CAPITAL MAHARAJA

S-Leon

Water for Life

Content Page

About us

Laying Foundation in Sri Lanka...

Generations ago, manufacturing and installing Sri Lanka's first thermoplastic pipes and fittings, generated a high significance towards S-lon Lanka (Pvt) Limited, which demonstrates the present market dominance of S-lon in an innovation and technology driven era. The Brand establishment in 1957 generated through high quality and reliability, captured the consumer's trust and built customer loyalty leading to future generations.

Leaders then, and now...

The extensive trust and support provided by the Architects, Engineers, Plumbers, Contractors and Home–Builders led to our dominance for six decades in the industry which was due to the high quality and reliability extended by us.

Fittingly, connected to the best...

World renowned Manufacturer M/S George Ag, Switzerland, provided us an exclusive distributorship of their highly specialized and purpose driven products which generated a leading edge for us in the potable water piping system industry. State of the art technological processes obtained by S-lon for the manufacturing of comprehensive pipes and fittings, provided the necessary competitive edge required for the future of the construction industry.

Great projects, higher projections...

S-lon at the helm of market expansion have been at the forefront in introducing innovative products and forming and maintaining revolutionary standards that engineered the most effective and efficient thermoplastic pipes and fittings for water, electricity and telecommunication throughout Sri Lanka. Catering to Sri Lanka's vibrant industrial sector, our operations range from vast turnkey operations to projects that demand the services of a comprehensive thermoplastic supplying partner. Through decades of achieving highly successful projects, S-lon has generated sustainable relationships with a multitude of Global Constructors such as Ericson, Sumitomo, Nokia, NKF, Daime and Sri Lanka Telecom. Established as a renowned household Brand in the domestic market, S-lon was and is the unanimous choice amongst most house builders that seek for high quality, reliable and economical thermoplastic pipes and fittings.

About us

Quality driven by technology...

On par with the technological evolution, S-lon strives to achieve premium standards in quality. The adaptation of total quality management systems ensured that all S-lon products are manufactured to precision and high quality that exceeds customer expectations. In recognition of maintaining high quality standards, S-lon was awarded the SLS and ISO Standards Certifications.

S-lon offers its customers modern water management solutions such as potable water systems, waste, vent, sewer, rainwater, drainage, irrigation systems and telecom / electrical conduits. We manufacture products that demand for an uncompromising quality and extensive range to fulfill the needs of the construction industry.

S-lon has been the manufacturer of thermoplastic pipes and fittings since 1957, whilst being the market leader in supplying potable pipes and fittings to the domestic market. S-lon obtained its distinctive honour in providing water management solutions to key water supply projects undertaken in Sri Lanka. S-lon is a major contributor to the development of the telecommunication sector, with its supply of telecom conduits to telecom companies in Sri Lanka.

Presently, S-lon proposes to diversify into the construction industry where Research and Development is conducted for significant products that encompass high demand. The company also manufactures HDPE pipes and fittings for water supply projects and the telecom industry.

Our Brand Promise

Water for Life

As the pioneer and market leader in facilitating the Nation's need for water uninterruptedly for over 59 years, our 'Brand Promise' is to continue helping the Nation to get this nature's precious gift to their doorstep. In the process we wish to provide the Nation with a complete and comprehensive range of products and accessories, manufactured using tomorrow's technology, ensuring the durability and long life of all our products whilst reinforcing our trust amongst our loyal customers and our commitment to preserve water by preserving nature and the environment.

'Water for life' is therefore the essence of our brand – it is our pledge to you.

Our Products and Brands

- uPVC Pipes and Fittings
- Rain Water Disposal Systems
- Plastic Taps and Fittings
- Solvent Cement
- Sewerage Pipes

- Garden Hose & Tools

- CPVC Pipes & Fittings

- Fences & Accessories

- Domestic Water Pumps
- Agro Water Pumps

- Chrome Plated Faucets

- Electrical Conduits, Fittings, Trunking & Capping

- Electrical Conduits & Fittings

- Polybutylene Push-fit Plumbing System

- HDPE Pipes & Fittings

Certifications

With the ISO System Certification we are, "committed to you, committed to quality".

ISO 9001 : 2008 / SLS ISO 9001 : 2008

147 659 993 935 1148 1286 1325 1498 1499

Tips for Correct Buying

Think about the brand which has

a. Longer life span

b. Complete product range

c. Islandwide availability

d. Unmatched customer care service

Select recommended products for your requirement

a. For drinking water - SLS 147 / WRAS certified S-lon Pipes

b. For joining pipes - SLS 659 certified S-lon Fittings

Hire a professional to plan your piping system to ensure trouble free operation.

Always insist on "S-lon" branded products for high quality and durability.

Selecting S-lon ensures

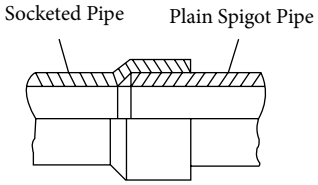
a. The products are certified to SLS 147, SLS 659, SLS 935, SLS 1286 and SLS 1325

b. The company's Quality Management System is certified according to ISO 9001 : 2015 requirements

c. WRAS UK certification demonstrates that the raw material used does not itself contaminate the water

Assembling Types and Instructions

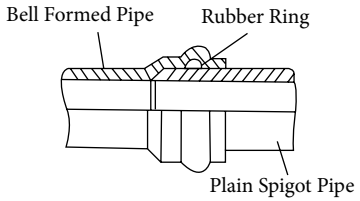
a. Solvent Cement Joint



Nominal Diameters (mm)										
40	50	63	75	90	110	160	225	315	355	400

- Mark the socket length on the pipe
- Clean both surfaces
- Apply Solvent cement inside socket and then to the spigot
- Whilst pushing, quarter turn until the mark length

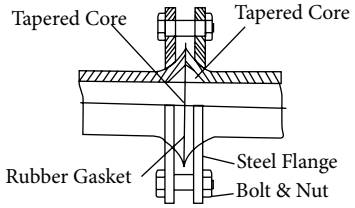
b. Rubber Ring Joint



Nominal Diameters (mm)										
63	72	90	110	160	225	160	225	280	315	355

- Clean both surfaces which are to be joined and the rubber ring.
- Place the rubber ring correctly, apply lubricant on spigot end, rubber ring and insert at bell end.
- Ready for use as soon as the joint is completed. Rubber ring is easy to install but it cannot end loaded.

c. Tapered Core And Flanged Joint

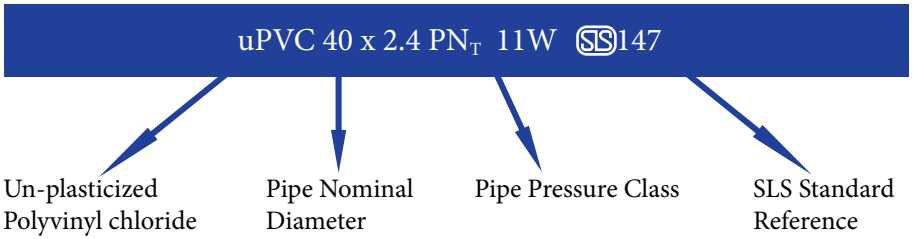


Nominal Diameters (mm)										
40	50	63	75	90	110	160	225	280	315	355

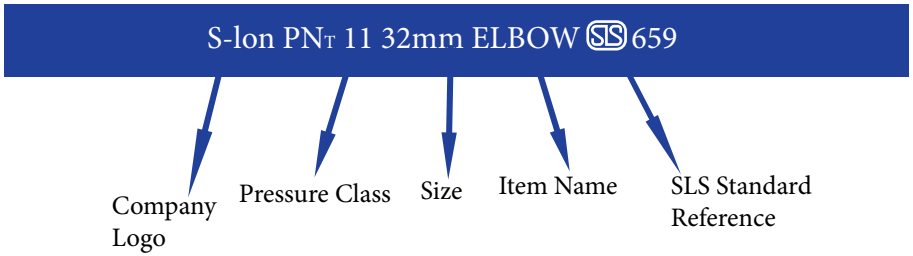
- Clean both surfaces which are to be joined and the rubber gasket. Place the gasket correctly and tighten the bolts and nuts diagonally.
- Tapered flanged joints are used to join flanged fitting or non PVC pipe and can be end loaded.

Marking on Pipes and Fittings

a. Marking on Pipes



b. Marking on Fittings



S-lon uPVC Pipes Pressure Pipes & Fittings

INTRODUCTION

PVC pressure pipes are manufactured from unplasticized polyvinyl chloride polymer (a thermoplastic material) using the extrusion process. PVC (also known as uPVC and PVC-U) pipes were introduced to Sri Lanka in the late 1950s by S-lon and are now widely accepted for use in water supply, irrigation and sewerage rising mains.

The good flow characteristics are the result of the smooth bore and good a resistance to abrasion. It is light in weight, easy to join together, making uPVC a good alternative to the more traditional materials. Their high strength to weight ratio together with exceptional resistance to corrosion or chemical attack makes these pipes ideal for major infrastructure applications.

MATERIALS

S-lon uPVC is stabilized with compounds conforming to the International safety levels (Non Lead) for vinyl chloride monomer (VCM) and the WRAS requirements for use with potable water.

COLOUR

uPVC products are recognized by their light grey colour.

