	2-1/2"	1	7	2.557	2.44	4.23	4.23
TPSF0300G	3"	1	5	3.521	2.85	5.16	5.16
TPSF0400G	4"	1	3	5.999	3.60	6.75	6.75

Coupling

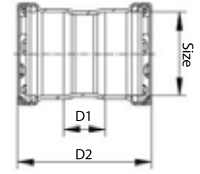
P x P



PART #	SIZE	BG	CS	WEIGHT	D1	D2
TPCP0012G	1/2"	5	100	0.267	0.56	2.70
TPCP0034G	3/4"	5	70	0.353	0.63	2.93
TPCP0100G	1"	5	50	0.571	0.57	3.27
TPCP0114G	1-1/4"	1	25	0.937	0.70	4.33
TPCP0112G	1-1/2"	1	20	1.166	0.89	4.63
TPCP0200G	2"	1	12	1.488	0.79	4.80

Coupling XL

P x P



PART #	SIZE	BX	CS	WEIGHT	D1	D2
TPCP0212G	2-1/2"	1	25	1.735	1.61	5.31
TPCP0300G	3"	1	9	2.643	2.01	6.73
TPCP0400G	4"	1	5	4.277	2.24	8.66

Coupling No Stop

P x P



PART #	SIZE	BG	CS	WEIGHT	D1
TPCL0012G	1/2"	5	100	0.273	3.82
TPCL0034G	3/4"	5	70	0.362	4.00
TPCL0100G	1"	5	50	0.562	4.37
TPCL0114G	1-1/4"	1	25	0.963	5.33
TPCL0112G	1-1/2"	1	20	1.164	5.43
TPCL0200G	2"	1	12	1.369	5.63

Coupling No Stop XL

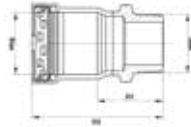
P x P



PART #	SIZE	BX	CS	WEIGHT	D1
TPCL0212G	2-1/2"	1	25	1.744	5.31
TPCL0300G	3"	1	9	2.652	6.73
TPCL0400G	4"	1	5	4.281	8.66

Male Adapter

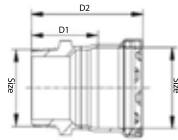
P x MPT



PART #	SIZE	BG	CS	WEIGHT	D1	D2
TPMA0012G	1/2"	5	100	0.247	1.61	2.68
TPMA0034G	3/4"	5	75	0.348	1.67	2.83
TPMA0100G	1"	5	40	0.564	1.81	3.19
TPMA0114G	1-1/4"	1	25	0.935	1.97	3.80
TPMA0112G	1-1/2"	1	25	1.058	2.11	3.96
TPMA0200G	2"	1	16	1.591	2.22	4.23

Male Adapter XL

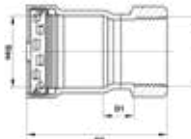
P x MPT



PART #	SIZE	BX	CS	WEIGHT	D1	D2
TPMA0212G	2-1/2"	1	25	2.099	3.37	5.16
TPMA0300G	3"	1	13	3.622	3.19	5.49
TPMA0400G	4"	1	9	5.664	3.98	7.13

Female Adapter

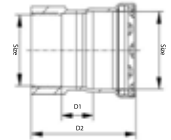
P x FPT



PART #	SIZE	BG	CS	WEIGHT	D1	D2
TPFA0012G	1/2"	5	100	0.240	0.75	2.48
TPFA0034G	3/4"	5	80	0.328	0.85	2.74
TPFA0100G	1"	5	40	0.602	0.94	3.09
TPFA0114G	1-1/4"	1	25	0.831	0.91	3.54
TPFA0112G	1-1/2"	1	24	1.019	0.94	3.66
TPFA0200G	2"	1	12	1.389	0.79	3.82

Female Adapter XL

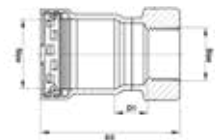
P x FPT



PART #	SIZE	BX	CS	WEIGHT	D1	D2
TPFA0212G	2-1/2"	1	25	2.205	1.40	4.37
TPFA0300G	3"	1	13	2.718	1.57	5.30
TPFA0400G	4"	1	9	4.491	1.65	6.42

