



PRODUCT CATALOG

PUSH FITTING

BRASS



STAINLESS STEEL

Preferred by the pros.

ABOUT US

Mainline Co. is a supplier of quick connection technology that provides a simpler, safer, and a more cost-effective solution for connecting copper, PEX, PE-RT and CPVC piping in plumbing and heating applications. No open flames or sealants needed, just quickly clean the end of the pipe and push the fitting into place; a proven method used by professional contractors and advanced do-it-yourselfers alike.

Our products are a great labor-saving tool. Our simple push fit technology makes it easy for plumbing professionals and the advanced do-it-yourselfers as well, saving the installer 70 - 90% of the installation time over conventional soldering or welding methods. For plumbing professionals, the increased speed offers the ability to complete more jobs in less time, increasing the number of daily service calls and their profitability. In addition, our fittings are designed and warranted to last longer than any other conventional method, up to 75 years.

We supply a broad selection of innovative push to connect products with a compelling competitive value proposition. Mainline has consistently delivered on new product innovations.



PUSH TO CONNECT PLUMBING PRODUCTS

NO ONE DOES THE JOB BETTER, FASTER.

Our products are a great labor-saving tool. Our simple technology makes it easy for the do-it-yourself plumber and plumbing professionals as well, saving the installer 70-90% of the installation time over conventional soldering or welding methods. For plumbing professionals, the increased speed means you complete more jobs in less time, increasing the number of daily service calls. In addition, our technology is designed and warranted to last longer than any other conventional method.



**WORKS ON COPPER, PEX, & CPVC.
INSTALLS IN SECONDS.**

HASSLE- AND FRUSTRATION-FREE APPLICATIONS

Just push to connect for a permanent plumbing connection
in 1/4 the time of soldered technology.



REMOVABLE • REUSABLE • PUSH CONNECT • NO HARMFUL CHEMICALS • FULL FLOW

OUR TECHNOLOGY

BUILT TO LAST

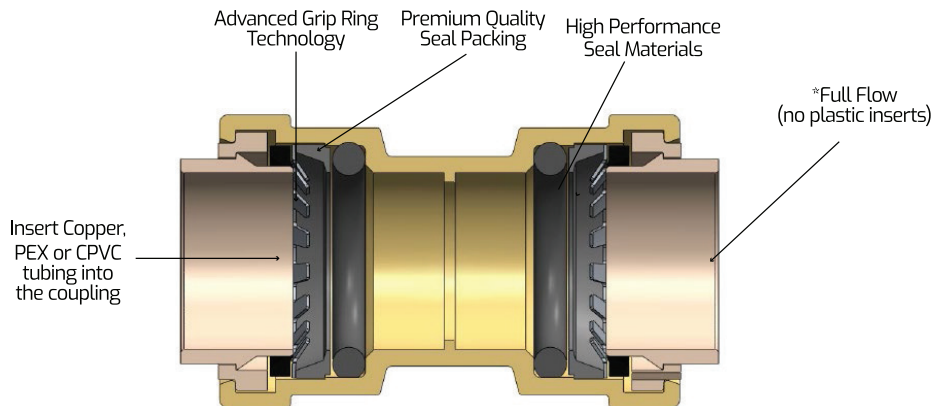
Our patented technologies offer a full range of high-quality plumbing fittings and valves that are quick and easy to install. Our fittings are reusable, durable, permanent plumbing connections, and get the job done 75% faster than traditional methods, including soldering.

Over 100 patents are behind the technology that makes each of our fittings easy, durable, and reliable.



OUR PREMIUM CONSTRUCTION PROVIDES SUPERIOR PERFORMANCE AND THE INDUSTRY'S BEST WARRANTY.

Why install inferior metal or plastic fittings that are made or warranted to last about as long as a fluorescent bulb?
Accept no substitutes, choose the only brand of fitting with an up to 75-year warranty.



75
YEAR
WARRANTY

*When using PEX, a Hi-Flo tube stiffener should be inserted into the tubing end prior to insertion into the fitting or valve.

PIPE AND TUBING

Use For PEX, & CPVC Tubing

Mainline fittings have been tested to ASSE 1061/NSF 61/NSF 372 standards and are listed by IAPMO, meeting UPC, IPC and cUPC requirements.

APPLICATIONS

Fluids, Inert Gases, Water & Air

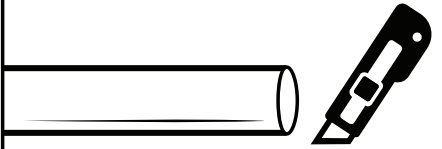
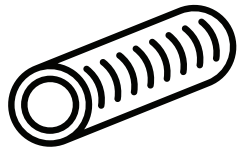
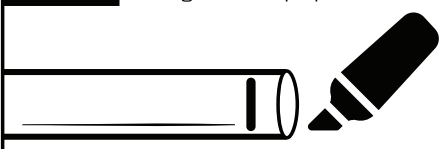
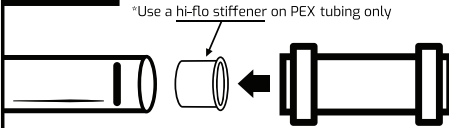
Mainline fittings are certified for potable and hydronic heating installations, as well as underground applications and as a plumbing joint without access panels.

ASSORTMENT

Wide Variety of Fittings, Kits & Valves

Mainline offers a wide range of push connect plumbing fittings, as well as stop valves, ball valves, gate valves, installation kits and custom products.

EASY INSTALL, EASY APPLICATION JUST PUSH TO CONNECT

<p>1 CUT IT Cut your copper, PEX, PE-RT, or CPVC tubing using a sharp tubing cutter.</p>  <p>1. Corte la tubería usando un recortador afilado.</p>	<p>2 CLEAN IT Clean the tubing, and use a deburring tool to ensure proper connection.</p>  <p>2. Limpie y quite las rebabas de la tubería.</p>
<p>3 MARK IT Mark the insertion depth on the tubing to ensure proper insertion.</p>  <p>3. Marque la profundidad de inserción.</p>	<p>4 PUSH IT Push the fitting or valve to meet the insertion depth mark...you're done. <small>*Use a hi-flo stiffener on PEX tubing only</small></p>  <p>4. Empuje el accesorio en la tubería marcada. <small>*Use un refuerzo hi-flo para tubería de PEX</small></p>

PATENTED SLIP CLIP™ RELEASE TOOL

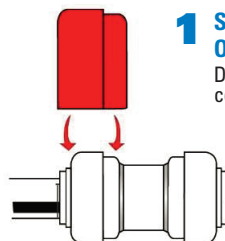
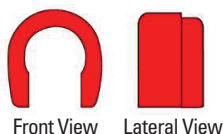
Mainline push technology features a more secure connection than standard fittings, all while giving the user full control through our patented smart release tool.

With our patented Slip Clip release tool, you can easily remove, reposition, and reuse our technology.

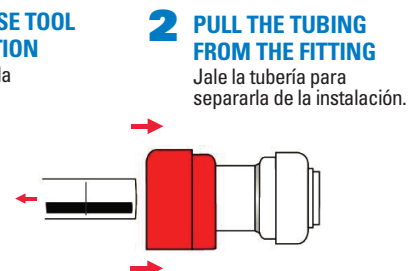
We offer an extensive selection of SKUs in our brass push fitting technology. Both professionals and do-it-yourselfers will find the right solution for their plumbing requirements with Mainline. You just can't beat advanced patented technology, extensive selection, premium quality and superior value proposition.



