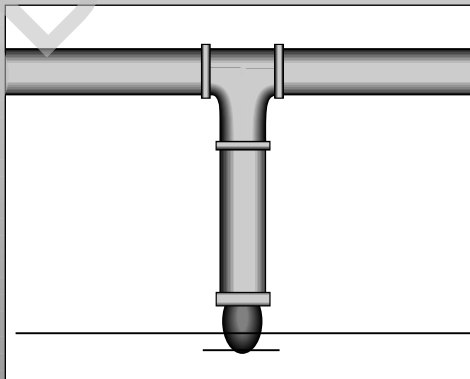


BlazeMaster[®]

FIRE SPRINKLER PIPE & FITTINGS SUBMITTAL SHEET

TYCO FIRE PRODUCTS
451 North Cannon Avenue
Lansdale, Pennsylvania 19446
www.tyco-fire.com

TECHNICAL SERVICES
TEL: (800) 381-9312 · FAX: (800) 791-5500
E-MAIL: techserv@tycofp.com



Introduction

Tyco Fire Products (TFP) BlazeMaster® CPVC pipe and fittings are designed exclusively for use in wet pipe automatic fire sprinkler systems. They are made from a specially developed thermoplastic compound composed of post chlorinated polyvinyl chloride (CPVC) resin and state of the art additives. TFP BlazeMaster® CPVC products are easier to install than traditional steel pipe systems, and at

the same time, they provide superior heat resistance and strength as compared to traditional CPVC and PVC piping materials used in the plumbing trade. Various adapters are available to connect CPVC pipe to metallic piping. All female pipe thread adapters have brass inserts for durability. Grooved adapters connect directly to grooved end valves and metallic pipe, with flexible grooved end couplings.

Technical Data

Sizes: 3/4" – 3"

Maximum Working Pressure: 175 psi

Approvals: UL, FM, CUL, NSF, Dade County, LPCB, MEA, and the City of Los Angeles

Note: See current TFP BlazeMaster Installation Instructions and Technical Manual, for exact listing/approval information

Manufacture Source: U.S.A.

Material:

Pipe: ASTM F442, SDR 13.5

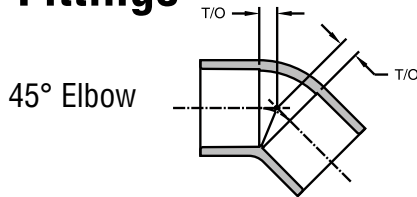
Fittings: ASTM F438 (Sch. 40) and ASTM F439 (Sch. 80)

Color: Orange

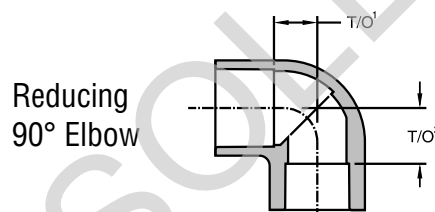
Pipe

Nom. Pipe Size	Avg. O.D. Inches	Avg. I.D. Inches	Wt. Lbs./Ft.	Wt. H ₂ O filled Pipe Lbs./Ft.	Ft. of Pipe per Lift	Wt. per Lift Lbs.
3/4"	1.050	0.874	0.17	0.43	7875	1413
1"	1.315	1.101	0.26	0.67	5040	1320
1 1/4"	1.660	1.394	0.42	1.07	2835	1191
1 1/2"	1.900	1.598	0.55	1.40	2205	1136
2"	2.375	2.003	0.86	2.20	1260	1063
2 1/2"	2.875	2.423	1.26	3.22	1215	1531
3"	3.500	2.952	1.87	4.79	720	1344

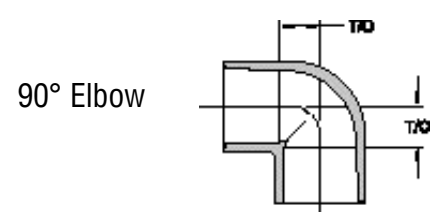
Fittings



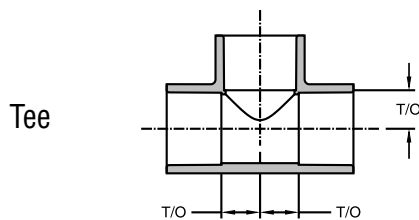
Part No.	Size	Sch.	T/O	Wt.
80050	3/4"	40	3/8"	0.08 lb.
80051	1"	40	3/8"	0.11 lb.
80052	1 1/4"	40	3/4"	0.20 lb.
80053	1 1/2"	80	7/16"	0.31 lb.
80054	2"	80	3/4"	0.56 lb.
80055	2 1/2"	80	3/4"	0.89 lb.
80056	3"	80	1"	1.19 lb.