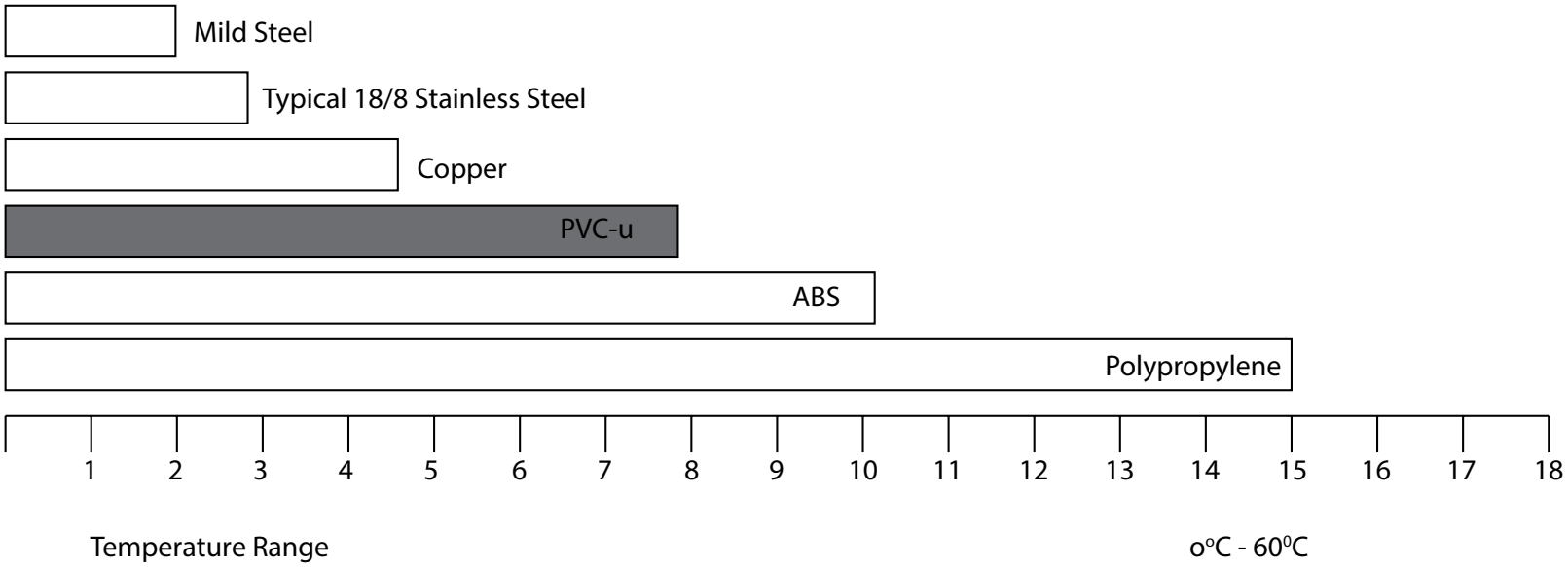
CHEMICAL RESISTANCE

The chemical resistance properties of uPVC is excellent: it is resistant to most solutions of acids, alkalis and salts and to solvents that can be mixed with water. uPVC is not resistant to aromatic and chlorinated hydrocarbons.

S-Ion uPVC Pipes Pressure Pipes & Fittings

Thermal Expansion

The thermal coefficient of linear expansion for uPVC is 7.8 x 10-5m/m.°C
It is necessary in certain situations to make special provision for this expansion and contraction.
Thermal expansion of uPVC is compared with other materials, in the following chart.



S-lon uPVC Pipes Pressure Pipes & Fittings

STANDARDS
Individual products are in compliance with appropriate Standards:

Pipe (mm size)	SLS 147:2013 , BS EN ISO 1452-2:2009
Fittings (mm size)	SLS 659:2015 , BS EN ISO 1452-3:2009
Sealing Rings	BS EN 681-1
Bends	SLS 659:2015 , BS EN ISO 1452-3:2009

QUALITY MANAGEMENT SYSTEM
Pipes, fittings and other accessories are manufactured in an environment, which operates a Quality Assurance System assessed to ISO 9001.

DRINKING WATER/ APPROVAL TO USE IN CONTACT
In any situation which could result in the PVC-U pipes, fittings and solvent cement coming into contact with water which is intended for human consumption. This shall be in accordance with the requirements of BS 6920 Part 1.

WRAS-UK (Water Regulations Advisory Scheme) certified that S-lon uPVC pressure pipes are suitable for use in contact with water intended for human consumption with regards to their effect on the quality of the water.

S-lon uPVC pipes are listed in the WRAS website under 'Product and Material' category.

S-lon uPVC Pipes Pressure Pipes & Fittings

WHY PVC FOR PRESSURE APPLICATIONS?
S-lon PVC pressure pipe systems offer many advantages when compared to traditional products, namely:

- Enhanced hydraulic performance.
- Durability and toughness – resistance to handling and installation damage.
- Corrosion resistance – greater service life.
- Lower mass – ease of handling and installation, particularly suited to labour intensive projects.
- Locked-in sealing ring system – no specialist installation skills required.
- Savings on installation time.
- Manufactured within internationally accepted standards.
- Service performance in excess of 50 years.
- Highly recyclable - Waste generated during manufacturing is pulverized and reprocessed.
- Unique combination of properties:
    - Toughness
    - Stiffness
    - High tensile and hoop strength
    - Excellent resistance to creep
- Savings on transport cost.
- Energy efficient - PVC pipe production consumes less energy during manufacturing than steel, clay or ductile iron.

S-lon uPVC Pipes Pressure Pipes & Fittings

SLS 147:2013

SPECIFICATION FOR UNPLASTICIZED POLYVINYL CHLORIDE PIPES FOR WATER SUPPLY THROUGH BURIED AND ABOVE GROUND DRAINAGE AND SEWERAGE UNDER PRESSURE (Third Revision)

DIAMETER

PVC pressure pipes are specified by their nominal size (i.e. outside diameter) in millimeters. For design purposes, reference should be made to tables detailing the internal diameters as calculated from the average wall thicknesses of the particular pressure class of pipe.

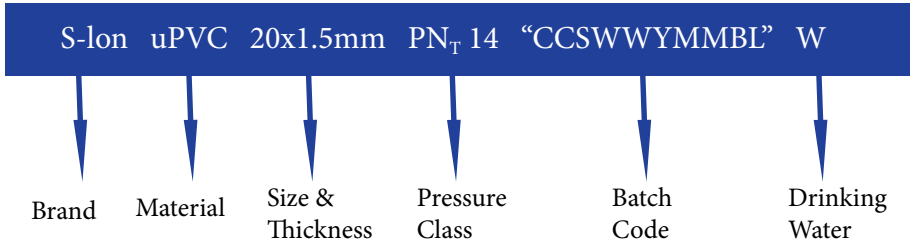
PRESSURE CLASS

A range of pressure "classes" is available in each size. These classes are based on the pipe's recommended maximum working pressure in bar. For example, a class PN_T 14 pipe has a recommended maximum working pressure of 14 bar, or 14 metres head at a temperature of 30°C.

S-lon unplasticized PVC (PVC-U) pressure pipe is a tried and tested system demonstrating a long track record in the water reticulation sector. S-lon pressure pipes are manufactured to the SLS 147 specification, incorporating the traditional design stresses of 10 and 12.5 MPa. The product is ideally suited to applications in both pumping and gravity designs.

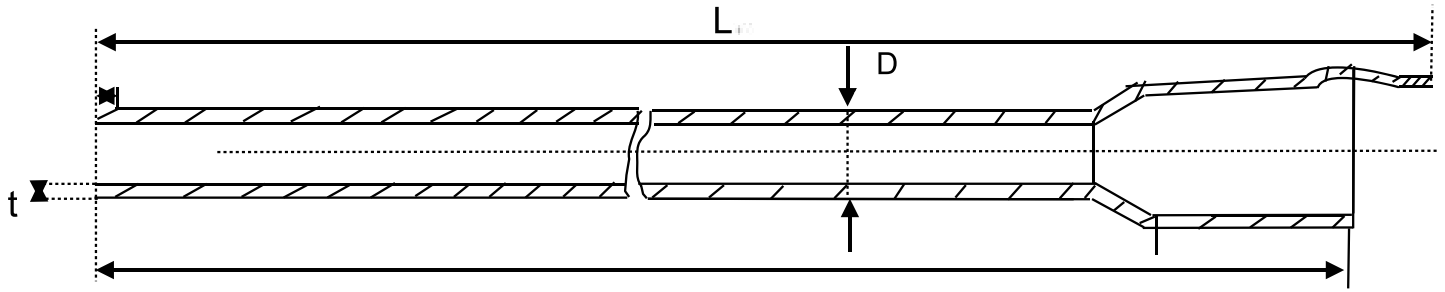
MARKING

Eg: S-lon 20 mm PN_T 14 uPVC pipe



Dimensions of S-lon uPVC Pipes

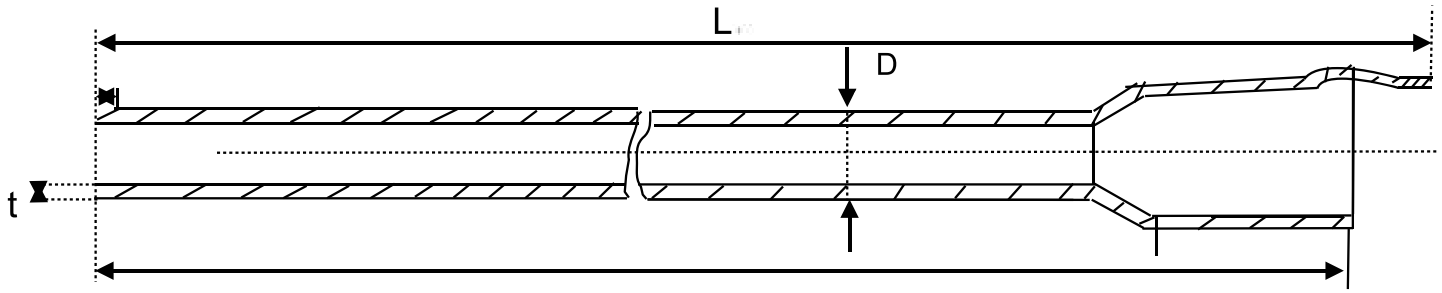
uPVC Pipes for human consumption and for general purposes as well as sewerage under pressure. SLS 147: 2013



