

**HDPE SEWAGE&DRAINAGE FITTING**

[www.smartjoint.net](http://www.smartjoint.net)



# Siphonic Drainage System

- Siphonic drainage is actually very simple in principle and all systems work in exactly the same way. Baffle plates inserted in the outlets restrict air entering the top of the system which, when combined with carefully sized pipe work, causes the system, horizontal and vertical, to run full. In a very similar way to a simple tube siphon (such as you would use to empty a fish tank), the action of water dropping down the down pipe will cause a negative pressure to form at the top. This negative pressure can be harnessed to suck water along a collector pipe installed horizontally connecting the outlets at high level.

The benefits this gives are:

Each gutter will have only one or two down pipes, and these can be located at the end of the building, allowing free use of floor space by eliminating down pipes and therefore reducing columns.

The horizontal collector pipe can be very close to gutter, allowing full use of internal space.

Underground drainage can be eliminated internally in building, and can be significantly reduced externally, which can provide considerable cost savings and enhance construction programmed on all sites, and particularly contaminated ones.

Siphonic drainage will allow water to be delivered at a designated point at shallow depth, which can significantly reduce the construction costs, especially for pond based solutions.

Jiln songjiang produce a complete range of pipes, fittings, and other spare parts for Siphonic Drainage System.

# Kitchen & Toilet Drainage System

- With the improvement of the drainage of kitchen and toilet, the traditional ground drainage system begins to show various shortcomings, the drainage exchange of the up and down stairs, the odor exposed from floor drains, sewers, the hidden dangers of water leakage and many other problem need be resolved. When the design on the wall drainage system appears, it makes the drainage of kitchen and toilet reach a new height, thus solving the above problems and making the substantial savings of water.
- The whole system includes four major parts:

HDPE sewage fittings & pipes

Concealed cistern

Floor drains & trap

Flush control plate

Jilin songjiang produce a complete range of pipes, fittings, hidden cistern, and other spare parts for Kitchen & Toilet Drainage System.

In 2017, Smart Joint has developed popular sizes Electrofusion fittings such elbow, tee, reducer, ect. compare to spigot fittings in the past, it save the cost and easier for the installation.

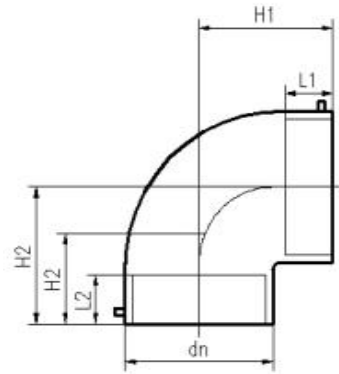
# Electrofusion Bend 90°

PE100 SDR26

CJ/T 250-2007

ISO 8770:2003

EN 1519-1:1999



Dn(mm)	H1 (mm)	H2 (mm)	L1 (mm)	L2 (mm)
50	55	55	40	40
75	65	65	40	40
110	72	72	40	40

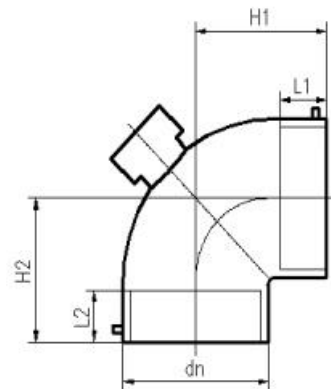
# Electrofusion Bend 90° with Access Plug

PE100 SDR26

CJ/T 250-2007

ISO 8770:2003

EN 1519-1:1999

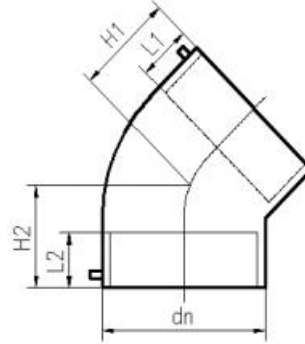


Dn(mm)	H1 (mm)	H2 (mm)	L1 (mm)	L2 (mm)
50	55	55	40	40
75	65	65	40	40
110	72	72	40	40