SLIP CLIP RELEASE TOOL Herramienta de remoción



1 SLIDE THE SLIP CLIP RELEASE TOOL OVER THE FITTING CONNECTION
Deslice el clip de remoción sobre la conexión de ajuste



2 PULL THE TUBING FROM THE FITTING
Jale la tubería para separarla de la instalación.

BRASS


PRODUCT LISTING


BRASS


Mainline Brass delivers superior proven technology, premium quality, significant value – as well as the widest assortment of any competitive push fit brand.


Our lead-free and safe brass alternative push fit technology, provides users with technology that not only protects your health – but their affordability and smart technology protects your time & your wallet, too.




COUPLING	PART #	PRODUCT DESCRIPTION	BOX QTY.	CASE QTY.
	MLU004LF	1/4" x 1/4" Straight Coupling	50	300
	MLU006LF	3/8" x 3/8" Straight Coupling	50	300
	MLU008LF	1/2" x 1/2" Straight Coupling	40	240
	MLU016LF	3/4" x 3/4" Straight Coupling	25	150
	MLU020LF	1" x 1" Straight Coupling	20	120


REDUCING COUPLING	PART #	PRODUCT DESCRIPTION	BOX QTY.	CASE QTY.
	MLU009LF	3/8" x 1/2" Reducing Coupling	50	300
	MLU8408LF	3/8" x 1/4" Reducing Coupling	50	300
	MLU058LF	3/4" x 1/2" Reducing Coupling	30	180
	MLU060LF	1" x 3/4" Reducing Coupling	20	120


SLIP REPAIR COUPLING	PART #	PRODUCT DESCRIPTION	BOX QTY.	CASE QTY.
	MLU3008LF	1/2" x 1/2" Repair Coupling	30	180
	MLU3016LF	3/4" x 3/4" Repair Coupling	20	120
	MLU3020LF	1" x 1" Repair Coupling	10	60


TRANSITION COUPLING	PART #	PRODUCT DESCRIPTION	BOX QTY.	CASE QTY.
	MLU4008LF	1/2" x 1/2" Polybutylene Transition Coupling	40	240
	MLU4016LF	3/4" x 3/4" Polybutylene Transition Coupling	25	150


BRASS

FEMALE STRAIGHT ADAPTER	PART #	PRODUCT DESCRIPTION	BOX QTY.	CASE QTY.
	MLU882FLF	1/4" x 1/4" FNPT Straight Female Adapter	50	300
	MLU069LF	3/8" x 3/8" FNPT Straight Female Adapter	50	300
	MLU072LF	1/2" x 1/2" FNPT Straight Female Adapter	40	240
	MLU088LF	3/4" x 3/4" FNPT Straight Female Adapter	30	180
	MLU094LF	1" x 1" FNPT Straight Female Adapter	25	150


FEMALE STRAIGHT REDUCING ADAPTER	PART #	PRODUCT DESCRIPTION	BOX QTY.	CASE QTY.
	MLU070LF	3/8" x 1/2" FNPT Straight Female Adapter	50	300
	MLU068LF	1/2" x 3/4" FNPT Straight Female Adapter	30	180
	MLU8322FLF	1" x 3/4" FNPT Straight Female Adapter	25	150


MALE STRAIGHT ADAPTER	PART #	PRODUCT DESCRIPTION	BOX QTY.	CASE QTY.
	MLU882MLF	1/4" x 1/4" MNPT Straight Male Adapter	50	300
	MLU112LF	3/8" x 3/8" MNPT Straight Male Adapter	50	300
	MLU120LF	1/2" x 1/2" MNPT Straight Male Adapter	40	240
	MLU134LF	3/4" x 3/4" MNPT Straight Male Adapter	30	180
	MLU140LF	1" x 1" MNPT Straight Male Adapter	25	150


MALE STRAIGHT REDUCING ADAPTER	PART #	PRODUCT DESCRIPTION	BOX QTY.	CASE QTY.
	MLU118LF	3/8" x 1/2" MNPT Straight Male Adapter	50	300
	MLU116LF	1/2" x 3/4" MNPT Straight Male Adapter	30	180
	MLU139LF	3/4" x 1" MNPT Straight Male Adapter	25	150
	MLU142LF	1" x 3/4" MNPT Straight Male Adapter	25	150


CTS ADAPTER	PART #	PRODUCT DESCRIPTION	BOX QTY.	CASE QTY.
	MLU719LF	1/2" CTS x 3/8" Push Reducing Coupling	30	180
	MLU721LF	3/4" CTS x 3/8" Push Reducing Coupling	30	180
	MLU722LF	1" CTS x 1/2" Push Reducing Coupling	20	120
	MLU724LF	1" CTS x 3/4" Push Reducing Coupling	20	120
	MLU766LF	3/4" CTS x 3/4" FNPT, Water Heater Adapter	30	180


BRASS

ELBOW	PART #	PRODUCT DESCRIPTION	BOX QTY.	CASE QTY.
	MLU244LF	1/4" x 1/4" Elbow	50	300
	MLU246LF	3/8" x 3/8" Elbow	40	240
	MLU248LF	1/2" x 1/2" Elbow	30	180
	MLU256LF	3/4" x 3/4" Elbow	25	150
	MLU260LF	1" x 1" Elbow	15	90


FEMALE ELBOW ADAPTER	PART #	PRODUCT DESCRIPTION	BOX QTY.	CASE QTY.
	MLU304LF	3/8" x 3/8" FNPT Elbow	50	300
	MLU308LF	1/2" x 1/2" FNPT Elbow	40	240
	MLU314LF	3/4" x 3/4" FNPT Elbow	25	150


MALE ELBOW ADAPTER	PART #	PRODUCT DESCRIPTION	BOX QTY.	CASE QTY.
	MLU277LF	3/8" x 3/8" MNPT Elbow	50	300
	MLU280LF	1/2" x 1/2" MNPT Elbow	40	240
	MLU286LF	3/4" x 3/4" MNPT Elbow	25	150


REDUCING ELBOW	PART #	PRODUCT DESCRIPTION	BOX QTY.	CASE QTY.
	MLU274LF	3/4" x 1/2" Elbow	25	150
	MLU278LF	1" x 3/4" Reducing Elbow	15	90

DROP EAR ELBOW	PART #	PRODUCT DESCRIPTION	BOX QTY.	CASE QTY.
	MLU328LF	3/8" x 3/8" FNPT Elbow Drop Ear	40	240
	MLU332LF	3/8" x 1/2" FNPT Elbow Drop Ear	30	180
	MLU249LF	1/2" x 1/2" Elbow Drop Ear	30	180
	MLU334LF	1/2" x 1/2" FNPT Elbow Drop Ear	30	180
	MLU340LF	3/4" x 3/4" FNPT Elbow Drop Ear	20	120
	MLU335LF	1/2" x 1/2" FNPT Elbow Hy-Ear	30	180


BRASS

EQUAL TEE	PART #	PRODUCT DESCRIPTION	BOX QTY.	CASE QTY.
	MLU358LF	1/4" x 1/4" x 1/4" Tee	40	240
	MLU360LF	3/8" x 3/8" x 3/8" Tee	30	180
	MLU362LF	1/2" x 1/2" x 1/2" Tee	25	150
	MLU370LF	3/4" x 3/4" x 3/4" Tee	15	90
	MLU374LF	1" x 1" x 1" Tee	10	60


