

# 2.00

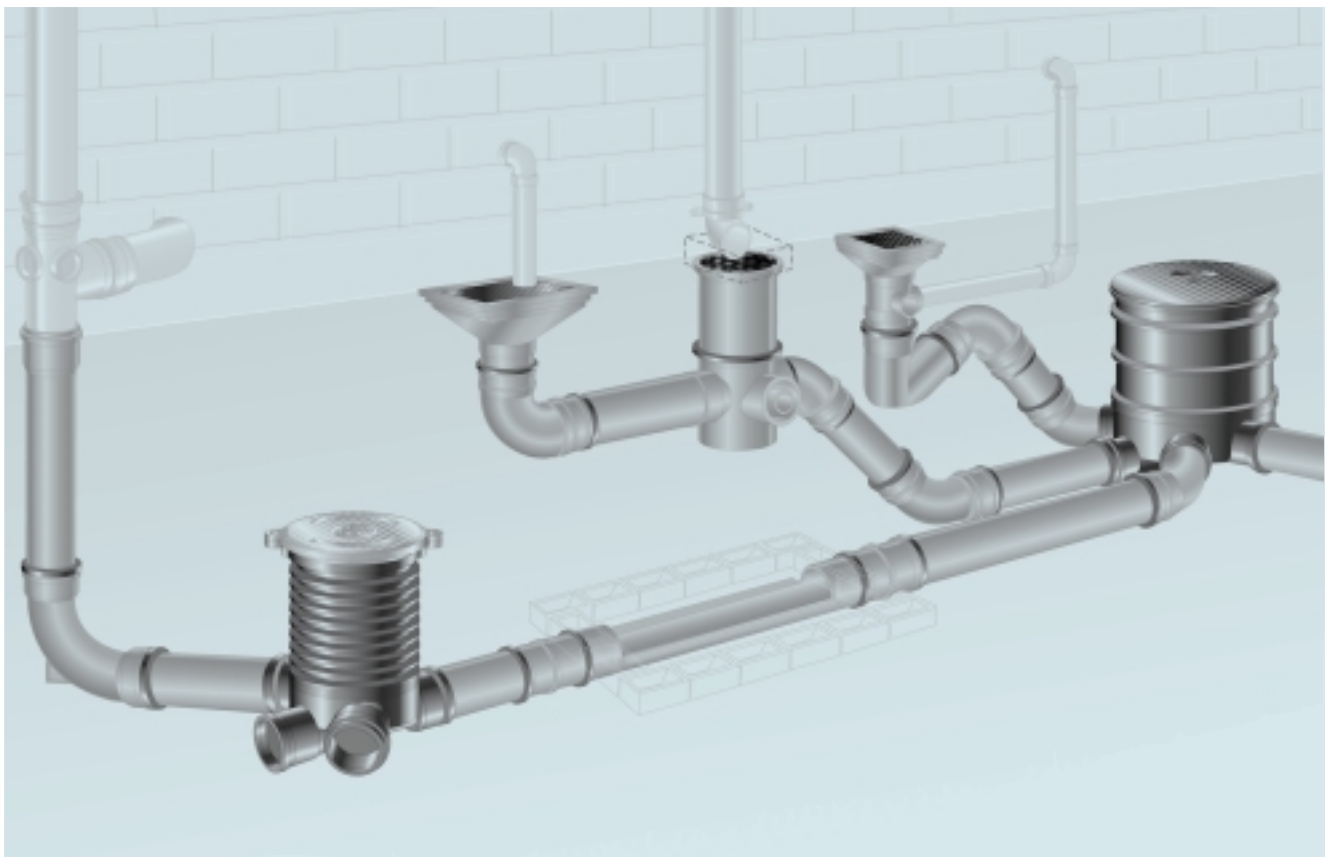
# UNDERGROUND DRAINAGE

## Hunter Underground Systems

- 2.01 Pipe
- 2.02 Sockets
- 2.03 Access Fittings
- 2.04 Junctions
- 2.05 Bends-Short Radius
- 2.06 Bends-Long Radius
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- 2.14 Drain Leafguard
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- 2.16 Inspection Chambers



**DRAIN**



### Colours

Black	Grey	Van Dyke Brown	White
●	●	●	●

General colour range - see Hunter Trade Price List or website for specific colour availability.

