



**POLIRAN ETTESAL**

Manufacturer of:

- Compression fittings
- Clamp saddles
- Welded flanges
- Micro irrigation lateral line fittings
- Emitters
- PE - HD Sewers welded fittings







## *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 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) and PE, weld systems.

The whole collection of Poliran Products comply with all relevant international standards. Same as manufacturing section, technical and irrigation department of Poliran is at the service.

Through submitting technical guidance, this section has always tried to help the farmers, orchard owners and other customers to make proper use of water and Soil resources.

*In the field of irrigation and water conveyance our main objectives are to help to:*

- *Increase irrigation efficiency*
- *Bring about more yield per unit area*
- *Obtain the higher rate of profit over expenses*

While keeping the water and soil resources away from pollution and degradation.


**Male Adaptor**


Description	Nom Dia (mm./inch)	Code	Pack
<b>Male Adaptor</b>	20 x 1/2"	010 - 020 - 02	150
	25 x 3/4"	010 - 025 - 03	100
	32 x 1"	010 - 032 - 10	100
	40 x 1 1/4"	010 - 040 - 11	45
	50 x 1 1/2"	010 - 050 - 12	30
	50 x 2"	010 - 050 - 20	30
	63 x 2"	010 - 063 - 20	20
	75 x 2"	010 - 075 - 20	11
	75 x 2 1/2"	010 - 075 - 22	11
	90 x 3"	010 - 090 - 30	9
	110 x 4"	010 - 110 - 40	8
	125 x 4"	010 - 125 - 40	6
	125 x 5"	010 - 125 - 50	6

**Female Adaptor**


Description	Nom Dia (mm./inch)	Code	Pack
<b>Female Adaptor</b>	20 x 1/2"	011 - 020 - 02	150
	25 x 3/4"	011 - 025 - 03	150
	32 x 1"	011 - 032 - 10	100
	40 x 1 1/4"	011 - 040 - 11	45
	50 x 1 1/2"	011 - 050 - 12	35
	63 x 2"	011 - 063 - 20	20
	75 x 2"	011 - 075 - 20	13
	75 x 2 1/2"	011 - 075 - 22	13
	90 x 3"	011 - 090 - 30	10
	110 x 4"	011 - 110 - 40	8
	125 x 4"	011 - 125 - 40	6
	125 x 5"	011 - 125 - 50	6

**Straight Coupling**


Description	Nom Dia (mm./inch)	Code	Pack
<b>Straight Coupling</b>	20 x 20	012 - 020 - 00	135
	25 x 25	012 - 025 - 00	96
	32 x 32	012 - 032 - 00	70
	40 x 40	012 - 040 - 00	30
	50 x 50	012 - 050 - 00	20
	63 x 63	012 - 063 - 00	12
	75 x 75	012 - 075 - 00	6
	90 x 90	012 - 090 - 00	6
	110 x 110	012 - 110 - 00	4
	125 x 125	012 - 125 - 00	3




**Reducing Coupling**


Description	Nom Dia (mm)	Code	Pack
Reducing Coupling	25 x 20	013-025-20	100
	32 x 20	013-032-20	80
	32 x 25	013-032-25	75
	40 x 25	013-040-25	50
	40 x 32	013-040-32	40
	50 x 32	013-050-32	30
	50 x 40	013-050-40	22
	63 x 32	013-063-32	18
	63 x 40	013-063-40	16
	63 x 50	013-063-50	14
	75 x 50	013-075-50	12
	75 x 63	013-075-63	9
	90 x 63	013-090-63	6
	90 x 75	013-090-75	6
	110 x 63	013-110-63	6
	110 x 75	013-110-75	6
110 x 90	013-110-90	4	
125 x 110	013-125-11	3	

**90° Elbow**


Description	Nom Dia (mm)	Code	Pack
90° Elbow	20 x 20	032-020-00	100
	25 x 25	032-025-00	80
	32 x 32	032-032-00	50
	40 x 40	032-040-00	26
	50 x 50	032-050-00	15
	63 x 63	032-063-00	9
	75 x 75	032-075-00	5
	90 x 90	032-090-00	4
	110 x 110	032-110-00	4
	125 x 125	032-125-00	4

**90° Elbow**
**with Threaded Male off Take**


Description	Nom Dia (mm,Inch)	Code	Pack
90° Elbow with Threaded Male off Take	20 x 1/2"	030-020-02	140
	25 x 3/4"	030-025-03	100
	32 x 1"	030-032-10	88
	40 x 1 1/4"	030-040-11	45
	50 x 1 1/2"	030-050-12	25
	63 x 1 1/2"	030-063-12	12
	63 x 2"	030-063-20	12
	75 x 2"	030-075-20	9
	75 x 2 1/2"	030-075-22	9
	90 x 2 1/2"	030-090-22	5
	90 x 3"	030-090-30	5
	110 x 3"	030-110-30	6
	110 x 4"	030-110-40	6


