

# POLIRAN

## Large-Size Polyethylene Butt-fusion and Push-Fit Pipe & Fittings 200 & 250 mm



- In accordance with national standard INSO 13822 and INSO 14427
- Relief from the problems of handmade fittings
- Utilization of Iranian knowledge and experience along with modern world technology
- Reduction of the number of sewage collection lines and consequently a reduction in initial and execution costs
- A suitable solution for collecting main sewage lines in high-rise and large-scale construction projects

Determining the size of main Drainage System collection lines in high-rise and large-scale construction projects is considered one of the common challenges and problems for engineers and contractors.

The absence of pipes and fittings with sizes larger than 160 millimeters leads to an increase in the number of collection lines, which, in addition to imposing higher costs, reduces the useful and available space for the installation of other mechanical systems.

For the first time in Iran, Poliran has produced push-fit pipes and fittings with a size of 200 millimeters, as well as polyethylene fittings with sizes of 200 and 250 millimeters, manufactured by injection molding with PE100 raw material and working pressures of 6 and 10 bar, and has offered them as a suitable solution for use in Drainage System collection networks in large-scale projects.

Previously, fittings up to the size of 160 millimeters were produced by molding, and larger sizes are produced by handmade method. The production of large-sized handmade polyethylene fittings, in addition to higher costs and longer production time, increases the likelihood of clogging in the long term due to the presence of welding bead and the lack of sealing during testing.



### Competitive advantages of molded welded polyethylene fittings size 200 and 250 compared to handmade fittings :

- Reliability during testing and system operation
- Possibility of testing up to 15 bar pressure
- Much lower cost compared to handmade fittings
- Very short production time
- No welding protrusion in the joint
- Completely smooth and polished inner surface
- Fully standard dimensions and angles
- Longer service life
- Proper appearance

Exclusive produced 45 - degree Tee fittings, sizes 200 and 250 millimeters, made of polyethylene

[www.poliran.org](http://www.poliran.org)

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**Single & Double Socket Pipes**

200  
50, 100, 200, 300 cm

**45° Branch**

200

**45° Reducing Branch**

200 / 160

**45° Elbow**

200

**Reducer**

200 / 160

**clean out**

200

**Branch 45°**

200, 250 10 Bar

**Branch 90°**

200, 250 6 & 10 Bar

**Reducing Branch**

200/110, 200/160, 250/200  
6 & 10 Bar

**90° Elbow**

200, 250 6 & 10 Bar

**45° Elbow**

200, 250 6 & 10 Bar

**Reducer**

200/110, 200/160 6 & 10 Bar  
250/160, 250/200 10 Bar

**Long Coupling**

200, 250 10 Bar

**Welded Cap**

200 10 Bar

**Welded Flange**

180, 200, 225, 250, 315  
6 & 10 Bar

**Selected Projects Equipped with Poliran Large-Size Pipes and Fittings**

1- Barkat Hospital 2- Shahid Kharrazi Housing Complex- 9000 Units  
3- 1000-Bed Shariati 2 Hospital 4- Iran Mall 5- Telecommunications Tower  
6- Atiyeh 2 Hospital 7- Araz Hotel (5-star) 8- Noor Specialized Hospital