Nominal Diameter (*dn*)	Mean Outer Diameter *d em*		Wall Thickness (t)										Length (L)
			S-12.5		S-10		S-8		S-6.3		S-5		
			SDR 26		SDR 21		SDR 17		SDR 13.6		SDR 11		
			PN_T 7		PN_T 9		PN_T 11		PN_T 14		PN_T 18		
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	
20	20.0	20.2	-	-	-	-	-	-	1.5	1.9	1.9	2.3	4000
25	25.0	25.2	-	-	-	-	1.5	1.9	1.9	2.3	2.3	2.8	4000
32	32.0	32.2	1.5	1.9	1.6	2.0	1.9	2.3	2.4	2.9	2.9	3.4	4000
40	40.0	40.2	1.6	2.0	1.9	2.3	2.4	2.9	3.0	3.5	3.7	4.3	4000
50	50.0	50.2	2.0	2.4	2.4	2.9	3.0	3.5	3.7	4.3	4.6	5.3	4000
63	63.0	63.3	2.5	3.0	3.0	3.5	3.8	4.4	4.7	5.4	5.8	6.6	4000
75	75.0	75.3	2.9	3.4	3.6	4.2	4.5	5.2	5.6	6.4	6.8	7.7	4000
90	90.0	90.3	3.5	4.1	4.3	5.0	5.4	6.2	6.7	7.6	8.2	9.3	4000

Dimensions of S-lon uPVC Pipes

uPVC Pipes for human consumption and for general purposes as well as sewerage under pressure. SLS 147: 2013



Nominal Diameter (*dn*)	Mean Outer Diameter *d em*		Wall Thickness (t)										Length (L)
			S-16		S-12.5		S-10		S-8		S-6.3		
			SDR 33		SDR 26		SDR 21		SDR 17		SDR 13.6		
			PN_T 7		PN_T 9		PN_T 11		PN_T 14		PN_T 18		
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	
110	110.0	110.4	3.4	4.0	4.2	4.9	5.3	6.1	6.6	7.5	8.1	9.2	6000
140	140.0	140.5	4.3	5.0	5.4	6.2	6.7	7.6	8.3	9.4	10.3	11.6	6000
160	160.0	160.5	4.9	5.6	6.2	7.1	7.7	8.7	9.5	10.7	11.8	13.2	6000
225	225.0	225.7	6.9	7.8	8.6	9.7	10.8	12.1	13.4	15.0	16.6	18.5	6000
280	280.0	280.9	8.6	9.7	10.7	12.0	13.4	15.0	16.6	18.5	20.6	22.9	6000
315	315.0	316.0	9.7	10.9	12.1	13.6	15.0	16.8	18.7	20.8	23.2	25.8	6000
355	355.0	356.1	10.9	12.2	13.6	15.2	16.9	18.8	21.1	23.5	26.1	29.0	6000

PN_T - Nominal Pressure for temperature at 30°C

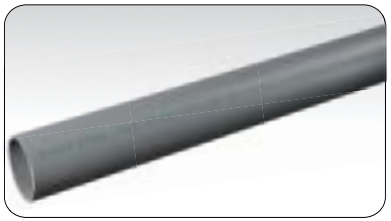
Note :The preferred nominal length would be 4m or 6m which does not include the depth of socket.

S-lon uPVC Pipes For Potable Cold Water Supply

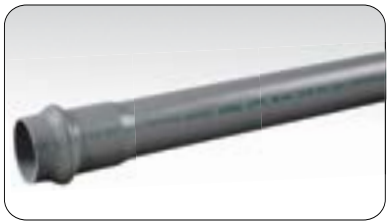
Available Diameters, Pressure Classes & Types

Nominal Diameter	PNT 7			PNT 9			PNT 11			PNT 14			PNT 18			Standard Length+/-
20											●	●				4m
25								●	●							4m
32		●	●		●	●		●	●							4m
40		●	●		●	●		●	●							4m
50		●	●		●	●		●	●							4m
63		●	●	●	●	●	●	●	●	●						4m
75		●	●	●	●	●	●	●	●	●						4m
90		●	●	●	●	●	●	●	●	●						6m
110		●	●	●	●	●	●	●	●	●						6m
140		●	●	●	●	●	●	●	●	●						6m
160		●	●	●	●	●	●	●	●	●						6m
225		●	●	●	●	●	●	●	●	●						6m
280		●	●	●	●	●	●	●	●	●						6m
315		●	●	●	●	●	●	●	●	●						6m
355																6m

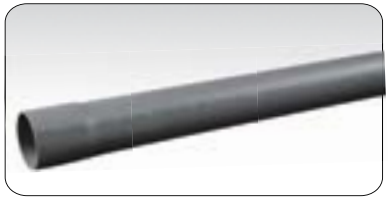
● Plain Ended Pipes



● One End Socketed for Rubber Ring Joint



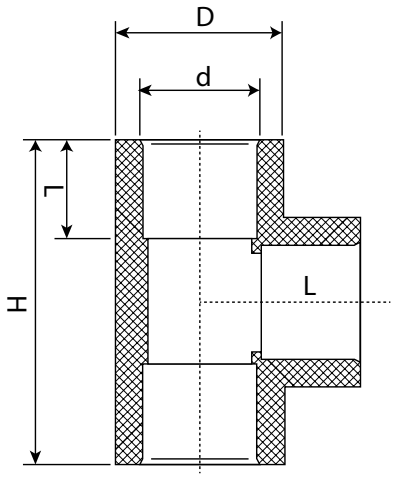
● One End Socketed for Solvent Cement Joint



S-Ion uPVC Pressure Fittings Technical Details

Unplasticized Polyvinyl Chloride Pipe Joints And Fittings For Potable Cold Water Supplies. SLS 659:2015

Equal Tee 90^0 - Plain SS



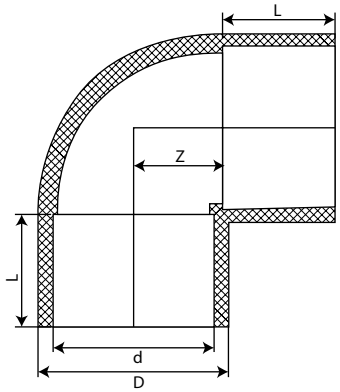
Size	L	Z	D	H	Weight	Pack Size
d *	mm	mm	mm	mm	g	nos
20	16	11	28	54	27	50
25	19	14	34	65	37	50
32	22	17	42	78	59	25
40	26	21	51	94	90	10
50	31	26	61	114	140	100
63	38	33	75	141	274	75
75	44	39	89	165	490	01
90	51	46	106	194	720	02
110	61	56	129	234	1180	01
140	76	71	163	294	2940	01
160	86	81	186	334	4954	01
225	119	114	258	466	9800	01

*PN_T 11 and PN_T 14 for 20 mm SS – Solvent Socket

S-lon uPVC Pressure Fittings Technical Details

Unplasticized Polyvinyl Chloride Pipe Joints And Fittings For Potable Cold Water Supplies. SLS 659:2015

Elbow 90^0 - Plain SS



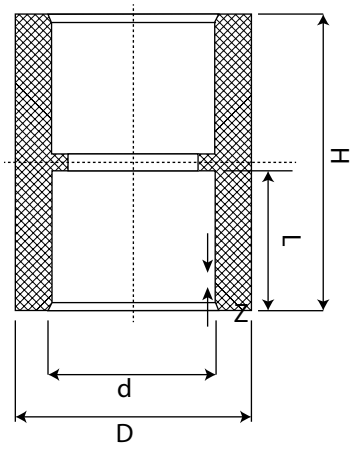
Size	L	Z	D	Weight	Pack Size
d *	mm	mm	mm	g	nos
20	16	11	28	19	50
25	19	14	34	30	50
32	22	17	39	45	25
40	26	21	51	68	200
50	31	26	59	110	100
63	38	33	75	226	75
75	44	39	89	335	01
90	51	46	106	528	02
110	61	56	129	916	01
140	76	71	163	1360	01
160	86	81	186	3322	01
225	119	114	258	6950	01

*PN_T 11 and PN_T 14 for 20 mm SS – Solvent Socket

S-Ion uPVC Pressure Fittings Technical Details

Unplasticized Polyvinyl Chloride Pipe Joints And Fittings For Potable Cold Water Supplies. SLS 659:2015