# Electrofusion Bend 45°

PE100 SDR26

CJ/T 250-2007  
ISO 8770:2003  
EN 1519-1:1999

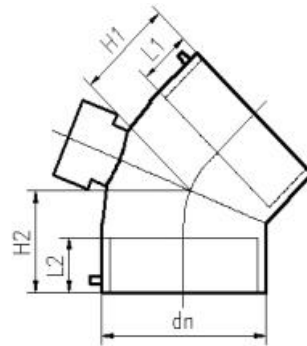


Dn(mm)	H1 (mm)	H2 (mm)	L1 (mm)	L2 (mm)
50	55	55	40	40
75	65	65	40	40
110	97	97	40	40

# Electrofusion Bend 45° with Access Plug

PE100 SDR26

CJ/T 250-2007  
ISO 8770:2003  
EN 1519-1:1999



Dn(mm)	H1 (mm)	H2 (mm)	L1 (mm)	L2 (mm)
50	55	55	40	40
75	65	65	40	40
110	97	97	40	40

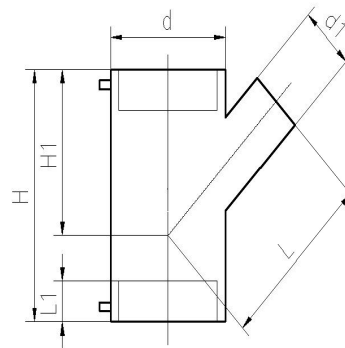
# Electrofusion Y Branch

PE100 SDR26

CJ/T 250-2007

ISO 8770:2003

EN 1519-1:1999



Dn(mm)	H (mm)	H1 (mm)	L (mm)	L1 (mm)
50-50	160	110	120	40
75-50	195	145	140	40
75-75	195	140	140	40
110-50	210	158	160	40
110-75	210	155	160	40
110-110	210	150	160	40

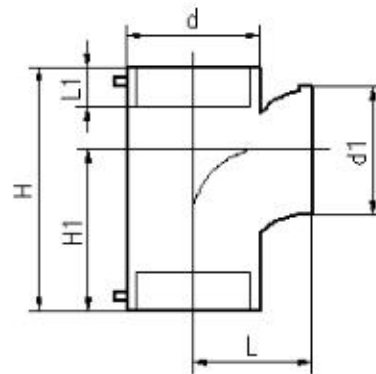
# Electrofusion Swept Tee

PE100 SDR26

CJ/T 250-2007

ISO 8770:2003

EN 1519-1:1999



Dn(mm)	H (mm)	H1 (mm)	L (mm)	L1 (mm)
50-50	135	75	75	40
75-50	157	82	86	40
75-75	157	91	85	40
110-50	160	95	103	40
110-75	160	95	103	40
110-110	193	102	108	40

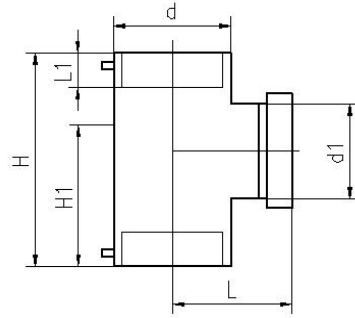
# Electrofusion Access Branch

PE100 SDR26

CJ/T 250-2007

ISO 8770:2003

EN 1519-1:1999



Dn(mm)	H (mm)	H1(mm)	L(mm)	L1 (mm)
50				
75	157	86	86	40
110	197	100	107	40

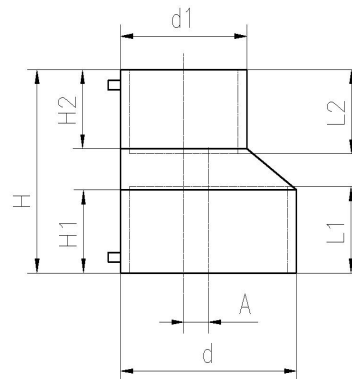
# Electrofusion Eccentric Reducer

PE100 SDR26

CJ/T 250-2007

ISO 8770:2003

EN 1519-1:1999



Dn(mm)	H (mm)	H1 (mm)	L1 (mm)	H2(mm)	L2 (mm)
75-50	85	41	40	37	40
110-50	88	41	40	39	40
110-75	88	41	40	39	40
110-90	88	41	40	39	40