**Reducer Tee**


Description	Nom Dia (mm/inch)	Code	Pack
<b>90° Reducer Tee</b>	25 x 20 x 25	014-025-20	60
	32 x 20 x 32	014-032-20	40
	32 x 25 x 32	014-032-25	40
	40 x 25 x 40	014-040-25	20
	40 x 32 x 40	014-040-32	20
	50 x 32 x 50	014-050-32	11
	50 x 40 x 50	014-050-40	10
	63 x 32 x 63	014-063-32	8
	63 x 40 x 63	014-063-40	7
	63 x 50 x 63	014-063-50	6
	75 x 50 x 75	014-075-50	5
	75 x 63 x 75	014-075-63	7
	90 x 63 x 90	014-090-63	4
	90 x 75 x 90	014-090-75	4
	110 x 63 x 110	014-110-63	3
	110 x 75 x 110	014-110-75	3
	110 x 90 x 110	014-110-90	2
	125 x 90 x 125	014-125-90	2
125 x 110 x 125	014-125-11	2	

**90° Tee**
**with Threaded Male off Take Branch**


Description	Nom Dia (mm/inch)	Code	Pack
<b>90° Tee with Threaded Male off Take Branch</b>	20 x 1/2" x 20	040-020-02	60
	25 x 1/2" x 25	040-025-02	60
	25 x 3/4" x 25	040-025-03	60
	32 x 1/2" x 32	040-032-02	50
	32 x 3/4" x 32	040-032-03	50
	32 x 1" x 32	040-032-10	50
	40 x 1" x 40	040-040-10	24
	40 x 1 1/4" x 40	040-040-11	24
	50 x 1 1/4" x 50	040-050-11	14
	50 x 1/2" x 50	040-050-12	14
	63 x 1" x 63	040-063-10	8
	63 x 1 1/2" x 63	040-063-12	8
	63 x 2" x 63	040-063-20	8
	75 x 1 1/2" x 75	040-075-12	6
	75 x 2" x 75	040-075-20	6
	75 x 2 1/2" x 75	040-075-22	6
	90 x 2" x 90	040-090-20	8
	90 x 2 1/2" x 90	040-090-22	8
	90 x 3" x 90	040-090-30	8
	110 x 3" x 110	040-110-30	3
	110 x 4" x 110	040-110-40	3
	125 x 4" x 125	040-125-40	3
	125 x 5" x 125	040-125-50	3



## 90° Tee

with Threaded Female off Take Branch



Description	Nom Dia. (mm./Inch)	Code	Pack
90° Tee with Threaded Female off Take Branch	20 x 1/2" x 20	041 - 020 - 02	80
	25 x 1/2" x 25	041 - 025 - 02	75
	25 x 3/4" x 25	041 - 025 - 03	75
	32 x 1/2" x 32	041 - 032 - 02	50
	32 x 3/4" x 32	041 - 032 - 03	50
	32 x 1" x 32	041 - 032 - 10	50
	40 x 1 1/4" x 40	041 - 040 - 11	26
	50 x 1 1/2" x 50	041 - 050 - 12	15
	63 x 2" x 63	041 - 063 - 20	10
	75 x 2" x 75	041 - 075 - 20	6
	75 x 2 1/2" x 75	041 - 075 - 22	6
	90 x 2" x 90	041 - 090 - 20	5
	90 x 2 1/2" x 90	041 - 090 - 22	5
	90 x 3" x 90	041 - 090 - 30	5
	110 x 3" x 110	041 - 110 - 30	4
110 x 4" x 110	041 - 110 - 40	4	

## 90° Tee



Description	Nom Dia. (mm./Inch)	Code	Pack
90° Tee	20 x 20 x 20	014 - 020 - 00	70
	25 x 25 x 25	014 - 025 - 00	50
	32 x 32 x 32	014 - 032 - 00	34
	40 x 40 x 40	014 - 040 - 00	16
	50 x 50 x 50	014 - 050 - 00	10
	63 x 63 x 63	014 - 063 - 00	7
	75 x 75 x 75	014 - 075 - 00	5
	90 x 90 x 90	014 - 090 - 00	4
	110 x 110 x 110	014 - 110 - 00	2
	125 x 125 x 125	014 - 125 - 00	2

## 90° Elbow

with Threaded Female off Take



Description	Nom Dia. (mm./Inch)	Code	Pack
90° Elbow with Threaded Female off Take	20 x 1/2"	031 - 020 - 02	112
	25 x 3/4"	031 - 025 - 03	112
	32 x 1"	031 - 032 - 10	80
	40 x 1 1/4"	031 - 040 - 11	40
	50 x 1 1/2"	031 - 050 - 12	22
	63 x 2"	031 - 063 - 20	13
	75 x 2"	031 - 075 - 20	6
	75 x 2 1/2"	031 - 075 - 22	8
	90 x 2 1/2"	031 - 090 - 22	5
	90 x 3"	031 - 090 - 30	5
	110 x 3"	031 - 110 - 30	4
110 x 4"	031 - 110 - 40	4	





## Compression Fittings (PP, Copolymer)

In addition to mentioned components, Flanged Adaptors have a metal ring 8 mm. thick, coated by a layer of chromium.

