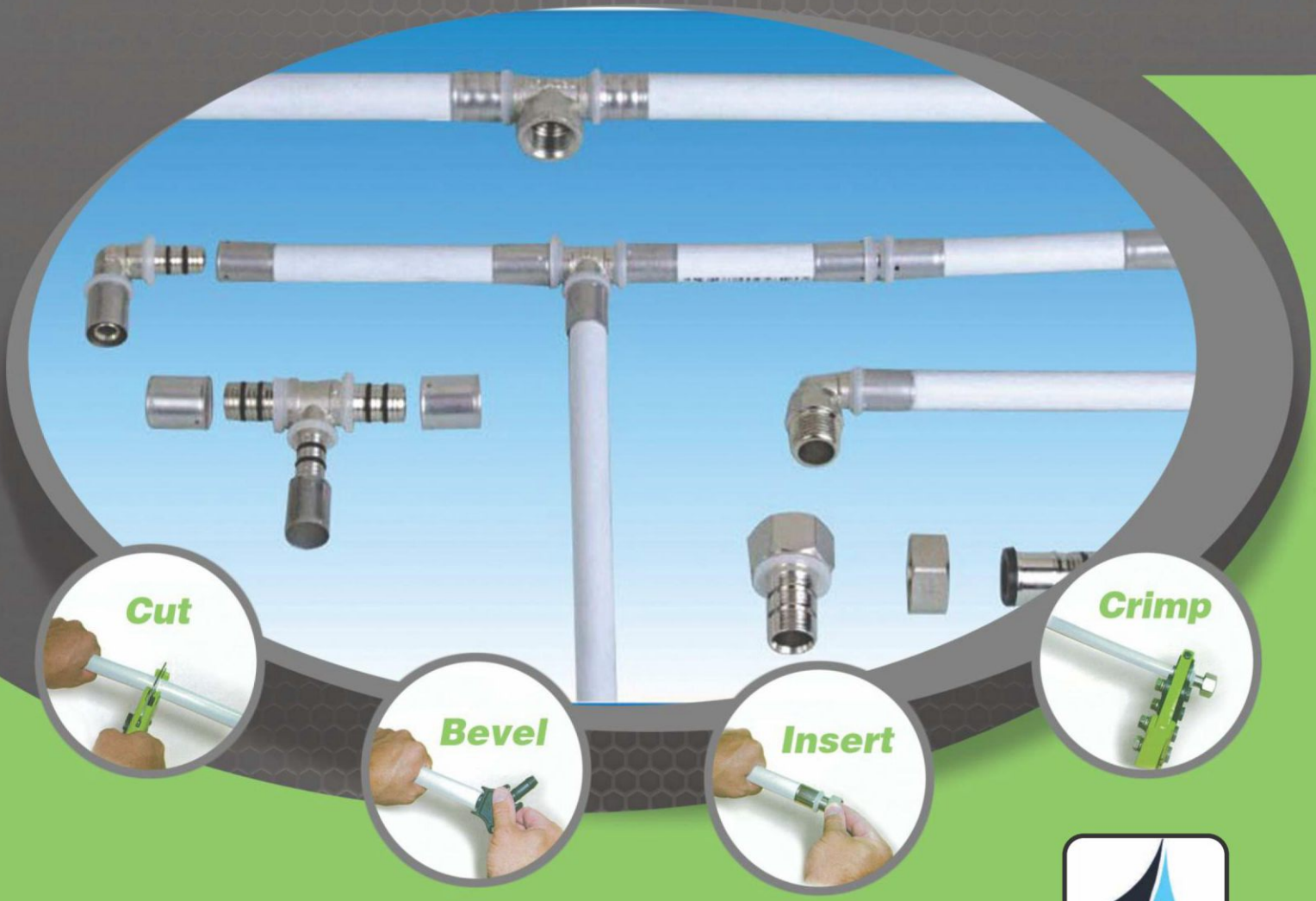
LINEA
PIPE INDUSTRIES

SUPPLIERS OF MULTILAYER PIPE TO THE CONSTRUCTION & PLUMBING INDUSTRIES

DS LTD

CATALOGUE



ENERGY SAVING COST EFFECTIVE PIPING SYSTEM THAT REPLACES COPPER INSTALLATIONS WITH NO THEFT VALUE

WATER SERVICES-SOLAR-HEAT PUMPS-CHILLED WATER UNDERFLOOR HEATING-COMPRESSED AIR LINES

JASWIC

SABS APPROVED

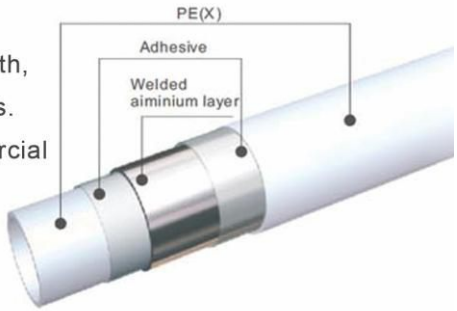
IOPSA

HEAD OFFICE: DURBAN
Tel: 031 563 1911 Fax: 031 563 1933 Cell: 082 453 2290 Email: admin@lineapipe.co.za
Web: www.lineapipe.co.za

PORT ELIZABETH
Kim Hadley: 074 552 3898
Barbara Morisse: 083 461 5574

THE BENEFITS OF MULTILAYER PIPE

APPLICATIONS



Combining the benefits of metal and plastic material, but avoiding the drawbacks of both, PEX/AL/PEX multilayer pipes are an ideal choice for potable water distribution systems. PEX/AL/PEX multilayer pipe and fittings are compatible with all residential and commercial applications, **including Water Services, Solar Panels & Geysers, Heat Pumps, Air-conditioning (Chilled Water), Under Floor Heating, domestic gas, and Compressed Air applications.**

This pipe is made up of a longitudinal butt welded aluminium layer that is surrounded on the inside and outside by layers of cross-linked polyethylene. The aluminium provides excellent resistance to **pressure and temperature**. The inner and outer PEX layers inhibit scaling and corrosion whilst the addition of aluminium gives the pipe its strength that makes it the **best alternative to copper.**

ENVIRONMENT

LINEA pipe systems are **air impermeable**, preventing contamination of the medium contained within its system, making it compliant with stringent food regulations. The choice of resin (PEX) is a key factor in the construction of our pipe enhancing its performance of **high pressures and temperatures.**

Worldwide there is a concern over the safety of drinking water. The decline in water quality has been attributed to **corrosion, and scale buildup of old pipe systems. Hygiene, no scale build-up, and zero-corrosion of PEX/AL/PEX multilayer pipes provide a clear advantage in water delivery systems.**

LINEA PEX/AL/PEX multilayer pipes systems are lightweight and easy to handle, and have coil lengths of up to 200m to allow longer runs, less connections reducing potential leak points. It's fast and easy to join in four simple steps (**Cut, Bevel, Insert and Crimp**). Any bend of any angle can be made effortlessly by tool or hand for easy installation.