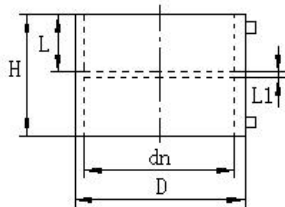
# Electrofusion Coupler

PE100 SDR26

CJ/T 250-2007

ISO 8770:2003

EN 1519-1:1999



Dn(mm)	H(mm)	L(mm)	L1(mm)	Pcs/Box
50	53	26	1.5	540
56	53	26	1.5	477
63	53	26	1.5	279
75	53	26	1.5	290
90	53	26	1.5	216
110	58	27	2	120
125	63	31	2	90
160	63	31	2	50
200	121	60	3	16
225				
250	131	65	4	9
280				
315				

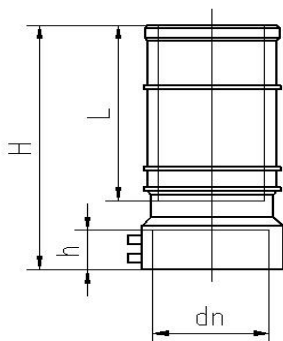
# Electrofusion Expansion Scket

PE100 SDR26

CJ/T 250-2007

ISO 8770:2003

EN 1519-1:1999



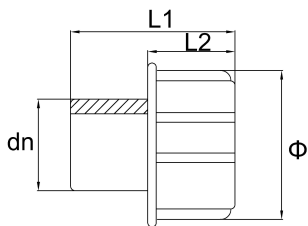
Dn(mm)	H (mm)	h (mm)	L (mm)
75			
110	237	50	155



# Access Plug

CJ/T 250-2007  
ISO 8770:2003  
EN 1519-1:1999

PE100 SDR26

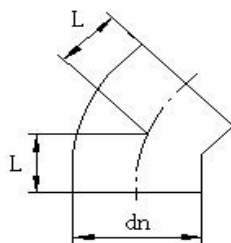


Dn(mm)	Φ(mm)	L1(mm)	L2(mm)	Pcs/Box
50	83	59.6	33.1	315
63	98.3	64	41.7	192
75	120.2	88.1	45	100
90	129.6	50.3	33.5	140
110	146.5	54.1	33	130
160	175	74	41	
200	175	77	41	

# Bend 45°

CJ/T 250-2007  
ISO 8770:2003  
EN 1519-1:1999

PE100 SDR26

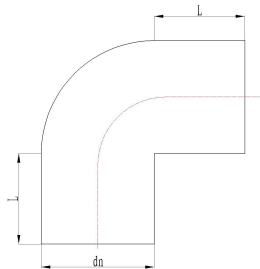


Dn(mm)	L(mm)	Pcs/Box
50	45	400
56	50	
63	51	
75	70	170
90	90	100
110	95	60
125	115	50
160	219	25
200	120	
250	120	
315	143	

# Bend 90° Long Spigot

PE100 SDR26

CJ/T 250-2007  
ISO 8770:2003  
EN 1519-1:1999

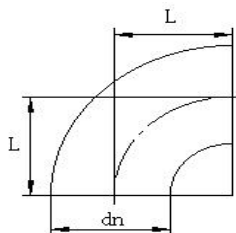


Dn(mm)	L(mm)	Pcs/Box
50	37	
56	37	
63	42	
75	39	
90	44	
110	45.5	
125	43.5	
160	47.5	
200	48	
250	52.5	
315	52.5	

# Bend 90° Short Spigot

PE100 SDR26

CJ/T 250-2007  
ISO 8770:2003  
EN 1519-1:1999

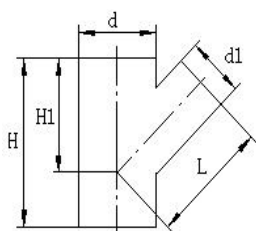


Dn(mm)	L(mm)	Pcs/Box
50	45	500
56	56	
63	62.5	
75	70	150
90	90	75
110	95	40
125	115	30
160	219	15
200	156	