Description	Nom Dia (mm / inch)	Code	No. of Holes	Pack
<b>Flanged Adaptors</b>	63 x 2"	018 - 063 - 20	4	12
	75 x 2 1/2"	018 - 075 - 22	4	12
	90 x 3"	018 - 090 - 30	4	6
	90 x 4"	018 - 090 - 40	8	6
	110 x 4"	018 - 110 - 40	8	6
	125 x 5"	018 - 125 - 50		4



Description	Nom Dia (mm)	Code	Pack
<b>End Plug</b>	20	070 - 020 - 00	60
	25	070 - 025 - 00	40
	32	070 - 032 - 00	36
	40	070 - 040 - 00	45
	50	070 - 050 - 00	42
	63	070 - 063 - 00	24
	75	070 - 075 - 00	15
	90	070 - 090 - 00	9
	110	070 - 110 - 00	5
	125	070 - 125 - 00	3



Description	Nom Dia (mm)	Class	Code	Pack	
Welded Flanges are made of high density polyethylene (PE - HD) which is also resistant to solvents acids and alkaline	<b>Welded Flanges (6-10Atm)</b>	63	6 Atm	017-063-06	48
		63	10 Atm	017-063-10	48
		75	6 Atm	017-075-06	48
		75	10 Atm	017-075-10	48
		90	6 Atm	017-090-06	44
		90	10 Atm	017-090-10	44
		110	6 Atm	017-110-06	25
		110	10 Atm	017-110-10	25
		125	6 Atm	017-125-06	20
		125	10 Atm	017-125-10	20
		140	6 Atm	017-140-06	12
		140	10 Atm	017-140-10	12
		160	6 Atm	017-160-06	10
		160	10 Atm	017-160-10	10
		180	6 Atm	017-180-06	6
		180	10 Atm	017-180-10	6
		200	6 Atm	017-200-06	6
		200	10 Atm	017-200-10	6
		225	6 Atm	017-225-06	8
		225	10 Atm	017-225-10	8
250	6 Atm	017-250-06	6		
250	10 Atm	017-250-10	6		
315	6 Atm	017-315-06	4		
315	10 Atm	017-315-10	4		
355	6 Atm	017-355-06			
355	10 Atm	017-355-10			
400	6 Atm	017-400-06			
400	10 Atm	017-400-10			





## Clamp Saddles



## Clamp Saddles

Description	Nom Dia (mm/Inch)	Code	Pack	No. of Bolts
20 x 1/2"		015-020-02	200	2
25 x 1/2"		015-025-02	160	2
25 x 3/4"		015-025-03	160	2
32 x 1/2"		015-032-02	112	2
32 x 3/4"		015-032-03	112	2
40 x 1/2"		015-040-02	112	2
40 x 3/4"		015-040-03	112	2
40 x 1"		015-040-10	112	2
50 x 1/2"		015-050-02	96	2
50 x 1/2"		915-050-02	96	4
50 x 3/4"		015-050-03	96	2
50 x 3/4"		915-050-03	96	4
50 x 1"		015-050-10	96	2
50 x 1"		915-050-10	96	4
63 x 1/2"		015-063-02	48	4
63 x 3/4"		015-063-03	48	4
63 x 1"		015-063-10	48	4
63 x 1 1/2"		015-063-12	40	4
63 x 2"		015-063-20	40	4
75 x 1/2"		015-075-02	48	4
75 x 3/4"		015-075-03	48	4
75 x 1"		015-075-10	48	4
75 x 1 1/2"		015-075-12	40	4
75 x 2"		015-075-20	40	4
90 x 1/2"		015-090-02	20	4
90 x 3/4"		015-090-03	20	4
90 x 1"		015-090-10	20	4
90 x 1 1/2"		015-090-12	26	4
90 x 2"		015-090-20	26	4
110 x 1/2"		015-110-02	24	4
110 x 3/4"		015-110-03	24	4
110 x 1"		015-110-10	24	4
110 x 1 1/2"		015-110-12	25	4
110 x 2"		015-110-20	25	4
125 x 1/2"		015-125-02	24	4
125 x 3/4"		015-125-03	24	4
125 x 1"		015-125-10	24	4
125 x 1 1/2"		015-125-12	20	4
125 x 2"		015-125-20	20	4
160 x 1/2"		015-160-02	10	6
160 x 3/4"		015-160-03	10	6
160 x 1"		015-160-10	10	6
160 x 1 1/2"		015-160-12	8	6
160 x 2"		015-160-20	8	6
160 x 3"		015-160-30	8	6
200 x 1/2"		015-200-02	8	6
200 x 3/4"		015-200-03	8	6
200 x 1"		015-200-10	8	6
200 x 1 1/2"		015-200-12	8	6
200 x 2"		015-200-20	8	6
200 x 3"		015-200-30	7	6
200 x 4"		015-200-40	6	6
250 x 1/2"		015-250-02	6	6
250 x 3/4"		015-250-03	6	6
250 x 1"		015-250-10	6	6
250 x 1 1/2"		015-250-12	6	6
250 x 2"		015-250-20	6	6
250 x 3"		015-250-30	6	6
250 x 4"		015-250-40	6	6

