



# POLIRAN ETTESAL

PE-HD Soil and Waste Weld System



- . Lower Cost
- . Resistant to chemicals
- . Simple to fit and Install
- . Low maintenance and blockage trouble
- . Light weight



### *Introduction*

As a leader manufacturer, **Poliran Ettesal** started its activities in *1971* by making its first range of products.

Deep attention to quality requirement and constant products development as well as making use of proper materials and up to date technology based on many years of experience and knowledge of experienced experts, have kept Poliran Ettesal at the forefront in the field of manufacturing various polyethylene and Polypropylene pipes and fittings in Iran.

**Poliran Ettesal** whose management principles and working practices are in respect of ISO 9001 in addition to its full range of PE-HD Soil and Waste system, PP-Compression fittings, weldable flanges, clamp saddles, bubbler and micro irrigation lateral line fittings, makes soil and waste PP, PUSH FIT (both ordinary and Silent) systems.

**The whole collection of Poliran products  
comply with all relevant international standards.**



**PE-HD Soil and Waste Weld System**

**Now Available**

*A trustable option in sewage system for buildings:*

- Towers
- Houses
- Hospitals
- Industries
- Labs





*Life Time Guaranteed  
Save Money  
Save Time ...*

### **PE-HD Soil and Waste Weld System**

Enjoy the advantages of new technology with Poliran Ettesal sewers:

- . Lower Cost
- . Resistant to chemicals
- . Simple to fit and Install
- . Low maintenance and blockage trouble
- . Light weight



## Expansion Joint (short)



Expansion Joint (short)	50	112-050-01	70
	63	112-063-01	45
	75	112-075-01	30
	90	112-090-01	24
	110	112-110-01	12
	125	112-125-01	7
	160	112-160-01	9

## Expansion Joint (long)



Expansion Joint (long)	63	12-063-02	30
	75	12-075-02	20
	90	12-090-02	12
	110	12-110-02	7
	125	12-125-02	6
	160	12-160-02	6
	200	12-200-02	4
	250	12-250-02	2

## Coupling



Coupling	53	118-063-00	44
	75	118-075-00	-
	90	118-090-00	-
	110	118-110-00	-

## Reducer



Reducer	63 x 50	13-063-50	120
	75 x 50	13-075-50	140
	75 x 63	13-075-63	115
	90 x 63	13-090-63	84
	90 x 75	13-090-75	84
	110 x 63	13-110-63	60
	110 x 75	13-110-75	60
	110 x 90	13-110-90	48
	125 x 110	13-125-110	28
	160 x 110	13-160-110	22
	160 x 125	13-160-125	22



**90° Tee**



90° Tee			
	50 x 50 x 50	14 - 050 - 90	72
	63 x 50 x 63	063 - 050 - 90	35
	63 x 63 x 63	14 - 063 - 90	35
	75 x 75 x 75	14 - 075 - 90	18
	90 x 50 x 90	14 - 090 - 90	15
	110 x 63 x 110	10 - 063 - 90	10
	110 x 110 x 110	14 - 110 - 90	8
	125 x 125 x 125	14 - 125 - 90	6
	160 x 110 x 160	60 - 110 - 90	6
	160 x 160 x 160 (4)	14 - 160 - 90	6
	160 x 160 x 160 (4)	214 - 160 - 90	6

**45° Tee**



45° Tee			
	50 x 50 x 50	114 - 050 - 45	50
	63 x 50 x 63	063 - 050 - 45	28
	63 x 63 x 63	114 - 063 - 45	25
	75 x 63 x 75	075 - 063 - 45	15
	75 x 75 x 75	114 - 075 - 45	15
	90 x 63 x 90	090 - 063 - 45	12
	90 x 90 x 90	114 - 090 - 45	10
	110 x 63 x 110	110 - 063 - 45	8
	110 x 75 x 110	110 - 075 - 45	8
	110 x 90 x 110	110 - 090 - 45	6
	110 x 110 x 110	114 - 110 - 45	6
	125 x 110 x 125	125 - 110 - 45	4
	125 x 125 x 125	114 - 125 - 45	4
	160 x 110 x 160	160 - 110 - 45	5
	160 x 160 x 160	114 - 160 - 45	5

**Access Tee 45° - 90°**



Access Tee 45° - 90°			
	63 - 45°	15 - 063 - 45	20
	63 - 90°	15 - 063 - 90	26
	110 - 90°	15 - 110 - 90	8

## Access Cap



Access Cap			
Access Cap	50	116 - 050 - 00	-
	63	116 - 063 - 00	75
	75	116 - 075 - 00	-
	90	116 - 090 - 00	-
	110	116 - 110 - 00	34
	125	116 - 125 - 00	-

