



Underground Drainage & Sewer System





PROFILE

In 1971, PALING Industries was established to produce uPVC pipes and fittings in Malaysia and through the years has expanded its wide range of products from pipes and fittings to sanitary products like plastic cisterns and other accessories for various applications in water and building industries.

In 2001, PALING entered into a global partnership with the Etex Plastics Group, now known as Aliaxis, a world leader in plastic piping systems. With a reputation equally based on the same high principles of customer service, product excellence and technical innovation, a substantial investment program has taken place to support these common aims.

Stringent factory quality control, key to our success

Strict internal control over our products enables PALING to meet the relevant Malaysian, British, Australian, American and Japanese high standards and to be certified by SIRIM (Standard and Industrial Research Institute of Malaysia). Such certifications enable us to obtain local authorities approvals for use in the public and private projects and such rigor, help us build a reputation of excellence amongst the most demanding international contractors, for products meeting daily the highest demanding architectural and structural requirements.

It is not surprising then that the task of supplying the required pipes and fittings to mega projects such as KLCC (one of the tallest building in the world), KLIA (Kuala Lumpur International Airport) and Putrajaya (the new Administrative Center of the Federal Government of Malaysia) was best awarded to the specialist who has the resources, expertise and experience to meet the intricate and challenging specification requirement.

Wide range of innovative products, key to your success

The unmistakable reliable quality and adaptability has resulted in PALING products being widely used from classic to high-tech infrastructure projects such as water supply, construction of buildings and telecommunication, qualifying PALING in playing the significant role in national development.

PALING's product ranges from uPVC pressure pipes and fittings, soil, waste and vent (SWV) system, underground sewer system, rainwater piping system to telecom and electrical conduits. Accurate control of dimensions & performance, excellent hydraulic flow characteristics, economical and simple to install features are among the benefits of using PALING products.

It's no wonder the versatile and comprehensive ranges of PALING products receive recognition among authorities and contractors who are discerning in their choice of piping system.



OUR SERVICES

Paling Industries has for more than 30 years been directly involved in the manufacture and supply of uPVC pipes and fittings for pressure and non-pressure applications as well as plastic sanitary products in the building and construction industries.

Technical and Commercial Assistance for every technical advice on building site

To date, thousands of kilometers of PALING piping are in service in water mains, soil, waste and vent (SWV) system, underground sewage scheme, as well as fibre optic cable network. In line with the company's commitment to product quality, PALING Industries has been continuously engaged in enhancing its material formulation, processing equipment and tools, and testing facilities in order to improve the performance and reliability of its products.

Our technical and sales teams assure an active presence at site and dedicate their time to acquaint clients with our product range. Our technical department answers every special demand and proposes solutions to clients' requirement.

For a quick supply to your building site delivery within 72 hours

PALING supplies more than 1200 items through an extensive network of specialized distributors equipped with modern and efficient logistic, ensuring delivery, throughout major towns in peninsular Malaysia within 72 hours.*

** Subject to Terms and Conditions.*

CUSTOM-MADE PRODUCT SERVICES

For all your specific needs on parts and fittings, we provide custom-made products to meet your specification.

To meet your specification, our team of engineers studies your special request in order to produce according to your specific needs.



TRAINING CENTER

In this competitive age where customer's satisfaction prevails, we believe in working hand in hand with our fellow installers to ensure continuous product reliability and excellent workmanship to secure a niche in the market. In Paling, despite offering our customers premium quality products, we are also here to share our years of experience in this industry. Well equipped with technical expertise that has mature jobsite experience, our training centre offers programs that impart invaluable knowledge and introduces practical skills of good work practices to optimize the quality of any installation. In addition, we share insights of standards and regulations to keep our partners in the industry abreast of the latest development.

Our Concept

- To provide comprehensive knowledge
- To upgrade skills
- To improve qualifications and competencies

Our Target

PALING is to ensure that the applicant demonstrates his or her ability to properly prepare and assemble plastic plumbing materials used in plumbing systems.

Subjects

- Plumbing
- Sewerages
- Water Reticulation
- Sanitary



The quality of the solvent cemented joint determines the effectiveness of the plastic pipe system as a whole. For this reason, we offer data sheets, booklets, an installation video, installation training and certification seminars as complete educational packages to those who take good joining techniques as seriously as we do.

PLEASE CONTACT OUR SALES TEAM

Tel : 603 - 6189 8333 (General)
603 - 6189 6389 (Sales)
Fax : 603 - 6188 3810
Email : Domestic
sales@paling.com.my
Export
export@paling.com.my



OFFICIAL CERTIFICATION

For years, PALING'S range of uPVC Pipes and Fittings has its quality controlled, approved and certified by SIRIM and NSF



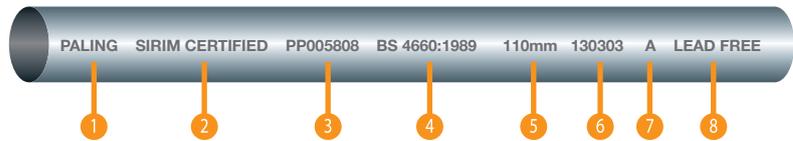
Standard and Qualification

Underground Pipes

- Dimensions and performance meet the requirement of standards.
- High quality of finish with smooth internal and external surface.
- Provides low coefficient of flow friction.
- Excellent resistance to chemicals and gas naturally found in sewerage.
- Extensive size range to suit installation needs.

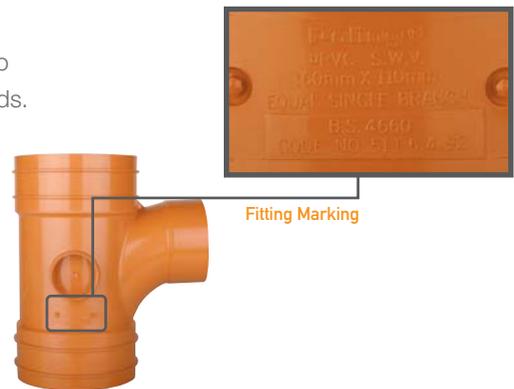
Pipe Marking

- 1: The word "PALING" or Paling Logo with the word "PALING"
- 2: The word SIRIM CERTIFIED or MS Logo
- 3: SIRIM License number
- 4: Standard conformance and year of standard
- 5: Nominal size
- 6: Manufacturing date
- 7: Manufacturing Shift code
- 8: Lead Free



Underground Fittings

- Wall thickness of fittings and materials are constructed and formulated to achieve strength that exceeds the performance requirements of standards.
- High quality of finish with smooth internal and external surface.
- Provides low coefficient of flow friction.
- Excellent resistance to chemicals and gas naturally found in sewerage.
- Ability to accommodate deformation without structural damage.
- Comprehensive range of fittings offers solutions to various installation requirements.