# 2.01

## Pipe

### UNDERGROUND SYSTEM PIPE

#### Plain Ended

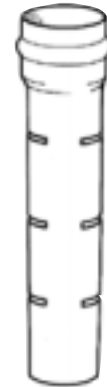
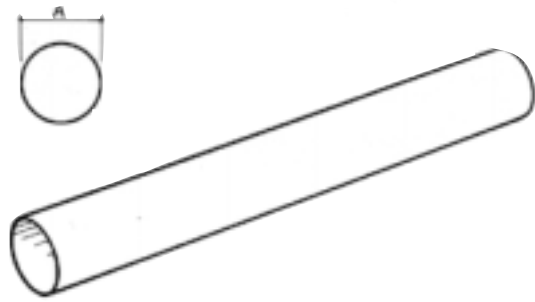
Size	Length	Code	A
110mm	3m	DS505	110
110mm	6m	DS544	110
160mm	3m	DS534	160
160mm	6m	DS545	160

#### Single Socketed

Size	Length	Code	A
110mm	3m	DS508	110
110mm	6m	DS549	110
160mm	3m	DS548	160
160mm	6m	DS550	160

#### Single Socket-Land Drainage

Size	Length	Code	A
110mm	6m	DS546	110
110mm	6m	DS547	110



# 2.02

## Sockets

### UNDERGROUND SYSTEM SOCKETS

#### Single

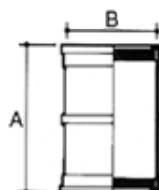
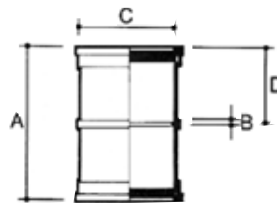
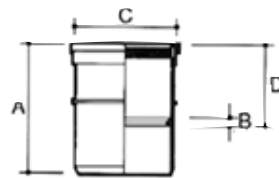
Size	Code	A	B	C	D
110mm	DS208	126	10	32	72
160mm	DS406	175	5	90	97

#### Double

Size	Code	A	B	C	D
110mm	DS211	150	3	32	72
160mm	DS409	185	3	90	97

#### Slip Coupling

Size	Code	A	B		
110mm	DS212	150	132		
160mm	DS410	190	190		



# 2.03

## Fittings

### UNDERGROUND SYSTEM ACCESS FITTINGS

#### Rodding Access/Solvent Tail

Size	Code	A	B	C
110mm	DS667	20	50	125

#### Rodding Access/Spigot Tail

Size	Code	A	B	C
110mm	DS246	20	63	125
160mm	DS421	40	86	196

#### Access Plug Colour GB

Size	Code	A	B
110mm	DS214	65	138
160mm	DS411	40	86

#### Rodding Access Bend 87 1/2°

Size	Code	A	B	C
110mm	DS326	175	180	77

#### Rodding Point - Expansion Tail

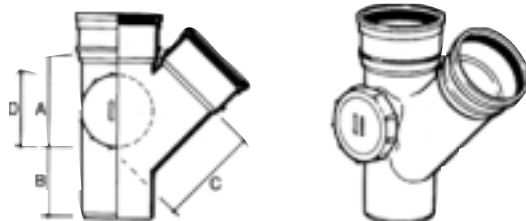
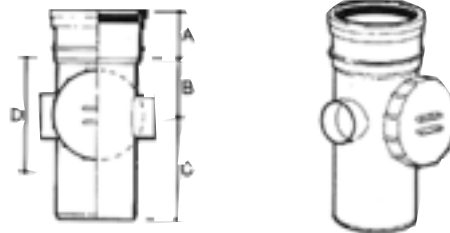
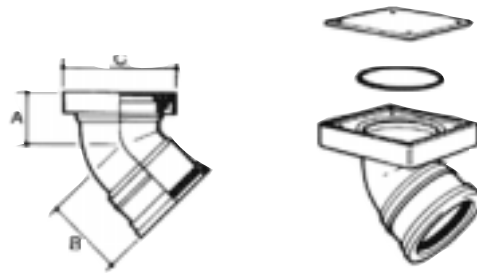
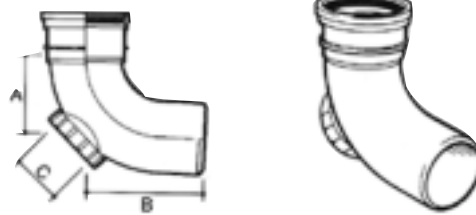
Size	Angle	Code	A	B	C
110mm	45°	DS670	90	115	150