## 90° Elbow 4, 6 and 10 Atm



90° Elbow 4, 6 & 10 Atm			
90° Elbow 4, 6 & 10 Atm	50 x 50 (4)	132 - 050 - 90	100
	63 x 63 (4)	132 - 063 - 90	48
	75 x 75 (4)	132 - 075 - 90	40
	90 x 90 (4)	132 - 090 - 90	25
	110 x 110 (4)	132 - 110 - 90	16
	125 x 125 (4)	132 - 125 - 90	8
	160 x 160 (4)	132 - 160 - 90	6
	160 x 160 (6)	232 - 160 - 90	6
	160 x 160 (10)	332 - 160 - 90	-

## 45° Elbow



45° Elbow			
45° Elbow	50	132 - 050 - 45	95
	63	132 - 063 - 45	70
	75	132 - 075 - 45	40
	90	132 - 090 - 45	25
	110	132 - 110 - 45	15
	125	132 - 125 - 45	10
	160	132 - 160 - 45	8

**Temporary Plug**



Temporary Plug	50	09C - 050 - 00	-
	63	09C - 063 - 00	240
	75	09C - 075 - 00	220
	90	09C - 090 - 00	150
	110	09C - 110 - 00	130
	125	09C - 125 - 00	-
	160	09C - 160 - 00	-

**Test Plug**



Test Plug	50	081 - 050 - 00	500
	63	081 - 063 - 00	300
	75	081 - 075 - 00	250
	90	081 - 090 - 00	150
	110	081 - 110 - 00	90
	125	081 - 125 - 00	65
	160	081 - 160 - 00	40
		160 x 160 (6)	232 - 160 - 90
	160 x 160 (10)	332 - 160 - 90	-

**Duble Branch**



Duble Branch	63 x 63 x 63 x 63	17 - 063 - 00	5
	110 x 110 x 110 x 110	17 - 110 - 00	4
	75	132 - 075 - 45	40
	90	132 - 090 - 45	25
	110	132 - 110 - 45	15
	125	132 - 125 - 45	10
	160	132 - 160 - 45	8



## Tubular "S" Outlet



Tubular "S" Outlet	Size (mm)	Code	Quantity
	50	150 - 050 - 00	40
	63	150 - 063 - 00	24
	75	150 - 075 - 00	12
	90	150 - 090 - 00	7
	110	150 - 110 - 00	6

## Double Branch



Double Branch	Size (mm)	Code	Quantity
	63 x 63 x 63	119 - 063 - 00	18
	110 x 110 x 110	119 - 110 - 00	-

## Pipe Clip



	Size (mm.)	Code
Under Ceiling Clip	40	066 - 040 - 01
	50	066 - 050 - 01
	75	066 - 075 - 01
	100	066 - 100 - 01
	125	066 - 125 - 01
	160	066 - 150 - 01
	Size (mm.)	Code
Wall Clip	50	066 - 050 - 00
	75	066 - 075 - 00
	100	066 - 100 - 00
	125	066 - 125 - 00
	160	066 - 150 - 00

**Pipe Clip System**

Poliran's pipe clip system is designed for general use both vertical (on walls) and horizontal (under ceiling) positions.

All clips are made of polymer-coated stainless steel and available for pipe with ND: 40 - 160 mm.

**The system is developed to:**

- Ensure secure and accurate installation.
- Prevent noise transmission.
- Eliminate vibrations.
- Make bolt and nut fixing easy and simple (nuts are fixed on the clips)

ND (mm)	Thickness (mm)	(P4) $\mu\text{m}$	Length (m)	W (kg/m)
50	2 +0.4	4	6	0.314
63	2.5 +0.5	4	6	0.494
75	2.9 +0.5	4	6	0.675
90	3.5 +0.6	4	6	0.978
110	4.3 +0.7	4	6	1.46
125	4.9 +0.7	4	6	1.88
160	6.2 +0.9	4	6	3.04

- Having national quality certificate
- In accordance with DIN 8074

## Pipes For Drainage Systems of Building





1

### Pipes and Fitting

First plan out the installation and ensure that pipes and fittings are to the correct size and quantity.



2

### Jointing

For best results ensure all joints are clean and the end of pipes have been cut square and are free from any dust, grease and burrs. To make a joint set the welding plate on appropriate temperature (200-230 c°) and let it get hot enough. Hold the ends of fitting and pipe against the plate and exert uniform pressure to both sides. When the edges of pipe and fitting are melted enough, remove the hot plate and hold the ends against each other lightly, exerting uniform pressure all around them for 1-3 minutes. After welding, let the joint be away from any tension at least for 10 minutes.



3

### Gradients and Supports

During installation, proper gradient must be included, and fitting and pipes be supported and fixed by clips, both vertically and horizontally.

*Quality is the main core of our activity*

*Making use of proper equipment and technology, high quality materials and knowledge of experienced team is the right way to our aim.*



*• Hydraulic Tests*

*Poliran Etesal places great emphasis on ensuring that all manufacturing processes are controlled.*



*• Proper Packing*

*Is another advantage of Poliran Etesal products which makes it possible to keep them away from physical damages and get the highest use of warehouse space.*

