ICC-ES PMG Listing

PMG-1045

Reissued: June 1, 2010

This listing is subject to re-examination in one year.

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CSI: Division 15—MECHANICAL
Section: 15140—Domestic Water Piping
Section: 15180—Heating and Cooling Piping

Product: StreamTECH™ – Structural Adhesive Fittings for Joining Copper Tubing

Listee: Mueller Industries
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Memphis, Tennessee 38125
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Compliance with the following codes:

2006 and 2009 *International Plumbing Code*® (IPC)
2006 and 2009 *International Mechanical Code*® (IMC)
2006 and 2009 International *Residential Code*® (IRC)
2006 and 2009 IAPMO *Uniform Plumbing Code*™* (IAPMO UPC)
2006 and 2009 IAPMO *Uniform Mechanical Code*™* (IAPMO UMC)

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Compliance with the following standards:

ANSI/NSF 61 Drinking Water System Components Health Effects
ASME B 1.20.1 Pipe Threads, General Purpose (inch)
ASTM B 88 Specification for Seamless Copper Water Tube
LC1020 PMG Listing Criteria for Structural Adhesive Joining Systems for Fittings

Identification:

StreamTECH™ structural adhesive fittings are shipped with the O-ring seal installed, and labeled with the nominal size and the potable water mark (NSF 61). StreamTECH™ Structural adhesive is labeled "CU-20" and "*For StreamTECH™ Adhesive Joining Systems*."

Packages of fittings bear the Mueller Company name, product name (StreamTECH™), manufacturer's designation, the name of the third-party inspection agency [NSF International (AA-633)] and the ICC-ES PMG listing mark. The ICC-ES PMG listing number (PMG-1045) is optional.

Installation:

The StreamTECH™ structural adhesive fittings described in this listing must be installed in accordance with the manufacturer's published installation instructions and the applicable code. Installation is limited to seamless rigid copper tubing complying with ASTM B 88. Maximum working time of the adhesive is 20 minutes.

Models: A structural adhesive joining system consists of a fitting with an internal EPDM elastomer seal, a structural adhesive material that is applied to the pipe or tube and/or the fitting, and the joining of the fitting to the pipe or tube. The StreamTECH™ structural adhesive fittings are manufactured from ASME B16.22 copper alloy. Each fitting contains EPDM elastomer O-rings to seal over each inserted copper tube. The StreamTECH™ ST structural adhesive fitting system consists of fittings, O-rings, and adhesive complying with NSF 61. Threaded ends of fittings comply with ASME B1.20.1 as tape reducer pipe threads.

The fittings range in diameter from $^1/_2$ inch to 4 inches (13 mm to 101.6 mm).

Conditions of listing:

1. The potable water distribution system utilizing the StreamTECH™ structural adhesive fittings must be pressure-tested and inspected in accordance with IPC Section 312.5, IRC Section P2503.7 (P2503.6 in the 2006 edition) or UPC 609.4, as applicable.
2. Hydronic piping must be pressure-tested in accordance with IMC Section 1208, IRC Section M2101.10, M2103.4 (M2103.4 in the 2006 Edition) or M2105, or UMC Section 1207, as applicable.
3. Mueller StreamTECH™ structural adhesive fittings are to be installed only with StreamTECH™ ST-Weld Adhesives.
4. When soldering nearby, installers must stay at least three pipe diameters from a StreamTECH™ connector and use a wet rag or other heatsink.
5. The structural adhesive joining system has a maximum pressure rating of 250 psi at 180°F.
6. Recognition for use in potable water systems is limited to potable water having a pH of 6.5 and above.
7. The StreamTECH™ structural adhesive fittings are manufactured in Memphis, Tennessee, under a quality control program with yearly unannounced inspections by NSF International (AA-633).

