

Submittal Package

viega

Viega® PEX Crimp PolyAlloy™ Fittings

Project:

Engineer:

Contractor:

Submitted By:

☐ Potable Water

☐ Other _____

Submittal Package

viega

Viega® PEX Crimp PolyAlloy™ Fittings

Technical Data

Materials:

Fittings.....	PolyAlloy
Crimp Rings.....	Copper (black)
MANABLOC Manifolds.....	Polysulfone (plastic) PolyAlloy fittings
PEX Crimp Poly Manifolds.....	PolyAlloy crimp connections
Valves.....	PolyAlloy
ViegaPEX, ViegaPEX Ultra Tubing.....	PEX (crosslinked polyethylene)

Applications

Viega PEX Crimp zero lead brass and Polyalloy PEX Crimp fittings are intended for use in potable water systems. They can be directly buried in soil but shall be wrapped (fittings used in concrete shall also be wrapped). Fittings are manufactured with Viega PEX Crimp barbs for use with ViegaPEX, ViegaPEX Ultra tubing, crimp rings and tools.

Installation

- Use only ASTM F1807 crimp rings and approved full circle crimp tools to make connections.
- Keep flame and excessive heat away from tubing and connections.
- Refer to the Viega PEX Installation Manual for additional information.

“Zero Lead” identifies Viega® products meeting the lead free requirements of NSF 61-G through testing under NSF/ANSI 372 (0.25% or less maximum weighted average lead content).

Codes Approvals & Standards

ANSI/NSF 61-G

cNSF® us pw-G

CSA B137.5

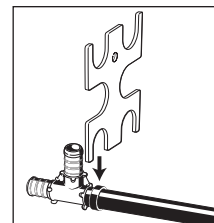
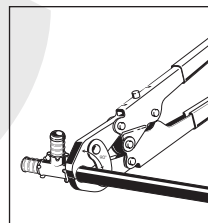
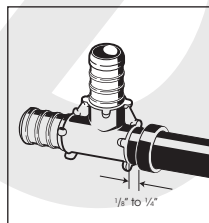
U.P. Code

UPC®

ASTM F876 / F877

ASTM F1807 / F2159

ICC ES-PMG™ 1038



THREE SIMPLE STEPS TO A SECURE VIEGA PEX CRIMP FITTING CONNECTION.

1. SLIDE CRIMP RING OVER END OF SQUARED OFF TUBING, FULLY INSERT FITTING INTO TUBING AND POSITION THE RING 1/8" TO 1/4" FROM THE END OF TUBING.
2. KEEP THE TOOL AT 90° AND CLOSE THE HANDLES COMPLETELY. DO NOT CRIMP TWICE.
3. CHECK CRIMP WITH GO/ NO GO GAUGE.

Submittal Package

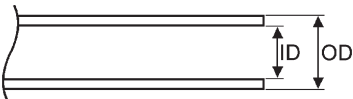
viega



Viega® PEX Crimp PolyAlloy™ Fittings

ViegaPEX and ViegaPEX UltraTubing

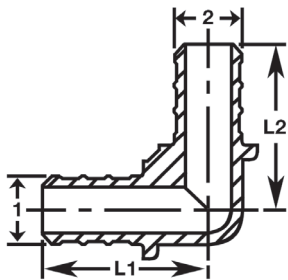
Material.....PEX crosslinked polyethylene
Temperature/Pressure Ratings...200°F at 80 psi
180°F at 100 psi
73.4°F at 160 psi
Linear Expansion Rate.....1.1"/100'/10°F



Nominal Size	Inner Diameter	Outer Diameter	Wall Thickness
3/8"	0.35	0.500±.003	0.070±.010
1/2"	0.47	0.625±.004	0.070±.010
3/4"	0.67	0.875±.004	0.097±.010
1"	0.86	1.125±.005	0.125±.013

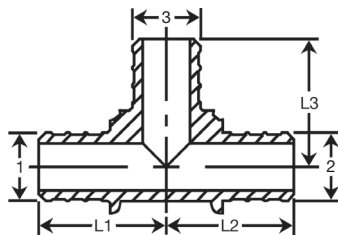
Submittal Package

viega



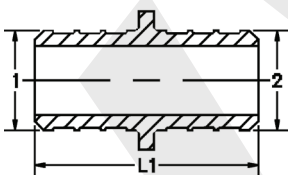
Viega PEX Crimp 90° Elbow Zero Lead PolyAlloy - Model V5216