PALING products are accurately designed and formulated to consistently and continuously exceed the performance aspects of standards.

- The word "Paling" or Paling Logo
- Nominal Size
- Standard Conformance

With SIRIM and ISO 9001:2000 certifications, they undoubtedly provide an independent assurance to users or customers that Paling products are manufactured under an effective system of inspection, testing, supervision and control.

Official Certification

For years, PALING's range of uPVC Underground Drainage Pipes & Fittings has its quality controlled, approved and certified by **SIRIM**



PIPES

MODEL	NOM. SIZE (mm)	SPECIFICATION
Underground	110, 160	BS 4660:1989
Underground	200, 250, 315	MS 979:PT.2:1985

FITTINGS

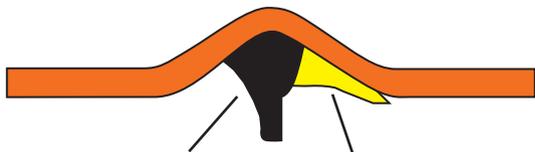
MODEL	NOM. SIZE (mm)	SPECIFICATION
Bend (Swept)	110 & 160	BS 4660:1989
Bend W/I/O (Swept)	110 & 160	BS 4660:1989
45° Bend (Unswept)	110 & 160	BS 4660:1989
45° Bend W/I/O (Unswept)	110 & 160	BS 4660:1989
41° Bend (Unswept)	110	BS 4660:1989
Equal Single Branch (Swept)	110 & 160	BS 4660:1989
Equal Single Branch W/I/O (Swept)	110 & 160	BS 4660:1989
Straight Coupler	110 & 160	BS 4660:1989
Seal Ring Adaptor	110 & 160	BS 4660:1989
Unequal Single Branch (Swept)	160 x 110	BS 4660:1989
Unequal Single Branch W/I/O (Swept)	160 x 110	BS 4660:1989
Concentric Reducer	160 x 110	BS 4660:1989
Bush / Socket Reducer	160 x 110	BS 4660:1989
Access Plug & Screw on Cap	110 x 82	BS 4660:1989
Equal Double Branch (Swept)	110	BS 4660:1989
Equal Double Branch W/I/O (Swept)	110	BS 4660:1989
'P' Trap	110	BS 4660:1989
WC Connecting Bend W/I/O	110	BS 4660:1989
45° Unequal Single Branch (Unswept)	160 x 110	BS 4660:1989
45° Unequal Single Branch W/I/O (Unswept)	160 x 110	BS 4660:1989
Unequal Double Branch (Unswept)	160 x 110	BS 4660:1989
Unequal Double Branch W/I/O (Unswept)	160 x 110	BS 4660:1989
45° Equal Single Branch (Unswept)	110	BS 4660:1989
45° Equal Single Branch W/I/O (Unswept)	110	BS 4660:1989

uPVC Underground Pipes

Rubber Ring Joint System Benefits:



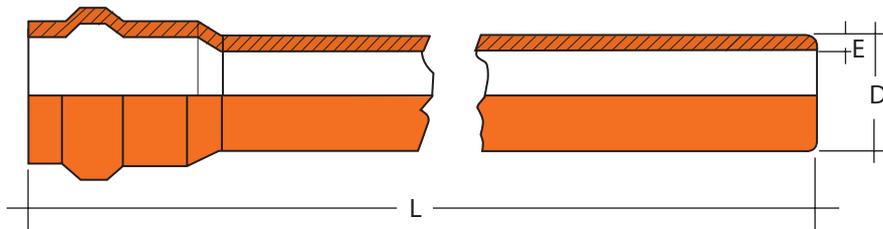
- ❖ Flexible joint can withstand ground settlement without damage.
- ❖ Low insertion force to provide ease and speed in installation.
- ❖ Fully watertight system to external pressure and depression.
- ❖ Permits wide radius bends during installation.
- ❖ High resistance to ageing and external agents.
- ❖ Permits linear thermal expansion.
- ❖ Angular and diametral deformation strength.



A flexible "thermoplastic elastomer" element to effectively seal against spigot and socket.

A reinforcing "plastic" element bonded to the thermoplastic elastomer element, to hold the seal firmly in place.

Paling uPVC Underground pipe is fitted with Forsheda 605 Sewer Lock System, an integrated system where the seal and mandrel act together as a tool to shape the pipe socket during pipe manufacture. The seal is firmly locked in the correct position by cooling-shrinking the pipe socket. Together the two seal materials form a forming tool to shape its own seal groove eliminating irregularities and tolerances in the socket. As the pipe is supplied with seal firmly intergrated during manufacture, pipelaying work is made easier and faster. Risk of seal displacement during installation is eliminated.



CODE NO.	NOM. SIZE (mm)	MEAN OUTSIDE DIAMETER (D) (mm)	WALL THICKNESS (E) (mm)	LENGTH L (meter)
+ 1501 110 60	110	110.0 - 110.4	3.2 - 3.8	6.0
+ 1501 160 60	160	160.0 - 160.6	4.1 - 4.7	6.0
+ 1501 200 60	200	200.0 - 200.6	4.9 - 5.5	6.0
* 1502 250 60	250	250.0 - 250.7	6.1 - 6.7	6.0
* 1502 315 60	315	315.0 - 315.9	7.7 - 8.5	6.0

+ Available in Rubber Ring Joint
* Available in Solvent Socket

Assembly Force

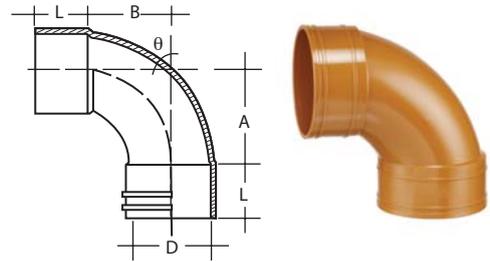
The lip design of 'Sewer Lock System' permits joints to be made with LOW assembly force.