# Y-branch 45°(135°)

CJ/T 250-2007  
ISO 8770:2003  
EN 1519-1:1999

PE100 SDR26

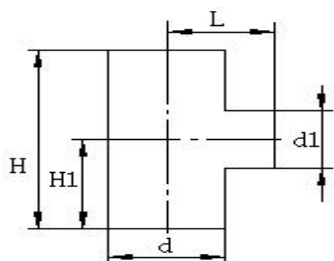


Dn(mm)	H(mm)	H1(mm)	L(mm)	Pcs/Box
50×50×50	145	98	110	170
75×50×75	165	115	112	
75×75×75	190	130	140	64
90×50×90	240	160	180	36
90×56×90	240	160	180	36
90×63×90	240	160	180	36
90×75×90	240	160	180	36
90×90×90	240	160	180	27
110×50×110	270	194	194	27
110×63×110	270	194	190	25
110×75×110	270	188	190	25
110×90×110	270	182	185	25
110×110×110	270	178	180	20
125×63×125	280	212	215	18
125×75×125	280	205	208	18
125×90×125	280	205	206	18
160×56×160	310	243	250	10
160×63×160	310	270	272	10
160×75×160	310	256	260	10
160×90×160	375	261	260	10
160×110×160	375	246	250	9
160×160×160	375	240	237	9
200×75×200	275	252	255	9
200×90×200	275	276	280	9
200×110×200	275	270	275	8
250×90×250	275	275	280	8
250×110×250	310	210	247	
250×160×250	310	225	252	
250×200×250	351	250	285	
315×110×315	415	305	315	
315×160×315	319	245	294	
315×200×315	370	270	315	
315×250×315	445	360	358	

# Branch 88.5°(91.5°)

CJ/T 250-2007  
ISO 8770:2003  
EN 1519-1:1999

PE100 SDR26

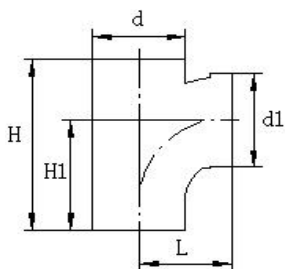


Dn(mm)	H(mm)	H1(mm)	L(mm)	Pcs/Box
75×50×75	95	85	50	95
90×50×75	105	97	50	48
90×75×90	105	97	75	48
110×50×110	125	106	50	30
110×75×110	125	106	75	30
110×90×110	125	106	90	30

# Swept Branch 91.5°(88.5°)

CJ/T 250-2007  
ISO 8770:2003  
EN 1519-1:1999

PE100 SDR26

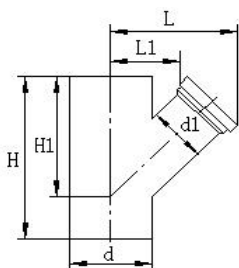


Dn(mm)	H(mm)	H1(mm)	L(mm)	Pcs/Box
50×50×50	148	91	73	210
75×50×75	131.5	75.5	78	
75×75×75	194	114	82	75
110×50×110	221	135	94	30
110×75×110	226	138	120	25
110×110×110	226	138	120	25
125×110×125	204	116	114	
160×110×160	221.5	124	132.5	
160×160×160	281.5	157	137	
200×110×200	242	135	150	

# Access Fitting 45°(135°)

PE100 SDR26

CJ/T 250-2007  
ISO 8770:2003  
EN 1519-1:1999

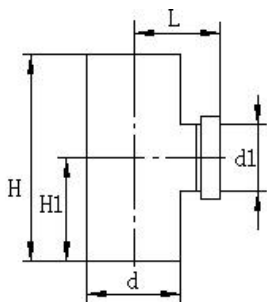


Dn(mm)	H(mm)	H1(mm)	L(mm)	Pcs/Box
50×50×50	145	98	140	
75×75×75	190	130	190	
90×90×90	240	160	210	
110×110×110	270	178	214	16
125×90×125	205	135	90	
160×110×160	246	165	110	8
200×110×160	270	180	110	

# Access Fitting 90°

PE100 SDR26

CJ/T 250-2007  
ISO 8770:2003  
EN 1519-1:1999

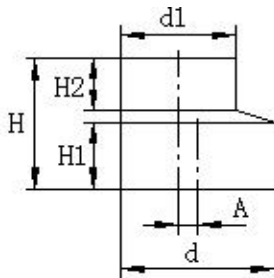


Dn(mm)	H(mm)	H1(mm)	L(mm)	Pcs/Box
75×50×75	175	95	125	
90×50×90	105	97	125	
90×75×90	200	105	130	
110×90×110	225	125	145	
110×110×110	207.5	103.8	118.5	

