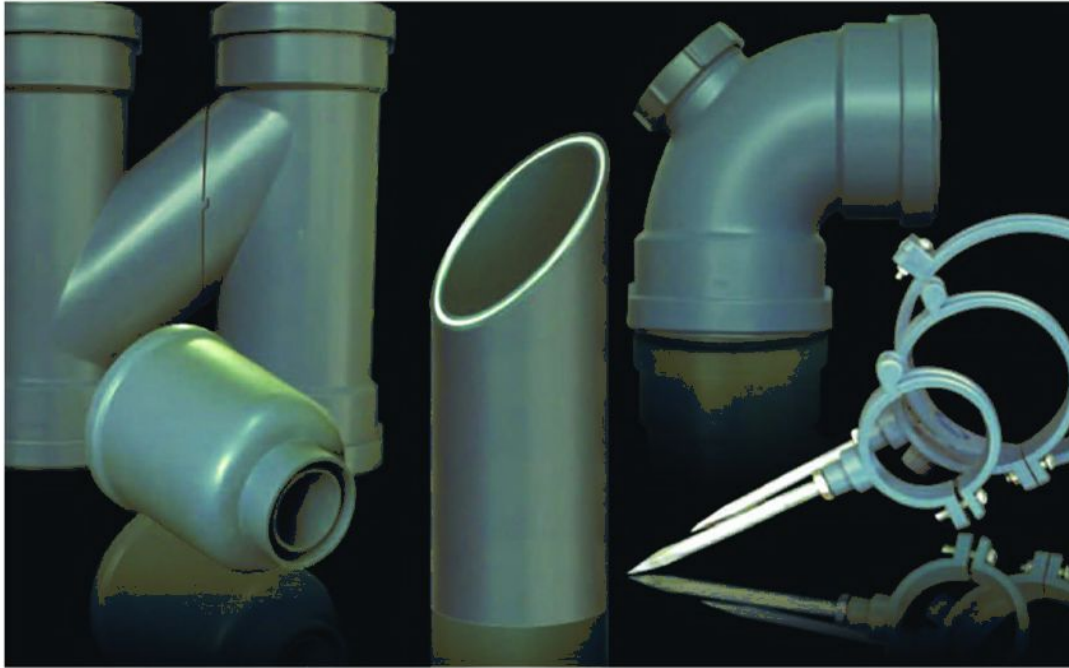




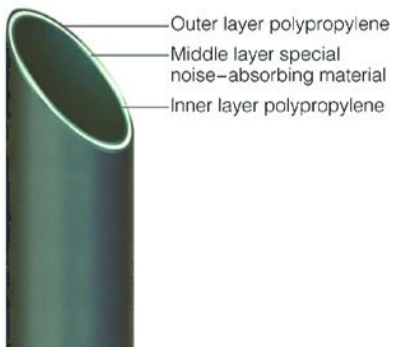
**WEIFANG PALCONN PLASTICS TECHNOLOGY CO.,LTD**



## Three layer PP super soundproof drainage pipe



### I .Pipe composition



### II .Pipe size ranging

Ltem No.	DN(mm)	EN(mm)
PAL-PP50	50	3.2
PAL-PP75	75	3.8
PAL-PP110	110	4.5
PAL-PP160	160	5.0

### III .Pipe performance:

Test Item	Unit	Value
Stiffness	KN/m <sup>2</sup>	≥ 12
Surface density	g/cm <sup>3</sup>	0.95
Limit bending stress	N/mm <sup>2</sup>	42.12
Drop hammer impact test TIR	20°C	≤ 10%
Longitudinal retraction rate	%	≤ 3%, no breakage
Joint seal test	No leakage and breakage at the joint	
Oven test	No blistering and cracking	
Elongation at tear(%)	800	
Vicat Softening term.	Below 1kg	≥ 150°C
Noise	dB	40–50

### IV .Noise level comparison between pipes

Pipe Name	PVC-U	Cast Iron Pipe	Super soundproof pipe
Material	PVC	Cast iron	Special sound absorbing material
Density(g/cm <sup>3</sup> )	1.4	7.8	1.3–1.9
Pipe thickness(mm)	3.2	5.5	4.5
Noise leve(Db)	37	25	17

### III .Pipe performance:

Super Silent drainage products has advantages of lightweight,non-toxic,flame retarcant,corrosion resistance, aging resistance and high resistance performance.