(Plain-end pipe, solvent socket, alternative type of rubber seal and other lengths are available on order.)

Bend (Swept)

CODE NO.	NOM. SIZE (mm)	ANGLE	DIMENSIONS (mm)			
		θ	D	L	A	B
2501 110	110	87 1/2°	110.6	51	75	71
2501 160	160	87 1/2°	160.8	76	129	129

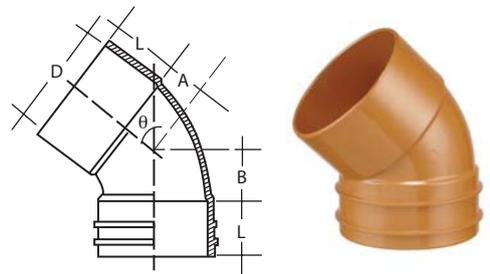
Also available with Inspection Opening
D: Nominal Dimensions



Bend (Unswept)

CODE NO.	NOM. SIZE (mm)	ANGLE	DIMENSIONS (mm)			
		θ	D	L	A	B
* 2510 110	110	45°	110.6	50	20	20
* 2510 160	160	45°	160.8	76	30	30
2501 200	200	89°	200.8	94/100	120	116
# 2502 3 2041	200	45°	200	85	65	65
# 2512 3 2541	250	45°	250	101	79	79
# 2512 3 3041	315	45°	315	116	100	100
# 2512 4 2541	250	87 1/2°	250	101	154	154
# 2512 4 3041	315	87 1/2°	315	116	192	192

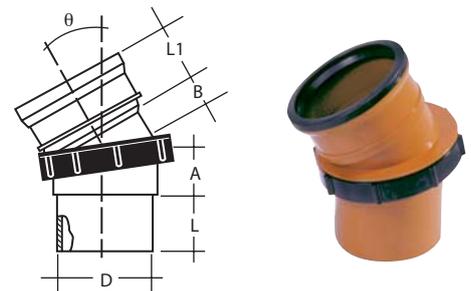
* Also available with Inspection Opening
Available in Rubber Ring Joint
Imported fittings from Aliaxis
D: Nominal Dimensions



Adjustable Bend

CODE NO.	NOM. SIZE (mm)	ANGLE	DIMENSIONS (mm)				
		θ	D	L	L1	A	B
25H9 9 9941	110	5° - 30°	110	62	59	26	36

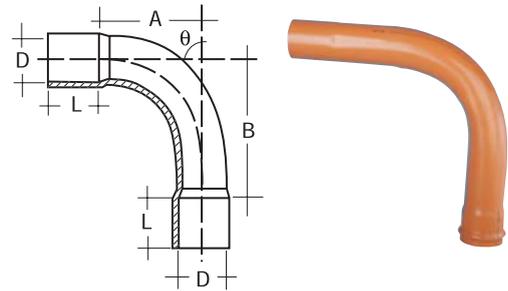
Available in Rubber Ring Joint
Imported fittings from Aliaxis
D: Nominal Dimensions



Long Radius Bend (Swept)

CODE NO.	NOM. SIZE (mm)	ANGLE θ	DIMENSIONS (mm)			
			L	A	B	D
2501 110F	110	90°	48	429	429	110.6
2501 160F	160	90°	58	624	624	160.8

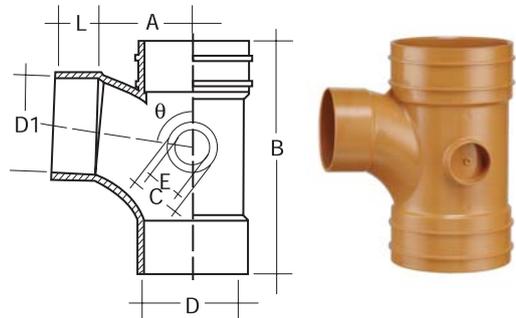
Fabricated from pipe
D: Nominal Dimensions



Branch (Swept)

CODE NO.	NOM. SIZE (mm)	ANGLE θ	DIMENSIONS (mm)						
			L	A	B	C	E	D	D1
2511 110	110	87 1/2°	50.0	75	250	-	50	110.6	110.6
2511 160	160	87 1/2°	77.0	155	360	82	50	160.8	160.8
2511 160 110	160x110	87 1/2°	160.3	125	372	-	50	160.8	110.6

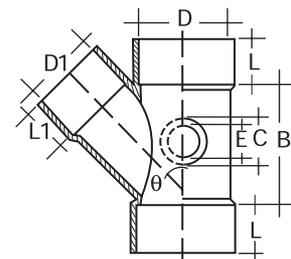
C, D, D1 & E: Nominal Dimensions



Branch (Unswept)

CODE NO.	NOM. SIZE (mm)	ANGLE θ	DIMENSIONS (mm)						
			L	L1	B	C	E	D	D1
#2513 110	110	45°	51	51	166	82	50	110.6	110.6
2513 110 082	110x82	45°	51	37	166	82	50	110.6	83.1
#2513 160 110	160x110	45°	76	50	163	82	50	160.8	110.6
* 2504 4 1641	160	45°	72	72	255	-	-	160	160
* 2514 4 3141	200x110	45°	86	62	184	-	-	200	110
* 2503 1 2131	200x160	45°	86	74	282	-	-	200	160
* 2514 4 2041	200	45°	100	85	296	-	-	200	200
* 2514 4 4041	250x160	45°	101	74	292	-	-	250	160
* 2514 4 2541	250	45°	101	101	412	-	-	250	250
* 2514 4 3441	315x110	45°	125	60	360	-	-	315	110
* 2514 4 4241	315x160	45°	117	74	294	-	-	315	160
* 2514 4 3041	315	45°	117	117	505	-	-	315	315

Also available with Inspection Opening
* Available in Rubber Ring Joint
* Imported fittings from Aliaxis
C, D, D1 & E: Nominal Dimensions



Double Branch (Unswept)