TEE	PART #	PRODUCT DESCRIPTION	BOX QTY.	CASE QTY.
	MLU364LF	3/8" x 3/8" x 1/2" Reducing Tee	30	180
	MLU363LF	1/2" x 1/2" x 3/8" Reducing Tee	30	180
	MLU454LF	3/4" x 1/2" x 1/2" Reducing Tee	15	90
	MLU444LF	3/4" x 1/2" x 3/4" Reducing Tee	15	90
	MLU412LF	3/4" x 3/4" x 1/2" Reducing Tee	15	90
	MLU416LF	1" x 1" x 3/4" Reducing Tee	10	60
	MLU3362LF	1/2" x 1/2" x 1/2" Slip Tee	15	90
	MLU3370LF	3/4" x 3/4" x 3/4" Slip Tee	10	60
	MLU3482LF	1/2" x 1/2" x 1/2" FNPT Slip Tee	15	90
	MLU3486LF	3/4" x 3/4" x 3/4" FNPT Slip Tee	10	60
	MLU462LF	3/4" x 3/4" x 3/4" FNPT Tee	15	90
	MLU464LF	1" x 1" x 1" FNPT Tee	10	60

CAP	PART #	PRODUCT DESCRIPTION	BOX QTY.	CASE QTY.
	MLU886RLF	1/4" End Stop	60	360
	MLU512LF	3/8" End Stop	60	360
	MLU514LF	1/2" End Stop	50	300
	MLU518LF	3/4" End Stop	40	240
	MLU520LF	1" End Stop	30	180

BRASS

BALL VALVE	PART #	PRODUCT DESCRIPTION	BOX QTY.	CASE QTY.
	ML902LF	3/8" x 3/8" Full Port Ball Valve	30	180
	ML22222LF	1/2" x 1/2" Full Port Ball Valve	25	150
	ML22185LF	3/4" x 3/4" Full Port Ball Valve	15	90
	ML22186LF	3/4" x 3/4" FNPT Full Port Ball Valve	15	90
	ML22223LF	1" x 1" Full Port Ball Valve	10	60
	ML22305LF	3/4" x 3/4" Full Port Valve w/ Drain	15	90


CHECK VALVE	PART #	PRODUCT DESCRIPTION	BOX QTY.	CASE QTY.
	MLU2008LF	1/2" Check Valve	30	180
	MLU2016LF	3/4" Check Valve	20	120
	MLU2020LF	1" Check Valve	15	90

FAUCET CONNECTOR	PART #	PRODUCT DESCRIPTION	BOX QTY.	CASE QTY.
	ML23386LF	1/2" Straight Valve x 1/2" FIP, 12" Faucet Connector Hose, EPDM Seal	10	N/A
	ML23388LF	1/2" Straight Valve x 1/2" FIP, 18" Faucet Connector Hose, EPDM Seal	10	N/A
	ML7475LF	1/2" Push Straight Valve x 1/2" FIP, 24" Faucet Connector Hose, EPDM Seal	10	N/A
	ML23385LF	1/2" Push Angle Valve x 1/2" FIP x 12" Faucet Connector Hose, EPDM Seal	10	N/A
	ML23387LF	1/2" Push Angle Valve x 1/2" FIP x 18" Faucet Connector Hose, EPDM Seal	10	N/A
	ML747ALF	1/2" Push Angle Valve x 1/2" FIP x 24" Faucet Connector Hose, EPDM Seal	10	N/A

TOILET CONNECTOR	PART #	PRODUCT DESCRIPTION	BOX QTY.	CASE QTY.
	ML23390LF	1/2" Straight Valve x 7/8" Plastic Female, 12" Toilet Connect Hose	10	N/A
	ML23392LF	1/2" Straight Valve x 7/8" Plastic Female, 18" Toilet Connect Hose	10	N/A
	ML23389LF	1/2" Angle Valve x 7/8" Plastic Female, 12" Toilet Connect Hose	10	N/A
	ML23391LF	1/2" Angle Valve x 7/8" Plastic Female, 18" Toilet Connect Hose	10	N/A


BRASS


WATER HEATER CONNECTOR	PART #	PRODUCT DESCRIPTION	BOX QTY.	CASE QTY.
	MLUFXS12LF	1/2" PF x 3/4" FIP, 18" Stainless Steel Braided Water Heater Hose	10	N/A
	MLUFXS18LF	3/4" PF x 3/4" FIP, 18" Stainless Steel Braided Water Heater Hose, EPDM Seal	10	N/A
	MLUFX12LF	3/4" PF x 3/4" FIP Full Port 12" Stainless Steel Braided Water Heater Hose	10	N/A
	MLUFX18LF	3/4" PF x 3/4" FIP Full Port 18" Stainless Steel Braided Water Heater Hose	10	N/A
	MLUFX24LF	3/4" PF x 3/4" FIP Full Port 24" Stainless Steel Braided Water Heater Hose	10	N/A
	MLUFXPF18LF	3/4" PF x 3/4" FIP, Full Port 18" Stainless Steel Braided Water Heater Hose	10	N/A
	MLUFXS18BVLF	3/4" PF Ball Valve x 3/4" FIP 18" Stainless Steel Braided Water Heater Hose	10	N/A
	MLUFX18BVLF	3/4" PF Ball Valve x 3/4" FIP, Full Port 18" Stainless Steel Braided Water Heater Hose	10	N/A
	MLU7128KLF	1/2" PF x 3/4" FNPT Water Heater Installation Kit: Includes (2) LFB42FR & (1) PP711R	20	120
	MLU718KLF	1/2" PF x 1/2" FNPT Water Heater Installation Kit: Includes (2) LFB12FR & (1) PP711R	30	180
	MLU728KLF	3/4" PF x 3/4" FNPT Water Heater Installation Kit: Includes (2) LFB22FR & (1) PP721R	20	120


REPAIR HOSE	PART #	PRODUCT DESCRIPTION	BOX QTY.	CASE QTY.
	MLU716LF	1/2" PF x 1/2" PF, 12" SST Repair Hose	10	N/A
	MLU715LF	1/2" PF x 1/2" PF, 18" SST Repair Hose	10	N/A
	MLU726LF	3/4" PF x 3/4" PF, 12" SST Repair Hose	10	N/A
	MLU725LF	3/4" PF x 3/4" PF, 18" SST Repair Hose	10	N/A
	MLU716FLF	1/2" PF x 1/2" FIP, 12" SST Repair Hose	10	N/A
	MLU715FLF	1/2" PF x 1/2" FIP, 18" SST Repair Hose	10	N/A
	MLU717FLF	1/2" PF x 1/2" FIP, 24" SST Repair Hose	10	N/A

STOP VALVE	PART #	PRODUCT DESCRIPTION	BOX QTY.	CASE QTY.
	ML23336LF	1/2" x 1/4" OD. Chrome Plated, 1/4 Turn Angle Stop Valve	30	180
	ML23337LF	1/2" x 1/4" OD. Chrome Plated, 1/4 Turn Straight Stop Valve	30	180
	ML23036LF	1/2" x 3/8" OD. Chrome Plated, 1/4 Turn Angle Stop Valve	30	180
	ML23037LF	1/2" x 3/8" OD. Chrome Plated, 1/4 Turn Straight Stop Valve	30	180
	ML24983LF	1/2" x 1/2" x 1/4" OD Comp., 3-way, Chrome Plated 1/4 Turn Stop Valve Tee	30	180
	ML24984LF	1/2" x 1/2" x 3/8" OD Comp., 3-way, Chrome Plated 1/4 Turn Stop Valve Tee	30	180
	ML25558LF	1/2" x 3/8" OD Comp. x 3/8" OD Comp., 3-way, Chrome Plated 1/4 Turn Stop Valve Tee	30	180
	ML9745LF	1/2" x 5/8" OD. Chrome Plated, 1/4 Turn Straight Stop Valve	30	180
	ML24987LF	1/2" x 1/2", 1/4 Turn Straight Stop Valve	30	180