#### Rodding Access Pipe Spigot Tail

Size	Code	A	B	C	D
110mm	DS309	68	80	155	125
160mm	DS472	105	55	140	125

#### Rodding Access Junction/Spigot Tail

Size	Angle	Head	Code	A	B	C	D
110mm	45°	L/H	DS680	145	85	155	125
110mm	45°	R/H	DS681	145	85	155	125



# 2.04

## Junctions

### UNDERGROUND SYSTEM JUNCTIONS

#### Single Equal Exp. Skts/Spigot Tail

Size	Angle	Code	A	B	C
110mm	87 $\frac{1}{2}$ °	DS269	58	155	85
110mm	45°	DS278	140	107	140
160mm	45°	DS430	200	135	200
160mm	45°	DS427	85	265	155

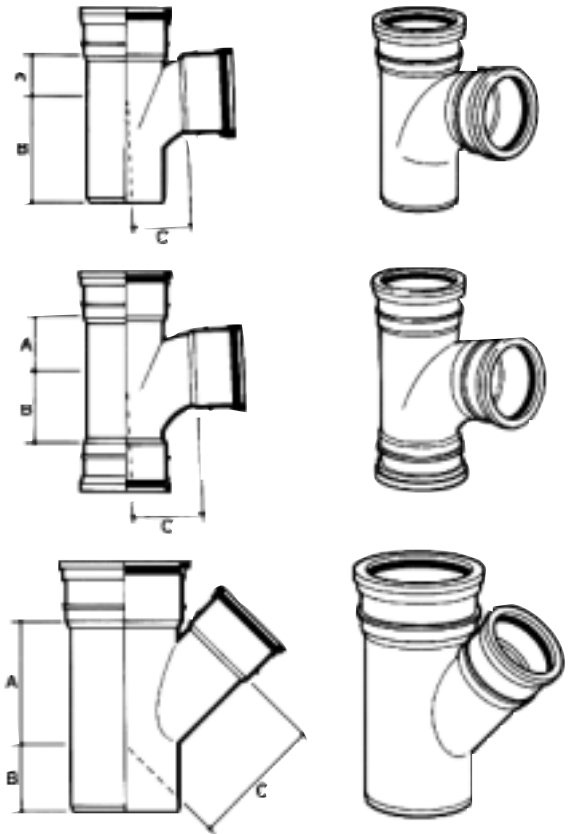
(DS278 has 2 x 110mm upstands )

#### Single Equal Expansion Sockets/Exp. Tail

Size	Angle	Code	A	B	C
110mm	87 $\frac{1}{2}$ °	DS672	82	98	106
110mm	45°	DS678	140	42	140
160mm	45°	DS428	310	105	197

#### Single Unequal-Exp. Skts/Spigot

Size	Angle	Code	A	B	C
160 x 110mm	45°	DS471	190	80	200



# 2.05

## Bends - Short Radius

### UNDERGROUND SYSTEM BENDS - SHORT RADIUS

#### Adjustable Bend

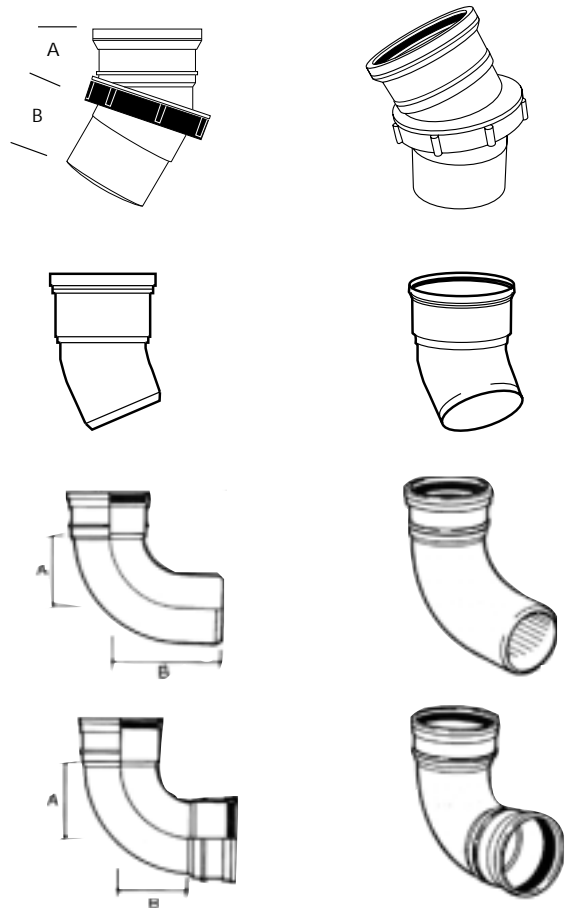
Size	Angle	Code	A	B
110mm	5° - 30°	DS329	118	103