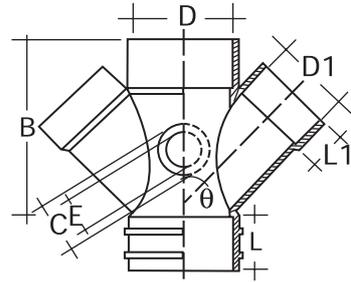
CODE NO.	NOM. SIZE (mm)	ANGLE θ	DIMENSIONS (mm)							
			L	L1	B	C	E	D	D1	
* 2503 6 1141	110	45°	57	60	171	-	-	110.6	110.6	
+ 2518 160 110	160x110	45°	76	50	163	82	50	160.8	110.6	
+ 2516 160 110	160x110	87 1/2°	76	50	163	82	50	160.8	110.6	

Available in Rubber Ring Joint

* Imported fittings from Aliaxis

+ Reducing Double Branch

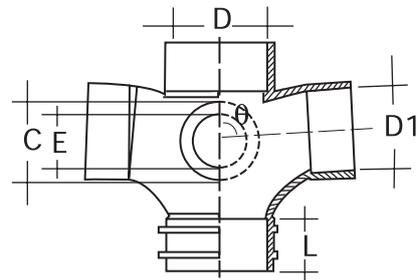
C, D, D1 & E: Nominal Dimensions



Double Branch (Swept)

CODE NO.	NOM. SIZE (mm)	ANGLE θ	DIMENSIONS (mm)				
			L	C	E	D	D1
2516 110	110	87 1/2°	50.5	82	50	110.6	110.6

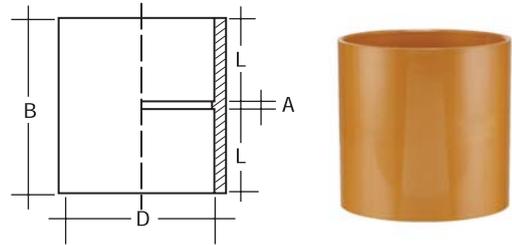
C, D, D1 & E: Nominal Dimensions



Straight Coupler

CODE NO.	NOM. SIZE (mm)	DIMENSIONS (mm)			
		L	A	B	D
2525 110	110	51	3.2	112	110.6
2525 160	160	77	4.3	161	160.8
*# 2506 3 205E	200	106	5	217	200
*# 2506 3 2591	250	123	8	254	250
*# 2506 3 3091	315	144	9	297	315

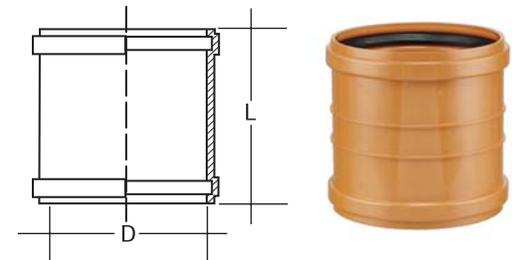
Available in Rubber Ring Joint
* Imported fittings from Aliaxis
D: Nominal Dimensions



Repair/Slip Coupler

CODE NO.	NOM. SIZE (mm)	DIMENSIONS (mm)	
		L	D
2506 1 1151	110	122	110
2506 1 1651	160	154	160
2506 1 2051	200	217	200
2506 1 2591	250	254	250
2506 1 3091	315	297	315

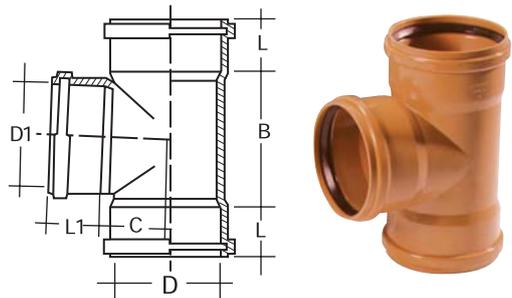
Available in Rubber Ring Joint
Imported fittings from Aliaxis
D: Nominal Dimensions



Tee 87° 30 (Unswep)

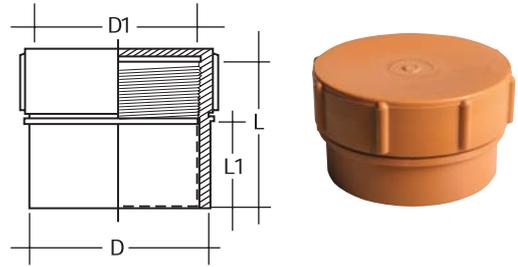
CODE NO.	NOM. SIZE (mm)	DIMENSIONS (mm)					
		L	L1	B	C	D	D1
2504 6 0141	200x110	86	-	243	-	200	110
2504 6 0641	200x160	86	62	243	108	200	160
2514 5 2041	200	86	86	243	120	200	200
2514 6 1141	250x110	105	56	195	145	250	110
2514 6 1641	250x160	107	126	200	134	250	160
2514 6 2041	250x200	113	120	243	136	250	200
2514 5 2541	250	101	101	317	152	250	250
2514 6 4141	315x110	125	60	362	195	315	110
2514 6 4241	315x160	120	138	207	164	315	160
2514 6 4441	315x200	118	140	281	170	315	200
2514 6 4641	315x250	125	105	351	265	315	250
2514 5 3041	315	117	117	396	185	315	315

Available in Rubber Ring Joint
Imported fittings from Aliaxis
D & D1: Nominal Dimensions



Socket Plug with Screw On Cap

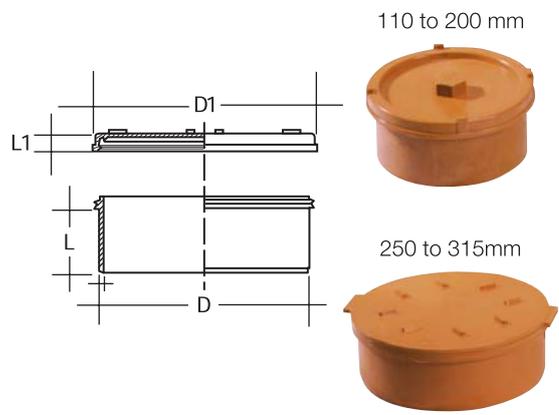
CODE NO.	NOM. SIZE (mm)	DIMENSIONS (mm)			
		L	L1	D	D1
2529 110 082	110	77	50	103.8	82