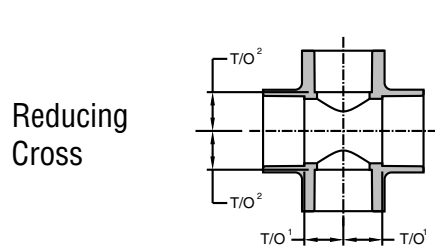
Part No.	Size	Sch.	T/O		Wt. lb.
			1	2	
80032	1" x 3/4"	40	11/16"	13/16"	0.16



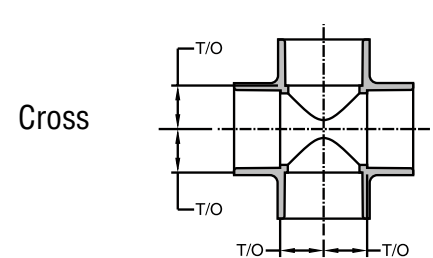
Part No.	Size	Sch.	T/O	Wt.
80025	3/4"	40	9/16"	0.09 lb.
80026	1"	40	3/4"	0.14 lb.
80027	1 1/4"	40	7/8"	0.21 lb.
80028	1 1/2"	80	1 1/16"	0.40 lb.
80029	2"	80	1 1/4"	0.79 lb.
80030	2 1/2"	80	1 1/2"	1.14 lb.
80031	3"	80	1 13/16"	1.82 lb.



Part No.	Size	Sch.	T/O	Wt.
80000	3/4"	40	5/8"	0.11 lb.
80001	1"	40	3/4"	0.19 lb.
80002	1 1/4"	40	7/8"	0.26 lb.
80003	1 1/2"	80	1"	0.51 lb.
80004	2"	80	1 3/8"	0.90 lb.
80005	2 1/2"	80	1 9/16"	1.59 lb.
80006	3"	80	1 11/16"	2.41 lb.

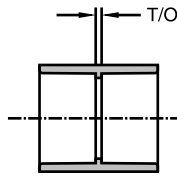


Part No.	Size	Sch.	T/O		Wt. lb.
			1	2	
80015	1" x 3/4"	40	11/16"	11/16"	0.28



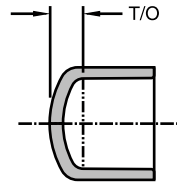
Part No.	Size	Sch.	T/O	Wt.
80009	3/4"	40	9/16"	0.13 lb.
80010	1"	40	15/16"	0.23 lb.
80011	1 1/4"	40	15/16"	0.34 lb.
80012	1 1/2"	80	1 1/16"	0.67 lb.
80013	2"	80	1 3/8"	1.00 lb.
80014	2 1/2"	80	1 9/16"	1.91 lb.
80008	3"	80	1 13/16"	2.89 lb.

Coupling



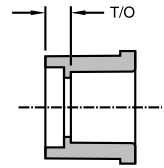
Part No.	Size	Sch.	T/O	Wt.
80075	3/4"	40	1/8"	0.07 lb.
80076	1"	40	1/8"	0.11 lb.
80077	1 1/4"	40	3/16"	0.12 lb.
80078	1 1/2"	80	3/16"	0.25 lb.
80079	2"	80	3/16"	0.38 lb.
80080	2 1/2"	80	3/16"	0.67 lb.
80081	3"	80	3/16"	0.91 lb.

Cap



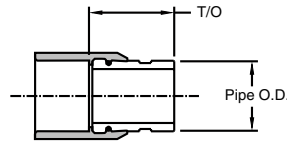
Part No.	Size	Sch.	T/O	Wt.
80100	3/4"	40	5/16"	0.04 lb.
80101	1"	40	3/8"	0.06 lb.
80102	1 1/4"	40	1/2"	0.10 lb.
80103	1 1/2"	80	5/8"	0.20 lb.
80104	2"	80	5/8"	0.31 lb.
80105	2 1/2"	80	7/8"	0.58 lb.
80106	3"	80	1"	0.88 lb.

