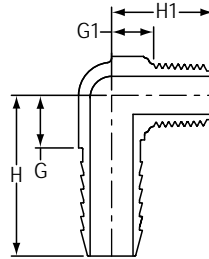


PVC & PP INSERT FITTINGS FOR USE WITH POLYETHYLENE PIPE



PVC 90° ELBOW

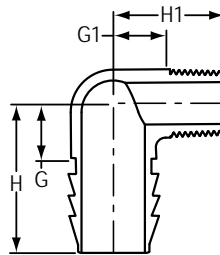
Insert x Mipt



Part Number	Size	G	G1	H	H1	Approx. Wt. (Lbs.)
1413-005	1/2	1/2	5/8	2	1-1/4	.03
1413-007	3/4	1/2	11/16	2	1-5/16	.05
1413-010	1	21/32	27/32	2-5/32	1-19/32	.07
1413-012	1-1/4	3/4	1	2-1/4	1-7/8	.12
1413-015	1-1/2	1-1/16	1-1/8	2-13/16	2-5/32	.17
1413-020	2	1-1/4	1-3/8	3	2-7/16	.24

PVC 90° REDUCING ELBOW

Insert x Mipt



Part Number	Size	G	G1	H	H1	Approx. Wt. (Lbs.)
1413-055	3/8x3/4	7/16	3/4	1-1/4	1-1/2	.03
1413-101	3/4x1/2	1/2	1/2	2-1/16	1-7/32	.04
1413-130	1x1/2	23/32	3/4	2-3/16	1-11/32	.06
1413-131	1x3/4	11/16	23/32	2-5/32	1-13/32	.06

Installation Information

RECOMMENDATIONS FOR INSTALLERS AND USERS:

Plastic piping systems should be **ENGINEERED, INSTALLED, and OPERATED** in accordance with **ESTABLISHED DESIGN AND ENGINEERING STANDARDS AND PROCEDURES** for plastic piping systems. Suitability for the intended service application should be determined by the installer and/or user prior to installation of a plastic piping system. **PRIOR TO ASSEMBLY, all piping system components should be inspected for damage or irregularities. Mating components should be checked to assure that tolerances and engagements are compatible. Do not use any components that appear irregular or do not fit properly. Contact the appropriate manufacturer of the component product in question to determine usability. Consult all applicable codes and regulations for compliance prior to installation.**

SOLVENT WELD CONNECTIONS — Use quality solvent cements and primers formulated for the intended service application, pipe size and type of joint. While the pipe and fitting materials may be compatible with the intended medium, the solvent cement may not be. Consult the manufacturer for suitability of use. Read and follow the cement and primer manufacturers' applications and cure time instructions thoroughly. Be sure to use the correct size applicator.

THREADED CONNECTIONS — Use a quality grade thread sealant. **WARNING: SOME PIPE JOINT COMPOUNDS OR TEFLON PASTES MAY CONTAIN SUBSTANCES THAT COULD CAUSE STRESS CRACKING TO PLASTIC.** Spears® Manufacturing Company recommends the use of Spears® **BLUE 75™ Thread Sealant** which has been tested for compatibility with Spears® products. Please follow the sealant manufacturers' application/ installation instructions. Choice of an appropriate thread sealant other than those listed above is at the discretion of the installer. 1 to 2 turns beyond **FINGER TIGHT** is generally all that is required to make a sound plastic threaded connection. Unnecessary **OVER TIGHTENING** will cause **DAMAGE TO BOTH PIPE AND FITTING.**

NOT FOR USE WITH COMPRESSED AIR OR GAS

WARNING: DO NOT USE COMPRESSED AIR OR GAS TO TEST ANY PVC OR CPVC THERMOPLASTIC PIPING PRODUCT OR SYSTEM, AND DO NOT USE DEVICES PROPELLED BY COMPRESSED AIR OR GAS TO CLEAR SYSTEMS. THESE PRACTICES MAY RESULT IN EXPLOSIVE FRAGMENTATION OF SYSTEM PIPING AND COMPONENTS CAUSING SERIOUS OR FATAL BODILY INJURY.

Application

Insert Fittings are manufactured to ASTM D 2609 and are designed for use with polyethylene pipe produced to ASTM D 2104 and D 2239.

Insert Fitting configurations with nominal 3/8" spiral barbed inserts are specially designed for use with 1/2" (.490) I.D. flexible poly irrigation pipe.

Conformance Standards

ASTM D 2609, Standard Specification for Plastic Insert Fittings for Polyethylene (PE) Pipe.

Product Certifications

Tested and Certified by the National Sanitation Foundation (NSF International) to ASTM D 2609 and for use with potable water.