Access Plug

CODE NO.	NOM. SIZE (mm)	DIMENSIONS (mm)			
		L	L1	D	D1
2506 5 1101	110	62	19	110	125
2516 5 1601	160	60	23	160	176
2516 5 2001	200	80	23	200	216
2516 5 2501	250	90	18	250	262
2516 5 3001	315	93	22	315	354

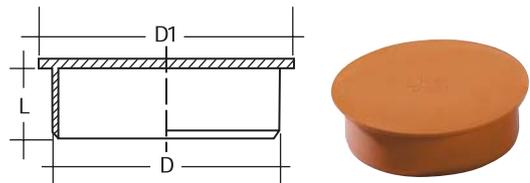
Also available in Rubber Ring Joint
Imported fittings from Aliaxis
D & D1: Nominal Dimensions



Socket Plug

CODE NO.	NOM. SIZE (mm)	DIMENSIONS (mm)		
		L	D	D1
2506 6 1101	110	38	110	126
2506 6 1601	160	49	160	180
2506 6 2001	200	59	200	223
2506 6 2501	250	90	250	282
2506 6 3001	315	93	315	350

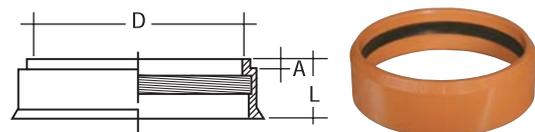
Imported fittings from Aliaxis
D & D1: Nominal Dimensions



Seal Ring Adaptor

CODE NO.	NOM. SIZE (mm)	DIMENSIONS (mm)		
		A	L	D
2542 110	110	5	38	110.2
2542 160	160	7	42	160.4

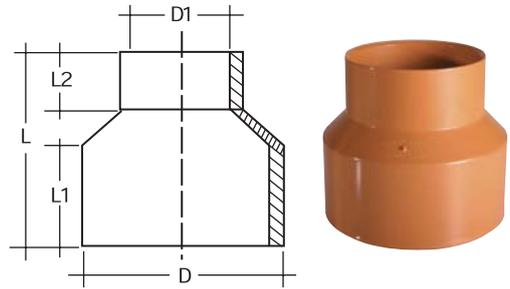
D: Nominal Dimensions



Concentric Reducer

CODE NO.	NOM. SIZE (mm)	DIMENSIONS (mm)				
		L	L1	L2	D	D1
2539 160 110	160x110	146	75	47	160	110

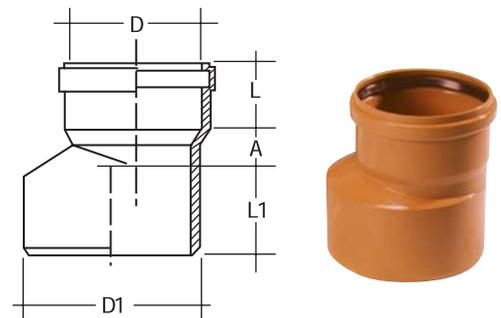
D & D1: Nominal Dimensions



Level Invert Reducer

CODE NO.	NOM. SIZE (mm)	DIMENSIONS (mm)				
		L	L1	A	D	D1
2505 1 4051	200x160	74	100	39	200	160
2505 1 2551	250x200	96	134	39	250	200
2505 1 335E	315x200	86	145	85	315	200
2505 1 3091	315x250	103	144	64	315	250

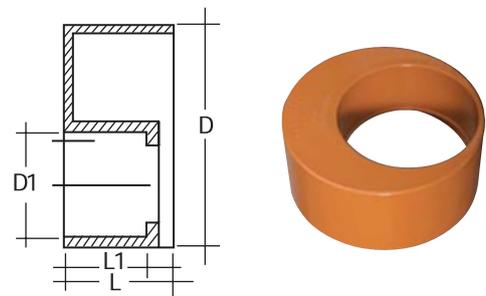
Available in Rubber Ring Joint
Imported fittings from Aliaxis
D & D1: Nominal Dimensions



Bush/Socket Reducer

CODE NO.	NOM. SIZE (mm)	DIMENSIONS (mm)			
		L	L1	D	D1
2536 160 110	160x110	71	48.5	160.3	110.6

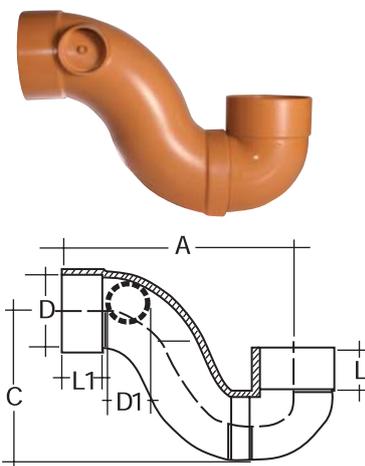
D & D1: Nominal Dimensions



'P' Trap

CODE NO.	NOM. SIZE (mm)	DIMENSIONS (mm)					
		L	L1	A	C	D	D1
2546 110	110	50	50	310	160	110.6	50

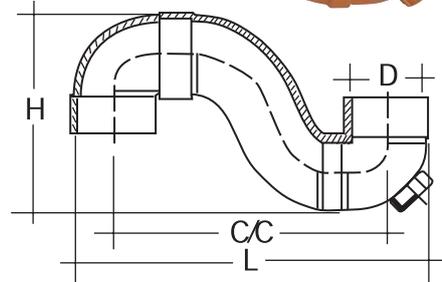
D & D1: Nominal Dimensions



'S' Trap

CODE NO.	NOM. SIZE (mm)	DIMENSIONS (mm)			
		L	H	C/C	D
2548 110	110	500	270	390	110.6

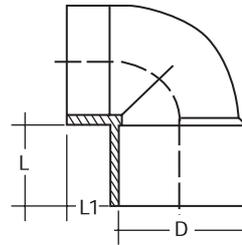
D: Nominal Dimension



WC Connecting Bend

CODE NO.	NOM. SIZE (mm)	ANGLE θ	DIMENSIONS (mm)		
			L	L1	D
2508 110	110	90°	50	25	110.6
* 2509 110	110	90°	50	25	110.6

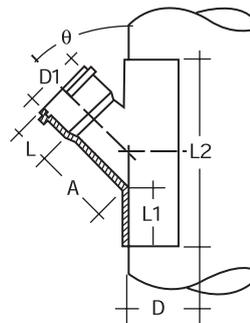
* With inspection opening
D: Nominal Dimensions