#### Expansion Socket/Spigot Tail

Size	Angle	Code	A	B
110mm	87 $\frac{1}{2}$ °	DS322	95	180
110mm	45°	DS331	38	95
110mm	30°	DS318	25	82
110mm	20°	DS696	30	85
110mm	10°	DS697	40	80
160mm	87 $\frac{1}{2}$ °	DS403	45	230
160mm	45°	DS404	60	135
160mm	30°	DS418	41	107
160mm	15°	DS408	30	105

#### Expansion Socket/Expansion Tail

Size	Angle	Code	A	B
110mm	87 $\frac{1}{2}$ °	DS671	100	100
110mm	45°	DS676	35	35
110mm	30°	DS675	25	25
110mm	20°	DS674	20	15
110mm	10°	DS673	15	10
160mm	87 $\frac{1}{2}$ °	DS431	120	120
160mm	45°	DS432	47	47



# 2.06

## Bends - Long Radius

### UNDERGROUND SYSTEM BENDS - LONG RADIUS

#### 110mm - 456mm Radius/160mm - 686mm

Size	Angle	Code	A
110mm	87 $\frac{1}{2}$ °	DS555	610
110mm	45°	DS557	665
160mm	87 $\frac{1}{2}$ °	DS556	787
160mm	45°	DS558	885

#### 110mm - 300mm Radius

Size	Angle	Code	A
110mm	20°	DS662	360
110mm	10°	DS661	300

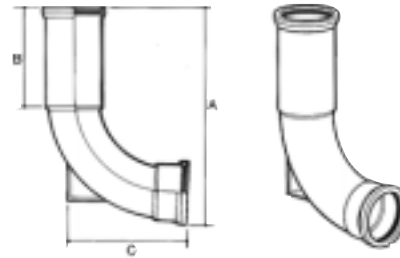
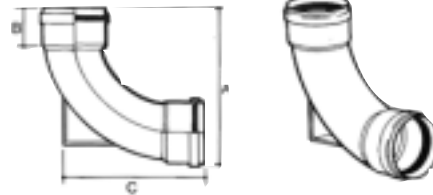
#### Rest Bend - 200mm Radius

Size	Angle	Code	A	B	C
110mm	87 $\frac{1}{2}$ °	DS663	310	70	250

#### Rest Bend - Triple Exp. Skt - 200mm Radius

Size	Angle	Code	A	B	C
110mm	87 $\frac{1}{2}$ °	DS664	450	210	254

(Ideally suited to ground susceptible to movement)



# 2.07

## Reducers

### UNDERGROUND SYSTEM REDUCERS

#### Level Invert

Size	Code	A	B	C
110 x 82mm	DS633	110	65	82
160 x 110mm	DS433	160	82	110



# 2.08

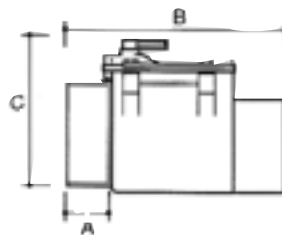
## Non Return Valves

### UNDERGROUND SYSTEM NON RETURN VALVE

#### Non Return Valves

Size	Code	A	B	C
110mm	DS342	61	270	215
160mm	DS442	74	334	256

(Suitable to areas susceptible to flash flooding)



# 2.09

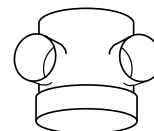
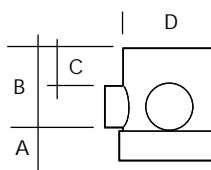
## Short Boss Pipe

### UNDERGROUND SYSTEM SHORT BOSS PIPE

#### Short Boss Pipe

Size	Code	A	B	C	D
110mm	DS30	30	85	30	110

(For use with Hoppers)