TABLE 1

TYPE OF FITTING	SIZE (inches)	STEAM TECH PART NUMBER	DESCRIPTION
90° Elbow	$^1/_2$	ST01506	$^1/_2$ ADH x M 90 ELBOW
90° Elbow	$^1/_2$	ST01507	$^1/_2$ ADH x F 90 ELBOW
90° Elbow	$^1/_2$	ST01508	$^1/_2$ ADH x F 90 DROP EAR ELBOW
90° Elbow	$^3/_4$	ST01533	$^3/_4$ ADH x M 90 ELBOW
90° Elbow	¾	ST01534	$^3/_4$ ADH x F 90 ELBOW
90° Elbow	1	ST01558	1 ADH x M 90 ELBOW
90° Elbow	1	ST01559	1 ADH x F 90 ELBOW
90° Elbow	$1^1/_4$	ST01593	$1^1/_4$ x $1^1/_4$ ADH x M 90 ELBOW
90° Elbow	$1^1/_2$	ST01594	$1^1/_4$ x $1^1/_4$ ADH x F 90 ELBOW
90° Elbow	$^1/_2$	ST01622	$^1/_2$ ADH x ADH 90 ELBOW
90° Elbow	$1^1/_2$	ST01631	$1^1/_2$ x $1^1/_2$ ADH x M 90 ELBOW
90° Elbow	$1^1/_2$	ST01632	$1^1/_2$ x $1^1/_2$ ADH x F 90 ELBOW
90° Elbow	$^3/_4$	ST01634	$^3/_4$ ADH x ADH 90 ELBOW
90° Elbow	1	ST01647	1 ADH x ADH 90 ELBOW
90° Elbow	$^1/_2$	ST01652	$^1/_2$ FTG x ADH 90 ST ELBOW
90° Elbow	¾	ST01654	$^3/_4$ FTG x ADH 90 ST ELBOW
90° Elbow	2	ST01679	2 ADH x M 90 ELBOW
90° Elbow	2	ST01680	2 ADH x F 90 ELBOW
90° Elbow	$1^1/_4$	ST02084	$1^1/_4$ ADH x ADH 90 ELBOW
90° Elbow	$1^1/_2$	ST02085	$1^1/_2$ ADH x ADH 90 ELBOW
90° Elbow	2	ST02086	2 ADH x ADH 90 ELBOW
90° Elbow	$2^1/_2$	ST02087	$2^1/_2$ ADH x ADH 90 ELBOW
90° Elbow	3	ST02088	3 ADH x ADH 90 ELBOW
90° Elbow	4	ST02090	4 ADH x ADH 90 ELBOW
90° Elbow	1	ST02344	1 FTG x ADH 90 ST ELBOW
90° Elbow	$1^1/_4$	ST02384	$1^1/_4$ FTG x ADH 90 ST ELBOW
90° Elbow	$1^1/_2$	ST02385	$1^1/_2$ FTG x ADH 90 ST ELBOW
90° Elbow	2	ST02386	2 FTG x ADH 90 ST ELBOW
90° Elbow	$2^1/_2$	ST02387	$2^1/_2$ FTG x ADH 90 ST ELBOW
90° Elbow	3	ST02388	3 FTG x ADH 90 ST ELBOW
90° Elbow	4	ST02390	4 FTG x ADH 90 ST ELBOW
90° Elbow	$^1/_2$ x $^3/_4$	ST02509	$^1/_2$ x $^3/_4$ ADH x M 90 ELBOW
90° Elbow	$^3/_4$ x $^1/_2$	ST02558	$^3/_4$ x $^1/_2$ ADH x M 90 ELBOW
90° Elbow	$^3/_4$ x $^1/_2$	ST02560	$^3/_4$ x $^1/_2$ ADH x F 90 ELBOW

