



Underground Drainage & Sewer System



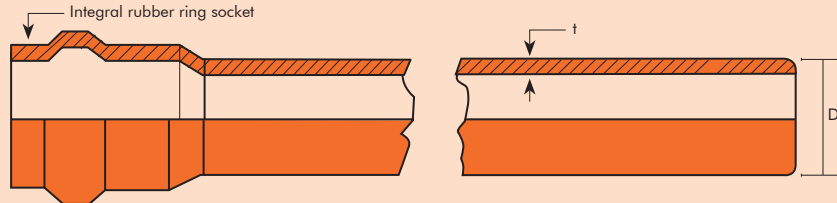
Rain Water Piping System



uPVC Drainage Pipes and Fittings - Inch Series

Supreme offers wide range of uPVC soil, waste & vent pipes and fittings compatible with to British standard BS 4514 / 5255 here referred to as SWV and BS 4660 referred to as UDS. This range is available in solvent weld socket for above ground application and with rubber ring socket for underground application.

uPVC pipes specification as per British Standard BS 4514 / 5255 / 4660



Soil Pipe - BS 4514				
Nominal size mm (inch)	Outside Diameter (D) mm		Wall Thickness (t) mm	
	Minimum	Maximum	Minimum	Maximum
82 (3")	82.4	82.8	3.2	3.8
110 (4")	110.0	110.4	3.2	3.8
160 (6")	160.0	160.6	3.2	3.8

Waste Pipe - BS 5255				
Nominal size mm (inch)	Outside Diameter (D) mm		Wall Thickness (t) mm	
	Minimum	Maximum	Minimum	Maximum
32 (1 1/4")	36.15	36.45	1.8	2.2
40 (1 1/2")	42.75	43.05	1.9	2.4
50 (2")	55.75	56.05	2.0	2.4

Waste Pipe - Cold Water				
Nominal size mm (inch)	Outside Diameter (D) mm		Wall Thickness (t) mm	
	Minimum	Maximum	Minimum	Maximum
32 (1 1/4")	36.15	36.45	1.8	2.2
40 (1 1/2")	42.75	43.05	2.3	2.4
50 (2")	55.75	56.05	2.4	2.9

- Note: 1. Pipe are offered in Terrain Grey (TG), Off White (OW) and Light Grey (LG) colour in standard length of 3.0 / 4.0 meter
 2. Pipes can be offered with both ends plain or with one end socketed for solvent weld jointing
 3. Non Standard wall-thickness, length and colour can be offered, if desired

Waste Pipe - BS 4660				
Nominal size mm (inch)	Outside Diameter (D) mm		Wall Thickness (t) mm	
	Minimum	Maximum	Minimum	Maximum
110 (4")	110.0	110.4	3.2	3.8
160 (6")	160.0	160.6	4.1	4.8

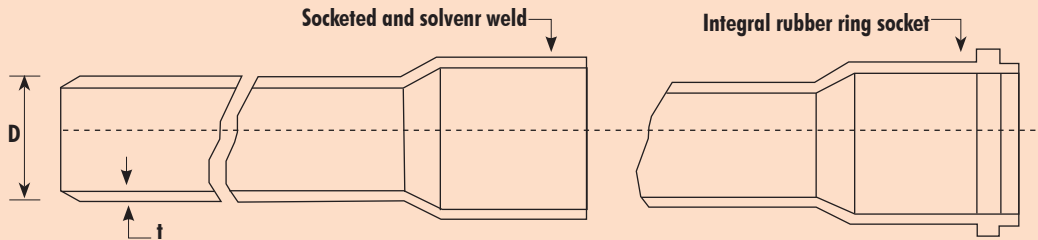
Waste Pipe - Cold Water				
Nominal size mm (inch)	Outside Diameter (D) mm		Wall Thickness (t) mm	
	Minimum	Maximum	Minimum	Maximum
200 (8")	200.0	200.6	4.9	5.6
250 (10")	250.0	250.7	6.1	7.0
315 (12")	315.0	315.9	7.7	8.7
400 (16")	400.0	401.0	9.8	11.0

- Note: 1. Pipe are offered in Golden Brown / Terracota (GB) colour in standard length of 5.8 / 6.0 meter
 2. Pipes can be offered with both ends plain or with one end socketed for solvent weld or one end with integral rubber ring socket (Elastomeric joint)
 3. Non Standard wall-thickness, length and colour can be offered, if desired

uPVC Drainage Pipes and Fittings - Metric Series

Doshi offers wide range of uPVC soil, waste & rainwater pipes and fittings as per Kenya Standard KS 06 - 217 : 1981. This range is available in integral rubber ring socket and solvent weld socket

uPVC pipes specification as per Kenya Standard KS 06 - 217 : 1981



Nominal outside Diameter (D) mm	Outside Diameter of pipe and spigot		Minimum Wall Thickness (t)	
	Minimum	Maximum	Class 41	Class 34
110	110.0	110.4	3.0	3.2
160	160.0	160.6	3.9	4.7
200	200.0	200.6	4.9	5.9
250	250.0	250.8	6.1	7.3
315	315.0	315.9	7.7	9.2
400	400.0	401.0	9.8	11.7
500	500.0	501.0	12.2	14.6
630	630.0	631.0	15.4	18.4

Dimensions in millimetres

uPVC pipes specification as per German Standard DIN 19534

Nominal size mm	Outside Diameter (D) mm		Wall Thickness (t) mm	
	Minimum	Maximum	Minimum	Maximum
110	110.0	110.3	3.0	3.5
160	160.0	160.4	3.6	4.2
200	200.0	200.4	4.5	5.2
250	250.0	250.5	6.1	7.0
315	315.0	315.6	7.7	8.7
400	400.0	400.7	9.8	11.0

- Note:
1. Pipe are offered in Light Grey (LG) colour in standard length of 3.0 / 5.8 / 6.0 meter pipes are with integral rubber ring socket at one end
 2. Pipes can be offered with both ends plain or with one end socketed for solvent weld jointing
 3. Non standard wall-thickness, length and colour can be offered, if desired



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.

DOSHI 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.

Rainwater Pipes

DOSHI Rainwater Piping System has been developed to meet the need of construction industry for a reliable piping system for channeling rainwater from the roof to the drains. The system is suitable for all applications and types of building, including domestic, commercial and industrial.

As the scope of BS 4576: Part 1: 1989 for Rainwater Goods & Accessories covers rainwater pipes in nominal sizes from 63mm to 110mm only, additional sizes and classes of rainwater pipes have been incorporated in the DOSHI Rainwater Piping System to meet different requirements of BS 4514, BS 4576, BS 4660, MS 979/2 and DIN 8061.

The Light-Duty pipe is intended for exposed installation on the buildings that do not exceed two storeys in height, such as terrace houses or low-rise shop-houses. The Medium-Duty is intended for exposed installation on building exceeding two storeys while the Heavy-Duty is designed with higher ring stiffness for use in pipework to be encased in reinforced concrete (RC) columns.