Part Number	Size		L1 (in)	L2 (in)
	1	2		
43210		3/8"	1.15	1.15
43220		1/2"	1.15	1.15
43240		3/4"	1.25	1.25
43242		3/4" x 1/2"	1.25	1.25
43260		1"	1.53	1.53



Viega PEX Crimp Tee Zero Lead PolyAlloy - Model V5218

Part Number	Size			L1 (in)	L2 (in)	L3 (in)
	1	2	3			
43500		3/8"		1.16	1.16	1.16
43520		1/2"		1.15	1.15	1.15
43334		1/2" x 1/2" x 3/4"		1.25	1.25	1.15
43540		3/4"		1.25	1.25	1.25
43433		3/4" x 1/2" x 1/2"		1.25	1.15	1.25
43434		3/4" x 1/2" x 3/4"		1.25	1.25	1.25
43443		3/4" x 3/4" x 1/2"		1.15	1.15	1.25
43445		3/4" x 3/4" x 1"		1.30	1.30	1.34
43544		1" x 3/4" x 3/4"		1.37	1.36	1.36
43545		1" x 3/4" x 1"		1.54	1.39	1.54
43553		1" x 1" x 1/2"		1.33	1.33	1.32
43554		1" x 1" x 3/4"		1.33	1.33	1.26
43560		1"		1.53	1.53	1.53

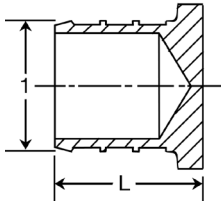


Viega PEX Crimp Coupling Zero Lead PolyAlloy - Model V5215

Part Number	Size		L(in)
	1	2	
43402		3/8"	1.52
43403		1/2"	1.50
43332		1/2" x 3/8"	1.52
43343		3/4" x 1/2"	1.50
43353		1" x 1/2"	1.70
43404		3/4"	1.50
43354		1" x 3/4"	1.70
43355		1"	1.82

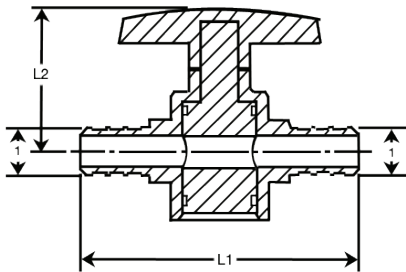
Submittal Package

viega



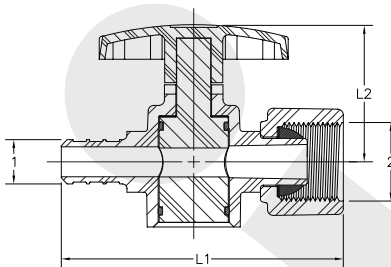
Viega PEX Crimp Test Plug Zero Lead PolyAlloy - Model V5058

Part Number	Size	L (in)
	1	
43702	3/8"	0.76
43723	1/2"	0.76
43744	3/4"	0.95
43765	1"	1.13



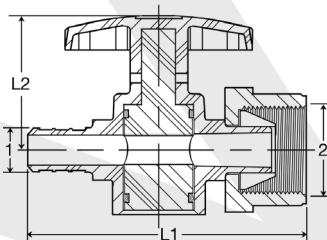
Viega PEX Crimp Valve Zero Lead PolyAlloy 1/4 Turn - Model V5236

Part Number	Size	L1 (in)	L2 (in)
	1		
43030	1/2"	2.83	1.45
43040	3/4"	3.00	1.45



Viega PEX Crimp Stop Valve Straight Zero Lead PolyAlloy Crimp x Lav 1/4 Turn - Model V5036.30

Part Number	Size	L1 (in)	L2 (in)
	1 2		
43023	3/8" x 1/2" Lav	3.00	1.45
43031	1/2" x 1/2" Lav	3.00	1.45