45° Saddle

CODE NO.	NOM. SIZE (mm)	ANGLE θ	DIMENSIONS (mm)					
			L	L1	L2	A	D	D1
2504 3 8491	200x160	45°	73	85	390	165	200	160
2504 3 8891	250x160	45°	73	92	400	165	250	160
2504 3 9491	315x160	45°	73	110	432	165	315	160

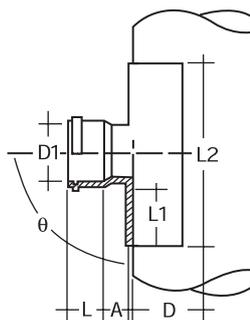
Available in Rubber Ring Joint
Imported fittings from Aliaxis



90° Saddle

CODE NO.	NOM. SIZE (mm)	ANGLE θ	DIMENSIONS (mm)					
			L	L1	L2	A	D	D1
2504 3 4351	200x160	90°	58.5	77	322	34	200	160
2514 2 4251	250x160	90°	58.5	77	322	34	250	160
2514 2 525E	315x160	90°	58.5	77	322	34	315	160

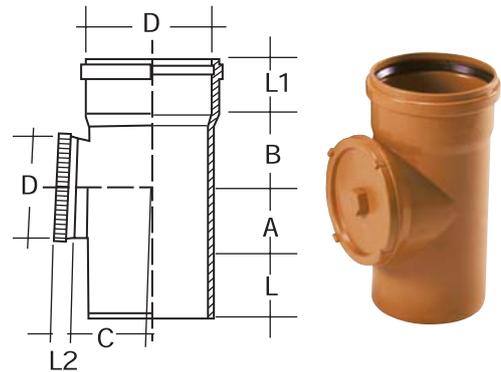
Available in Rubber Ring Joint
Imported fittings from Aliaxis



Access Pipe

CODE NO.	NOM. SIZE (mm)	DIMENSIONS (mm)							
		L	L1	L2	A	B	C	D	
2518 2 1151	110	60	55	36	59	69	69	110	
2518 2 1651	160	85	72	24	83	99	99	160	
2518 2 2051	200	100	86	28	105	119	119	200	
2514 0 2591	250	135	101	70	120	152	152	250	
2514 0 3091	315	146	114	90	166	185	185	315	

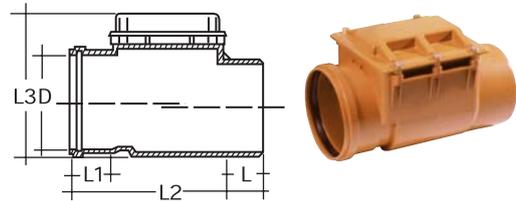
Available in Rubber Ring Joint
Imported fittings from Aliaxis
D: Nominal Dimensions



Inspection Chamber

CODE NO.	NOM. SIZE (mm)	DIMENSIONS (mm)					D
		L	L1	L2	L3		
2514 7 5551	110	61	61	307	192	110	
2514 7 1691	160	74	74	334	220	160	
2514 7 2091	200	100	86	451	280	200	

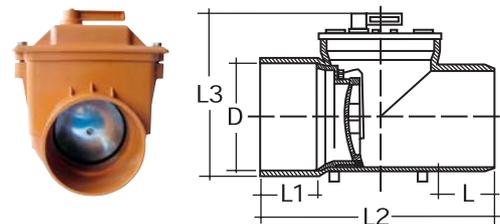
Available in Rubber Ring Joint
Imported fittings from Aliaxis
D: Nominal Dimensions



Non-return Valve With Lip Ring + Inox Flap

CODE NO.	NOM. SIZE (mm)	DIMENSIONS (mm)					D
		L	L1	L2	L3		
2515 5 5691	110	61	61	307	230	110	

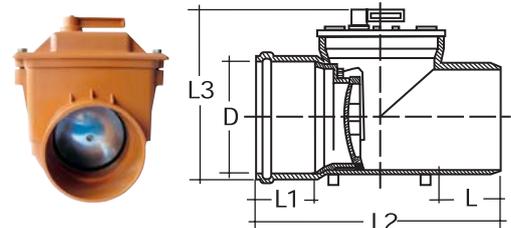
Imported fittings from Aliaxis
D: Nominal Dimensions



Non-return Valve Solvent Socket+Inox Flap

CODE NO.	NOM. SIZE (mm)	DIMENSIONS (mm)					D
		L	L1	L2	L3		
2515 5 5601	110	61	61	307	230	110	

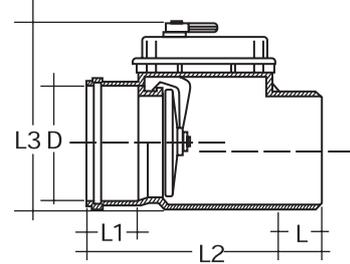
Imported fittings from Aliaxis
D: Nominal Dimensions



Non-return Valve With Lip Ring

CODE NO.	NOM. SIZE (mm)	DIMENSIONS (mm)				
		L	L1	L2	L3	D
2515 5 5551	110	61	61	307	230	110
2515 5 1691	160	74	74	337	255	160
2515 5 2091	200	100	86	451	300	200

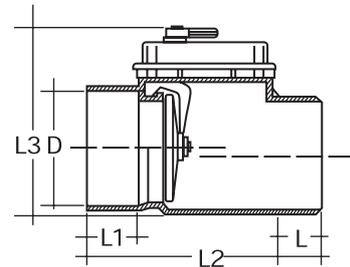
Imported fittings from Aliaxis
D: Nominal Dimensions



Non-return Valve Solvent Socket

CODE NO.	NOM. SIZE (mm)	DIMENSIONS (mm)				
		L	L1	L2	L3	D
2515 5 5501	110	61	61	307	230	110
2515 5 1601	160	74	74	337	255	160
2515 5 2001	200	100	86	451	300	200

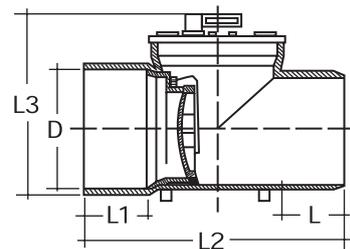
Imported fittings from Aliaxis
D: Nominal Dimensions