BRASS

SLIP CLIP™ RELEASE TOOL	PART #	PRODUCT DESCRIPTION	BOX QTY.	CASE QTY.
	MLU711	1/2" Patented Slip Clip™ Release Tool	35	210
	MLU721	3/4" Patented Slip Clip™ Release Tool	25	150
	MLU731	1" Patented Slip Clip™ Release Tool	20	120

DISCONNECT TOOL	PART #	PRODUCT DESCRIPTION	BOX QTY.	CASE QTY.
	MLU706	1/4" Disconnect Tool	100	600
	MLU708	3/8" Disconnect Tool	100	600

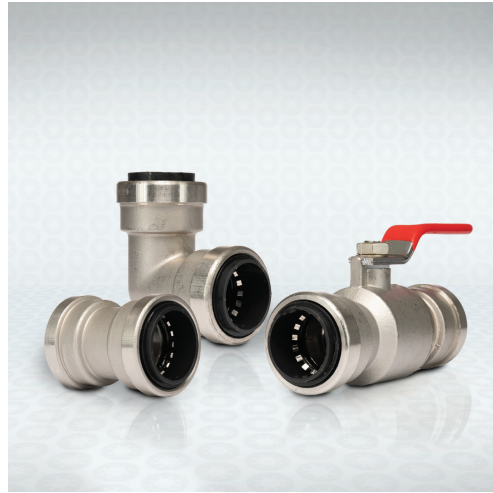
STIFFENER	PART #	PRODUCT DESCRIPTION	BOX QTY.	CASE QTY.
	MLU38TS	3/8" Tube Stiffener, Hi-Flo (Bag of 10)	100	N/A
	MLU12TS	1/2" Tube Stiffener, Hi-Flo (Bag of 10)	100	N/A
	MLU34TS	3/4" Tube Stiffener, Hi-Flo (Bag of 10)	100	N/A
	MLU1TS	1" Tube Stiffener, Hi-Flo (Bag of 10)	100	N/A


STAINLESS STEEL


PRODUCT LISTING

STAINLESS STEEL


The QuickFitting Stainless Steel push fittings product line delivers the same patented design with superior sealing performance but raises the bar for the industry with a 100% lead-free professional grade 304 stainless steel body. These premium fittings offer the best corrosion resistance and are available in larger sizes (1-1/4" – 2").





COUPLING	PART #	PRODUCT DESCRIPTION	BOX QTY.	CASE QTY.
	MLSS811R	1/2" x 1/2" Straight Coupling	40	240
	MLSS821R	3/4" x 3/4" Straight Coupling	25	150
	MLSS831R	1" x 1" Straight Coupling	20	120
	MLSS851R	1-1/4" x 1-1/4" Straight Coupling	8	48
	MLSS861R	1-1/2" x 1-1/2" Straight Coupling	4	24
	MLSS871R	2" x 2" Straight Coupling	3	18
	MLSS841R	3/4" x 1/2" Reducing Coupling	30	180
	MLSS817R	1/2" x 1/2" Repair Coupling	20	120
	MLSS827R	3/4" x 3/4" Repair Coupling	12	72

FEMALE STRAIGHT ADAPTER	PART #	PRODUCT DESCRIPTION	BOX QTY.	CASE QTY.
	MLSS812FR	1/2" x 1/2" FNPT Straight Female Adapter	40	240
	MLSS822FR	3/4" x 3/4" FNPT Straight Female Adapter	30	180
	MLSS832FR	1" x 1" FNPT Straight Female Adapter	25	150
	MLSS852FR	1-1/4" x 1-1/4" FNPT Straight Female Adapter	10	60
	MLSS862FR	1-1/2" x 1-1/2" FNPT Straight Female Adapter	6	36
	MLSS872FR	2" x 2" FNPT Straight Female Adapter	5	30
	MLSS842FR	1/2" x 3/4" FNPT Straight Female Adapter	30	180


STAINLESS STEEL


MALE STRAIGHT ADAPTER	PART #	PRODUCT DESCRIPTION	BOX QTY.	CASE QTY.
	MLSS812MR	1/2" x 1/2" MNPT Straight Male Adapter	40	240
	MLSS822MR	3/4" x 3/4" MNPT Straight Male Adapter	30	180
	MLSS832MR	1" x 1" MNPT Straight Male Adapter	25	150
	MLSS852MR	1-1/4" x 1-1/4" MNPT Straight Male Adapter	10	60
	MLSS862MR	1-1/2" x 1-1/2" MNPT Straight Male Adapter	6	36
	MLSS872MR	2" x 2" MNPT Straight Male Adapter	5	30


ELBOW	PART #	PRODUCT DESCRIPTION	BOX QTY.	CASE QTY.
	MLSS813R	1/2" x 1/2" Elbow	30	180
	MLSS823R	3/4" x 3/4" Elbow	20	120
	MLSS833R	1" x 1" Elbow	15	90
	MLSS853R	1-1/4" x 1-1/4" Elbow	6	36
	MLSS863R	1-1/2" x 1-1/2" Elbow	4	24
	MLSS873R	2" x 2" Elbow	2	12
	MLSS813FR	1/2" x 1/2" FNPT Elbow	40	240
	MLSS823FR	3/4" x 3/4" FNPT Elbow	25	150
	MLSS813MR	1/2" x 1/2" MNPT Elbow	40	240
	MLSS823MR	3/4" x 3/4" MNPT Elbow	25	150
	MLSS843R	3/4" x 1/2" Elbow	25	150


TEE	PART #	PRODUCT DESCRIPTION	BOX QTY.	CASE QTY.
	MLSS814R	1/2" x 1/2" x 1/2" Tee	25	150
	MLSS824R	3/4" x 3/4" x 3/4" Tee	15	90
	MLSS834R	1" x 1" x 1" Tee	10	60
	MLSS854R	1-1/4" x 1-1/4" x 1-1/4" Tee	4	24
	MLSS864R	1-1/2" x 1-1/2" x 1-1/2" Tee	2	12
	MLSS874R	2" x 2" x 2" Tee	1	6
	MLSS815R	3/4" x 1/2" x 1/2" Reducing Tee	15	90
	MLSS825R	3/4" x 1/2" x 3/4" Reducing Tee	15	90
	MLSS844R	3/4" x 3/4" x 1/2" Reducing Tee	15	90
	MLSS835R	1" x 1" x 3/4" Reducing Tee	10	60

STAINLESS STEEL

CAP	PART #	PRODUCT DESCRIPTION	BOX QTY.	CASE QTY.
	MLSS816R	1/2" End Stop	50	300
	MLSS826R	3/4" End Stop	40	240
	MLSS836R	1" End Stop	30	180
	MLSS856R	1-1/4" End Stop	15	90
	MLSS866R	1-1/2" End Stop	9	54
	MLSS876R	2" End Stop	7	42

BALL VALVE	PART #	PRODUCT DESCRIPTION	BOX QTY.	CASE QTY.
	MLSS912R	1/2" x 1/2" Full Port Ball Valve	25	150
	MLSS922R	3/4" x 3/4" Full Port Ball Valve	12	72
	MLSS932R	1" x 1" Full Port Ball Valve	10	60
	MLSS952R	1-1/4" x 1-1/4" Full Port Ball Valve	1	1
	MLSS962R	1-1/2" x 1-1/2" Full Port Ball Valve	1	1
	MLSS972R	2" x 2" Full Port Ball Valve	1	1