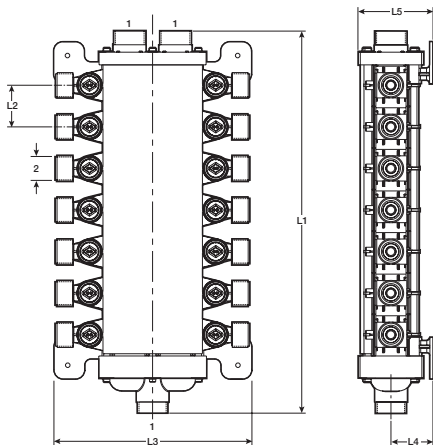


Viega PEX Crimp Stop Valve Straight Zero Lead PolyAlloy Crimp x Closet 1/4 Turn - Model V5036-31

Part Number	Size	L1 (in)	L2 (in)
	1 2		
43002	3/8" x 1/2" Closet	3.00	1.45
43003	1/2" x 1/2" Closet	3.00	1.45

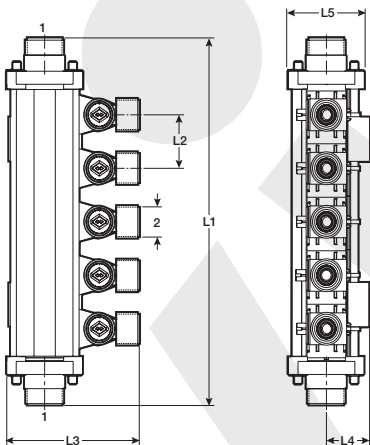
Submittal Package

viega



Viega ManaBloc Distribution Manifold Zero Lead Crimp - Model V5030.5

Part Number	Size	Ports	L1	L2	L3	L4	L5
	1 2						
50143	1" x 5/8" NPSM	14	15.44"	1.68"	8.00"	1.70"	3.00"
51618	1" x 5/8" NPSM	18	18.80"	1.68"	8.00"	1.70"	3.00"
50243	1" x 5/8" NPSM	24	23.78"	1.68"	8.00"	1.70"	3.00"
50303	1" x 5/8" NPSM	30	28.88"	1.68"	8.00"	1.70"	3.00"
50363	1" x 5/8" NPSM	36	33.92"	1.68"	8.00"	1.70"	3.00"



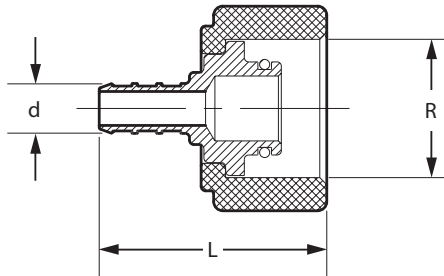
Viega MiniBloc Zoning Manifold Zero Lead Crimp - Model V5031.5

Part Number	Size	Ports	L1	L2	L3	L4	L5
	1 2						
50033	1" x 5/8" NPSM	3	8.19"	1.68"	4.37"	1.42"	2.50"
50043	1" x 5/8" NPSM	4	9.87"	1.68"	4.37"	1.42"	2.50"
51063*	1" x 5/8" NPSM	5	11.55"	1.68"	4.37"	1.42"	2.50"
50063	1" x 5/8" NPSM	6	13.23"	1.68"	4.37"	1.42"	2.50"
51073*	1" x 5/8" NPSM	7	14.91"	1.68"	4.37"	1.42"	2.50"
50083	1" x 5/8" NPSM	8	16.59"	1.68"	4.37"	1.42"	2.50"
51003*	1" x 5/8" NPSM	10	19.95"	1.68"	4.37"	1.42"	2.50"

*Manifold incorporates hot and cold ports.

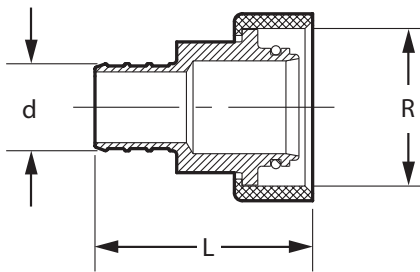
Submittal Package

viega



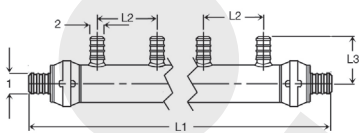
Viega PEX Crimp Port Adapter Zero Lead PolyAlloy for ManaBloc Crimp x Port - Model V5039.1

Part Number	Size		L (in)
	1	2	
50023	3/8" x 1/2" Port		1.58
50133	1/2" x 1/2" Port		1.58