Socket - Plain SS



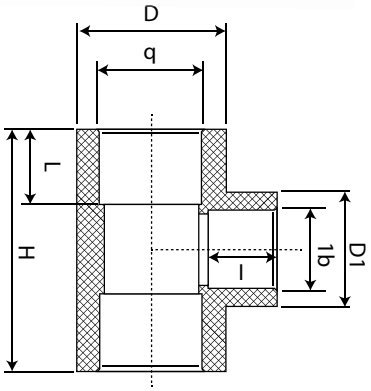
Size	L	Z	D	H	Weight	Pack Size
d *	mm	mm	mm	mm	g	nos
20	16	3	27	38	12	50
25	19	3	32	43	18	50
32	22	3	39	49	26	50
40	26	3	47	60	40	10
50	31	3	57	70	55	200
63	38	3	72	83	105	100

*PN_T 11 and PN_T 14 for 20 mm SS – Solvent Socket

S-lon uPVC Pressure Fittings Technical Details

Unplasticized Polyvinyl Chloride Pipe Joints And Fittings For Potable Cold Water Supplies. SLS 659:2015

Reducing Tee- Plain SS



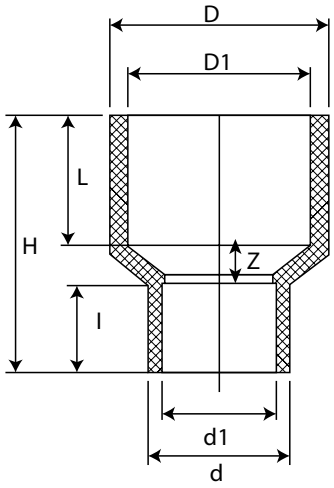
Size	L	l	Z	D	d	H	Weight	Pack Size
D_1 X d_1*	mm	mm	mm	mm	mm	mm	g	nos
25x20	19	16	14	31	26	52	37	50
32x20	22	16	17	38	26	82	53	25
32X25	22	19	17	38	31	82	56	25
40X20	26	16	21	47	27	100	87	10
40x25	26	19	21	47	32	100	92	10
40x32	26	22	21	47	39	100	92	10
50x20	31	16	26	57	27	120	130	10
50x25	31	19	26	57	27	120	130	10
50x32	31	22	26	57	39	120	139	10
50x40	31	26	26	57	47	120	139	10
63x20	38	16	33	72	27	146	255	05
63x25	38	19	33	72	32	146	255	05
63x32	38	22	33	72	39	146	260	05
63x40	38	26	33	72	47	146	260	05
63x50	38	31	33	72	57	146	261	05
90x40	51	26	47	46	49	196	629	02
90x50	51	31	47	46	60	196	659	02
90x63	51	38	47	46	74	196	651	02
90x75	51	44	47	46	87	196	626	02
110x50	61	31	57	56	60	236	1050	01
110x63	61	38	57	56	74	236	1053	01
110x75	61	44	57	56	87	236	1080	01
110x90	61	51	57	56	104	236	1105	01

*PN_T 11 and PN_T 14 for 20 mm SS – Solvent Socket

S-lon uPVC Pressure Fittings Technical Details

Unplasticized Polyvinyl Chloride Pipe Joints And Fittings For Potable Cold Water Supplies. SLS 659:2015

Reducing Socket - Plain SS



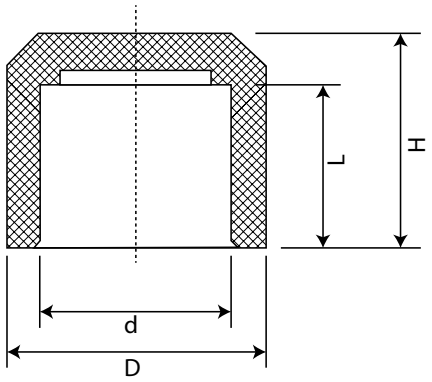
Size	L	l	Z	D	d	H	Weight	Pack Size
D_1 X d_1*	mm	mm	mm	mm	mm	mm	g	nos
25x20	19	16	6	31	26	42	17	50
32x20	22	16	8	38	26	46	22	50
32x25	22	19	8	38	31	49	24	50
40x20	26	16	10	46	26	52	32	10
40x25	26	19	10	46	31	55	34	10
40x32	26	22	10	46	38	58	38	10
50x20	31	16	15	56	26	57	44	10
50x25	31	19	15	56	31	65	46	10
50x32	31	22	15	56	38	68	51	10
50x40	31	26	15	56	46	72	58	10
63x20	38	16	20	72	26	74	87	10
63x25	38	19	20	72	39	146	260	05
63x32	38	22	17	72	38	77	95	10
63x40	38	26	17	72	46	81	98	10
63x50	38	31	17	72	56	86	106	10
90x40	51	26	25	103	46	102	237	02
90x50	51	31	23	103	56	105	246	02
90x63	51	38	23	103	71	112	265	02
90x75	51	44	23	103	86	118	299	02
110x50	61	31	30	126	56	122	403	02
110x63	61	38	27	126	72	126	415	02
110x75	61	44	27	126	86	132	447	02
110x90	61	51	27	126	103	139	508	02

*PN_T 11 and PN_T 14 for 20 mm SS – Solvent Socket

S-Ion uPVC Pressure Fittings Technical Details

Unplasticized Polyvinyl Chloride Pipe Joints And Fittings For Potable Cold Water Supplies. SLS 659:2015

Cap - Plain SS



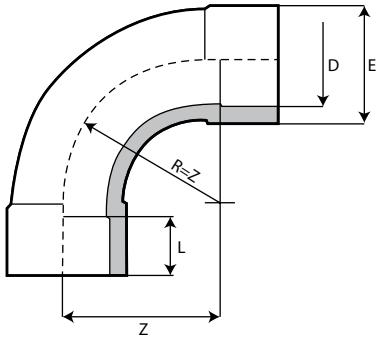
Size	L	H	D	Weight	Pack Size
d *	mm	mm	mm	g	nos
20	16	19	26	9	100
25	19	22	31	12	100
32	22	25	38	17	50
40	26	16	21	47	27
50	31	34	56	36	10
63	38	43	72	72	10
75	44	50	86	173	01
90	51	57	103	241	02
110	61	68	125	385	02

*PN_T 11 and PN_T 14 for 20 mm SS – Solvent Socket

S-lon uPVC Pressure Fittings Technical Details

Unplasticized Polyvinyl Chloride Pipe Joints And Fittings For Potable Cold Water Supplies. SLS 659:2015

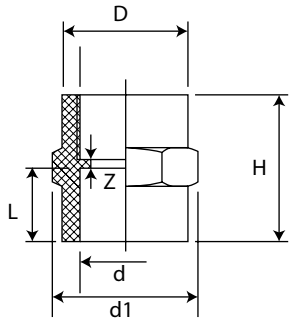
Bend 90^0 – Plain SS (Injection moulded)



Size	L	Z/R	E	Weight	Pack Size
D *	mm	mm	mm	g	nos
32	22	64	38	67	200

*PN_T 11 and PN_T 14 for 20 mm SS – Solvent Socket

Faucet Socket – Threaded/SS



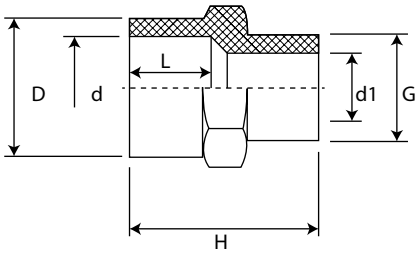
Size	L	Z	D	d1	H	Weight	Pack Size
d*	mm	mm	mm	mm	mm	g	nos
20	16	3	21	31	32	15	50
25	19	3	26	35	36	20	50
32	22	3	33	45	42	31	50
40	26	3	41	55	48	43	10
50	31	3	51	65	53	66	01
63	38	3	72	82	64	106	10
75	44	4	84	95	75	219	200
90	51	5	100	104	86	302	02
110	61	6	124	138	103	448	02

*PN_T 11 and PN_T 14 for 20 mm SS – Solvent Socket
Threads as per ISO 7-1

S-Ion uPVC Pressure Fittings Technical Details

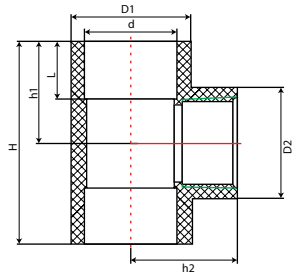
Unplasticized Polyvinyl Chloride Pipe Joints And Fittings For Potable Cold Water Supplies. SLS 659:2015

Valve Socket – Threaded/SS



Size	L	H	D1	D	Weight	Pack Size
d*	mm	mm	mm	mm	g	nos
20	16	13	12	21	14	50
25	19	14	17	26	18	50
32	22	17	24	33	31	50
40	26	19	32	41	44	10
50	31	19	36	51	60	200
63	38	23	49	72	108	100
75	44	27	64	84	130	50
90	51	30	68	100	311	02
110	61	36	90	124	489	02