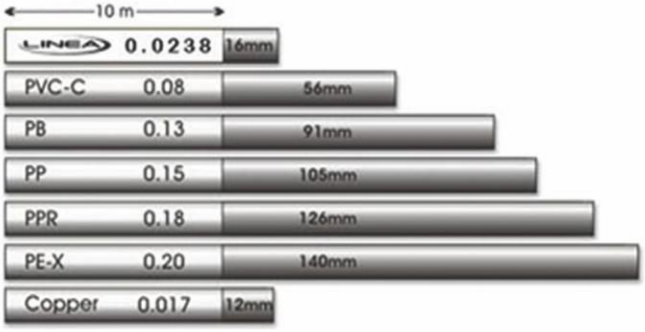
SUMMATION OF ADVANTAGES

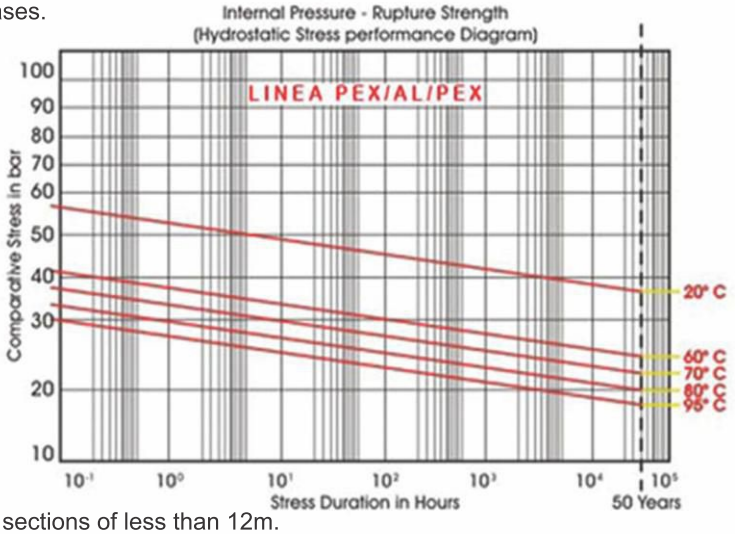
- PEX/AL/PEX multilayer pipes have been designed to offer the end user the advantages of both metallic and polymer piping systems
- Price competitive
- Quick and easy to install
- No theft value
- 3 Times the life of metal pipes – no corrosion
- Guaranteed leak free joints
- Safe to use – no sharp edges, no naked flames, or gas required
- Hygienic non toxic – no micro organism growth
- 30% better flow rate than metal pipes
- Expansion rate, same as metal pipes
- Easy to handle – 200 metres of pipe weighs 24kgs
- 50-80 years working life
- Guaranteed for 20 years

EXAMPLE OF INCREASE IN LENGTH OF A 10M LENGTH OF PIPE WITH A 70 C TEMPERATURE RISE

Physics principle: All materials expand as temperature increases. if temperature falls, the material contracts

Comparison to other pipe materials expansion coefficients





RULE OF THUMB

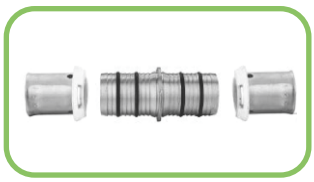
Cold water:
* No particular measures are necessary

Hot water:
*No particular measures are necessary for straight LINEA pipe sections of less than 12m.
*An anchor point is necessary for straight LINEA pipe sections of more than 12m.



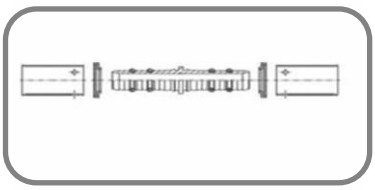
SPECIFICATION	PACKAGING SPECIFICATIONS (M)
1216	200
1620	200
2025	100
2632	50

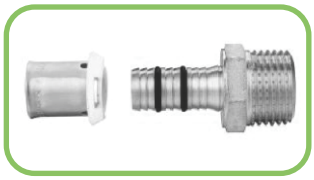




Equal Straight - Specifications

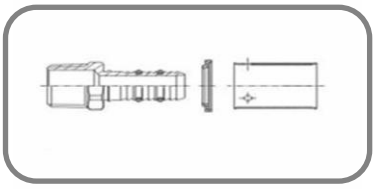
S1216 X 1216	S2632 X 2632
S1620 X 1620	
S2025 X 2025	