Non-return Valve With Lip Ring

CODE NO.	NOM. SIZE (mm)	DIMENSIONS (mm)				
		L	L1	L2	L3	D
2515 5 2591	250	130	102	520	374	250
2515 5 3091	315	160	125	615	440	315

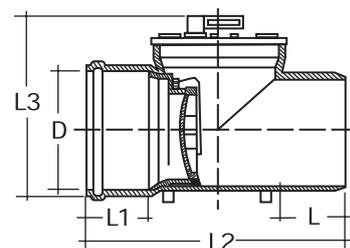
Imported fittings from Aliaxis
D: Nominal Dimensions



Non-return Valve Solvent Socket

CODE NO.	NOM. SIZE (mm)	DIMENSIONS (mm)				
		L	L1	L2	L3	D
2515 5 2501	250	130	102	520	374	250
2515 5 3001	315	160	125	615	440	315

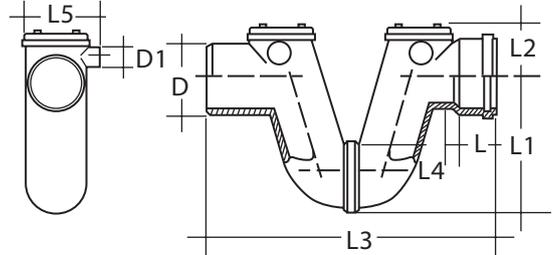
Imported fittings from Aliaxis
D: Nominal Dimensions



Trap Interceptor

CODE NO.	NOM. SIZE (mm)	DIMENSIONS (mm)								
		L	L1	L2	L3	L4	L5	D	D1	
2517 5 0091	110	61	202	88	510	35	153	110	40	

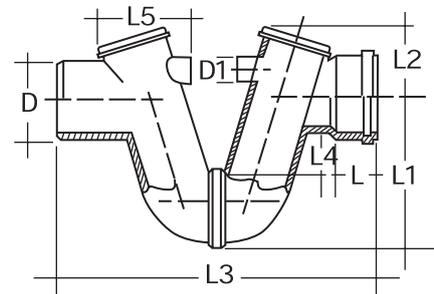
Available in Rubber Ring Joint
Imported fittings from Aliaxis
D & D1: Nominal Dimensions



Trap Interceptor

CODE NO.	NOM. SIZE (mm)	DIMENSIONS (mm)								
		L	L1	L2	L3	L4	L5	D	D1	
2517 5 1691	160	72	295	158	676	50	210	160	50	
2517 5 2091	200	84	345	198	818	50	270	200	63	

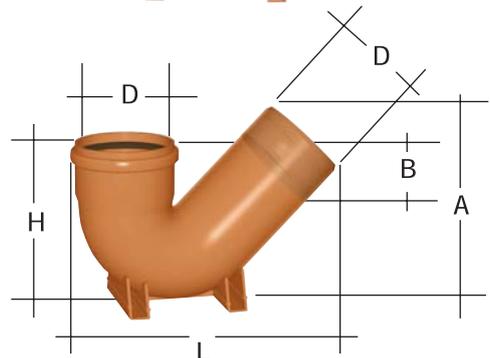
Available in Rubber Ring Joint
Imported fittings from Aliaxis
D & D1: Nominal Dimensions



Universal Gully Trap

CODE NO.	NOM. SIZE (mm)	DIMENSIONS (mm)				
		H	L	A	B	D
25Z7 7 13PP	110	142	310	225	50	110

Available in Rubber Ring Joint
Imported fittings from Aliaxis
D: Nominal Dimensions
Water Seal 50mm (when fitted with 45° Bend)



Mechanical Saddle 90°

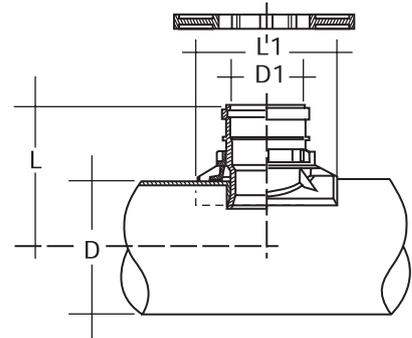
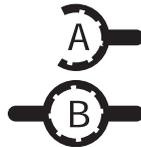
CODE NO.	NOM. SIZE (mm)	DIMENSIONS (mm)			
		L	L1	D	D1
2514 3 2251	250x160	285	290	250	160
2514 3 3351	315x160	315	290	160	160

Available in Rubber Ring Joint
Imported fittings from Aliaxis
D & D1: Nominal Dimensions



Screwing Tool

CODE NO.	TYPE	NOM. SIZE (mm)
2509 9 6606	A	160
2509 9 66C6	B	160



Installed Pipeline



Fast Method
with Mechanical
Connection



1 Drill the pipe squarely with a cylindrical saw $\varnothing = 152\text{mm}$ (6").



2 De-burr hole with a file or a metallic brush.

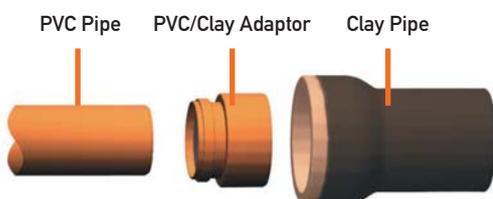
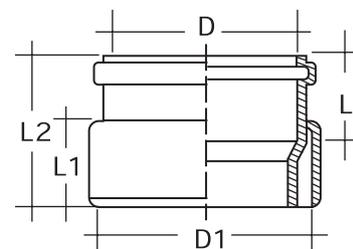