Faucet Tee- Threaded/SS



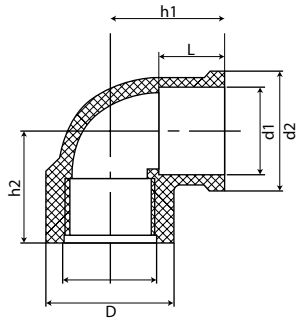
Size	L	Z	D1	D2	h1	h2	H	Weight	Pack Size
d *	mm	mm	mm	mm	mm	mm	mm	g	nos
20	16	10	21	27	28	26	57	27	50

*PN_T 11 and PN_T 14 for 20 mm SS – Solvent Socket

S-Ion uPVC Pressure Fittings Technical Details

Unplasticized Polyvinyl Chloride Pipe Joints And Fittings For Potable Cold Water Supplies. SLS 659:2015

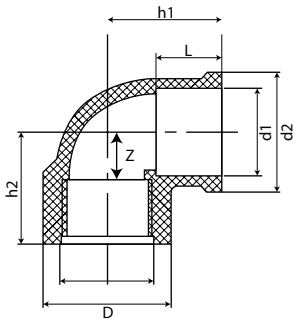
Faucet Elbow- Threaded/SS



Size	L	Z	D	d1	d2	h1	h2	Weight	Pack Size
d1*	mm	mm	mm	mm	mm	mm	mm	g	nos
20	16	11	26	19	26	24	27	22	50

*PN_T 11 and PN_T 14 for 20 mm SS – Solvent Socket

Reducing Faucet Elbow- Threaded/SS



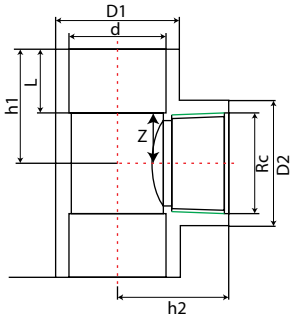
Size	L	Z	D1	D2	h1	h2	Weight	Pack Size
d x Rc*	mm	mm	mm	mm	mm	mm	g	nos
25x20	19	11	31	31.6	24	30	38	50

*PN_T 11 and PN_T 14 for 20 mm SS – Solvent Socket

S-lon uPVC Pressure Fittings Technical Details

Unplasticized Polyvinyl Chloride Pipe Joints And Fittings For Potable Cold Water Supplies. SLS 659:2015

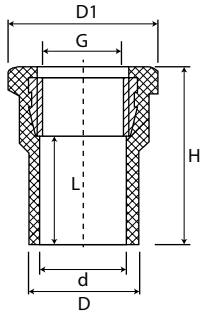
Faucet Elbow- Threaded/SS



Size	L	Z	D1	D2	h1	h2	H	Weight	Pack Size
d x Rc*	mm	mm	mm	mm	mm	mm	mm	g	nos
25x20	19	14	32	27	34	29	27	38	50

*PN_T 11 and PN_T 14 for 20 mm SS – Solvent Socket

Brass Faucet Socket- Threaded/SS



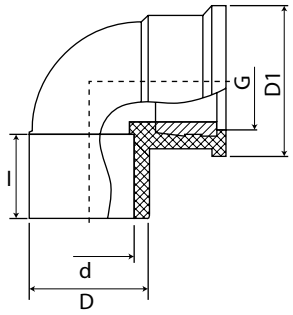
Size	G	L	D	D1	H	Weight	Pack Size
d*		mm	mm	mm	mm	g	nos
20	½”	16	26	33	32	28	10

*PN_T 11 and PN_T 14 for 20 mm SS – Solvent Socket

S-lon uPVC Pressure Fittings Technical Details

Unplasticized Polyvinyl Chloride Pipe Joints And Fittings For Potable Cold Water Supplies. SLS 659:2015

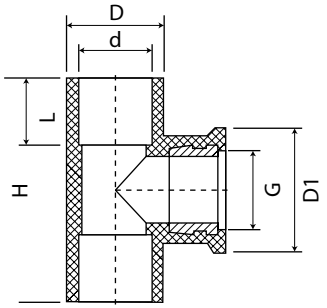
Brass Faucet Elbow- Threaded/SS



Size	G	L	D	D1	Weight	Pack Size
d*		mm	mm	mm	g	nos
20	½"	18	26	29	32	10

*PN_T 11 and PN_T 14 for 20 mm SS – Solvent Socket

Brass Faucet Tee- Threaded/SS



Size	G	L	D	D1	H	Weight	Pack Size
d*		mm	mm	mm	mm	g	nos
20	½"	18	26	29	61	41	10

*PN_T 11 and PN_T 14 for 20 mm SS – Solvent Socket

S-Ion uPVC Solvent Cement Joint Type Fittings and Accessories

Fittings available for the pressure class of Type PN_T 11 and PN_T 14

SOCKET

FAUCET SOCKET

VALVE SOCKET

EQUAL TEE

BRASS THREADED FAUCET TEE

ELBOW

END CAP

BEND (Moulded)
Only for selected sizes

SADDLE CLIP

BRASS THREADED FAUCET SOCKET

REDUCING SOCKET

REDUCING TEE

FAUCET ELBOW

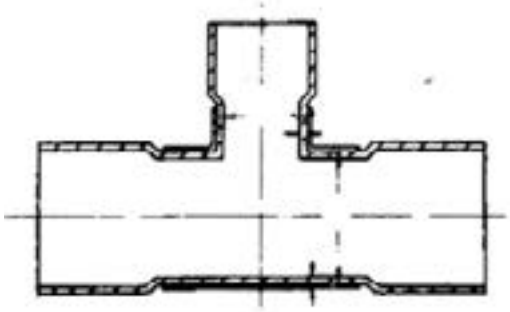
FAUCET TEE

BRASS THREADED FAUCET ELBOW

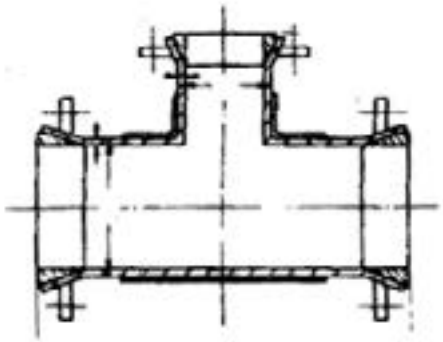
S-lon uPVC Special Fabricated fittings for Potable Cold Water System

Fabricated fittings are available in all pressure classes of PN_T 7 , PN_T 9, PN_T 11, PN_T 14 and PN_T 18 .
we can provide any type of PVC joining system upon request and could also provide customized specials.

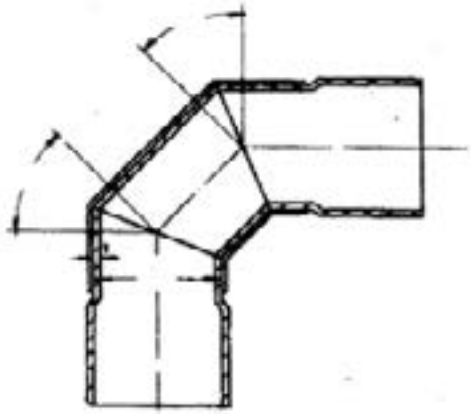
TEE



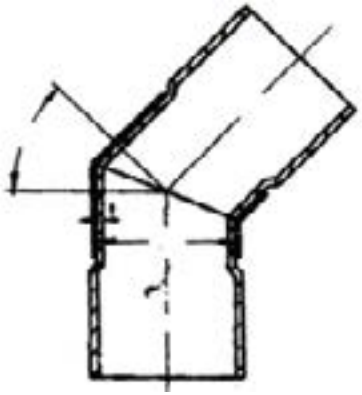
FLANGED TEE



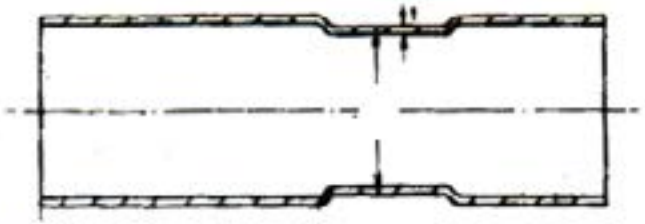
90º SEGMENTED ELBOW



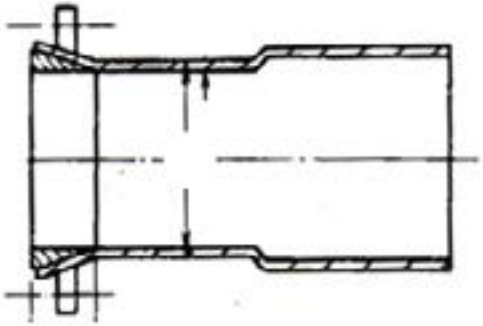
45º SEGMENTED ELBOWS



REPAIR SOCKET



FLANGED AND SOCKETED SHORT PIPE



S-lon uPVC Pipes For Drainage Application

S-lon non pressure uPVC pipes comply with the requirements of SLS 1286 (ISO 4435) and are SLS marked in accordance with the SLSI certification scheme. S-lon pipes are supplied in grey colour with plain ended, solvent socketed and rubber ring joints and standard length 6 metres.

SLS 1286 standard specifies the requirements for uPVC pipes, intended for use for non-pressure underground drainage and sewerage for the conveyance of soil and waste water discharge of domestic and industrial origin, as well as surface water.