Reducing Female Adapter

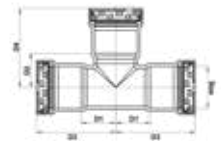
P x FPT



PART #	SIZE	BG	CS	WEIGHT	D1	D2
TPFA3412G	3/4" x 1/2"	5	70	0.364	0.73	2.62
TPFA1012G	1" x 1/2"	5	40	0.492	1.03	3.52
TPFA1034G	1" x 3/4"	5	40	0.642	0.67	2.85
TPFA1112G	1-1/4" x 1/2"	1	40	0.725	1.02	4
TPFA1134G	1-1/4" x 3/4"	1	35	0.767	1.06	4.04
TPFA1110G	1-1/4" x 1"	1	20	1.049	0.82	3.56
TPFA1512G	1-1/2" x 1/2"	1	30	0.873	1.28	4.11
TPFA1534G	1-1/2" x 3/4"	1	30	0.880	1.32	4.15
TPFA1510G	1-1/2" x 1"	1	20	1.444	0.89	3.68
TPFA1511G	1-1/2" x 1-1/4"	1	24	1.168	0.79	3.64
TPFA2012G	2" x 1/2"	1	24	1.135	1.30	4.15
TPFA2034G	2" x 3/4"	1	24	1.127	1.34	4.19
TPFA2010G	2" x 1"	1	20	1.296	1.50	4.43
TPFA2011G	2" x 1-1/4"	1	20	1.296	1.40	4.41
TPFA2015G	2" x 1-1/2"	1	12	1.836	0.81	3.84

Tee

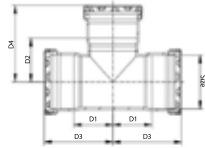
P x P x P



PART #	SIZE	BG	CS	WEIGHT	D1	D2	D3	D4
TPTE0012G	1/2"	5	45	0.518	0.97	0.96	2.04	2.03
TPTE0034G	3/4"	5	40	0.702	1.11	1.09	2.26	2.24
TPTE0100G	1"	5	20	1.131	1.23	1.24	2.57	2.58
TPTE0114G	1-1/4"	1	10	1.810	1.41	1.39	3.23	3.20
TPTE0112G	1-1/2"	1	10	2.211	1.57	1.56	3.44	3.43
TPTE0200G	2"	1	8	2.989	1.81	1.75	3.82	3.76

Tee XL

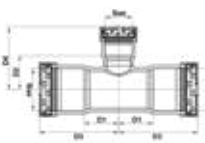
P x P x P



PART #	SIZE	BX	CS	WEIGHT	D1	D2	D3	D4
TPTE0212G	2-1/2"	1	9	3.468	2.36	2.26	4.21	4.06
TPTE0300G	3"	1	5	5.055	2.74	2.78	5.10	4.88
TPTE0400G	4"	1	3	8.142	3.58	3.43	6.46	6.50

Reducing Tee

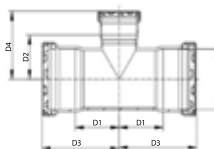
P x P x P



PART #	SIZE	BX	CS	WEIGHT	D1	D2	D3	D4
TPRT3412G	3/4" x 3/4" x 1/2"	5	35	0.657	1.11	1.06	2.26	2.13
TPRT1112G	1" x 1" x 1/2"	5	20	0.999	1.23	1.19	2.57	2.18
TPRT1134G	1" x 1" x 3/4"	5	20	1.030	1.23	1.23	2.57	2.29
TPRT1412G	1-1/4" x 1-1/4" x 1/2"	1	12	1.479	1.41	1.35	3.23	2.33
TPRT1434G	1-1/4" x 1-1/4" x 3/4"	1	12	1.559	1.41	1.39	3.23	2.44
TPRT1410G	1-1/4" x 1-1/4" x 1"	1	12	1.660	1.41	1.40	3.23	2.63
TPRT1512G	1-1/2" x 1-1/2" x 1/2"	1	10	1.806	1.57	1.45	3.44	2.42
TPRT1534G	1-1/2" x 1-1/2" x 3/4"	1	10	1.861	1.57	1.48	3.44	2.54
TPRT1510G	1-1/2" x 1-1/2" x 1"	1	10	1.966	1.57	1.5	3.44	2.73
TPRT1511G	1-1/2" x 1-1/2" x 1-1/4"	1	10	2.094	1.57	1.96	3.44	3.18
TPRT2212G	2" x 2" x 1/2"	1	8	2.513	1.81	1.75	3.82	2.71
TPRT2234G	2" x 2" x 3/4"	1	8	2.540	1.81	1.78	3.82	2.82
TPRT2210G	2" x 2" x 1"	1	8	2.604	1.81	1.79	3.82	3.01
TPRT2211G	2" x 2" x 1-1/4"	1	8	2.787	1.81	1.78	3.82	3.47
TPRT2215G	2" x 2" x 1-1/2"	1	8	2.846	1.81	1.85	3.82	3.58