# 2.10

## Drain Connectors

### UNDERGROUND SYSTEM DRAIN CONNECTORS

#### Finned Tail for Universal Connection

Size	Code	A	B
110mm	S121	63	65

#### PVCu to C.I. BS437 Skt.

Size	Code	A	B
160mm	DS348	104	96

#### PVCu to Thickwall Clay Pipe

Size	Code	A	B
110mm	DS350	65	68

#### PVCu to Thin Wall Clayware Spigots

Size	Code	A	B
110mm	DS351	50	70

#### PVCu to GVC or CI Pipe

Size	Code	A	B
110mm	DS553	68	150

#### Inspection Chamber to Clayware Adaptors

Size	Code	A	B	C	D	E
110 x 130mm (Thick Wall Clay)	DS347	136	110	20	45	67
110 x 128mm (Thin Wall Clay)	DS348	123	110	20	45	67

NB. Clay adaptors allow Hunter Inspection Chambers to be used with Clayware pipework

### UNDERGROUND SYSTEM DRAIN CONNECTORS

#### Multi-Purpose Adaptor

Size	Code	Colour	A	B	C
110mm	DS24	Black	33	140	110

Flexible - External use only for 32mm - 82mm diameter

### UNDERGROUND SYSTEM DRAIN CONNECTORS

#### Waste Adaptor

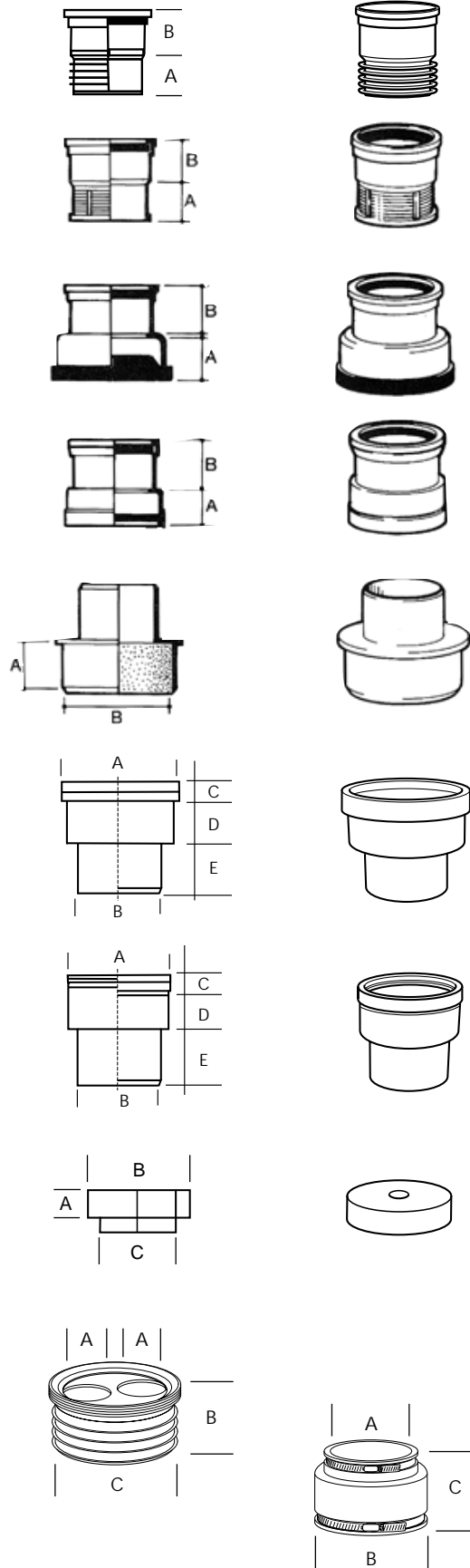
Size	Code	Colour	A	B	C
110mm	DS25	Black	42	55	110

Flexible - 32/40mm

#### 'Eazisleeve' PVCu to Clay Pipe Adaptor

Size	Code	Colour	A	B	C
110mm	DS26	Black	127	147	102
160mm	DS27	Black	178	211	120

(Complete with S/steel clips)