Nominal Diameter	Mean OD		(Out of roundness) Ovality	For socketed pipes																		Wall thickness of pipes (e)					
				Solvent cement sockets and spigots					Elastomeric ring seal sockets and spigots					Wall thickness of sockets													
				Socket			Spigot		Socket			Spigot		SN2		SN4		SN8		SN2		SN4		SN8			
				Mean inside diameter of a socket		Length of a solvent cement socket	length of Spigot	Length of Chamfer	Mean inside diameter of a socket	Length of engagement	depth of sealing zone	Length of spigot	Length of Chamfer	SDR 51		SDR 41		SDR 34		SDR 51		SDR 41		SDR 34			
														Socket e2	Groove e3	Socket e2	Groove e3	Socket e2	Groove e3	e	Mean em	e	Mean em	e	Mean em		
	Min	Max		Min	Max	Min	Max		Min	Max	Min	Max		Min	Min	Min	Min	Min	Min	Min	Max	Min	Max	Min	Max		
110	110.0	110.3	$110^{+}_{-}2.64$	110.2	110.6	48	54	6	110.4	32	26	60	6	-	-	2.9	2.4	2.9	2.4	-	-	3.2	3.8	3.2	3.8		
160	160.0	160.4	$160^{+}_{-}3.84$	160.3	160.8	58	74	7	160.5	42	32	81	7	2.9	2.4	3.6	3	4.3	3.6	3.2	3.8	4.0	4.6	4.7	5.4		
315	315.0	315.6	$315^{+}_{-}7.56$	-	-	-	-	-	316.0	62	70	132	12	5.6	4.7	6.9	5.8	8.3	6.9	6.2	7.1	7.7	8.7	9.2	10.4		
355	355.0	355.7	$355^{+}_{-}8.52$	-	-	-	-	-	356.1	66	70	136	13	6.3	5.3	7.8	6.6	9.4	7.8	7.0	7.9	8.7	9.8	10.4	11.7		

S-lon Sewerage and Waste Water Pipes & Fittings

S-lon Soil, Waste and Vent pipes and fittings are manufactured from UV stabilized uPVC which is tough and resilient. uPVC, the major material component is self-extinguishing and will not support combustion. Furthermore, uPVC is unaffected by coastal or industrial atmospheres, or by the use of domestic cleaning agents. S-lon soil and waste uPVC pipes and fittings comply with the requirements of SLS 1325 (ISO 3633). Pipes are in Grey colour and supplied in 6m lengths.

SLS 1325 Standard specifies the requirements for uPVC pipes and fittings for soil and waste discharge (low and high temperature) inside buildings, as well as the system itself.

Nominal Diameter	Mean OD		Out Roundness maximum (ovality)*	For socketed pipes											Thickness	
				Elastomeric ring seal joints sockets						Solvent Cement sockets and spigots						
				Mean inside diameter of socket (minimum)	Mean Outside diameter of spigot		Lengths of sockets and spigots			Mean outside diameter of spigot		Mean Inside diameter of socket		Length of sockets and spigots (Minimum)	At any point e	Mean em
							Length of Engagement A	Depth C	Length L_1							
	Min	Max			Min	Max	Min	Max	Min	Min	Max	Min	Max		Min	Max
32	32.0	32.2	0.77	32.3	32.0	32.2	24.0	18.0	42.0	32.0	32.2	32.1	32.4	22.0	3.0	3.5
40	40.0	40.2	0.96	40.3	40.0	40.2	26.0	18.0	44.0	40.0	40.2	40.1	40.4	26.0	3.0	3.5
50	50.0	50.2	1.20	50.3	50.0	50.2	28.0	18.0	46.0	50.0	50.2	50.1	50.4	30.0	3.0	3.5
63	63.0	63.2	1.51	63.3	63.0	63.2	31.0	20.0	49.0	63.0	63.2	63.1	63.4	36.0	3.0	3.5
75	75.0	75.3	1.80	75.4	75.0	75.3	33.0	20.0	51.0	75.0	75.30	75.2	75.5	40.0	3.0	3.5
90	90.0	90.3	2.20	90.4	90.0	90.3	36.0	22.0	56.0	90.0	90.30	90.2	90.5	46.0	3.0	3.5
110	110.0	110.3	2.64	110.4	110.4	110.0	110.3	40.0	26.0	60.0	110.0	110.30	110.6	48.0	3.2	3.8
140	140.0	140.4	3.36	140.5	140.0	14.4	46.0	26.0	70.0	140.0	140.40	140.3	140.8	54.0	3.2	3.8
160	160.0	160.4	3.84	160.5	160.0	160.4	50.0	32.0	81.0	160.0	160.40	160.3	160.8	58.0	3.2	3.8
315	315.0	315.6	7.56	-	-	-	-	-	-	315.0	315.60	315.5	316.0	60.0	6.2	7.1

* Shall measure directly after production

S-Ion Sewerage and Waste Water Pipes & Fittings

Selecting a Drainage System

The main factors influencing the choice of pipes & fittings for an underground drainage system should include

* The performance characteristics of pipes and fittings
* Availability of a full range of fittings/components
* The total cost of a complete system
* The environmental impact of the system

Drainage Planning

The design and layout of a drainage system should be kept as simple as possible and should be capable of conveying and discharging its contents without causing nuisance or danger to health and safety from blockage or surcharge throughout its anticipated life time. The pipe route selected should make full use of the natural slopes of the ground or any adjustment thereto, so as to achieve the required gradients with minimum excavation. Changes of direction and gradient should be minimized.

For housing it is preferable for drains to be laid externally where provision can be made for easy detection of blockages and their removal. Pipe work laid under the building should be limited and short branched and the drain trench should not impair the stability of the building.

Requirement

GRADIENT - Pipes should be laid to even gradients and any change in gradient should be combined with an access point.

DIRECTION - Pipes should be laid in straight lines where practicable but may be laid to slight curves if it could be cleared of blockages.

JUNCTIONS - Bends should be positioned in or adjacent to terminal fitting, inspection chambers or manholes and at the foot of the discharge stacks. Bends should have a large radius as practicable.

VENTILATION - The system should be ventilated or positioned near the main drain to allow free passage of air throughout.

TRAPS - Appliances should be fitted with integral traps at the point of discharge. If not a trap must be provided using either a trapped gully or low back trap. Special precautions should be taken to accommodate the effects of settlement where pipes run under or near a building or in unstable ground.

General

It is important that drainage runs correctly sized so that the flow is discharged off the sire in an efficient manner. Undersized drains result in the flow running at too high a level with serious risk of surcharge at times. In addition, build-up of potentially dangerous sewer gases could occur as a result of inadequate ventilation. Oversized drains reduce the depth of flow in the systems causing settlement of solids, silt or grit, which could result in blockages.

S-lon Sewerage and Waste Water Pipes & Fittings

Solvent type reducing fittings available for S-lon pipes

DOOR BEND (TS)

PLAIN FLOOR TRAP

MULTI FLOOR TRAP

PIPE CLIP

S-lon Sewerage and Waste Water Pipes & Fittings SLS 1325

Solvent type reducing fittings available for S-lon pipes

SINGLE 'T' WITH DOOR

BEND 89^0

MULTI FLOOR TRAP BASE

DOOR TEE

TOP TILE SET

SWEPT 'T'

EQUAL TEE

DOOR BEND 45^0

SWEPT DOOR TEE

BEND 45^0

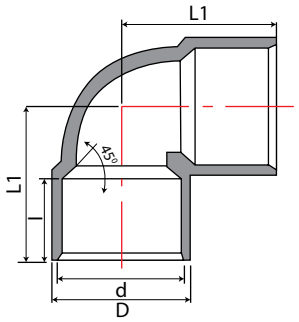
SINGLE Y

DOOR BEND 89^0

SINGLE DOOR Y

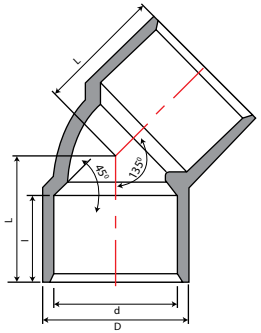
S-Ion Sewerage and Waste Water Fittings

Dn Bend- 89^0



Nominal Size	D	d	l	L1
40	50	40.25	26	60
50	60	50.25	30	70
63	73	63.25	36	80
110	120	110.40	48	125

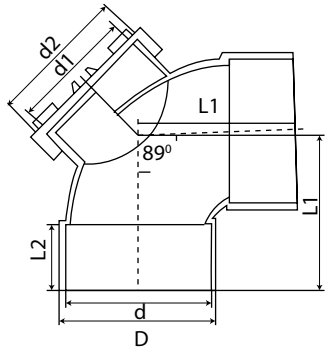
Dn Bend- 45^0



Nominal Size	D	d	l	L
40	50	40.25	26	60
50	60	50.25	30	70
63	73	63.25	36	80
110	120	110.40	48	125

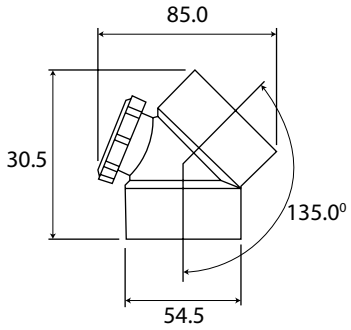
S-Ion Sewerage and Waste Water Fittings

Dn Door Bend- 89^0



Nominal Size	D	d	L1	L2	d1	D1
40	47	40.25	60	26	40	52
50	57	50.25	70	30	40	52
63	70	63.25	80	36	40	52
110	120	110.40	125	48	90	106