TYPE OF FITTING	SIZE (inches)	STEAM TECH PART NUMBER	DESCRIPTION
90° Elbow	3/4	ST02581	3/4 ADH x F 90 DROP EAR ELBOW
45° Elbow	1/2	ST03026	1/2 ADH x ADH 45 ELBOW
45° Elbow	3/4	ST03034	3/4 ADH x ADH 45 ELBOW
45° Elbow	1	ST03044	1 ADH x ADH 45 ELBOW
45° Elbow	1 1/4	ST03050	1 1/4 ADH x ADH 45 ELBOW
45° Elbow	1 1/2	ST03055	1 1/2 ADH x ADH 45 ELBOW
45° Elbow	2	ST03059	2 ADH x ADH 45 ELBOW
45° Elbow	2 1/2	ST03063	2 1/2 ADH x ADH 45 ELBOW
45° Elbow	3	ST03067	3 ADH x ADH 45 ELBOW
45° Elbow	4	ST03073	4 ADH x ADH 45 ELBOW
45° Elbow	1/2	ST03326	1/2 FTG x ADH 45 ST ELBOW
45° Elbow	3/4	ST03334	3/4 FTG x ADH 45 ST ELBOW
45° Elbow	1	ST03344	1 FTG x ADH 45 ST ELBOW
45° Elbow	1 1/4	ST03350	1 1/4 FTG x ADH 45 ST ELBOW
45° Elbow	1 1/2	ST03355	1 1/2 FTG x ADH 45 ST ELBOW
45° Elbow	2	ST03359	2 FTG x ADH 45 ST ELBOW
45° Elbow	2 1/2	ST03363	2 1/2 FTG x ADH 45 ST ELBOW
45° Elbow	3	ST03368	3 FTG x ADH 45 ST ELBOW
45° Elbow	4	ST03373	4 FTG x ADH 45 ST ELBOW
Coupling Reducer	3/4 x 1/2	ST01036	3/4 x 1/2 ADH x ADH COUPLING
Coupling Reducer	1 x 3/4	ST01049	1 x 3/4 ADH x ADH COUPLING
Coupling Reducer	1 x 1/2	ST01051	1 x 1/2 ADH x ADH COUPLING
Coupling Reducer	1 1/4 x 1	ST01056	1 1/4 x 1 ADH x ADH COUPLING
Coupling Reducer	1 1/4 x 3/4	ST01058	1 1/4 x 3/4 ADH x ADH COUPLING
Coupling Reducer	1 1/2 x 1 1/4	ST01064	1 1/2 x 1 1/4 ADH x ADH COUPLING
Coupling Reducer	1 1/2 x 1	ST01065	1 1/2 x 1 ADH x ADH COUPLING
Coupling Reducer	2 x 1 1/2	ST01073	2 x 1 1/2 ADH x ADH COUPLING
Coupling Reducer	2 x 1	ST01075	2 x 1 ADH x ADH COUPLING
Coupling	1/2	ST10145	1/2 ADH x ADH COUPLING WITH STOP
Coupling	3/4	ST10146	3/4 ADH x ADH COUPLING WITH STOP
Coupling	1	ST10147	1 ADH x ADH COUPLING WITH STOP
Coupling	1 1/4	ST10148	1 1/4 ADH x ADH COUPLING WITH STOP
Coupling	1 1/2	ST10149	1 1/2 ADH x ADH COUPLING WITH STOP
Coupling	2	ST10150	2 ADH x ADH COUPLING WITH STOP
Coupling	2 1/2	ST10151	2 1/2 ADH x ADH COUPLING WITH STOP
Coupling	3	ST10152	3 ADH x ADH COUPLING WITH STOP
Coupling	4	ST10154	4 ADH x ADH COUPLING WITH STOP
Adapter	1/2 x 3/4	ST01130	1/2 x 3/4 ADH x M ADAPTER
Adapter	1/2 x 1/2	ST01131	1/2 x 1/2 ADH x M ADAPTER
Adapter	1/2 x 3/8 T	ST01132	1/2 x 3/8 ADH x M ADAPTER
Adapter	3/4	ST01146	3/4 x 3/4 ADH x M ADAPTER
Adapter	3/4 x 1/2	ST01147	3/4 x 1/2 ADH x M ADAPTER
Adapter	4	ST01150	4 x 4 ADH x M ADAPTER
Adapter	1 x 1 1/4	ST01162	1 x 1 1/4 ADH x M ADAPTER
Adapter	1 x 1	ST01163	1 x 1 ADH x M ADAPTER
Adapter	1 x 3/4	ST01164	1 x 3/4 ADH x M ADAPTER
Adapter	1 1/4 x 1 1/2	ST01170	1 1/4 x 1 1/2 ADH x M ADAPTER
Adapter	1 1/4	ST01171	1 1/4 x 1 1/4 ADH x M ADAPTER
Adapter	1 1/4 x 1	ST01172	1 1/4 x 1 ADH x M ADAPTER
Adapter	1 1/2	ST01179	1 1/2 x 1 1/2 ADH x M ADAPTER
Adapter	1 1/2 x 1 1/4	ST01180	1 1/2 x 1 1/4 ADH x M ADAPTER
Adapter	2 x 2	ST01187	2 x 2 ADH x M ADAPTER
Adapter	2 1/2	ST01196	2 1/2 x 2 1/2 ADH x M ADAPTER
Adapter	3 x 3	ST01199	3 x 3 ADH x M ADAPTER
Adapter	1/2 x 3/4	ST01230	1/2 x 3/4 ADH x F ADAPTER
Adapter	1/2	ST01231	1/2 x 1/2 ADH x F ADAPTER
Adapter	1/2 x 3/8	ST01232	1/2 x 3/8 ADH x F ADAPTER
Adapter	3/4 x 3/4	ST01246	3/4 x 3/4 ADH x F ADAPTER
Adapter	3/4 x 1/2	ST01247	3/4 x 1/2 ADH x F ADAPTER
Adapter	1 x 1	ST01263	1 x 1 ADH x F ADAPTER
Adapter	1 x 3/4	ST01264	1 x 3/4 ADH x F ADAPTER
Adapter	1 1/4	ST01271	1 1/4 x 1 1/4 ADH x F ADAPTER
Adapter	1 1/4 x 1	ST01272	1 1/4 x 1 ADH x F ADAPTER
Adapter	1 1/2	ST01279	1 1/2 x 1 1/2 ADH x F ADAPTER