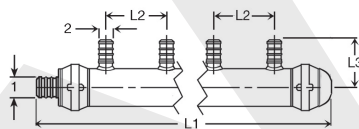
Viega PEX Crimp Supply Adapter Zero Lead PolyAlloy for ManaBloc Crimp x Supply - Model V5213

Part Number	Size		L (in)
	1	2	
50141	3/4" x 1" ManaBloc		1.66
50151	1" x 1" ManaBloc		1.84



Viega PEX Crimp Manifold Zero Lead PolyAlloy Flow Through - Model V5031.2

Part Number	Size		L1 (in)	L2 (in)	L3 (in)
	1	2			
65152	3/4" x 1/2" - 2 Outlet		6.50	2.00	1.55
65153	3/4" x 1/2" - 3 Outlet		8.50	2.00	1.55
65154	3/4" x 1/2" - 4 Outlet		10.50	2.00	1.55
65254	1" x 3/4" x 1/2" - 4 Outlet		10.60	2.00	1.55
65256	1" x 1/2" - 6 Outlet		14.80	2.00	1.55
65258	1" x 1/2" - 8 Outlet		18.80	2.00	1.55

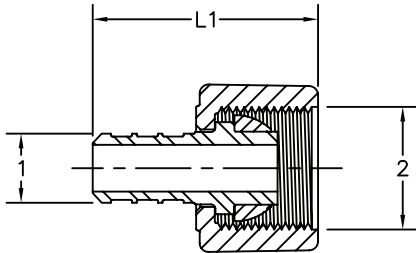


Viega PEX Crimp Manifold Zero Lead PolyAlloy Closed - Model V5031.22

Part Number	Size		L1 (in)	L2 (in)	L3 (in)
	1	2			
65104	3/4" x 1/2" - 4 Outlet		10.10	2.00	1.55
65206	1" x 1/2" - 6 Outlet		14.30	2.00	1.55

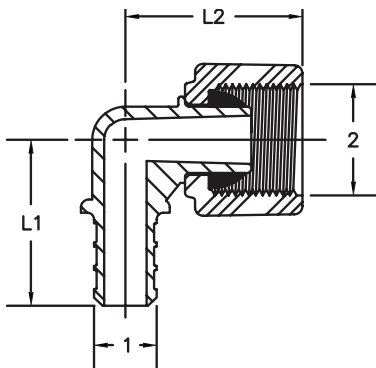
Submittal Package

viega



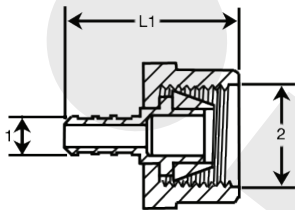
Viega PEX Crimp Lav Adapter Zero Lead PolyAlloy Crimp x Lav - Model V5263

Part Number	Size		L1 (in)
	1	2	
43323	3/8" x 1/2" Lav		1.52
43333	1/2" x 1/2" Lav		1.46
43344	3/4" x 3/4" Lav		1.62



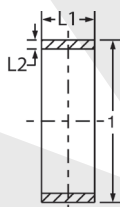
Viega PEX Crimp Lav Adapter 90° Elbow Zero Lead PolyAlloy Crimp x Lav - Model V5255

Part Number	Size		L1 (in)	L2 (in)
	1	2		
43232	3/8" x 1/2" Lav		1.35	1.15
43233	1/2" x 1/2" Lav		1.35	1.15
43244	3/4" x 3/4" Lav		1.42	1.25



Viega PEX Crimp Closet Adapter Zero Lead PolyAlloy Crimp x Closet - Model V5257

Part Number	Size		L1 (in)
	1	2	
43300	3/8" x 1/2" Closet		1.60
43320	1/2" x 1/2" Closet		1.60



Viega PEX Crimp Ring Copper - Model V5019.9

Part Number	Size		L1 (in)	L2 (in)
	1	2		
43600	3/8" SDR9		0.32	0.05
43620	1/2" SDR9		0.32	0.05
43640	3/4" SDR9		0.32	0.05
43660	1" SDR9		0.36	0.04

This document subject to updates. For the most current Viega technical literature please visit www.viega.us.
Click Services -> Click Electronic Literature Downloads -> Select Product Line -> Select Desired Document

Viega LLC, 100 N. Broadway, 6th Floor • Wichita, KS 67202 • Ph: 800-976-9819 • Fax: 316-425-7618