# Short Eccentric Reducer

PE100 SDR26

CJ/T 250-2007  
ISO 8770:2003  
EN 1519-1:1999

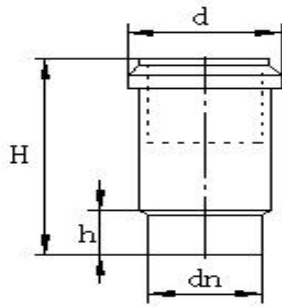


Dn(mm)	H(mm)	H1(mm)	H2(mm)	Pcs/Box
50×40	80	34	46	880
56×50	80	35	41	
63×50	82	35	48	590
63×56	74	34	40	540
75×50	74	34	40	290
75×56	77	34	42	450
75×63	80	39	34	420
90×56	80	36	38	290
90×63	80	34	42	290
90×75	73	34	38	290
110×50	79	34	45	200
110×56	79	33	33	200
110×63	80	33	46	200
110×75	72	34	37	200
110×90	73	34	32	200
125×75	83	38	36	160
125×90	83	33	41	160
125×110	78	33	37	160
160×110	80	33	46	90
160×125	78	33	44	90
200×160	146	38	42	30
250x110	154	79.5	58	
250x160	154	80	57	
250x200	152.6	80	57	
315x160	162	79	66	
315x200	157.5	78.5	62.5	
315x250	161.5	79	67	

# Expansion Socket

PE100 SDR26

CJ/T 250-2007  
ISO 8770:2003  
EN 1519-1:1999

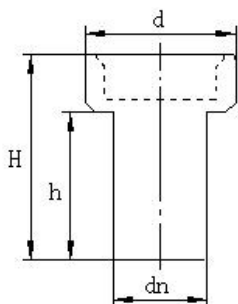


Dn(mm)	d(mm)	H1(mm)	h(mm)	Pcs/Box
75	92	92	23	160
90	120	206	48	40
110	135	204	36	30
160	160	160.6	264.5	76

# Adaptors With Female Thread

PE100 SDR26

CJ/T 250-2007  
ISO 8770:2003  
EN 1519-1:1999



Dn(mm)	d(mm)	H(mm)	h(mm)	Pcs/Box
56	88	116	82	160
63	80	112	57	
75	90	120	82	140
90	105	148	87	72

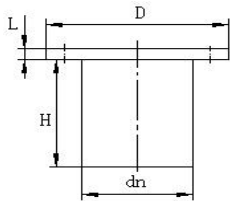
# Flange Adaptor

PE100 SDR26

CJ/T 250-2007  
ISO 8770:2003  
EN 1519-1:1999



Dn(mm)	D(mm)	L(mm)	H(mm)	Pcs/Box
63	105	8	80	160
110	113	8.5	150	60



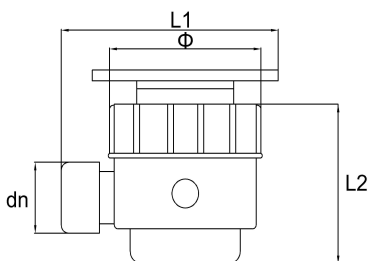
# Floor Drain

PE100 SDR26

CJ/T 250-2007  
ISO 8770:2003  
EN 1519-1:1999



Dn(mm)	L1(mm)	L2(mm)	Pcs/Box
50	130	87.3	
50	130	87.3	

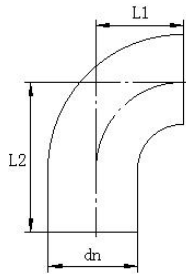




# Bend 90° With Long Tail

PE100 SDR26

CJ/T 250-2007  
ISO 8770:2003  
EN 1519-1:1999

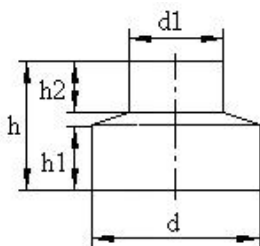


Dn(mm)	L1(mm)	L2(mm)	Pcs/Box
50	40	180	
75	70	210	
90	90	240	
110	100	270	

# Concentric Reducer

PE100 SDR26

CJ/T 250-2007  
ISO 8770:2003  
EN 1519-1:1999



Dn(mm)	L1(mm)	L2(mm)	H2(mm)	Pcs/Box
200×160	22.1	90	80	
250×200	23.8	100	100	
315×200	302	150	100	
315×250	31.8	150	110	
355×315	20.8	70	100	
400×250	23.7	50	100	
400×315	25.9	60	150	