Reducer Bushing



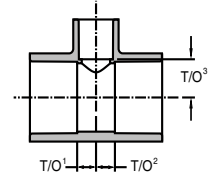
Part No.	Size	Sch.	T/O	Wt.
80200	1" x 3/4"	40	7/16"	0.04 lb.
80201	1 1/4" x 3/4"	40	7/16"	0.11 lb.
80202	1 1/4" x 1"	40	5/16"	0.12 lb.
80203	1 1/2" x 3/4"	80	5/8"	0.16 lb.
80204	1 1/2" x 1"	80	1/2"	0.14 lb.
80205	1 1/2" x 1 1/4"	80	3/8"	0.17 lb.
80206	2" x 3/4"	80	3/4"	0.27 lb.
80207	2" x 1"	80	11/16"	0.26 lb.
80208	2" x 1 1/4"	80	9/16"	0.24 lb.
80209	2" x 1 1/2"	80	7/16"	0.19 lb.
80215	2 1/2" x 1"	80	1 15/16"	0.42 lb.
80214	2 1/2" x 1 1/4"	80	1 3/4"	0.45 lb.
80213	2 1/2" x 1 1/2"	80	1 5/8"	0.46 lb.
80211	2 1/2" x 2"	80	1 9/16"	0.29 lb.
80210	3" x 2"	80	2 3/16"	0.72 lb.
80212	3" x 2 1/2"	80	1 15/16"	0.47 lb.

Grooved Coupling Adapter



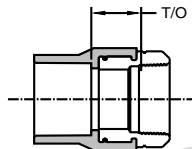
Part No.	Size	Sch.	T/O	Wt.	Pipe OD
80160	1 1/4" x 1 1/4" Grooved	40	2 5/16"	0.78 lb.	1 1/4" (1.660")
80161	1 1/2" x 1 1/2" Grooved	80	2 5/16"	0.95 lb.	1 1/2" (1.900")
80162	2" x 2" Grooved	80	2 5/16"	1.42 lb.	2" (2.375")
80163	2 1/2" x 2 1/2" Grooved	80	2 5/16"	2.28 lb.	2 1/2" (2.875")
80164	3" x 3" Grooved	80	2 1/4"	3.00 lb.	3" (3.500")
80168	3" x 76.1mm Grooved	80	2 1/4"	2.72 lb.	76.1mm (3.000")

Reducing Tee



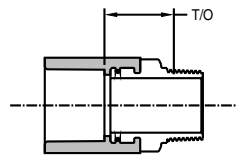
Part No.	Size	Sch.	T/O			Wt. lb.
			1	2	3	
80132	3/4" x 3/4" x 1"	40	3/4"	3/4"	5/8"	0.14
80133	1" x 3/4" x 3/4"	40	1/2"	11/16"	3/4"	0.14
80134	1" x 3/4" x 1"	40	5/8"	3/4"	3/4"	0.17
80260	1" x 1" x 3/4"	40	3/4"	3/4"	11/16"	0.16
80135	1 1/4" x 1" x 3/4"	40	7/16"	3/4"	15/16"	0.21
80136	1 1/4" x 1" x 1"	40	11/16"	3/4"	15/16"	0.22
80137	1 1/4" x 1" x 1 1/4"	40	13/16"	15/16"	13/16"	0.26
80261	1 1/4" x 1 1/4" x 3/4"	40	5/8"	5/8"	7/8"	0.23
80262	1 1/4" x 1 1/4" x 1"	40	3/4"	3/4"	7/8"	0.26
80138	1 1/4" x 1 1/4" x 1 1/2"	80	1"	1"	1"	0.43
80140	1 1/2" x 1 1/4" x 3/4"	80	1/2"	5/8"	1"	0.36
80141	1 1/2" x 1 1/4" x 1"	80	1/2"	5/8"	1 1/8"	0.38
80263	1 1/2" x 1 1/2" x 3/4"	80	9/16"	9/16"	1"	0.36
80264	1 1/2" x 1 1/2" x 1"	80	9/16"	9/16"	1"	0.38
80275	1 1/2" x 1 1/2" x 1 1/4"	80	7/8"	7/8"	1"	0.45
80265	2" x 2" x 3/4"	80	3/4"	3/4"	1 3/8"	0.61
80266	2" x 2" x 1"	80	7/8"	7/8"	1 3/8"	0.66
80274	2" x 2" x 1 1/4"	80	1"	1"	1 3/8"	0.74
80267	2" x 2" x 1 1/2"	80	1 1/8"	1 1/8"	1 3/8"	0.78
80271	2 1/2" x 2 1/2" x 1"	80	1 11/16"	1 11/16"	1 9/16"	1.43
80272	2 1/2" x 2 1/2" x 1 1/4"	80	1 11/16"	1 11/16"	1 9/16"	1.46
80273	2 1/2" x 2 1/2" x 1 1/2"	80	1 11/16"	1 11/16"	1 9/16"	1.48
80276	2 1/2" x 2 1/2" x 2"	80	1 11/16"	1 11/16"	1 9/16"	1.50
80270	3" x 3" x 1 1/2"	80	1 3/4"	1 3/4"	1 13/16"	2.28
80268	3" x 3" x 2"	80	1 3/4"	1 3/4"	1 3/4"	2.25
80269	3" x 3" x 2 1/2"	80	1 3/4"	1 3/4"	1 15/16"	2.44