TYPE OF FITTING	SIZE (inches)	STEAM TECH PART NUMBER	DESCRIPTION
Adapter	2 x 2	ST01287	2 x 2 ADH x F ADAPTER
Adapter	1/2	ST01431	1/2 FTG x M ADAPTER
Adapter	3/4	ST01446	3/4 FTG x M ADAPTER
Adapter	3/4 x 1/2	ST01447	3/4 x 1/2 FTG x M ADAPTER
Adapter	1	ST01463	1 FTG x M ADAPTER
Adapter	1 1/4	ST01471	1 1/4 FTG x M ADAPTER
Adapter	1 1/2	ST01479	1 1/2 FTG x M ADAPTER
Adapter	2	ST01487	2 FTG x M ADAPTER
Adapter	1/2	ST01531	1/2 x 1/2 FTG x F ADAPTER
Adapter	1/2 x 3/8	ST01532	1/2 x 3/8 FTG x F ADAPTER
Adapter	¾	ST01546	3/4 x 3/4 FTG x F ADAPTER
Adapter	¾	ST01547	3/4 x 1/2 FTG x F ADAPTER
Adapter	1	ST01563	1 x 1 FTG x F ADAPTER
Adapter	1 1/4	ST01571	1 1/4 x 1 1/4 FTG x F ADAPTER
Adapter	1 1/2	ST01579	1 1/2 x 1 1/2 FTG x F ADAPT
Adapter	2	ST01587	2 x 2 FTG x F ADAPTER
Tail Piece	1/2	ST00012	1/2 Tail Piece
Tail Piece	3/4	ST00034	3/4 Tail Piece
Fitting Reducer	3/4 x 1/2	ST01326	3/4 x 1/2 FTG x ADH REDUCER
Fitting Reducer	1 x 3/4	ST01337	1 x 3/4 FTG x ADH REDUCER
Fitting Reducer	1 x 1/2	ST01339	1 x 1/2 FTG x ADH REDUCER
Fitting Reducer	1 1/4 x 1	ST01343	1 1/4 x 1 FTG x ADH REDUCER
Fitting Reducer	1 1/4 x 3/4	ST01345	1 1/4 x 3/4 FTG x ADH REDUCER
Fitting Reducer	1 1/2 x 1 1/4	ST01350	1 1/2 x 1 1/4 FTG x ADH REDUCER
Fitting Reducer	1 1/2 x 1	ST01351	1 1/2 x 1 FTG x ADH REDUCER
Fitting Reducer	1 1/2 x 3/4	ST01353	1 1/2 x 3/4 FTG x ADH REDUCER
Fitting Reducer	1 1/2 x 1/2	ST01355	1 1/2 x 1/2 FTG x ADH REDUCER
Fitting Reducer	2 x 1 1/2	ST01358	2 x 1 1/2 FTG x ADH REDUCER
Fitting Reducer	2 x 1 1/4	ST01359	2 x 1 1/4 FTG x ADH REDUCER
Fitting Reducer	2 x 1	ST01360	2 x 1 FTG x ADH REDUCER
Fitting Reducer	2 x 3/4	ST01362	2 x 3/4 FTG x ADH REDUCER