SLIP CLIP™ RELEASE TOOL	PART #	PRODUCT DESCRIPTION	BOX QTY.	CASE QTY.
	MLU711	1/2" Patented Slip Clip™ Release Tool	35	210
	MLU721	3/4" Patented Slip Clip™ Release Tool	25	150
	MLU731	1" Patented Slip Clip™ Release Tool	20	120
	MLU771	1-1/4" Patented Slip Clip™ Release Tool	10	60
	MLU781	1-1/2" Patented Slip Clip™ Release Tool	8	48
	MLU791	2" Patented Slip Clip™ Release Tool	6	36

STIFFENER	PART #	PRODUCT DESCRIPTION	BOX QTY.	CASE QTY.
	MLU12TS	1/2" Tube Stiffener, Hi-Flo (Bag of 10)	100	N/A
	MLU34TS	3/4" Tube Stiffener, Hi-Flo (Bag of 10)	100	N/A
	MLU1TS	1" Tube Stiffener, Hi-Flo (Bag of 10)	100	N/A
	MLU114TS	1-1/4" Tube Stiffener, Hi-Flo (Bag of 2)	100	N/A
	MLU112TS	1-1/2" Tube Stiffener, Hi-Flo (Bag of 2)	100	N/A
	MLU2TS	2" Tube Stiffener, Hi-Flo (Bag of 2)	100	N/A

ADDITIONAL INFORMATION



FREQUENTLY ASKED QUESTIONS

JOINING PEX, OR CPVCTUBING

Q: Do I need to prepare the tube ends differently when using push fittings?

A: No, as with sweat copper fittings, the tube must be chamfered, de-burred and reamed (free from burrs and debris). Mainline recommends the use of an Inner/Outer Reamer to chamfer, de-burr and ream tube ends. These steps are essential to ensure the proper connection of your push-to-connect fitting. Also, be sure to draw an insertion mark on the tube to indicate the proper insertion of the tubing into the fitting.

Q: What types of tubing can be used with Mainline push to connect fittings?

A: Mainline connectors are approved for use with CPVC and PEX.

Q: Should I use a tubing insert stiffener on PEX and CPVC?

A: A stiffener is only required when connecting PEX tubing.

Q: Should I pressure test my system following the installation of push fittings?

A: Yes, as with all types of plumbing fittings, new installations should be pressure tested to ensure a proper connection.

Q: Can I install push fittings in a wet (charged) system?

A: Push fittings can be installed wet or dry. System pressures should be relieved to avoid injury prior to installation.

INSTALLING, TESTING AND FLUSHING YOUR PUSH FIT SYSTEM

Q: Can our Fittings blow off a water system?

A: NO. the grip ring technology utilizes an opposing force principle, which simply put, the higher the force used to pull the fitting, the deeper the fitting bites into the tubing.

Q: What pressure/temperature have our fittings been tested to withstand?

A: Mainline push to connect fittings are tensile tested to over 900-pound force and temperatures up to 200 °F.

Q: What support hanger spacing must I use with my Mainline system?

A: Support requirements are identical to a sweat system; as such installers should adhere to local codes. Always fully support heavy loads on your plumbing system.

Q: How do I test my Mainline system?

A: Pressure testing should be conducted the same way as you would with a Copper sweat system. The system should be installed, pressurized and then held under pressure for a period determined by your local plumbing regulations.

Q: Do I need to lubricate the fitting when installing?

A: No, Mainline seals are factory-lubricated with an NSF-61 approved lubricant.

Q: Do I still have to flush my system with water?

A: Yes, but the system will be cleaner and flush faster since there is no solder or flux.

Q: Should I use glue or solder when installing Mainline?

A: Glues, adhesives or sealants are not required and should never be applied to the connection, fitting or tubing.

Q: Are Mainline push to connect fittings approved for underground burial?

A: Yes, our fittings are tested and approved for underground burial and in-wall use. We recommend wrapping the connection in a waterproof tape to avoid aggressive chemicals that may exist in the soil.



SYSTEM

1.1 The fittings and valves shall be of the push to connect type (Manufacturer - Quick Fitting Holding Co.) and shall be manufactured to the quality system of ISO 9001.

1.2 The system shall be full bore passage without diameter restriction for the fittings, in order to avoid high pressure-drop.

PIPE

2.1 Copper pipe shall conform to ASTM B-88 and may be type K, L, or M seamless copper.

2.2 CPVC pipe shall conform to ASTM D2846, CSA B137.6.

2.3 PEX tubing shall conform to ASTM F-876, CSA B137.5. Tube support liners provided by QuickFitting shall be used.

2.4 Plumbing systems must be installed in compliance with local plumbing code.

FITTINGS & VALVES

3.1 Fittings and valves shall have a maximum operating pressure of 200 PSI at a maximum continuous operating temperature of 200°F. Higher temperatures and pressures may be permissible; please consult with manufacturer.

3.2 Fittings shall utilize copper alloy bodies meeting ASTM B-283 standard with stainless steel gripping teeth and shall use EPDM seals that are certified to NSF-61 service.

3.3 Fittings and valves shall incorporate a one-step connection method: push-to-connect, no pre-lubrication required.

3.4 Fittings and valves shall permit 360° rotation of the pipe while system is depressurized.

3.5 Fittings and valves shall be removable and reusable with the use of a removal tool (Manufacturer - Mainline Holding Co.)

3.6 Fittings shall use NSF/ANSI/CAN 61-2020 and NSF/ANSI/CAN 372-2020 approved pre-lubricated EPDM seals so that additional lubrication or fitting preparation is not needed.

3.7 Fittings shall be design certified to ASSE-1061, NSF/ANSI/CAN 61-2020, and NSF/ANSI/CAN 372-2020.

SYSTEM INSTALLATION

4.1 Fittings shall be installed according to QuickFitting installation instructions.

4.2 Pipe ends shall be chamfered, de-burred, reamed, and depth marked prior to fitting or valve installation. When cutting tubing, ensure that the ends are cut square and are free of burrs.

4.3 Ensure that there are no scratches, gouges or any form of damage on the circumference of the tube within the specified depth on Table 1.1. Damage in this area may cause leakage. Check the fitting for any signs of damage or foreign objects. Push the QuickFitting fitting or valve onto the end of the copper pipe until depth mark is covered.

INSERTION DEPTH TABLE

Fitting Size	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Depth	3/4"	3/4"	1"	1-3/16"	1-3/16"	1-7/8"	2-1/8"	2-3/16"

4.4 Use only in accordance with QuickFitting's specifications and operating instructions.

4.5 If PEX tubing is used, then a tube support liner must be used also. The tube support liner acts as an internal support for the end of the tubing.

4.6 When a joint has to be disassembled and then re-used, ensure that the tubing removed from the joint has no damage on the circumference within the specified depth on Table 1.1. Inspect the tube and connection for any signs of damage and ensure they are free of foreign materials. The joint can then be reassembled.

4.7 Installations shall be pressure tested to ensure proper insertion of the push fittings and valves.

4.8 Installers shall never use pliers or crush the push connect head of the fitting.



WARRANTY INFORMATION

UP TO 75 YEAR MAINLINE PRODUCT WARRANTY

Subject to the conditions outlined herein, Mainline Co., hereafter referred to as “Mainline” warrants to owners of real property in the United States that its Mainline brass, copper, and stainless-steel push-to-connect fittings and adapters shall be free from defects in material and workmanship in water service and other approved materials for a period of seventy-five (75) years from the date of purchase of the products. Mainline makes no other warranties express or implied. This limitation explicitly excludes any implied warranty of merchantability or fitness for a particular purpose.