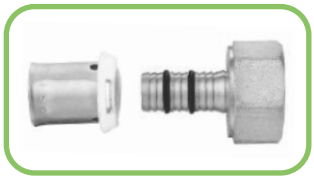




Male Straight - Specifications

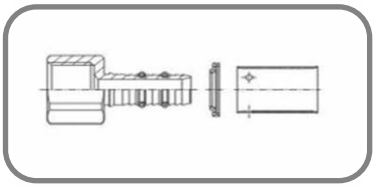
S1216 X 1/2	S1620 X 3/4	S2632 X 1
S1216 X 3/4	S2025 X 1/2	S2632 X 3/4
S1620 X 1/2	S2025 X 3/4	





Female Straight - Specifications

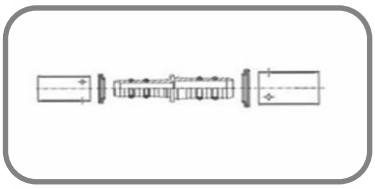
S1216 X 1/2F	S1620 X 3/4F	S2632 X 1F
S1216 X 3/4F	S2025 X 1/2F	S2632 X 3/4F
S1620 X 1/2F	S2025 X 3/4F	

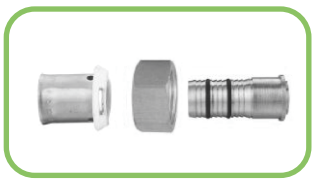




Reducing Straight - Specifications

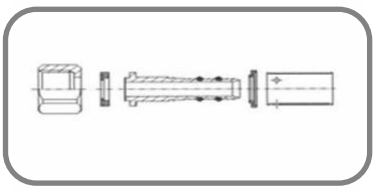
S1620 X 1216	S2632 X 1216	
S2025 X 1216	S2632 X 1620	
S2025 X 1620	S2632 X 2025	





Demountable Straight - Specifications

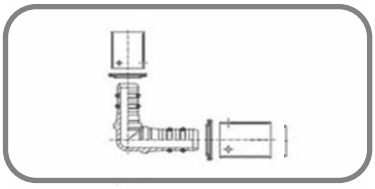
S1216 X 1/2 F(H)	S2632 X 1 F(H)	
S1620 X 3/4 F(H)		
S2025 X 3/4 F(H)		





Equal Elbow - Specifications

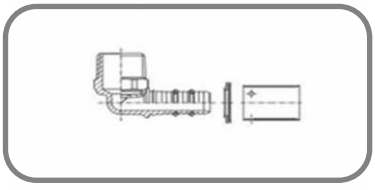
L1216 X 1216	L2632 X 2632	
L1620 X 1620		
L2025 X 2025		

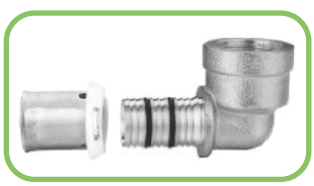




Male Elbow - Specifications

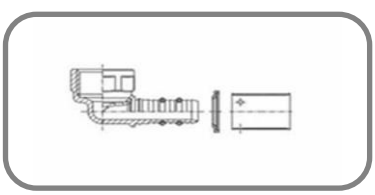
L1216 X 1/2	L1620 X 3/4	L2632 X 1
L1216 X 3/4	L2025 X 1/2	
L1620 X 1/2	L2025 X 3/4	

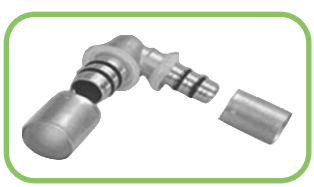




Female Elbow - Specifications

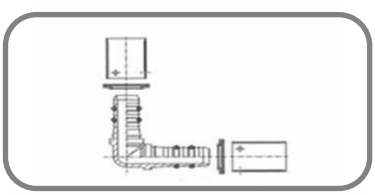
L1216 X 1/2F	L1620 X 3/4F	L2632 X 1F
L1216 X 3/4F	L2025 X 1/2F	
L1620 X 1/2F	L2025 X 3/4F	





