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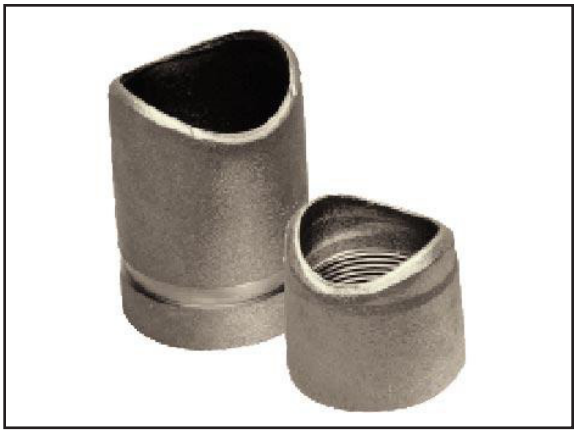
SUBMITTAL SHEET

Merit Weld-Miser™ Tee-Let® Welding Outlet Fittings

Merit Weld-Miser™ Tee-Let® Welding Branch Outlet Fittings offer the user a high strength, low cost forged threaded and grooved line of fittings specifically designed and manufactured to be installed on schedules 5 thru 10, proprietary thin wall flow pipe and standard wall pipe.

Merit Tee-Lets are forged steel welding outlet fittings. The material used in manufacture meets the chemical and physical requirements of ASTM A 53, Grades A or B, Type E, Tee-Lets employ a low weld volume design to provide for either a partial or full penetration weld employing a single pass with minimum burn-through and pipe distortion. Weld Miser Tee-Lets are recommended for use on proprietary thin wall, schedules 5, 10 and 40 pipe. Threads comply with ANSI B1.20.1 or ISO7/1. They are UL Listed and FM Approved for use conforming to the requirements of Bulletin 13 1999 of the National Fire Protection Association. When used in fire sprinkler systems, Tee-Lets are rated for 300 psi. When used in mechanical systems, maximum pressures are calculated using criteria developed for ASME B31 piping code. Send for details if required.



c UL LISTED Factory Mutual System APPROVED

PRODUCT APPROVALS

Tee-Let Welded Outlet Fitting (UL VIZU — EX3788, FM Approval Guide Chapter 1 – Pipe Fittings)

Outlet Model	Outlet Pipe Size (Inch)	Header Pipe Size (Inch)	Rated Pressure (psig)
Tee-Let Type A (F-Threaded End)	½, ¾, 1	½ - 8 (Sch. 10, 40)	300
	1¼, 1½, 2, 2½, 3, 4	½ - 4 (Sch. 5, DynaFlow)	
	2	4 (EZ-Flow)	
	2, 4	6 (EZ-Flow)	
Tee-Let Type C (Grooved End)	1¼ - 8	1¼ - 8 (Sch. 10, 40)	300
	2½ - 8	½ - 4 (Sch. 5, DynaFlow)	
Tee-Let Type C/R (Roll Grooved End)	1¼ - 6	1¼ - 8 (All Schedules)	300

1) Size on size (ie 2 x 2) Tee-Lets are not FM Approved 2) FM rated working pressure when welded on Sch. 5 or nonthreadable lightwell pipe is 175 psi.

PROJECT:

ARCHITECT / ENGINEER:

CONTRACTOR: **PHONE:**

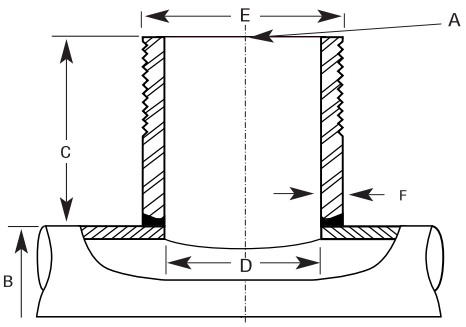
ADDRESS:

NOTES:

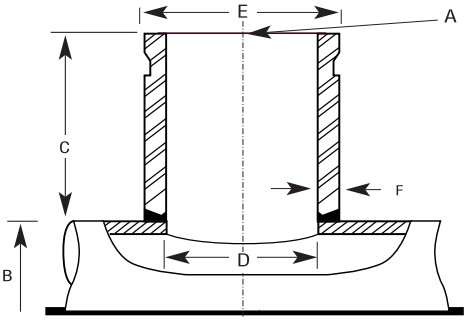
APPROVAL:

Merit Weld-Miser Tee-Let Welding Outlet Fittings

Type B
Male Thread
Standard Weight



Type C
Cut Groove
Standard Weight



Male Thread Std. Wt.	Cut Groove Std. Wt. Metric	Roll Groove Sch. 10	Nominal Outlet Size A	Nominal Header Size B	Outlet Length Size C	Inside Std. Wt. Size D	Inside Schedule Size D	Inside Diameter Size E	F Wall Thickness Std.	F Wall Thickness Sch. 10	Weight Each Lb. / kgs
						In. / mm					
1325025	2025025	2225025	2-1/2 x	2-1/2	3	2.469	2.635	2.875	0.203	0.120	1.500
	2125025		65 x	65	80	62.7	67.0	76.2	5.0	3.0	30
1325030	2025030	2225030		3	3	2.469	2.635	2.875	0.203	0.120	1.500
	2125030			80	80	62.7	67.0	76.2	5.0	3.0	30
1325035	2025040	2225035		4	3	2.469	2.635	2.875	0.203	0.120	1.500
	2125040			100	80	62.7	67.0	76.2	5.0	3.0	30
1325050	2025050	2225050		5	3	2.469	2.635	2.875	0.203	0.120	1.500
	2125050			125	80	62.7	67.0	76.2	5.0	3.0	30
1325060	2025060	2225060		6	3	2.469	2.635	2.875	0.203	0.120	1.500
	2125060			175	80	62.7	67.0	76.2	5.0	3.0	30
1325080	2025080	2225080		8	3	2.469	2.635	2.875	0.203	0.120	1.500
	2125080			200	80	62.7	67.0	76.2	5.0	3.0	30
1330025	2030025	2230025	3 x	3	3	3.068	3.260	3.500	0.216	0.120	1.500
			80 x	80	80	78.0	83.0	88.0	5.0	3.0	30
1330030	2030030	2230030		3-1/2	3	3.068	3.260	3.500	0.216	0.120	1.500
				85	80	78.0	83.0	88.0	5.0	3.0	30
1330035	2030035	2230035		4	3	3.068	3.260	3.500	0.216	0.120	1.500
				100	80	78.0	83.0	88.0	5.0	3.0	30
1330050	2030050	2230050		5	3	3.068	3.260	3.500	0.216	0.120	1.500
				125	80	78.0	83.0	88.0	5.0	3.0	30
1330060	2030060	2230060		6	3	3.068	3.260	3.500	0.216	0.120	1.500
				150	80	78.0	83.0	88.0	5.0	3.0	30
1330080	2030080	2230080		8	3	3.068	3.260	3.500	0.216	0.120	1.500
				200	80	78.0	83.0	88.0	5.0	3.0	30
1340040	2040040	2240040	4 x	4	4	4.026	4.260	4.500	0.237	0.120	1.500
			100 x	100	100	102.0	108.0	114.0	6.0	3.0	30
1340050	2040050	2240050		5	4	4.026	4.260	4.500	0.237	0.120	1.500
				125	100	102.0	108.0	114.0	6.0	3.0	30
1340060	2040060	2240060		6	4	4.026	4.260	4.500	0.237	0.120	1.500
				150	100	102.0	108.0	114.0	6.0	3.0	30
1340080	2040080	2240080		8	4	4.026	4.260	4.500	0.237	0.120	1.50
				200	100	102.0	108.0	114.0	6.0	3.0	30
–	2060060	2260060	6 x	6	4	6.065	6.357	6.625	0.280	0.134	1.500
			150 x	150	100	155.0	161.5	168.3	7.1	3.0	30
–	2060080	2260080		8	4	6.065	6.357	6.625	0.280	0.134	1.50
				200	100	155.0	161.5	168.3	7.1	3.0	30
–	2080080	2280080	8 x	8	4	7.981	8.329	8.625	0.322	0.148	1.50
			200 x	200	100	203.0	212.0	213.0	8.0	3.0	30

Note: Tee-lets are manufactured to fit size-on-size, that is the contoured shape on a given Tee-Let is made to fit perfectly on the first listed header size. If installed on the second header size marked on the fitting, a slight gap of approximately 1/32" will appear along the longitudinal centerline of the header. For example, a 1" x 2 - 2-1/2" Tee-Let, is a 1" outlet fitting manufactured to fit perfectly on the 2" header size listed, while leaving a 1/32" gap along the longitudinal centerline of the 2-1/2" size. If a perfect fit is required for a 2-1/2" header pipe, then a 1" x 2-1/2 - 3" Tee-let would be ordered. Size consolidations are employed to reduce inventory and provide for greater flexibility.