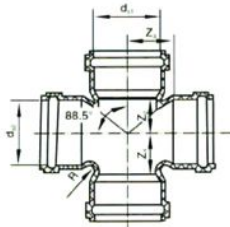
- 5.1. Excellent soundproof performance:by adding special soundproof material to absorb sound waves and prevent sound spread,noise reduction is much better than case iron & UPVC drainage pipe.
- 5.2. Super anti corrosion:Inner tube can resist acid up to PH2,resist alkali up to PH12
- 5.3. High temperature resistance:can bare 95°C hot water.

### III .Pipe performance:

Can be used to drainage system of:office building,hospital,hotel,residential district,villa,embassy building,hot spring drainage water,etc

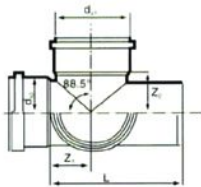
### III .Pipe performance:

- 7.1. Drainage water flow impacts pipe wall causing vibration of the pipe.
- 6.2. Drainage water flow causes the rapid compression of the air arising noise.
- 6.3. Noise of the drainage water flow.



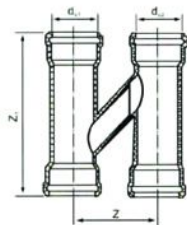
**Cross**

OD(mm)	Z1	Z2	Z3	R
110x110	64	63	72	30
160x110	61	54	93	30
200x160				



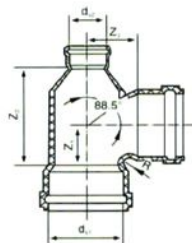
**Rectangular Cross**

OD(mm)	L (mm)	Z1(mm)	Z2(mm)
110x110	196	66	66
160x110	204	64	92



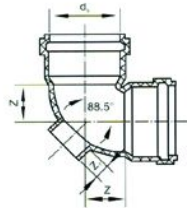
**H-shaped Fitting**

OD(mm)	OD2(mm)	Z1	Z2
110	75		180
110	110	325	180
160	110	345	180



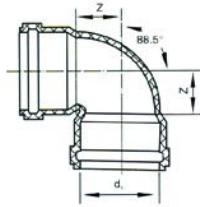
**Bottleneck Tee**

OD(mm)	Z1	Z2	Z3	R
110x50	62	117	71	30



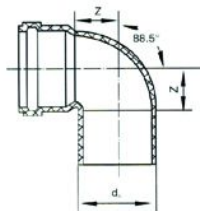
**90° Elbow (double flaring w/checking door)**

OD(mm)	Z
50	36
110	58



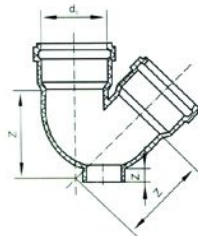
**90° Elbow (double flaring)**

OD(mm)	Z
75	42
160	88
200	



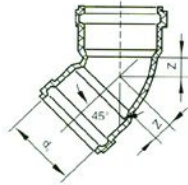
**90° Elbow (single flaring)**

OD(mm)	Z
50	36
110	58



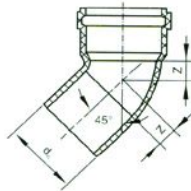
**Trap (w/checking door)**

OD(mm)	Z	Z
50	60	16
110	140	20



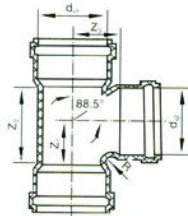
**45° Elbow (double flaring)**

OD(mm)	Z
75	15
160	33
200	



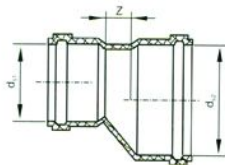
**45° Elbow (single flaring)**

OD(mm)	Z
50	14
110	25



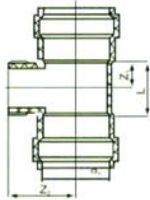
**Tee**

OD(mm)	Z1	Z2	Z3	R
50x50	33	54	35	15
75x50	34	80	48	20
75x75	45	77	52	20
110x50	32	49	62	30
110x75	43	79	70	30
110x110	63	117	72	30
160x110	66	115	93	30
160x160	89	165	104	35
200x200				