Female Adapter



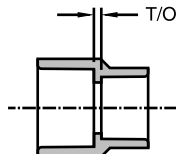
Part No.	Size	Sch.	T/O	Wt.
80142	3/4" x 3/4" NPT	40	5/8"	0.41 lb.
80145	1" x 1" NPT	40	3/4"	0.63 lb.
80146	1 1/4" x 1 1/4" NPT	40	7/8"	1.03 lb.
80147	1 1/2" x 1 1/2" NPT	80	1"	1.42 lb.
80148	2" x 2" NPT	80	1 3/8"	2.66 lb.

Male Adapter



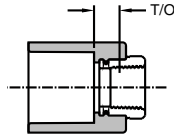
Part No.	Size	Sch.	T/O	Wt.
80157	3/4" x 3/4" NPT	40	1 5/16"	0.33 lb.
80158	1" x 1" NPT	40	1 3/8"	0.56 lb.

Reducing Coupling



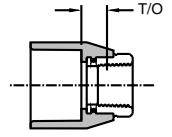
Part No.	Size	Sch.	T/O	Wt.
80220	1" x 3/4"	40	1/8"	0.08 lb.

Sprinkler Head Adapter
with Brass Threaded Insert



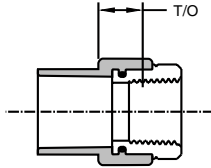
Part No.	Size	Sch.	T/O	Wt.
80175E	3/4" x 1/2" NPT	80	7/16"	0.20 lb.
80176E	1" x 1/2" NPT	80	7/16"	0.22 lb.
80177WL	3/4" x 1/2" NPT	40	9/16"	0.16 lb.
80179	1" x 3/4" NPT	40	3/4"	0.43 lb.

Sprinkler Head Adapter
with Brass Threaded Insert



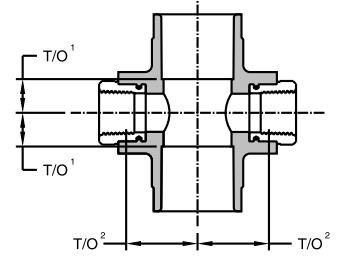
Part No.	Size	Sch.	T/O	Wt.
80175W	3/4" x 1/2" NPT	40	7/16"	0.19 lb.
80176W	1" x 1/2" NPT	40	7/16"	0.18 lb.

Sprinkler Head Adapter
(Spigot)
with Brass Threaded Insert



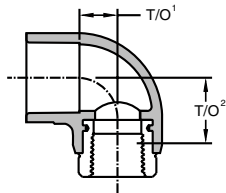
Part No.	Size	Sch.	T/O	Wt.
80177L	3/4" x 1/2" NPT	40	1/2"	0.16 lb.
80178	1" x 1/2" NPT	40	1/2"	0.20 lb.