# Electro-fusion Surround Coupling

PE100 SDR26

CJ/T 250-2007  
ISO 8770:2003  
EN 1519-1:1999

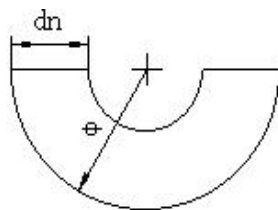


Dn(mm)	L(mm)
63	185
75	225
90	270
110	335
125	380
160	490

# U-Trap

PE100 SDR26

CJ/T 250-2007  
ISO 8770:2003  
EN 1519-1:1999

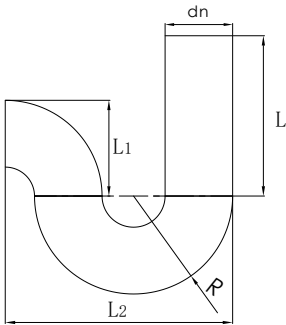


Dn(mm)	Φ(mm)	Pcs/Box
50	75	260
75	110	100
90	140	75
110	160	16

# P-Trap

PE100 SDR26

CJ/T 250-2007  
ISO 8770:2003  
EN 1519-1:1999

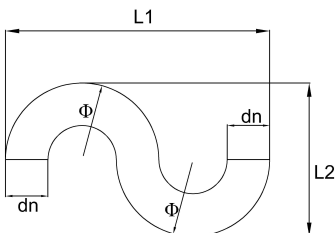


Dn(mm)	L(mm)	L1(mm)	L2(mm)	R	Pcs/Box
50	180	70	170	75	
75	180	108	253	110	
90	180	135	325	140	
110	180	150	360	160	

# S-Trap

PE100 SDR26

CJ/T 250-2007  
ISO 8770:2003  
EN 1519-1:1999



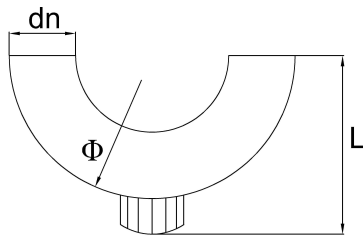
Dn(mm)	I1(mm)	L2(mm)	Pcs/Box
50	250	150	
75	373	224	
90	442	266	
110	530	320	

**U-Sewage trap**  
PE100 SDR26

CJ/T 250-2007  
ISO 8770:2003  
EN 1519-1:1999



Dn(mm)	Φ(mm)	L(mm)	Pcs/Box
50	75	100.8	
75	110	137.8	
90	140	158.8	
110	160	185.8	

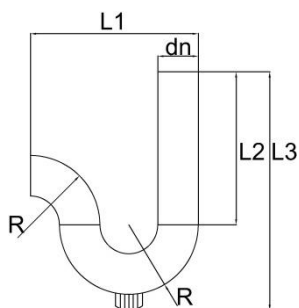


**P-Sewage trap**  
PE100 SDR26

CJ/T 250-2007  
ISO 8770:2003  
EN 1519-1:1999



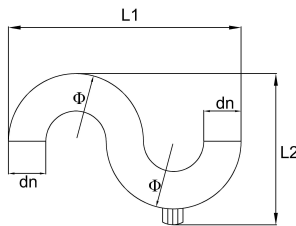
Dn(mm)	L1(mm)	L2(mm)	L3(mm)	R	Pcs/Box
50	170	180	280.8	75	
75	253	180	315.8	110	
90	325	180	345.8	140	
110	360	180	365.8	160	