# 2.11

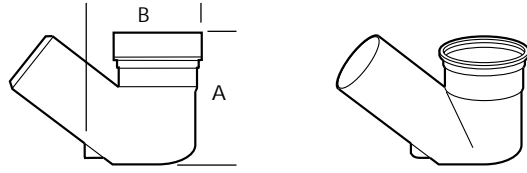
# Gullies & Traps

## UNDERGROUND SYSTEM GULLIES AND TRAPS

### Multi Gully Trap

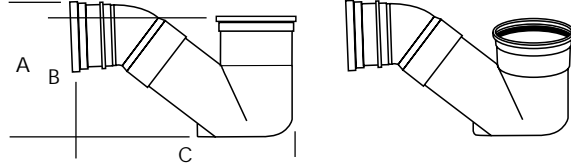
Size	Code	A	B	C
110mm	DS12	185	295	220

(Use with standard Hunter 45°/90° Bends to form P, S or Q traps)



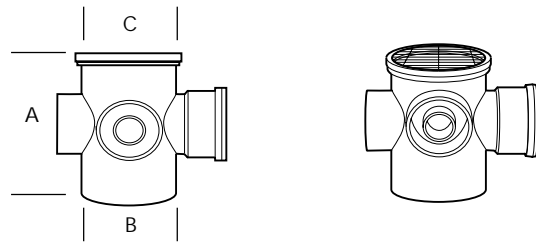
### P Trap

Size	Code	A	B	C
110mm 90°	DS1	270	185	385



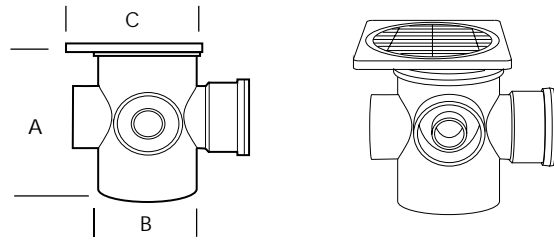
### Bottle Gully Circular Top

Size	Angle	Code	A	B	C
110mm	87½°	DS46	264	185	148



### Square Top Bottle Gully

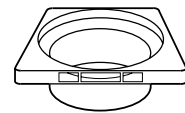
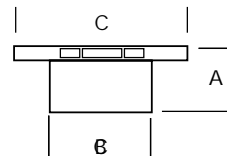
Size	Code	A	B	C
110mm	DS49	297	185	198



### Square Top Accessory

Size	Code	A	B	C
110mm	DS54	80	160	198

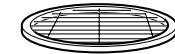
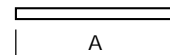
NB. Use with DS46



### Circular Grid Spare

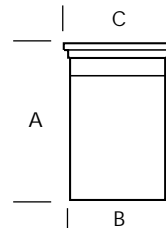
Size	Code	A
110mm	DS55	175

NB. Use with DS46, DS49 and DS54



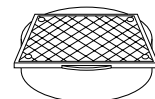
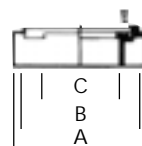
### Raising Piece for DS46, DS49 & DS54

Size	Code	A	B	C
160mm	DS48	370	160	180



### 150mm x 150mm Sealed Access

Size	Code	A	B	C
Also fits 110/160mm pipes	DS47	175	160	110



# 2.12

## Gully Accessories

### UNDERGROUND SYSTEM GULLY ACCESSORIES

#### Square Grating

Size	Code	Colour	A
150 x 150mm	DS20	Black	13

#### Back Inlet Plate

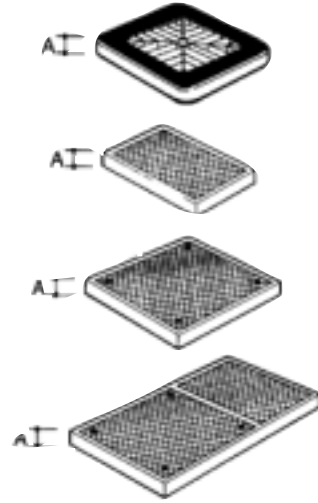
Size	Code	Colour	A
150 x 100mm	DS11	Black	13

#### Sealed Cover Plate

Size	Code	Colour	A
150 x 150mm	DS22	Black	13

#### Sealed Back Inlet Plate

Size	Code	Colour	A
250 x 150mm	DS10	Black	13



# 2.13

## Square Hopper

### UNDERGROUND SYSTEM SQUARE HOPPER

#### Square Hopper

Size	Code	A	B	C	D
110mm	DS3	60	30	-	164
110mm	DS2	60	35	235	164
110mm	DS4	60	35	240	160