Reducing Tee XL

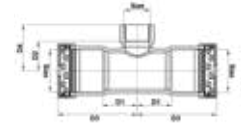
P x P x P



PART #	SIZE	BX	CS	WEIGHT	D1	D2	D3	D4
TPRT2515G	2-1/2" x 2-1/2" x 1-1/2"	1	9	3.299	2.36	2.09	4.21	3.43
TPRT2520G	2-1/2" x 2-1/2" x 2"	1	9	3.420	2.36	2.07	4.21	3.90
TPRT3311G	3" x 3" x 1-1/4"	1	5	4.340	2.36	2.19	4.21	4.06
TPRT3315G	3" x 3" x 1-1/2"	1	5	4.448	2.36	2.09	4.21	3.09
TPRT3320G	3" x 3" x 2"	1	5	4.582	2.74	2.36	5.10	3.19
TPRT3325G	3" x 3" x 2-1/2"	1	5	4.645	2.74	2.44	5.10	4.31
TPRT4415G	4" x 4" x 1-1/2"	1	3	6.798	2.74	2.34	5.10	4.35
TPRT4420G	4" x 4" x 2"	1	3	6.926	2.74	2.64	5.10	4.43
TPRT4425G	4" x 4" x 2-1/2"	1	3	6.982	3.58	2.93	6.46	4.80
TPRT4430G	4" x 4" x 3"	1	3	7.377	3.58	2.83	6.46	4.84
TPRT2510G	2-1/2" x 2-1/2" x 1"	1	9	2.967	3.58	3.13	6.46	4.92
TPRT2511G	2-1/2" x 2-1/2" x 1-1/4"	1	9	3.149	3.58	3.27	6.46	5.57

Female Tee

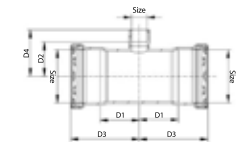
P x P x FPT



PART #	SIZE	BX	CS	WEIGHT	D1	D2	D3	D4
TPFT3412G	3/4" x 3/4" x 1/2"	5	35	0.615	1.11	0.87	2.26	1.71
TPFT0034G	3/4" x 3/4" x 3/4"	5	35	0.659	1.11	0.91	2.26	1.75
TPFT1112G	1" x 1" x 1/2"	5	20	0.963	1.23	1	2.56	1.83
TPFT1134G	1" x 1" x 3/4"	5	20	0.979	1.23	1.04	2.56	1.89
TPFT1412G	1-1/4" x 1-1/4" x 1/2"	1	12	1.435	1.41	1.16	3.23	2.01
TPFT1434G	1-1/4" x 1-1/4" x 3/4"	1	12	1.515	1.41	1.20	3.23	2.05
TPFT1410G	1-1/4" x 1-1/4" x 1"	1	12	1.691	1.41	1.36	3.23	2.28
TPFT1512G	1-1/2" x 1-1/2" x 1/2"	1	10	1.781	1.57	1.26	3.44	2.11
TPFT2234G	2" x 2" x 3/4"	1	8	1.799	1.81	1.59	3.82	2.44
TPFT2210G	2" x 2" x 1"	1	8	1.980	1.81	1.75	3.82	2.68
TPFT2211G	2" x 2" x 1-1/4"	1	8	2.097	1.81	1.65	3.82	2.66
TPFT2215G	2" x 2" x 1-1/2"	1	8	2.460	1.81	1.57	3.82	2.58
TPFT1534G	1-1/2" x 1-1/2" x 3/4"	1	10	2.491	1.57	1.30	3.44	2.15
TPFT1510G	1-1/2" x 1-1/2" x 1"	1	10	2.657	1.57	1.46	3.44	2.38
TPFT1511G	1-1/2" x 1-1/2" x 1-1/4"	1	10	2.665	1.57	1.36	3.44	2.36
TPFT2212G	2" x 2" x 1/2"	1	8	2.703	1.81	1.56	3.82	2.40