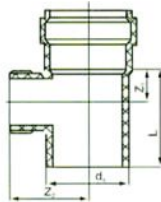
**Reducing Coupler**

OD(mm)	Z
75x50	20
110x50	39
110x75	26
160x110	57.5
200x160	



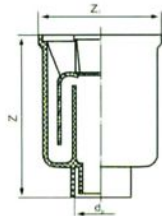
**Checking Door ( double flaring )**

OD(mm)	L	Z1	Z2
160	235	85	108
200			



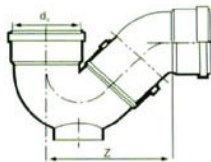
**Checking Door (single flaring )**

OD(mm)	L	Z1	Z2
75	135	40	58
110	180	58	75



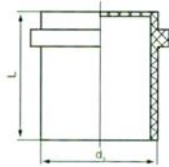
**Floor Drain (square)**

OD(mm)	Z1	Z2
50	123	102



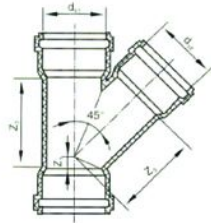
**P-shaped Trap**

OD(mm)	Z
50	115
110	196



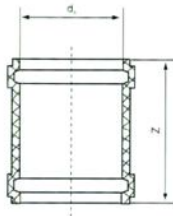
**End Cap**

OD(mm)	L
50	60
75	63
110	67
160	60
200	



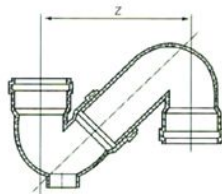
**Lateral Tee**

OD(mm)	Z1	Z2	Z3
75x50	11	83	80
75x75	15	119	105
110x50	-17	79	109
110x75	-2	125	128
110x110	23	157	134
160x110	0	164	174
200x160			



**Coupler**

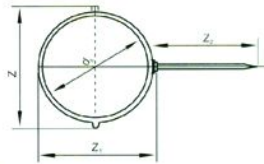
OD(mm)	Z
50	106
75	109
110	119
160	150
200	



**S-shaped Trap**

OD(mm)	Central Distance
50	140
110	255





**Clamp**

OD(mm)	Z1	Z2	Z3
50	82	75	110 150
75	107	100	110 150
110	148	143	110 150
160	205	198	110 150
200			



**Permeability Cap**

Size(mm)			
75	110	160	200

**Connecting steps**

<p>step 1</p>	<p>cut the pipe as per the demanded length, and remove the burr</p>	<p>step 2</p>	<p>insert the pipe to the bottom interface of the fitting and mark it(black line in the picture, and then taking the pipe by 6-12mm(slightly less in summer) and make the 2dn mark(red line in the picture)</p>
<p>step 3</p>	<p>clean inside and outside of the pipe, coated with lubricant(never use oil or grease</p>	<p>step 4</p>	<p>put the special seal ring to the fitting, coated with lubricant</p>
<p>step 5</p>	<p>hit the fitting to the second mark(red line)</p>	<p>PP fittings, very easy to connect</p>	



[www.palconn.com](http://www.palconn.com)



**WEIFANG PALCONN PLASTICS TECHNOLOGY CO.,LTD**

ADD:YINMA INDUSTRIAL ZONE,WEIFANG,SHANDONG,CHINA

ZIP CODE:261317

TEL:0086-536-8798363

FAX:0086-536-8650536

E-MAIL:[info@palconn.cn](mailto:info@palconn.cn)

WEB:<http://www.palconn.com>