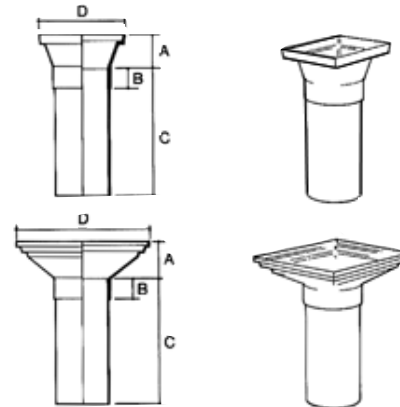
DS3 - Solvent Socket Tail    DS2 - 230mm Spigot Tail

#### Back Inlet Hopper

Size	Code	A	B	C	D
110mm	DS7	75	30	-	273
110mm	DS6	75	-	235	273
110mm	DS8	70	35	245	275

NB. C dimension includes pipe section

DS7 - Solvent Socket Tail    DS6 - 230mm Spigot Tail



# 2.14

## Drain Leaf Guard

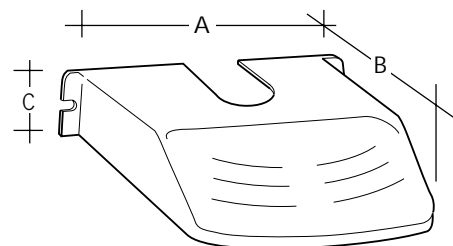
### UNDERGROUND SYSTEM DRAIN LEAF GUARD

#### Drain Leaf Guard

Size	Code	A	B	C
110mm	DS500	319	300	87

Accepts Rainwater Pipes up to 110mm diameter.

To cover drains up to 300mm wide x 265mm



# 2.15

## Channel Pipe Plain Ended

### UNDERGROUND SYSTEM CHANNEL PIPE

#### Pipe-Plain Ends

Size	Code	A	B
110mm	DS559	1500	635
160mm	DS560	1545	620

NB. Flanges supplied loose

#### Bends Short Radius - 3/4 Section 45°

Size	Hand	Code	A
110mm	L/H	DS561	175
110mm	R/H	DS563	175

NB. L/H shown

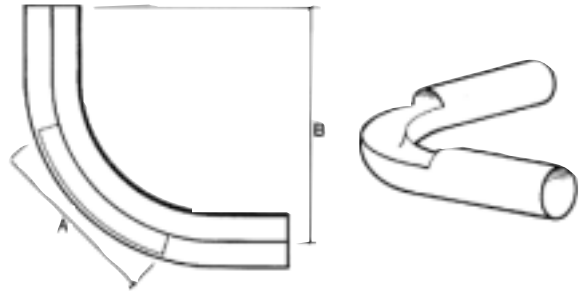
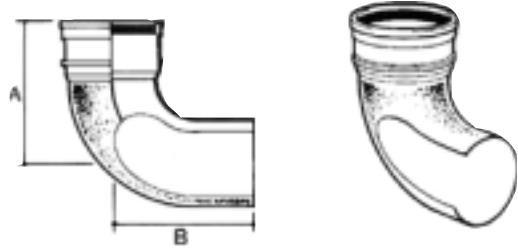
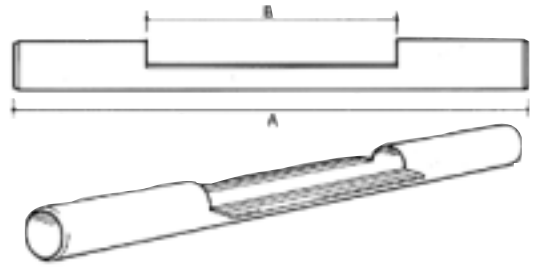
#### Bends Short Radius - 3/4 Section 87 1/2°

Size	Hand	Code	A	B
110mm	L/H	DS567	95	180
110mm	R/H	DS568	95	180

NB. RH shown

#### Single Equal Branch-Exp. Skts/Spigot Tail

Size	Angle	Radius	Code	A	B	C
110mm	87 1/2°	455mm	DS566	370	610	227



# 2.16

## Inspection Chambers

### UNDERGROUND SYSTEM INSPECTION CHAMBERS

#### EQUAL 110mm INSPECTION CHAMBER SYSTEM

##### 450mm Chamberbase 263mm Invert

Size	Invert Depth	Code	A	B
110mm	278mm	DS50	476	600

NB. Sockets supplied with 3 Blanking Plugs (No additional seals required)