WARRANTY CONDITIONS

- 1-** Proof of purchase is required to validate the Warranty Period. If proof of purchase is not available, the Warranty Period commencement shall default to the date of manufacture for each product. If the product suspected of a defect does not have a clear date of manufacture on it, a proof of purchase will be required.
- 2-** All products must be installed in accordance with all then applicable codes, good plumbing practice, in accordance with any local, state, or federal requirements, and installed in a potable water or radiant heating application unless a non-potable water service is specifically allowed for in the pertinent product literature.
- 3-** The installer must use construction techniques compliant with then applicable codes to install the product and use the product within the design parameters specified in any installation guidelines and technical notes for the applicable system. This shall include field pressure testing prior to concealing with concrete or by other means and wrapping any brass fitting when buried. Failure to install Mainline products according to manufacturer's installation instruction will void all applicable warranties and may result in severe water damage.
- 4-** Products must at all times be used in a manner consistent with their intended use and be used in installations and environments acceptable to their material and design specifications, including not being installed in a system that may operate at temperatures or at pressures exceeding the approved ratings which can be found on the product, packaging or installation instructions.
- 5-** Without limiting the foregoing, this Limited Warranty does not apply and you do not have a right of reimbursement if the product failure or resulting damage is caused by: (a) evidence of tampering, mishandling, neglect, abuse, accidental damage, freeze damage (it is expressly understood that failure as a result of any freezing fluids within the pipes does not constitute a defect in material or workmanship and shall not be covered by this warranty) or unauthorized modifications or repairs that cause damage to warranted products; (b) exposure to harmful, unauthorized, or unanticipated chemicals or substances or corrosive water conditions; (c) exposure to ultraviolet light; (d) faulty installation including failure to follow proper burial instructions; (e) damage from abnormal operating conditions including exposure pressures and temperatures beyond the specified operating range; (f) failure to properly test and pass common testing methods (including pressure testing) after the installation and before the product or system is put in service; (g) components not manufactured or sold by Mainline; or (h) acts of nature such as earthquakes, fire, flood or lightning.
- 6-** Fittings must be installed on tubing, piping, or fittings that comply with applicable ASTM/CSA standards and that have been certified by a recognized third-party testing agency. Mainline will be responsible only for proven defects in material or workmanship in Mainline products. Problems in products manufactured by another company should be reported to that manufacturer.



In order to be eligible for service under this Limited Warranty you must return the defective product to Mainline for inspection and testing within thirty (30) days after detection of alleged failure or defect occurring within applicable Warranty Period (with shipping charges prepaid) to the original place of purchase. If the alleged defect involves a connection or joint with a Mainline product, the fitting must be returned with a section of the pipe still inserted. You must include the model number of the product (if available), the original date of purchase, proof of purchase and the nature of the alleged product failure or defect. Products returned without shipping charges prepaid will be refused. For questions or inquiries, in the U.S. call 1.877.238.4826.

If, after inspection, we find that a product covered by this Limited Warranty has failed due to a defect in material or workmanship during the specified Warranty Period, we will repair or replace, at our sole option, free of charge, the defective product during normal working hours and through a place of business as determined by Mainline.

Notwithstanding anything to the contrary in this Limited Warranty, if Mainline determines that any damages to the real property in which a defective product was installed were the direct result of a leak or failure caused by a defect in material or workmanship in any Mainline product covered by this Limited Warranty and occurring within the first ten years after date of purchase or during the applicable Warranty Period, whichever is shorter, and if reasonable steps were taken to promptly limit or stop the effects of such leak or failure as soon as it was discovered, then Mainline will reimburse the property owner for the reasonable costs of repairing or replacing such damaged real property to include flooring, drywall and painting and other real property damaged by the leak directly caused by the allegedly defective Mainline product when the Mainline product was installed by a licensed professional plumbing contractor. Except as specified above or otherwise specifically authorized in writing by Mainline, Mainline shall not pay for any costs or expenses for transportation, relocation, labor, repairs or any other work associated with removing and/or returning failed or defective products or installing replacement products.

Mainline shall not be responsible for any other incidental, indirect, contingent, special or consequential damages, including without limitation, economic loss, lost profits or the cost of repairing or replacing other property which is damaged if these warranted products do not work properly, other costs resulting from labor charges, delays, vandalism, negligence, fouling caused by foreign material, damage from adverse water conditions, adverse chemical environments, or any other circumstances over which Mainline has no control. This limitation applies even if Mainline could have foreseen or has been advised of the possibility of these damages. This Limited Warranty shall be invalidated by any abuse, misuse, misapplication or improper installation of the product. Any remaining warranty coverage may not be assigned or transferred after the period ending ten years following the installation. Mainline does not guarantee or in any way warrant the integrity or workmanship of the contractor/installer.



VALVE & CONTROL WARRANTY

Subject to the conditions outlined herein, Mainline Co., hereafter referred to as “Mainline” warrants to owners of real property in the United States that its Mainline brass, copper, and stainless steel push-to-connect ball valves, stop valves, and controls shall be free from defects in material and workmanship in water service and other approved materials for a period of seven (7) years from the date of purchase of the products. Mainline makes no other warranties express or implied. This limitation explicitly excludes any implied warranty of merchantability or fitness for a particular purpose.

WARRANTY CONDITIONS

- 1-** Proof of purchase is required to validate the Warranty Period. If proof of purchase is not available, the Warranty Period commencement shall default to the date of manufacture for each product. If the product suspected of a defect does not have a clear date of manufacture on it, a proof of purchase will be required.
- 2-** All products must be installed in accordance with all then applicable codes, good plumbing practice, in accordance with any local, state, or federal requirements, and installed in a potable water or radiant heating application unless a non-potable water service is specifically allowed for in the pertinent product literature.
- 3-** The installer must use construction techniques compliant with then applicable codes to install the product and use the product within the design parameters specified in any installation guidelines and technical notes for the applicable system. This shall include field pressure testing prior to concealing with concrete or by other means and wrapping any brass fitting when buried. Failure to install Mainline products according to manufacturer's installation instruction will void all applicable warranties and may result in severe water damage.
- 4-** Products must at all times be used in a manner consistent with their intended use and be used in installations and environments acceptable to their material and design specifications, including not being installed in a system that may operate at temperatures or at pressures exceeding the approved ratings which can be found on the product, packaging or installation instructions.
- 5-** Without limiting the foregoing, this Limited Warranty does not apply and you do not have a right of reimbursement if the product failure or resulting damage is caused by: (a) evidence of tampering, mishandling, neglect, abuse, accidental damage, freeze damage (it is expressly understood that failure as a result of any freezing fluids within the pipes does not constitute a defect in material or workmanship and shall not be covered by this warranty) or unauthorized modifications or repairs that cause damage to warranted products; (b) exposure to harmful, unauthorized, or unanticipated chemicals or substances or corrosive water conditions; (c) exposure to ultraviolet light; (d) faulty installation including failure to follow proper burial instructions; (e) damage from abnormal operating conditions including exposure pressures and temperatures beyond the specified operating range; (f) failure to properly test and pass common testing methods (including pressure testing) after the installation and before the product or system is put in service; (g) components not manufactured or sold by Mainline; or (h) acts of nature such as earthquakes, fire, flood or lightning.
- 6-** Fittings must be installed on tubing, piping, or fittings that comply with applicable ASTM/CSA standards and that have been certified by a recognized third-party testing agency. Mainline will be responsible only for proven defects in material or workmanship in Mainline products. Problems in products manufactured by another company should be reported to that manufacturer.