## Easy Connecting Directions for Compression Fitting

1



1

Rasp the tip of the pipe in diagonal form.

2



2

Separate the fitting components and mount the nut and split-ring on the pipe in the proper direction, respectively.

3



3

Push and twist the pipe into the body in a way that it passes through the bushing and O-ring. Make sure that the tip of the pipe meets the inner edge of the body. Lubricating the pipe and O-ring will help.

4



4

Push the split-ring inward till it touches the bushing. You may widen the split slightly for easier movement.

5



5

Wind the nut with hand and tighten it with proper wrench.





## Compression Fittings (PP, Copolymer)



Description	Nom Dia (mm)	Code	Pack
<b>Ball Valve Threaded Male</b>	1/2"	058 - 015 - 02	400



Description	Nom Dia (mm)	Code	Pack
<b>Adjustable Bubbler-barded</b>	1/2"	110 - 016 - 00	100



Description	Nom Dia (mm./inch)	Code	Pack
<b>Nipple High Impact Resistance Polyacetal</b>	1/2 x 1/2"	053 - 102 - 02	1000
	3/4 x 3/4"	053 - 103 - 03	600
	1 x 1"	053 - 110 - 10	300
	1 1/4 x 1 1/4"	053 - 111 - 11	200
	1 1/2 x 1 1/2"	053 - 112 - 12	140
	2 x 2"	053 - 120 - 20	84



## Micro Irrigation Lateral Line Fittings (PP Copolymer)



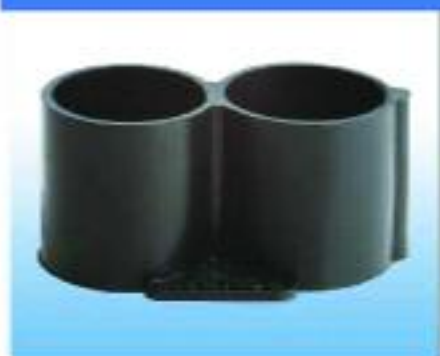
Description	Nom Dia (mm/Inch)	Code	Pack
Male Connector (Barbed-Threaded)	16 x 1/2"	055 - 016 - 00	1200
	12 x 1/2"	055 - 012 - 00	1500



Description	Nom Dia (mm)	Code	Pack
Straight Coupling (Barbed)	16 x 16	052 - 016 - 00	2000



Description	Nom Dia (mm)	Code	Pack
90° Tee (Barbed)	16 x 16 x 16	054 - 016 - 00	1100



Description	Nom Dia (mm)	Code	Pack
Line End	16	056 - 016 - 00	1200





## Polyethylene Pipes (PE-HD , PE-LD) DN 16 -160 mm

ND (mm)	Thickness (mm.)	(PN) atm	Length (m)	W (kg/m)
16	1.4 +0.4	4	400	0.064
20	1.8 +0.4	10	100	0.107
25	1.8 +0.4	6.3	100	0.137
25	1.9 +0.4	10	100	0.144
32	1.9 +0.4	6.3	100	0.187
32	2.4 +0.5	10	100	0.232
40	1.9 +0.4	6.3	100	0.239
40	3 +0.5	10	100	0.356
50	2.4 +0.5	6.3	100	0.374
50	3.7 +0.6	10	100	0.549
63	3 +0.5	6.3	100	0.58
63	4.7 +0.7	10	100	0.873
75	3.6 +0.6	6.3	100	0.828
75	5.6 +0.8	10	100	1.24
90	4.3 +0.7	6.3	100	1.18
90	6.7 +0.9	10	100	1.77
110	5.3 +0.8	6.3	100	1.77
110	8.1 +1.1	10	100	2.62
125	6 +0.8	6.3	50	2.27
125	9.2 +1.2	10	50	3.37
160	7.7 +1	6.3	6	3.72

PE pipes for water conveyance and under pressure irrigation systems (**PE-LD & PE-HD**)

- Having national quality certificate
- In accordance with DIN 8074



### • *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.*