#### UNEQUAL 160mm INSPECTION CHAMBER SYSTEM

##### 450mm Unequal Chamberbase 360mm Invert

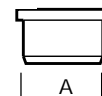
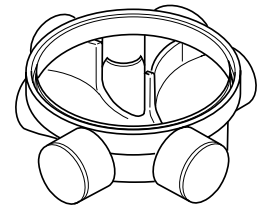
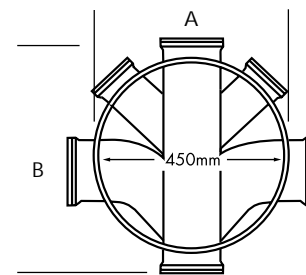
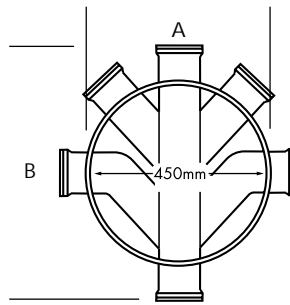
Size	Invert Depth	Code	A	B
160x110mm	360mm	DS66	472	660

DS66 Side sockets supplied with blanking plugs

#### Spare Blanking Plug

Size	Code	A
110mm	DS56	110

NB. For use with DS50 and DS71 Chamber bases

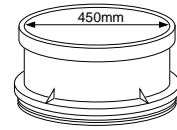
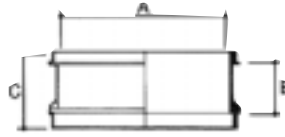


# 2.16

## Inspection Chambers cont-

### Inspection Chamber Raising Piece (160mm effective height)

Invert Depth	Code	A	B	C
163mm	DS58	455	115	160



### Chamberbase Seal for DS66 Base to first Riser only

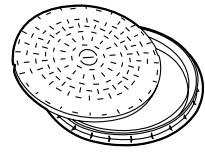
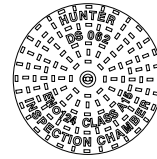
Size	Code
160mm	DS67

(For DS66 Base to first Riser only)



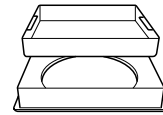
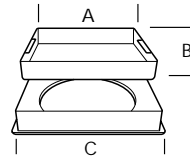
### Cover and Frame

Size	Code
Durable polypropylene, 3.5 tonnes wheel load suits pedestrian areas/domestic driveways. Lockable cover complies with building regs part H	DS62



### Square to Round Access Cover (for block paving)

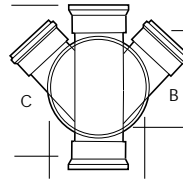
Size	Code	A	B	C
110mm	DS65	530	530	580



### SHALLOW ACCESS CHAMBER - CHAMBERBASE 140MM INVERT 250mm x 110mm Chamberbase (Polypropylene)

Size	Invert Depth	Code	A	B	C
110mm	278mm	DS71	250	376	425

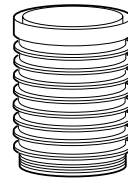
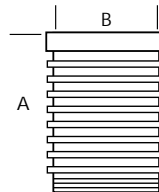
NB. Sockets supplied with 2 Blanking Plugs, no additional seals required



### Raising Piece (205mm effective height)

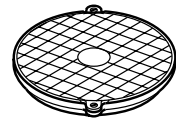
Size	Invert Depth	Code	A	B
110mm	130mm	DS72	235	250

NB. 2 Risers form 600mm overall height



### Aluminium Frame and Cover

Size	Code	A
150mm	DS39	30



### PVCu Frame and Cover - Round (Sealed Unit)

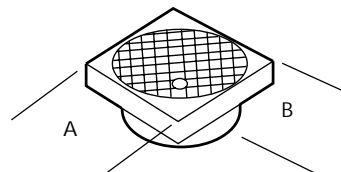
Size	Code	A
250mm	DS69	91

NB. Suitable for Internal and External uses



### PVCu Frame and Cover - Square

Size	Code	A	B
250mm	DS68	320	258



### Rubber 'O' Ring to form Sealed Access for DS39 only

Size	Code
250mm	DS40

(For DS39 only)