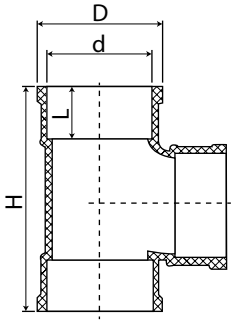
Dn Door Bend- 45^0



Nominal Size	D	L	H
40	47	40.25	105
50	57	50.25	120
63	70	63.25	150
110	120	110.40	220

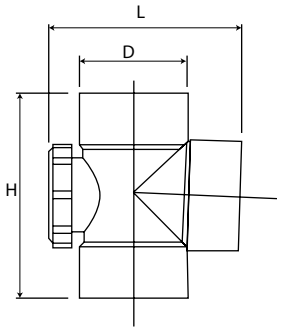
S-Ion Sewerage and Waste Water Fittings SLS 1325

Dn Equal Tee



Nominal Size	D	d	L	H
40	47	40.25	26	120
50	57	50.25	30	140
63	70	63.25	36	160
110	120	110.40	48	240

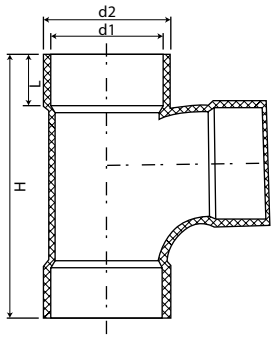
Dn Door Tee



Nominal Size	D	l	L	H
40	47	40.25	26	120
50	57	50.25	30	140
63	70	63.25	36	160
110	120	110.40	48	240

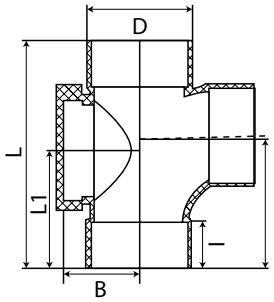
S-Ion Sewerage and Waste Water Fittings SLS 1325

Dn Swept Tee



Nominal Size	d1	d2	L	H
40	40.25	47	40.25	120
50	50.25	57	50.25	140
110	110.40	120	110.40	240

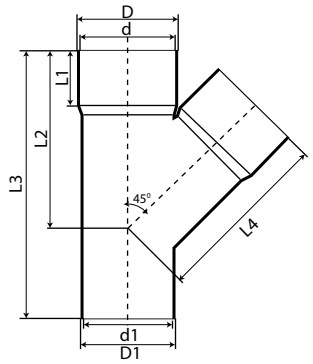
Dn Swept Door Tee



Nominal Size	D	l	L	L1	B
40	47	40.25	120	70	120
50	57	50.25	140	140	140
110	120	110.40	240		240

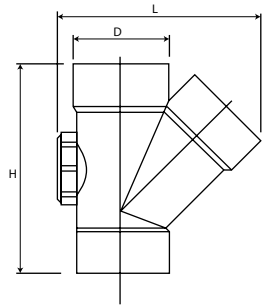
S-lon Sewerage and Waste Water Fittings

Dn Y Junction



Nominal Size	D1	d1	D	d	L1	L2	L3	L4
40	40	34	47	40.25	26	82	130	82
50	50	44	57	50.25	30	100	150	100
63	63	56	70	63.25	36	120	180	120
110	110	113	120	110.40	48	190	278	190

Dn Door Y Junction

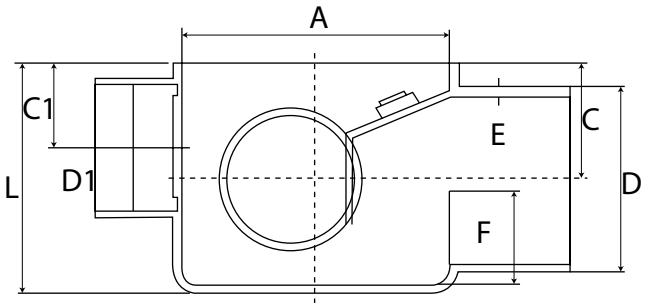


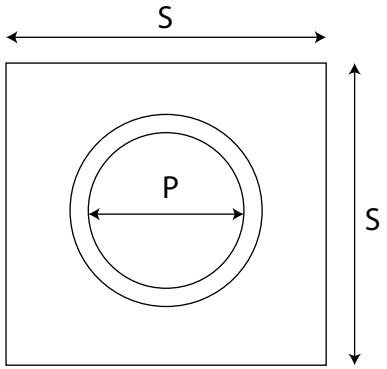
Nominal Size	D1	d1	D	L	H
40	40	34	47	82	130
50	50	44	57	100	150
63	63	56	70	120	180
110	110	113	120	190	278

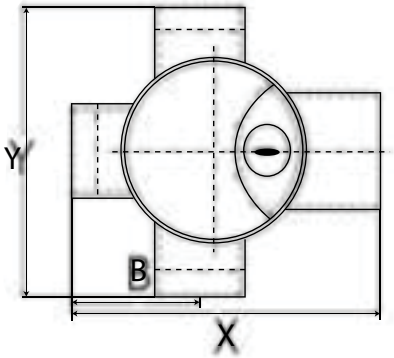
S-lon Sewerage and Waste Water Fittings

SLS 1325

Multi Floor Trap







Nominal Size	Dimensions mm												
	L	A	D	D1	C	C1	Emin	B	X	Y	F	P	S
110	100	100.6	70	50.4	47.5	32.6	2.6	73.5	183	175	36.6	109	148


House of
S-lon
PEACE OF MIND

Polycon Pro Electrical Conduit

SLS 993

Polycon Pro Electrical Conduit Pipe

Nominal Diameter mm	Wall Thickness (min) mm	Length mm
16	0.70	4000
20	0.90	4000
25	1.00	4000
32	1.20	4000
40	1.50	4000
50	1.90	4000

Polycon Pro Electrical Conduit - Fittings

Nominal Diameter mm
16
20
25
32
40
50

Socket

Bend (Fabricated)

Polycon Electrical Conduit

Polycon Electrical Conduit Pipe

Nominal Diameter mm	Wall Thickness (min) mm	Length mm
16	0.70	4000
20	0.80	4000
25	0.90	4000
30	1.00	4000
40	1.00	4000
50	1.30	4000

Polycon Electrical Conduit Fittings

Nominal Diameter mm
16
20
25
30
40
50

Polycon Electrical Conduit & Cable Trunking

POLYCON SADDLE 20M-IMD
POLYCON SADDLE 25M-IMD
POLYCON SADDLE 30M-IMD
POLYCON SADDLE 40M-IMD
POLYCON SADDLE 50M-IMD

Bend (Fabricated)

Conduit Saddle

Size	Width x Height	mm	12.5 x12.5	20.5 x12.5	25.0x 12.5	32.0x 12.5	50.0 x12.5	25x16	40x16	16x16	25x16	16x12	20x12	30x12	40 x12	25 x20	40 x25	50 x 25	50 x50	75 x50
Length (L)		mm	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000

Rainwater Disposal Systems

Brown Gutters

Rain Water Gutter

End Cap

Running Head

Gutter Joiner

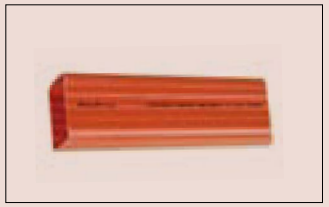
Mitre Joiner - Outer

Mitre Joiner - Inner

Gutter Bracket Outer

Gutter Bracket Inner

Gutter Box



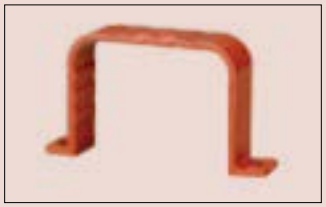
Down Spout

DS Joiner

Y Junction

Down Spout Elbow

Down Spout Angle Elbow



Down Spout Clip 1

Down Spout Clip 2

Down Spout T

Converter

Rainwater Disposal Systems

Grey Gutters

Square Gutter

Square G. Mitre Joiner

Square G. Running Head

Square G. End Cap

Square G. Bracket

Square Gutter Box

Square G. Joiner

Down Spout Elbow

Down Spout Clip

Down Spout

Down Spout Joiner

Square G. End Cap

S-lon PVC Hose Range

ITEM	DESCRIPTION
Garden Hose	1/2” 15m Blue/Black/Green/Red
Garden Hose	1/2”30m Blue/Black/Green/Red
Garden Hose	3/4” 15m Blue/ Green/ Red
Garden Hose	3/4” 30m Blue/ Green /Red
Garden Hose	1”15m Blue
Garden Hose	1” 30m Blue
Garden Hose	1” 45m Blue
Garden Hose	1” 60m Blue
Garden Hose	1” 90m Blue
Garden Hose	1 1/4” 15m Blue
Garden Hose	1 1/4” 30m Blue
Garden Hose	1 1/4” 60m Blue
Garden Hose	1 1/4” 90m Blue
Garden Hose	1 1/4” 150m Blue
Garden Hose	Extra strong 15m
Garden Hose	Extra strong 30m