Female Tee XL

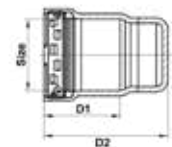
P x P x FPT



PART #	SIZE	BX	CS	WEIGHT	D1	D2	D3	D4
TPRT2534G	2-1/2" x 2-1/2" x 3/4"	1	9	2.925	2.36	1.89	4.21	2.56
TPRT3334G	3" x 3" x 3/4"	1	5	3.862	2.74	2.19	5.10	2.85
TPRT4434G	4" x 4" x 3/4"	1	3	5.029	3.58	2.68	6.46	3.35

Cap

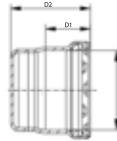
P



PART #	SIZE	BX	CS	WEIGHT	D1	D2
TPEC0012G	1/2"	5	120	0.205	1.07	2.17
TPEC0034G	3/4"	5	80	0.271	1.15	2.28
TPEC0100G	1"	5	50	0.425	1.34	2.48
TPEC0114G	1-1/4"	1	35	0.659	1.82	2.95
TPEC0112G	1-1/2"	1	30	0.796	1.87	3.07
TPEC0200G	2"	1	20	1.069	2.01	3.11

Cap XL

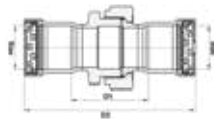
P



PART #	SIZE	BX	CS	WEIGHT	D1	D2
TPEC0212G	2-1/2"	1	17	1.213	1.79	3.19
TPEC0300G	3"	1	13	1.748	2.30	3.84
TPEC0400G	4"	1	13	2.824	3.15	4.84

Union

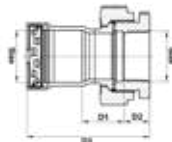
P x P



PART #	SIZE	BG	CS	WEIGHT	D1	D2
TPUN0012G	1/2"	5	25	0.794	2.41	4.55
TPUN0034G	3/4"	5	20	1.415	2.71	5.02
TPUN0100G	1"	5	10	2.147	2.78	5.45
TPUN0114G	1-1/4"	1	8	3.278	3.02	6.65
TPUN0112G	1-1/2"	1	6	3.521	3.27	7.01
TPUN0200G	2"	1	5	4.594	3.70	7.64

Female Union

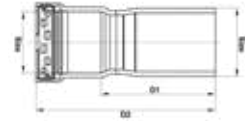
P x FPT



PART #	SIZE	BG	CS	WEIGHT	D1	D2	D3
TPFU0012G	1/2"	5	40	0.631	1.16	0.65	2.77
TPFU0034G	3/4"	5	20	1.190	1.37	0.69	3.09
TPFU0100G	1"	5	10	1.788	1.34	0.79	3.33
TPFU0114G	1-1/4"	1	8	2.573	1.39	0.85	3.90
TPFU0112G	1-1/2"	1	8	2.595	1.59	0.81	4.11
TPFU0200G	2"	1	6	3.503	2.09	0.87	4.73

Street Reducer

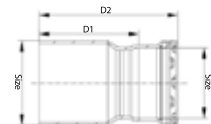
FTG x P



PART #	SIZE	BG	CS	WEIGHT	D1	D2
TPSR3412G	3/4" x 1/2"	5	80	0.290	1.96	3.03
TPSR1012G	1" x 1/2"	5	60	0.386	2.16	3.23
TPSR1034G	1" x 3/4"	5	45	0.428	2.19	3.35
TPSR1110G	1-1/4" x 1"	1	30	0.699	2.64	3.98
TPSR1534G	1-1/2" x 3/4"	1	30	0.822	3.18	4.33
TPSR1510G	1-1/2" x 1"	1	25	0.933	3.19	4.53
TPSR1511G	1-1/2" x 1-1/4"	1	20	1.120	3.18	5
TPSR2010G	2" x 1"	1	20	1.151	3.41	4.92
TPSR2011G	2" x 1-1/4"	1	16	1.351	3.38	5.20
TPSR2011G	2" x 1-1/4"	1	16	1.413	3.44	5.31