Fitting Reducer	2 x 1/2	ST01364	2 x 1/2 FTG x ADH REDUCER
Fitting Reducer	2 1/2 x 2	ST01367	2 1/2 x 2 FTG x ADH REDUCER
Fitting Reducer	2 1/2 x 1 1/2	ST01368	2 1/2 x 1 1/2 FTG x ADH REDUCER
Fitting Reducer	3 x 2 1/2	ST01376	3 x 2 1/2 FTG x ADH REDUCER
Fitting Reducer	3 x 2	ST01377	3 x 2 FTG x ADH REDUCER
Fitting Reducer	3 x 1 1/2	ST01378	3 x 1 1/2 FTG x ADH REDUCER
Fitting Reducer	4 x 3	ST01387	4 x 3 FTG x ADH REDUCER
Fitting Reducer	4 x 2 1/2	ST01388	4 x 2 1/2 FTG x ADH REDUCER
Fitting Reducer	4 x 2	ST01389	4 x 2 FTG x ADH REDUCER
Cap	1/2	ST07007	1/2 ADH TUBE CAP
Cap	3/4	ST07009	3/4 ADH TUBE CAP
Cap	1	ST07011	1 ADH TUBE CAP
Cap	1 1/4	ST07012	1 1/4 ADH TUBE CAP
Cap	1 1/2	ST07013	1 1/2 ADH TUBE CAP
Cap	2	ST07014	2 ADH TUBE CAP
Cap	2 1/2	ST07015	2 1/2 ADH TUBE CAP
Cap	3	ST07016	3 ADH TUBE CAP
Cap	4	ST07018	4 ADH TUBE CAP
Tee	½	ST01512	1/2 x 1/2 x 1/2 ADH x ADH x F TEE
Tee	¾	ST01539	3/4 x 3/4 x 1/2 ADH x ADH x F TEE
Tee	1 x 1 x 1/2	ST01570	1 x 1 x 1/2 ADH x ADH x F TEE
Tee	1 1/4 x 1 1/4 x 1/2	ST01613	1 1/4 x 1 1/4 x 1/2 ADH x ADH x F TEE
Tee	1 1/2 x 1 1/2 x 1/2	ST01645	1 1/2 x 1 1/2 x 1/2 ADH x ADH x F TEE
Tee	2 x 2 x 1/2	ST01699	2 x 2 x 1/2 ADH x ADH x F TEE
Tee	1/2	ST04006	1/2 ADH x ADH x ADH TEE
Tee	3/4	ST04031	3/4 ADH x ADH x ADH TEE
Tee	3/4 x 3/4 x 1/2	ST04033	3/4 x 3/4 x 1/2 ADH x ADH x ADH TEE
Tee	3/4 x 1/2 x 3/4	ST04041	3/4 x 1/2 x 3/4 ADH x ADH x ADH TEE
Tee	3/4 x 1/2 x 1/2	ST04043	3/4 x 1/2 x 1/2 ADH x ADH x ADH TEE
Tee	1/2 x 1/2 x 3/4	ST04047	1/2 x 1/2 x 3/4 ADH x ADH x ADH TEE
Tee	1	ST04048	1 ADH x ADH x ADH TEE
Tee	1 x 1 x 3/4	ST04049	1 x 1 x 3/4 ADH x ADH x ADH TEE
Tee	1 x 1 x 1/2	ST04051	1 x 1 x 1/2 ADH x ADH x ADH TEE

