

TECHNICAL MANUAL

Introduction

The booklet presents technical informations referential to design, storage and installation of LESSO America PVC fittings.

The booklet just set out a referential advice or method of installation based on LESSO America's experiences and other publications such as Handbook of PVC Pipe Design and Construction (Issued by Uni-bell PVC Pipe Association).

Readers must decided by yourself whether any advice or recommended method or data should be taken or not. It is not our intention that the guide should assume the responsibility unless the engineer so directs the installer.

No representations, guarantees of warranties of any kind are made as to its accuracy, suitability for particular applications or results to be obtained therefrom. For verification of technical or additional information not contained herein, please contact LESSO America customer service departments.

Note: LESSO America PVC fittings are not for distribution or transportation of compressed air or gas, as well as not for test.

Standards

ASTM D2466

This specification covers poly(vinyl chloride) (PVC) Schedule 40 pipe fittings. Included are requirements for materials, workmanship, dimensions, and burst pressure.

ASTM D1784

This specification covers rigid PVC and CPVC compounds intended for general purpose use in extruded or molded form—including pressure piping applications and nonpressure piping applications—composed of poly(vinyl chloride), chlorinated poly(vinyl chloride), or vinyl chloride copolymers containing at least 80 % vinyl chloride, and the necessary compounding ingredients. The compounding ingredients shall be permitted to consist of lubricants, stabilizers, non-poly(vinyl chloride) resin modifiers, pigments, and inorganic fillers.

CSA B181.2

This standard covers thermoplastic nonpressure piping, including


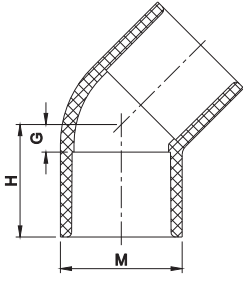
- (a) drain, waste, and vent pipe and pipe fittings;
- (b) sewer and storm pipe and pipe fittings;
- (c) accessories such as factory-assembled expansion joints, closet flanges, backwater valves, and cleanouts.


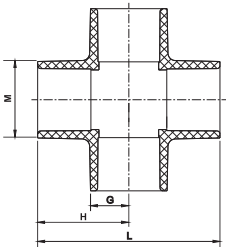
ASTM D2665

This specification covers requirements and test methods for materials, dimensions and tolerances, pipe stiffness, crush resistance, impact resistance, and solvent cement for poly(vinyl chloride) plastic drain, waste, and vent pipe and fittings. A form of marking is also included. Plastic which does not meet the material requirements specified in Section 5 is excluded. Installation procedures are given in the Appendix.

PVC SCH40 Fittings



45°ELL (SOC × SOC)  	Part Number	Size (in)	G	H	M	Weight (Lbs)
	417-005	1/2	1/4	1	1-3/32	0.037
	417-007	3/4	11/32	1-11/32	1-5/16	0.073
	417-010	1	3/8	1-1/2	1-5/8	0.115
	417-012	1-1/4	3/8	1-21/32	1-31/32	0.152
	417-015	1-1/2	1/2	1-13/16	2-7/32	0.196
	417-020	2	5/8	2	2-23/32	0.289
	417-025	2-1/2	23/32	2-1/2	3-11/32	0.542
	417-030	3	27/32	2-3/4	3-31/32	0.800
	417-040	4	1-1/8	3-5/32	5-1/32	1.314
	417-050	5	1-3/8	4-7/16	6-1/8	2.492
	417-060	6	1-13/16	5-9/32	7-5/16	4.114
	417-080	8	2	6-1/32	9-11/32	6.437
	417-100	10	2-9/16	7-19/32	11-5/8	12.067
	417-120	12	3-1/16	9-3/32	13-25/32	20.132

CROSS (SOC × SOC × SOC × SOC)  	Part Number	Size (in)	G	H	L	M	Weight (Lbs)
	420-005	1/2	17/32	1-9/32	2-19/32	1-1/8	0.088
	420-007	3/4	21/32	1-21/32	3-5/16	1-5/16	0.148
	420-010	1	13/16	1-15/16	3-7/8	1-5/8	0.254
	420-012	1-1/4	1-3/32	2-3/8	4-23/32	1-31/32	0.364
	420-015	1-1/2	1-1/4	2-9/16	5-5/32	2-1/4	0.474
	420-020	2	1-9/16	2-15/16	5-7/8	2-23/32	0.683
	420-025	2-1/2	1-21/32	3-7/16	6-7/8	3-13/32	1.287
	420-030	3	2-1/32	3-15/16	7-7/8	4-1/16	1.942
	420-040	4	2-3/8	4-13/32	8-13/16	5-3/16	3.192
	420-060	6	3-1/2	6-31/32	13-31/32	7-13/32	8.256