In order to be eligible for service under this Limited Warranty you must return the defective product to Mainline for inspection and testing within thirty (30) days after detection of alleged failure or defect occurring within applicable Warranty Period (with shipping charges prepaid) to the original place of purchase. If the alleged defect involves a connection or joint with a Mainline product, the fitting must be returned with a section of the pipe still inserted. You must include the model number of the product (if available), the original date of purchase, proof of purchase and the nature of the alleged product failure or defect. Products returned without shipping charges prepaid will be refused. For questions or inquiries, in the U.S. call 1.877.238.4826.

If, after inspection, we find that a product covered by this Limited Warranty has failed due to a defect in material or workmanship during the specified Warranty Period, we will repair or replace, at our sole option, free of charge, the defective product during normal working hours and through a place of business as determined by Mainline. Notwithstanding anything to the contrary in this Limited Warranty, if Mainline determines that any damages to the real property in which a defective product was installed were the direct result of a leak or failure caused by a defect in material or workmanship in any Mainline product covered by this Limited Warranty and occurring within the first seven years after date of purchase or during the applicable Warranty Period, whichever is shorter, and if reasonable steps were taken to promptly limit or stop the effects of such leak or failure as soon as it was discovered, then Mainline will reimburse the property owner for the reasonable costs of repairing or replacing such damaged real property to include flooring, drywall and painting and other real property damaged by the leak directly caused by the allegedly defective Mainline product when the Mainline product was installed by a licensed professional plumbing contractor. Except as specified above or otherwise specifically authorized in writing by Mainline, Mainline shall not pay for any costs or expenses for transportation, relocation, labor, repairs or any other work associated with removing and/or returning failed or defective products or installing replacement products.

Mainline shall not be responsible for any other incidental, indirect, contingent, special or consequential damages, including without limitation, economic loss, lost profits or the cost of repairing or replacing other property which is damaged if these warranted products do not work properly, other costs resulting from labor charges, delays, vandalism, negligence, fouling caused by foreign material, damage from adverse water conditions, adverse chemical environments, or any other circumstances over which Mainline has no control. This limitation applies even if Mainline could have foreseen or has been advised of the possibility of these damages. This Limited Warranty shall be invalidated by any abuse, misuse, misapplication or improper installation of the product. Any remaining warranty coverage may not be assigned or transferred after the period ending ten years following the installation. Mainline does not guarantee or in any way warrant the integrity or workmanship of the contractor/installer.



SUPPLY LINE WARRANTY

Subject to the conditions outlined herein, Mainline Co., hereafter referred to as “Mainline” warrants to owners of real property in the United States that its Mainline brass, copper, and stainless steel push-to-connect supply line connectors shall be free from defects in material and workmanship in water service and other approved materials for a period of five (5) years from the date of purchase of the products. Mainline makes no other warranties express or implied. This limitation explicitly excludes any implied warranty of merchantability or fitness for a particular purpose.

WARRANTY CONDITIONS

1- Proof of purchase is required to validate the Warranty Period. If proof of purchase is not available, the Warranty Period commencement shall default to the date of manufacture for each product. If the product suspected of a defect does not have a clear date of manufacture on it, a proof of purchase will be required.

2- All products must be installed in accordance with all then applicable codes, good plumbing practice, in accordance with any local, state, or federal requirements, and installed in a potable water or radiant heating application unless a non-potable water service is specifically allowed for in the pertinent product literature.

3- The installer must use construction techniques compliant with then applicable codes to install the product and use the product within the design parameters specified in any installation guidelines and technical notes for the applicable system. This shall include field pressure testing prior to concealing with concrete or by other means and wrapping any brass fitting when buried. Failure to install Mainline products according to manufacturer's installation instruction will void all applicable warranties and may result in severe water damage.

4- Products must at all times be used in a manner consistent with their intended use and be used in installations and environments acceptable to their material and design specifications, including not being installed in a system that may operate at temperatures or at pressures exceeding the approved ratings which can be found on the product, packaging or installation instructions.

5- Without limiting the foregoing, this Limited Warranty does not apply and you do not have a right of reimbursement if the product failure or resulting damage is caused by: (a) evidence of tampering, mishandling, neglect, abuse, accidental damage, freeze damage (it is expressly understood that failure as a result of any freezing fluids within the pipes does not constitute a defect in material or workmanship and shall not be covered by this warranty) or unauthorized modifications or repairs that cause damage to warranted products; (b) exposure to harmful, unauthorized, or unanticipated chemicals or substances or corrosive water conditions; (c) exposure to ultraviolet light; (d) faulty installation including failure to follow proper burial instructions; (e) damage from abnormal operating conditions including exposure pressures and temperatures beyond the specified operating range; (f) failure to properly test and pass common testing methods (including pressure testing) after the installation and before the product or system is put in service; (g) components not manufactured or sold by Mainline; or (h) acts of nature such as earthquakes, fire, flood or lightning.

6- Fittings must be installed on tubing, piping, or fittings that comply with applicable ASTM/CSA standards and that have been certified by a recognized third-party testing agency. Mainline will be responsible only for proven defects in material or workmanship in Mainline products. Problems in products manufactured by another company should be reported to that manufacturer.



In order to be eligible for service under this Limited Warranty you must return the defective product to Mainline for inspection and testing within thirty (30) days after detection of alleged failure or defect occurring within applicable Warranty Period (with shipping charges prepaid) to the original place of purchase. If the alleged defect involves a connection or joint with a Mainline product, the fitting must be returned with a section of the pipe still inserted. You must include the model number of the product (if available), the original date of purchase, proof of purchase and the nature of the alleged product failure or defect. Products returned without shipping charges prepaid will be refused. For questions or inquiries, in the U.S. call 1.877.238.4826.

If, after inspection, we find that a product covered by this Limited Warranty has failed due to a defect in material or workmanship during the specified Warranty Period, we will repair or replace, at our sole option, free of charge, the defective product during normal working hours and through a place of business as determined by Mainline. Notwithstanding anything to the contrary in this Limited Warranty, if Mainline determines that any damages to the real property in which a defective product was installed were the direct result of a leak or failure caused by a defect in material or workmanship in any Mainline product covered by this Limited Warranty and occurring within the first five years after date of purchase or during the applicable Warranty Period, whichever is shorter, and if reasonable steps were taken to promptly limit or stop the effects of such leak or failure as soon as it was discovered, then Mainline will reimburse the property owner for the reasonable costs of repairing or replacing such damaged real property to include flooring, drywall and painting and other real property damaged by the leak directly caused by the allegedly defective Mainline product when the Mainline product was installed by a licensed professional plumbing contractor. Except as specified above or otherwise specifically authorized in writing by Mainline, Mainline shall not pay for any costs or expenses for transportation, relocation, labor, repairs or any other work associated with removing and/or returning failed or defective products or installing replacement products.

Mainline shall not be responsible for any other incidental, indirect, contingent, special or consequential damages, including without limitation, economic loss, lost profits or the cost of repairing or replacing other property which is damaged if these warranted products do not work properly, other costs resulting from labor charges, delays, vandalism, negligence, fouling caused by foreign material, damage from adverse water conditions, adverse chemical environments, or any other circumstances over which Mainline has no control. This limitation applies even if Mainline could have foreseen or has been advised of the possibility of these damages. This Limited Warranty shall be invalidated by any abuse, misuse, misapplication or improper installation of the product. Any remaining warranty coverage may not be assigned or transferred after the period ending ten years following the installation. Mainline does not guarantee or in any way warrant the integrity or workmanship of the contractor/installer.