TYPE OF FITTING	SIZE (inches)	STEAM TECH PART NUMBER	DESCRIPTION
Tee	1 x 3/4 x 1	ST04055	1 x 3/4 x 1 ADH x ADH x ADH TEE
Tee	1 x 3/4 x 3/4	ST04056	1 x 3/4 x 3/4 ADH x ADH x ADH TEE
Tee	1 x 3/4 x 1/2	ST04058	1 x 3/4 x 1/2 ADH x ADH x ADH TEE
Tee	1 x 1/2 x 1	ST04061	1 x 1/2 x 1 ADH x ADH x ADH TEE
Tee	3/4 x 3/4 x 1	ST04065	3/4 x 3/4 x 1 ADH x ADH x ADH TEE
Tee	1 1/4	ST04068	1 1/4 ADH x ADH x ADH TEE
Tee	1 1/4 x 1 1/4 x 1	ST04069	1 1/4 x 1 1/4 x 1 ADH x ADH x ADH TEE
Tee	1 1/4 x 1 1/4 x 3/4	ST04070	1 1/4 x 1 1/4 x 3/4 ADH x ADH x ADH TEE
Tee	1 1/4 x 1 1/4 x 1/2	ST04071	1 1/4 x 1 1/4 x 1/2 ADH x ADH x ADH TEE
Tee	1 1/4 x 1 x 1	ST04074	1 1/4 x 1 x 1 ADH x ADH x ADH TEE
Tee	1 1/4 x 1 x 3/4	ST04075	1 1/4 x 1 x 3/4 ADH x ADH x ADH TEE
Tee	1 x 1 x 1 1/4	ST04082	1 x 1 x 1 1/4 ADH x ADH x ADH TEE
Tee	1 1/2	ST04084	1 1/2 ADH x ADH x ADH TEE
Tee	1 1/2 x 1 1/2 x 1 1/4	ST04085	1 1/2 x 1 1/2 x 1 1/4 ADH x ADH x ADH TEE
Tee	1 1/2 x 1 1/2 x 1	ST04086	1 1/2 x 1 1/2 x 1 ADH x ADH x ADH TEE
Tee	1 1/2 x 1 1/2 x 3/4	ST04087	1 1/2 x 1 1/2 x 3/4 ADH x ADH x ADH TEE
Tee	1 1/2 x 1 1/2 x 1/2	ST04088	1 1/2 x 1 1/2 x 1/2 ADH x ADH x ADH TEE
Tee	1 1/2 x 1 1/4 x 1 1/4	ST04091	1 1/2 x 1 1/4 x 1 1/4 ADH x ADH x ADH TEE
Tee	1 1/2 x 1 x 1	ST04097	1 1/2 x 1 x 1 ADH x ADH x ADH TEE
Tee	1 1/2 x 1 x 3/4	ST04098	1 1/2 x 1 x 3/4 ADH x ADH x ADH TEE
Tee	2	ST40102	2 ADH x ADH x ADH TEE
Tee	2 x 2 x 1 1/2	ST40103	2 x 2 x 1 1/2 ADH x ADH x ADH TEE
Tee	2 x 2 x 1 1/4	ST40104	2 x 2 x 1 1/4 ADH x ADH x ADH TEE
Tee	2 x 2 x 1	ST40105	2 x 2 x 1 ADH x ADH x ADH TEE
Tee	2 x 2 x 3/4	ST40106	2 x 2 x 3/4 ADH x ADH x ADH TEE
Tee	2 x 2 x 1/2	ST40107	2 x 2 x 1/2 ADH x ADH x ADH TEE
Tee	2 x 1 1/2 x 1 1/2	ST40110	2 x 1 1/2 x 1 1/2 ADH x ADH x ADH TEE
Tee	2 1/2	ST40123	2 1/2 ADH x ADH x ADH TEE
Tee	2 1/2 x 2 1/2 x 2	ST40124	2 1/2 x 2 1/2 x 2 ADH x ADH x ADH TEE
Tee	2 1/2 x 2 1/2 x 1 1/2	ST40125	2 1/2 x 2 1/2 x 1 1/2 ADH x ADH x ADH TEE
Tee	2 1/2 x 2 1/2 x 1 1/4	ST40126	2 1/2 x 2 1/2 x 1 1/4 ADH x ADH x ADH TEE
Tee	2 1/2 x 2 1/2 x 1	ST40127	2 1/2 x 2 1/2 x 1 ADH x ADH x ADH TEE
Tee	2 1/2 x 2 1/2 x 3/4	ST40128	2 1/2 x 2 1/2 x 3/4 ADH x ADH x ADH TEE