Reducing Elbow - Specifications

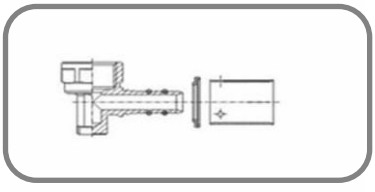
L1620 X 1216	L2632 X 1620	
L2025 X 1216		
L2025 X 1620		





Wall Plated Elbow - Specifications

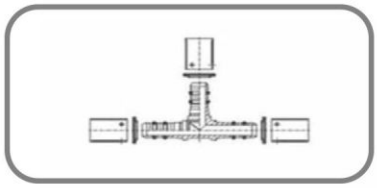
L1216 X 1/2 F(Z)	L2025 X 3/4 F(Z)	
L1620 X 1/2 F(Z)		
L1620 X 3/4 F(Z)		





Equal Tee - Specifications

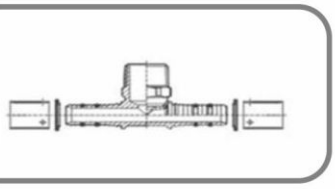
T1216 X 1216 X 1216	T2632 X 2632 X 2632
T1620 X 1620 X 1620	
T2025 X 2025 X 2025	





Male Tee - Specifications

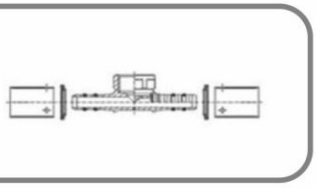
T1216 X 1/2 X 1216
T1620 X 1/2 X 1620





Female Tee - Specifications

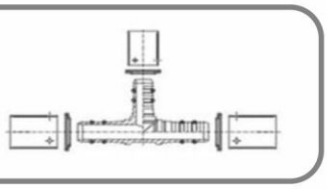
T1216 x 1/2F X 1216	T2025 X 3/4F X 2025	
T1620 X 1/2F X 1620	T2632 X 3/4F X 2632	
T2025 X 1/2F X 2025	T2632 X 1F X 2632	





Unequal Tee - Specifications

T1620 X 1216 X 1620	T2025 X 1620 X 2025	T2632 X 1620 X 2632
T1620 X 2025 X 1620	T2025 X 2632 X 2025	T2632 X 2025 X 2632
T2025 X 1216 X 2025	T2632 X 1216 X 2632	





Compression Adaptor - Specifications

S1216 X 15CU2
S1620 X 22CU2
S2025 X 22CU2



Compression Elbow - Specifications

L1216*15CU2



Multi-Welded Straight - Specifications

S1216 X 1/2CUF
S1620 X 3/4CUF
S2025 X 3/4CUF



Butterfly Ball Valve - Specifications

V1216 X 1216
V1620 X 1620
V2025 X 2025

LINEA PIPING SYSTEM FEATURES

Cost Effective

Easy And Quick Installation

Hot And Cold Water

Withstands High Pressure

No Corrosion

High Form Stability

No Theft Value

Wide Range of Sizes

80 Year Life Span



Tempering Valve

TMV-15

Thermostatic mixing valve for restricting water temperature to 55°C.

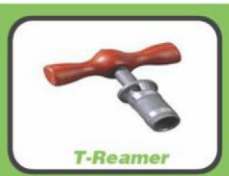
This Universal Valve can be installed in both **High pressure geysers** (20L per min) and **Low pressure geysers** (10L per min)

Tempering valves are designed to prevent scalding from excessively hot water whilst permitting water to be stored at a temperature above 60 C which minimises the risk of legionella multiplication.

A maximum set temperature of 55 C has been chosen based upon the fact that it only takes one second exposure to hot water at 70 C to cause a full thickness skin burn on the average adult, 5 seconds at 60 C and 30 seconds at 55 C


Pressing Clamp


Reamer


T-Reamer


Pipe Cutter