ELECTRICAL PUSH TO CONNECT WARRANTY

Subject to the conditions outlined herein, Mainline Co., hereafter referred to as “Mainline” warrants to owners of real property in the United States that its Mainline electrical push-to-connect conduit connectors shall be free from defects in material and workmanship in electrical service and when used with other approved materials for a period of five (5) years from the date of purchase of the products. Mainline makes no other warranties express or implied. This limitation explicitly excludes any implied warranty of merchantability or fitness for a particular purpose.

WARRANTY CONDITIONS

- 1-** Proof of purchase is required to validate the Warranty Period. If proof of purchase is not available, the Warranty Period commencement shall default to the date of manufacture for each product. If the product suspected of a defect does not have a clear date of manufacture on it, a proof of purchase will be required.
- 2-** All products must be installed in accordance with all then applicable codes, good electrical practice, in accordance with any local, state, or federal requirements, and installed with UL approved electrical conduit as allowed for in the pertinent product literature.
- 3-** The installer must use construction techniques compliant with then applicable codes to install the product and use the product within the design parameters specified in any installation guidelines and technical notes for the applicable system. Failure to install Mainline products according to manufacturer’s installation instruction will void all applicable warranties and may result in damage or injury.
- 4-** Products must at all times be used in a manner consistent with their intended use and be used in installations and environments acceptable to their material and design specifications, including not being installed in a system that may operate at voltages or currents exceeding the approved ratings which can be found in the applicable UL certifications.
- 5-** Without limiting the foregoing, this Limited Warranty does not apply and you do not have a right of reimbursement if the product failure or resulting damage is caused by: (a) evidence of tampering, mishandling, neglect, abuse, accidental damage, or unauthorized modifications or repairs that cause damage to warranted products; (b) exposure to harmful, unauthorized, or unanticipated chemicals or substances; (d) faulty installation; (e) damage from abnormal operating conditions; (f) failure to properly test and pass common testing methods after the installation and before the product or system is put in service; (g) components not manufactured or sold by Mainline; or (h) acts of nature such as earthquakes, fire, flood or lightning.
- 6-** Fittings must be installed on tubing, piping, or fittings that comply with applicable standards including UL, IP66, NEMA 3S, and NEMA 4x and that have been certified by a recognized third-party testing agency. Mainline will be responsible only for proven defects in material or workmanship in Mainline products. Problems in products manufactured by another company should be reported to that manufacturer.



In order to be eligible for service under this Limited Warranty you must return the defective product to Mainline for inspection and testing within thirty (30) days after detection of alleged failure or defect occurring within applicable Warranty Period (with shipping charges prepaid) to the original place of purchase. If the alleged defect involves a connection or joint with a Mainline product, the fitting must be returned with a section of the conduit or housing still inserted. You must include the model number of the product (if available), the original date of purchase, proof of purchase and the nature of the alleged product failure or defect. Products returned without shipping charges prepaid will be refused. For questions or inquiries, in the U.S. call 1.877.238.4826.

If, after inspection, we find that a product covered by this Limited Warranty has failed due to a defect in material or workmanship during the specified Warranty Period, we will repair or replace, at our sole option, free of charge, the defective product during normal working hours and through a place of business as determined by Mainline.

Notwithstanding anything to the contrary in this Limited Warranty, if Mainline determines that any damages to the real property in which a defective product was installed were the direct result of a failure caused by a defect in material or workmanship in any Mainline product covered by this Limited Warranty and occurring within the first five years after date of purchase or during the applicable Warranty Period, whichever is shorter, and if reasonable steps were taken to promptly limit or stop the effects of such failure as soon as it was discovered, then Mainline will reimburse the property owner for the reasonable costs of repairing or replacing such damaged real property to include flooring, drywall and painting and other real property damaged by the incident directly caused by the allegedly defective Mainline product when the Mainline product was installed by a licensed professional electrical contractor. Except as specified above or otherwise specifically authorized in writing by Mainline, Mainline shall not pay for any costs or expenses for transportation, relocation, labor, repairs or any other work associated with removing and/or returning failed or defective products or installing replacement products.

Mainline shall not be responsible for any other incidental, indirect, contingent, special or consequential damages, including without limitation, economic loss, lost profits or the cost of repairing or replacing other property which is damaged if these warranted products do not work properly, other costs resulting from labor charges, delays, vandalism, negligence, fouling caused by foreign material, damage from adverse chemical environments, or any other circumstances over which Mainline has no control. This limitation applies even if Mainline could have foreseen or has been advised of the possibility of these damages. This Limited Warranty shall be invalidated by any abuse, misuse, misapplication or improper installation of the product. Any remaining warranty coverage may not be assigned or transferred after the period ending five years following the installation. Mainline does not guarantee or in any way warrant the integrity or workmanship of the contractor/installer.



CONTRACTOR SPECIAL WARRANTY

Mainline Co. ("Supplier") is pleased to offer this special warranty to its authorized contractors. In order to qualify as an authorized contractor, you must:

- *Be a professional plumbing contractor in good standing, holding all registrations and licenses required by the state or states in which you operate; and*
- *Have completed any of Supplier's required training programs (if offered), be up to date on all supplemental training required by the Supplier with respect to its products (if offered), and hold a current certification from Supplier (if offered); and*
- *Not be in breach or violation of any agreements with Supplier, including without limitation, any payment obligations.*

Supplier warrants, solely to its authorized contractors with respect to their products (see below), that if any of Supplier's products fail in a manner that would be covered by Supplier's applicable published product warranties prior to the Warranty Termination Date (as defined below), in addition to Supplier's obligations under such published warranties, Supplier will reimburse its authorized contractors for all of their out-of-pocket expenses incurred in repairing any property damage proximately caused by the failure of Supplier's product.

In order to activate the contractor special warranty described above, an authorized contractor must have registered the products that it claims have failed by registering them at <https://share.hsforms.com/1ulS8VGDRSSm14o1sefw2eA5gc48> within 48 hours of their initial installation.

As used above, the term "Warranty Termination Date" means the earlier of: (1) the date the product warranty expires, (2) the seventh anniversary of installation of the product, or (3) the date that the structure in which the product is installed is sold or otherwise transferred.

The foregoing limited warranty is void with respect to, and does not cover any product that: (1) was installed by a person other than an authorized contractor, (2) was not supplied by Supplier or one of its authorized distributors, (3) was improperly installed, or (4) has become defective through accident, misuse, unreasonable use or abuse, negligence, casualty, acts of God or other acts normally considered as "force majeure".

Claims for breach of warranty must be made immediately upon discovery (and in all cases, within 30 days after the product failure) by completing and submitting Supplier's Professional Warranty Claim Form, and complying with all of Supplier's reasonable instructions. This may require submission of photographs and delivery of the product that is claimed to have failed. Supplier's determination, in its sole discretion, as to whether the above warranty is applicable to a particular alleged product failure shall be final and binding.



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CONDITIONS APPLYING TO ALL WARRANTIES

Mainline Co. does not warrant the design, assembly, or installation of the system using Mainline or any other brand, but only the components as stated in the applicable warranty. Mainline is not responsible for improper design, assembly or installation, or for any modifications of the Mainline products.

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Preferred by the pros.