Tee	2 1/2 x 2 1/2 x 1/2	ST40129	2 1/2 x 2 1/2 x 1/2 ADH x ADH x ADH TEE
Tee	2 1/2 x 2 x 2	ST40131	2 1/2 x 2 x 2 ADH x ADH x ADH TEE
Tee	3 x 3 x 3/4	ST40146	3 x 3 x 3/4 ADH x ADH x ADH TEE
Tee	3 x 3 x 1	ST40147	3 x 3 x 1 ADH x ADH x ADH TEE
Tee	3 x 3 x 1 1/4	ST40148	3 x 3 x 1 1/4 ADH x ADH x ADH TEE
Tee	3 x 3 x 1 1/2	ST40149	3 x 3 x 1 1/2 ADH x ADH x ADH TEE
Tee	3 x 3 x 2	ST40150	3 x 3 x 2 ADH x ADH x ADH TEE
Tee	3 x 3 x 2 1/2	ST40151	3 x 3 x 2 1/2 ADH x ADH x ADH TEE
Tee	3	ST40152	3 ADH x ADH x ADH TEE
Tee	4 x 4 x 1 1/2	ST40195	4 x 4 x 1 1/2 ADH x ADH x ADH TEE
Tee	4 x 4 x 2	ST40196	4 x 4 x 2 ADH x ADH x ADH TEE
Tee	4 x 4 x 2 1/2	ST40197	4 x 4 x 2 1/2 ADH x ADH x ADH TEE
Tee	4 x 4 x 3	ST40198	4 x 4 x 3 ADH x ADH x ADH TEE
Tee	4	ST40200	4 ADH x ADH x ADH TEE
Tee	1 1/2 x 3/4 x 3/4	ST40238	1 1/2 x 3/4 x 3/4 ADH x ADH x ADH TEE
Tee	1 1/2 x 1/2 x 1 1/2	ST40244	1 1/2 x 1/2 x 1 1/2 ADH x ADH x ADH TEE
Tee	2 x 1 x 2	ST40245	2 x 1 x 2 ADH x ADH x ADH TEE
Tee	2 x 1 x 1	ST40247	2 x 1 x 1 ADH x ADH x ADH TEE
Tee	2 x 1/2 x 2	ST40249	2 x 1/2 x 2 ADH x ADH x ADH TEE
Union	1/2	ST08003	1/2 ADH x ADH UNION
Union	3/4	ST08004	3/4 ADH x ADH UNION
Union	1	ST08005	1 ADH x ADH UNION
Union	1 1/4	ST11205	1 1/4 ADH x ADH UNION
Union	1 1/2	ST11206	1 1/2 ADH x ADH UNION
Union	2	ST11207	2 ADH x ADH UNION
Union	1/2	ST11210	1/2 ADH x M UNION
Union	3/4	ST11211	3/4 ADH x M UNION
Union	1	ST11212	1 ADH x M UNION
Union	1 1/4	ST11213	1 1/4 ADH x M UNION
Union	1 1/2	ST11214	1 1/2 ADH x M UNION
Union	2	ST11215	2 ADH x M UNION

TYPE OF FITTING	SIZE (inches)	STEAM TECH PART NUMBER	DESCRIPTION
Union	1/2	ST11422	1/2 ADH x F UNION
Union	3/4	ST11423	3/4 ADH x F UNION
Union	1	ST11424	1 ADH x F UNION
Union	1 1/4	ST11425	1 1/4 ADH x F UNION
Union	1 1/2	ST11426	1 1/2 ADH x F UNION
Union	2	ST11427	2 ADH x F UNION
Flange	1	ST02883	1 125 LB ADH COMP FLANGE
Flange	1 1/4	ST02884	1 1/4 125 LB ADH COMP FLANGE
Flange	1 1/2	ST02885	1 1/2 125 LB ADH COMP FLANGE
Flange	2	ST02886	2 125 LB ADH COMP FLANGE
Flange	2 1/2	ST02887	2 1/2 125 LB ADH COMP FLANGE
Flange	3	ST02888	3 125 LB ADH COMP FLANGE
Flange	4	ST02889	4 125 LB ADH COMP FLANGE