3 Screw the ring nut with the appropriate clip until the blocking of the obtained branch.

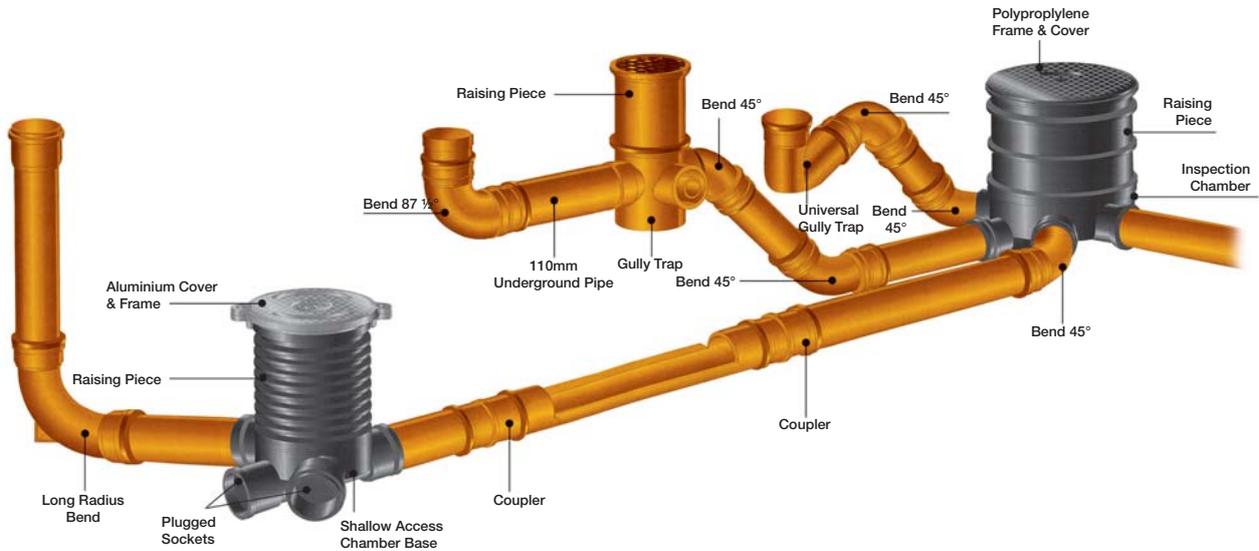
PVC/Clay Adaptor

CODE NO.	NOM. SIZE (mm)	DIMENSIONS (mm)				
		L	L1	L2	D	D1
2506 2 1091	110	56	70	114	110	136
2506 2 1791	160	72	70	123	160	190

Available in Rubber Ring Joint
Imported fittings from Aliaxis
D & D1: Nominal Dimensions



Drainage Systems Layout



Drainage Systems that give you an advantage

Paling offers a variety of bends, junctions, adaptors, gullies and access fittings to overcome the most difficult drainage installation.

PALING Connectors

Connecting to existing materials quickly and simply, saves installation time.

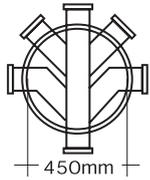
Paling Underground Drainage and Sewer Systems are manufactured to British and Malaysian standards and are compatible with other standard uPVC drainage systems of the same nominal size.

Paling Underground Drainage Systems have been designed to meet the needs of today's drain laying market. It incorporates a wide range of fittings that makes the system easy to use even in bad weather conditions and enables all types of drainage to be catered for. The system's overall flexibility offers considerable savings in both labour and installation time.

A comprehensive range of components is available in (110mm, 160mm, 200mm, 250mm and 315mm sizes, thus ensuring that Paling can supply all domestic, commercial and industrial requirements for both foul water and surface water drainage up to main sewer).

Inspection Chambers

Description



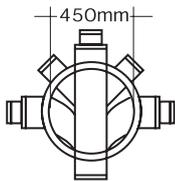
Equal Chamberbase 263mm Invert
(Sockets supplied with 3 Blanking Plugs)

CODE NO.	NOM.SIZE (mm)
25DS50.4	110



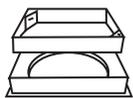
Spare Blanking Plug
(for 25DS50.4 & 25DS71.4)

CODE NO.	NOM.SIZE (mm)
25DS56.4	110



Unequal Chamberbase 260mm Invert
(Supplied with all Spigot Connections
Closed-cut to suit)

CODE NO.	NOM.SIZE (mm)
25DS57.6	160



Square to Round Access Cover
(for block paving)

CODE NO.	NOM.SIZE (mm)
25DS65.4	110



Raising Piece
Reversible for 25DS50.4 or 25DS57.6
(160mm effective height)

CODE NO.	NOM.SIZE (mm)
25DS58.4	110
25DS58.6	160

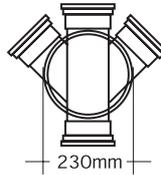


Cover & Frame
To EN124-A15 Light Duty

CODE NO.	NOM.SIZE (mm)
25DS62.4	110
25DS62.6	160

Shallow Access Chamber

Description



Equal Chamberbase 140mm invert
(Sockets supplied with 2 Blanking Plugs)

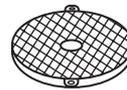
CODE NO.	NOM.SIZE (mm)
25DS71.4	110



Raising Piece
(205mm effective height 2 risers from
600mm overall height)

CODE NO.	NOM.SIZE (mm)
25DS72.4	110

Cover & Frame



Aluminium

CODE NO.	NOM.SIZE (mm)
25DS39.4	110

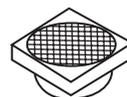
'O' ring to form Sealed Access
for 25DS39.4 only

CODE NO.	NOM.SIZE (mm)
25DS40.4	110



uPVC Round (Sealed Unit)

CODE NO.	NOM.SIZE (mm)
25DS69.4	110



uPVC Square

CODE NO.	NOM.SIZE (mm)
25DS68.4	110



- Easy to install.
- Conforms fully to BS regulations.
- Simple dry joint assembly.
- Shallow access frame and cover in uPVC or aluminium.

Useful measurements	Height
Base only	302 mm
Base with one riser	465 mm
Base with two risers	628 mm
Base with three risers	791 mm
Base with four risers	954 mm

110mm has integral snap cap and seals for quick and push-fit pipe insertion.

The base unit is 450mm in diameter and has an effective height of 278mm.

Riser can be cut to suit levels.

Inspection chambers (450mm) must not exceed 1m deep (base, four risers plus cover & frame).

Shallow access chamber (230mm) must not exceed 600mm deep (base, two risers plus cover & frame).

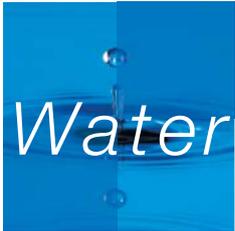
Imported fittings from Aliaxis.

Colour: Black

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The Water Delivery System

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