Street Reducer XL

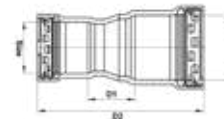
P x P



PART #	SIZE	BX	CS	WEIGHT	D1	D2
TPSR2510G	2-1/2" x 1"	1	25	1.462	4.21	5.55
TPSR2511G	2-1/2" x 1-1/4"	1	25	1.632	4.19	6.02
TPSR2515G	2-1/2" x 1-1/2"	1	25	1.734	4.27	6.14
TPSR2520G	2-1/2" x 2"	1	25	1.586	3.19	5.20
TPSR3011G	3" x 1-1/4"	1	13	2.047	4.45	6.28
TPSR3015G	3" x 1-1/2"	1	13	2.148	4.53	6.40
TPSR3020G	3" x 2"	1	13	2.252	4.43	6.44
TPSR3025G	3" x 2-1/2"	1	13	2.200	4.53	6.32
TPSR4015G	4" x 1-1/2"	1	7	3.202	5.55	7.42
TPSR4020G	4" x 2"	1	7	3.308	5.45	7.46
TPSR4025G	4" x 2-1/2"	1	7	3.338	5.75	7.54
TPSR4030G	4" x 3"	1	7	3.693	5.91	8.21

Reducing Coupling

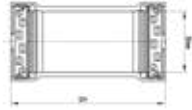
P x P



PART #	SIZE	BG	CS	WEIGHT	D1	D2
TPRC3412G	3/4" x 1/2"	5	60	0.370	1.20	3.43
TPRC1012G	1" x 1/2"	5	45	0.545	1.22	3.94
TPRC1034G	1" x 3/4"	5	50	0.549	1.25	3.74
TPRC1134G	1-1/4" x 3/4"	1	35	0.818	1.24	4.53
TPRC1110G	1-1/4" x 1"	1	25	0.899	1.25	4.41
TPRC1511G	1-1/2" x 1-1/4"	1	20	1.160	1.31	5
TPRC2011G	2" x 1-1/4"	1	16	1.462	1.53	5.35
TPRC2015G	2" x 1-1/2"	1	16	1.389	1.48	5.35

Coupling No Stop Extended

P x P



PART #	SIZE	BG	CS	WEIGHT	D1
TPXL0012G	1/2"	5	70	0.375	2.70
TPXL0034G	3/4"	5	55	0.481	2.90
TPXL0100G	1"	5	30	0.741	3.30
TPXL0114G	1-1/4"	1	20	1.113	4.30
TPXL0112G	1-1/2"	1	16	1.334	4.60
TPXL0200G	2"	1	14	1.733	4.80

Flange

P x FLANGE



PART #	SIZE	BG	CS	WEIGHT	D1	D2	D3	D4	D5	NXL
TPFL0012G	1/2"	1	20	1.129	1.37	2.28	0.46	2.36	3.54	4x0.63
TPFL0034G	3/4"	1	15	1.607	1.44	2.52	0.52	2.76	3.94	4x0.63
TPFL0100G	1"	1	10	2.246	1.61	2.89	0.58	3.11	4.33	4x0.63
TPFL0114G	1-1/4"	1	8	2.813	1.76	3.56	0.64	3.50	4.53	4x0.63
TPFL0112G	1-1/2"	1	6	3.649	1.93	3.78	0.70	3.86	4.92	4x0.63
TPFL0200G	2"	1	4	5.798	1.93	3.90	0.77	4.76	5.91	4x0.75

Flange XL

P x FLANGE



PART #	SIZE	BX	CS	WEIGHT	D1	D2	D3	D4	D5	NXL
TPAF0212G	2-1/2"	1	5	8.333	1.87	3.66	0.89	5.51	7.09	4x0.75
TPAF0300G	3"	1	5	10.009	2.07	4.37	0.96	5.98	7.48	4x0.75
TPAF0400G	4"	1	5	14.125	2.05	5.20	0.96	7.52	7.87	4x0.75