NORMAL

Normal	DESCRIPTION
Clear Hose	1/8” 30m
Clear Hose	3/16” 30m
Clear Hose	1/4” 30m
Clear Hose	5/16” 30m
Clear Hose	3/8” 30m
Clear Hose	1/2” 30m
Clear Hose	5/8” 30m
Clear Hose	3/4” 30m
Clear Hose	1” 30m
Clear Hose	11/4” 30m

ITEM	DESCRIPTION
S-lon Agro Pipe	60mm (60m & 30m)

SPECIAL

Item	DESCRIPTION
Clear Hose	1/8” 30m
Clear Hose	3/16” 30m
Clear Hose	1/4” 30m
Clear Hose	5/16” 30m
Clear Hose	3/8” 30m
Clear Hose	1/2” 30m

Solvent Cement

935

Net Weight	25g	50g	75g	125g	250g	500g

Guardian Grade 'A' Polymer Coated Chain Link Fencing

Thickness Gauge	• 8,10,12
Variant	• Galvanized and PVC Coated • Permabonded, Galvanized and PVC Coated
Mesh Size	• 50 mm X 50 mm (2" X 2") • 57 mm x 57 mm (2 ¼" x 2 ¼") • 63 mm x 63 mm (2 ½" x 2 ½")
Length	• 15 meters
Colours	• Black & Green

Height (Meters)	Height (Nearest Feet)
1.0	3' 3"
1.2	3' 11"
1.4	4' 7"
1.5	4' 11"
1.8	5' 11"
2.0	6' 7"
2.1	6' 11"
2.4	7' 10"
2.5	8' 2"
3.0	9' 10"
3.5	11' 6"
3.7	12' 2"

Guardian Fencing made with galvanized coating - CLASS A could be customised upto 6 meters in height

Guardian FENCING
Protection unburdened

Available in Black and Green

SPECIAL FEATURES

UV RESISTANT COATING
WEATHER RESISTANT COATING
STRONG DOUBLE PRESSED END KNUCKLES
PERMABONDED GALVANIZED STEEL WIRE
SEA BREEZE RESISTANT
SLS 1148 CERTIFIED

SUPERIOR TECHNOLOGY FROM THE USA

House of S-lon PEACE OF MIND

The latest range of Plastic Taps

S-Lon

DELUXE
TAP SERIES

Bidet Shower

Sink Wall Tap 1/2” QT ST Handle Black

Sink Wall Tap 1/2” QT ST Handle White

Sink Pillar Tap 1/2” QT ST Handle Black

Sink Pillar Tap 1/2” QT ST Handle White

Two Way Faucet Tap 1/2” QT T-Handle White

Tall Pillar Tap Round Handle Black

Filter Bib Tap 1/2” Round Handle Black

Angle Valve Mini 1/2” Round Handle White

Bib Tap Mini 1/2” Round Handle White

Basin Pillar Tap 1/2” QT ST Handle White

Stop Tap 1/2” Male Thread QT ST Handle Black

Angle Valve Mini 1/2” Round Handle White

Bib Tap 1/2” QT ST Handle White

Basin Pillar Tap 1/2” QT ST Handle White

Stop Tap 1/2” Male Thread QT ST Handle White

Angle Valve 1/2” QT ST Handle White

Stop Tap Mini 1/2” Male Female Thread Round Handle White

Bib Tap Mini 1/2” T-Handle White

Filter Bib Tap 1/2” T-Handle White

Angle Valve 1/2” QT ST Handle Black

Stop Tap Mini 1/2” Male Thread Round Handle White

Stop Tap Mini 1/2” Female Thread Round Handle White

Stop Tap Mini 1/2” Male Female Thread Round Handle Black

Stop Tap 1/2” Female Thread QT ST Handle Black

Garden Tap 1/2” QT ST Handle White

Stop Tap Mini 1/2” Male Thread Round Handle Black

Bib Tap 1/2” QT ST Handle Black

Stop Tap 1/2” Female Thread QT ST Handle White

S-lon Water Pump

Absolute power of water

Domestic Water Pump

Model	Pipe Size	Power		Performance	
		HP	KW	Capacity (l/min) Max	Head (m) Max
SL 30	1”x1”	0.5(j)	0.37	35	35
SL 50	1”x1”	0.5(s)	0.37	70	20
SL 75	1”x1”	0.75	0.55	85	22
SL 100	1”x1”	1.0	0.75	105	32

Automatic Booster Water Pump

Model	Pipe Size	Power		Performance	
		HP	KW	Capacity (l/min) Max	Head (m) Max
SFA-50	1"x1"	0.5	2.5	38	35

Self Priming Jet Water Pump

Model	Pipe Size	Power		Performance	
		HP	KW	Capacity (l/min) Max	Head (m) Max
SL-JET-100	1"x1"	1	0.75	56	48

Agro Water Pump

Model	Pipe Size	Power		Performance	
		HP	KW	Capacity (l/min) Max	Head (m) Max
SLA 75	1.5”x1.5”	0.75	0.56	215	12
SLA 100	1.5”x1.5”	1	0.75	250	14
SLA 150	2”x2”	1.5	1.1	350	15
SLA 200	2”x2”	2	1.5	400	18

MAKING YOUR GARDENING MORE ENJOYABLE

S-lon

GardN

Garden Accessories

Simple Spray Gun

Plastic Impulse Sprinkler with Plastic Spike

20mm Extra Strong Garden Hose 15m

Braided Hose Reel cart with 30m with Accessories

4pcs Hose Nozzle Set

Metal Sprinkler

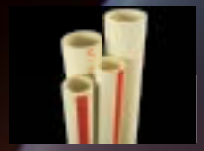
7 Pattern Spray Gun

IS : 15778

S-Lon Quickflow HOT WATER PIPES

THE HOTTEST NAME IN HOT WATER PIPES

CPVC PIPE(LENGTH)



C41210	1/2”
C43410	3/4”
	1”

BRASS FPT ELBOW

C40011	1/2”
C40012	3/4”
C40026	1/2” x 3/4”

CPVC STEP OVER BEND

C40022	1/2”
C40023	3/4”

CPVC ELBOW-90^0

C41030012	1/2”
C41030034	3/4”

BRASS THREADED FEMALE ADAPTER

C40009	1/2”
C40010	3/4”

CPVC ELBOW-45^0

C400018	1/2”
C400019	3/4”

CPVC COUPLING

C40001	1/2”
C40002	3/4”

BRASS FPT TEE

C40013	3/4”x1/2”
C40020	1/2”

NYLON PLASTIC STRAP

C40024	1/2”
C40025	3/4”

CPVC TEE

C41040012	1/2”
C41040034	3/4”

BRASS THREADED MALE ADAPTER

C40007	1/2”
C40008	3/4”

CPVC THREADED MALE ADAPTER

C40003	1/2”
C40004	3/4”

BRASS COUPLING

C40014	3/4”x1/2”

ADHESIVE SOLUTION

C410044	44ml
C410050	50ml
C410118	118ml

CPVC REDUCER BUSH

C41073412	3/4”x1/2”

CPVC UNION

C40016	1/2”
C40017	3/4”

CPVC THREADED FEMALE ADAPTER

C40005	1/2”
C40006	3/4”

CPVC REDUCER COUPLING

C40015	3/4”x1/2”

CPVC CAP

C41020012	1/2”
C41020034	3/4”

CPVC CAP

C41003412	3/4”x1/2”

CPVC BALL VALVE

C00012	1/2”
C00034	3/4”

S-lon

Hep2O

Polybutylene Push-Fit Plumbing System for Hot & Cold water supply

Straight Coil Pipe - Standard

Straight Standard Pipe - Cut Length

Equal Tee

Branch Reduce Tee

Bent Tap Connector 90⁰

Elbow 90⁰

Female Threaded Elbow (Brass)

Straight Connectors (Couplin)

Socket Reducer

Brass Adapter - (Female)

Gate valve - Hot/cold

Demountable Stop End (End Cap)

Wall Plated Elbow

Wall Plated Elbow

Smart Sleeve

Pipe Clips - Cable Type

Pipe Clip - Screw Type

Blanking Peg

Hep Key Plus

Pipe Cutters - Scissor Type A

Hep Tool

Push-Fit S-lon Hep2O includes unique features that enable quick and easy installation with a secure fitting. It is the only push-fit plumbing system with joint recognition, secure demounting and a 50 year guarantee.

BS 7291

CERTIFIED ISO 9001:2008 COMPANY

WRAS APPROVED MATERIAL

S-lon

DELUXE BALL VALVE

Take control with superior technology

- Robust and durable
- Strong handle with rectangular grip
- Designed to minimize friction
- Warranty by S-lon

S-lon Pro-tek

- Long life
- Small size
- Easy installation
- Rust proof
- Wide application
- Large water discharge
- Compact and easy maintenance
- Body : Manufactured with PA66 with ROSH

AUTOMATIC WATER LEVEL CONTROL VALVE

Water Filter

- Simple filtering method
- Prevents entering of sand particles and sediments to the water system
- Easy installation
- Easy cleaning and repair
- Withstands high water pressure
- Food grade material
- Durable, non-corrosive & replaceable
- Transparent body for checking impurity
- Body manufactured with Nylon PA66 material with UV resistance
- Filter mesh manufactured with 304 Stainless Steel

Note

Note

Note

S-Ion Lanka (Pvt.) Ltd.
515/7, T.B. Jayah Mawatha, Colombo 10. Tel: 4 760 100 Fax: 4 760 170, 4 760 175