# S-sewage trap

PE100 SDR26

CJ/T 250-2007  
 ISO 8770:2003  
 EN 1519-1:1999

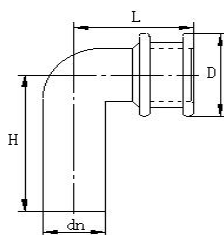


Dn(mm)	L1(mm)	L2(mm)	Pcs/Box
50	250	150	
75	373	224	
90	442	266	
110	530	320	

# Bend Waste Connector 90°

PE100 SDR26

CJ/T 250-2007  
 ISO 8770:2003  
 EN 1519-1:1999

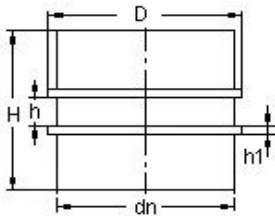


Dn(mm)	D(mm)	L(mm)	H(mm)	Pcs/Box
50	90	65	58	

# Anchor pipe

PE100 SDR26

CJ/T 250-2007  
ISO 8770:2003  
EN 1519-1:1999

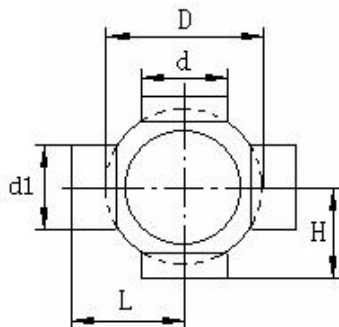


Dn(mm)	H(mm)	h(mm)	h1(mm)	Pcs/Box
200 (210)	141	47	15	18
250 (260)	201	47	20	8
315	205	38	16.5	

# Ball fitting(90° 135° 180° )

PE100 SDR26

CJ/T 250-2007  
ISO 8770:2003  
EN 1519-1:1999



Dn(mm)	D(mm)	H(mm)	L(mm)	Pcs/Box
110×50×110	172	35	52	16
110×63×110	170	35	52	16
110×75×110	167	35	52	16
110×90×110	164	35	52	16
110×110×110	160	35	52	16

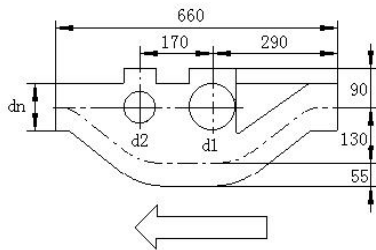
# Sovent Branch

PE100 SDR26

CJ/T 250-2007  
 ISO 8770:2003  
 EN 1519-1:1999



Dn(mm)	d1	d2	Pcs/Box
110	110	75	5



# Siphonic Floor Drain

PE100 SDR26

CJ/T 250-2007  
 ISO 8770:2003  
 EN 1519-1:1999



Dn(mm)	Pcs/Box
56	
90	
110	

# Tiger Clip

Cast Iron

CJ/T 250-2007  
ISO 8770:2003  
EN 1519-1:1999



Size(mm)
25

# Horizontal Pipe Clamp

Q235 Iron

CJ/T 250-2007  
ISO 8770:2003  
EN 1519-1:1999



Size(mm)
63
75
90
110
125
160
200
250
315



**Riser Pipe Clamp**  
Q235 Iron

CJ/T 250-2007  
ISO 8770:2003  
EN 1519-1:1999



Size(mm)
63
75
90
110
125
160
200
250
315

**Installation Piece**  
Q235 Iron

CJ/T 250-2007  
ISO 8770:2003  
EN 1519-1:1999



Size(mm)
M10
M20

**Siphon Pipe Clamp**  
Q235 Iron

CJ/T 250-2007  
ISO 8770:2003  
EN 1519-1:1999



Size(mm)
50
75
110
160

**Fire Collars**  
Iron

CJ/T 250-2007  
ISO 8770:2003  
EN 1519-1:1999



Size(mm)
75
110
160

**Square Steel Connector**  
Q235 Iron

CJ/T 250-2007  
ISO 8770:2003  
EN 1519-1:1999



Size(mm)
30

**Triangular Plug**  
Q235 Iron

CJ/T 250-2007  
ISO 8770:2003  
EN 1519-1:1999



Size(mm)
30

**Square Steel Suspension Pipe Clamp**  
Q235 Iron

CJ/T 250-2007  
ISO 8770:2003  
EN 1519-1:1999



Size(mm)
30