Back-to-Back Cross
with Brass Threaded Insert



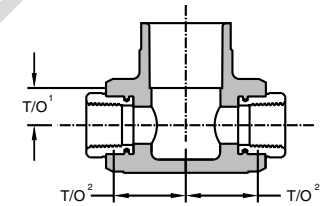
Part No.	Size	Sch.	T/O		Wt. lb.
			1	2	
80462	1" x 1" x 1/2" NPT x 1/2" NPT	40	5/8"	1 1/8"	0.46
80463	1" x 1" x 1/2" NPT x 1/2" NPT	40	5/8"	1 5/16"	0.47

Sprinkler Head Adapter
90° Elbow
with Brass Threaded Insert



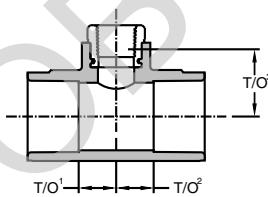
Part No.	Size	Sch.	T/O		Wt. lb.
			1	2	
80199	3/4" x 1/2" NPT	40	5/8"	15/16"	0.20
80189	1" x 1/2" NPT	40	13/16"	1 3/16"	0.26

Back-to-Back Tee
with Brass Threaded Insert



Part No.	Size	Sch.	T/O		Wt. lb.
			1	2	
80459	1" x 1/2" NPT x 1/2" NPT	40	11/16"	1 5/16"	0.48
80460	1" x 1/2" NPT x 1/2" NPT	40	11/16"	1 1/8"	0.46

Sprinkler Head Adapter
Tee
with Brass Threaded Insert



Part No.	Size	Sch.	T/O			Wt. lb.
			1	2	3	
80250	3/4" x 3/4" x 1/2" NPT	40	5/8"	5/8"	1"	0.22
80251	1" x 1" x 1/2" NPT	40	11/16"	11/16"	13/16"	0.29
80249	1" x 1" x 1" NPT	40	15/16"	15/16"	17/16"	0.73
80256	1 1/4" x 1" x 1/2" NPT	40	7/16"	9/16"	1 1/8"	0.30
80252	1 1/4" x 1 1/4" x 1/2" NPT	40	7/16"	7/16"	1 1/8"	0.31
80257	1 1/2" x 1 1/4" x 1/2" NPT	80	9/16"	5/8"	17/16"	0.43
80254	1 1/2" x 1 1/2" x 1/2" NPT	80	9/16"	9/16"	17/16"	0.46
80258	2" x 1 1/2" x 1/2" NPT	80	1/2"	5/8"	1 5/8"	0.56
80253	2" x 2" x 1/2" NPT	80	1/2"	1/2"	1 5/8"	0.62

Limited Warranty

Products manufactured by Tyco Fire Products are warranted solely to the original Buyer for ten (10) years against defects in material and workmanship when paid for and properly installed and maintained under normal use and service. This warranty will expire ten (10) years from date of shipment by Tyco Fire Products. No warranty is given for products or components manufactured by companies not affiliated by ownership with Tyco Fire Products or for products and components which have been subject to misuse, improper installation, corrosion, or which have not been installed, maintained, modified or repaired in accordance with applicable Standards of the National Fire Protection Association (NFPA), and/or the standards of any other Authorities Having Jurisdiction. Materials found by Tyco Fire Products to be defective shall be either repaired or replaced, at Tyco Fire Products sole option. Tyco Fire Products neither assumes, nor authorizes any person to assume for it, any other obligation in connection with the sale of products or parts of products. Tyco Fire Products shall not be responsible for sprinkler system design errors or inaccurate or incomplete information supplied by Buyer or Buyer's representatives.

IN NO EVENT SHALL TYCO FIRE PRODUCTS BE LIABLE, IN CONTRACT, TORT, STRICT LIABILITY OR UNDER ANY OTHER LEGAL THEORY, FOR INCIDENTAL, INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO LABOR CHARGES, REGARDLESS OF WHETHER TYCO FIRE PRODUCTS WAS INFORMED ABOUT THE POSSIBILITY OF SUCH DAMAGES, AND IN NO EVENT SHALL TYCO FIRE PRODUCT'S LIABILITY EXCEED AN AMOUNT EQUAL TO THE SALES PRICE.

THE FOREGOING WARRANTY IS MADE IN LIEU OF ANY AND ALL OTHER WARRANTIES EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.