

SHK[®]

HDPE Pipes & Fittings

SIZE : 20 MM TO 450 MM



SHK[®] EF⁺

ElectroFusion Fittings

**MOST ADVANCED
JOINTING METHOD
IN
PIPING SYSTEM**

SIZE : 20 MM TO 450 MM



SHK SPIGOT FITTINGS



ISO 9001 - 2015 certified company



SHK Polymers Industries

www.shreeharikrishna.net

COMPANY PROFILE

This is an era of transforming our utilization by using the most efficient products. So, with an aim of providing more sustainability in the field of pipes and fittings which plays a very vital role in the quality & safety purpose, SHK POLYMER INDUSTRIES, a trustable brand and a leading Manufacturer of PPR-C Pipes & Fittings and HDPE Pipes & Fittings, are here to provide you the best manufactured pipes using the Raw Material procured from the most reliable sources in the world.

SHK Polymers Industries is an ISO 9001-2008 certified company having an experience of more than 40 years. SHK Polymers Industries are into the manufacturing of HDPE Pipes & Fittings which are quite in demand for Water Supply, Effluent Supply, Drainage applications, Chemicals Supply & Casing over Electrical Cables. SHK HDPE Pipes are according to the standards of IS 4984 sizing from 20 mm to 450 mm in all the grades and Pressure Ratings mentioned in Indian Standards.

We also provide a wide range of PPR-C pipes in terms of Size (16 mm to 400 mm) and in terms of Pressure (PN 6 to PN 20) as per IS 15801:2008 and all the Fittings are manufactured as per DIN 15962. SHK Polymers Industries has a phenomenal Manufacturing Facility for PPR-C Pipes & Fittings which are currently the best replacement of any kind of pipes for Hot/Cold Water Supply, Compressed Air, Chemical Supply & Clean Water Supply.

INFRASTRUCTURE



We have with us well developed infrastructure facilities that include advanced technology based machinery and a Specialized Research & Development Unit. We have Multiple Extrusion and Injection Moulding Units for HDPE Pipes & Fittings. This helps us to achieve columnous and qualitative production. Our plant is equipped with the most sophisticated & advance machineries to manufacture the products confirming to the standards laid down by Indian and International standard requirements and well equipped with in-house Testing & Quality Assurance Facilities.



APPLICATIONS

- Water Supply Scheme
- Sewage Piping System
- Chemical Industries
- Plant Effluent disposal
- Waste Water Disposal pipeline
- Lift Irrigation system
- Agricultural
- Fuel Gas Distribution
- Construction industry
- Electrical cable ducting
- Marine & Dragging piping

FEATURES & CHARACTERISTICS

- Corrosion resistance
- Light weight & Flexible
- Impact resistance & Tough, Durable
- Smooth surface-Low pipe friction losses
- Long service life
- Low electrical conductivity
- Environmental friendly
- Good weldability
- Easy to install with butt fusion welding
- Easy to install with Electro fusion technique

ADVANTAGES

- Long track record of excellent performance, approaching 50 years worldwide
- High impact and breakage resistance
- High resistance to chemicals, corrosion, decaying and abrasion.
- Higher durability & advantage of easy installation and transport without material loss.
- High resistance to direct sunlight (UV resistance for long time).
- High Stress Crack Resistance prevents inching growth of cracks.



SHK[®] EF⁺

ElectroFusion Fittings

SHK Polymers Industries are into the Manufacturing of SHK EF Electrofusion Fittings which are designed to provide high efficiency during the Welding Process, Maximum Joint Integrity, a very Easy Installation Process and a Service Life of more than 25 years after Installation.

ADVANTAGES

- Less Man Power Required for Jointing
- Very Quick Installation
- Light in Weight
- Accurate Joints
- No Joint Contamination Problem
- No Leakage Chances

JOINTING PROCESS

Electrofusion welds are performed by attaching a controlled power supply to the electrofusion fitting. There are typically two modes of operation.

- Constant voltage
- Constant current

Constant voltage is typically used for high pressure pipelines such as mains gas and water. Fittings are fitted with a barcode specified to an ISO standard. Typically fittings will be welded at 39.5v, but Installation Team can choose voltages in whole numbers from 8 to 48v. The welding time is specified on the label in seconds or minutes

TYPES OF FITTINGS



COUPLER



ELBOW



REDUCER



TEE



SADDLE

APPLICATIONS

- Drinking Water
- Waste Water
- Gas line
- Power Line
- Renewable Energy
- Chemical Supply
- Agricultural Water Usage
- Marine Based Applications
- Jal Jeevan Mission Schemes for Water Supply

COUPLERS

1. Wash pipe ends to create clean surfaces for joining
2. Square pipe ends to facilitate optimal fit-up
3. Clean area where coupler will be placed with isopropyl alcohol
4. Mark the pipes slightly beyond half the length of the coupler, to indicate where scraping will take place in later steps
5. Mark the area to be scraped
6. Scrape pipe in marked areas to remove surface layer, allowing clean pipe material to contact the coupler
7. Examine scraped area thoroughly, making sure that fresh pipe material is exposed throughout area
8. Insert pipe ends into coupling to appropriate depth
9. Secure coupler using clamp
10. Connect fitting to control box using electrical leads
11. Apply fusion cycle
10. Allow joint to be undisturbed during the cooling period
13. Pressure test pipe
14. Back fill pipe with appropriate contents & Begin service

TAPPING TEE

1. Wash pipe area to be joined to create clean surfaces for joining
2. Clean area where tapping tee will be placed with isopropyl alcohol
3. Mark the pipes slightly beyond the edges of the tapping tee location
4. Scrape pipe in marked areas to remove surface layer, allowing clean pipe material to contact the tapping tee
5. Examine scraped area thoroughly, making sure that fresh pipe material is exposed throughout area
6. Place tapping tee onto joint
7. Secure tapping tee using clamp
8. Connect fitting control box using electrical leads
9. Apply fusion cycle
10. Allow joint to be undisturbed during the cooling period
11. Pressure test pipe
12. Back fill pipe with appropriate contents
13. Begin service



SPIGOT FITTINGS

Sizes: 125 mm to 315 mm

SHK Polymers Industries are into the Development of Spigot Fittings for HDPE and PPR-C Pipes which will ultimately increase the Length of the Fittings giving it provision for Jointing Process like Electrofusion and Socket Fusion Types of Joints for Large Diameter Pipes.



COMPRESSION FITTINGS

20mm x 1/2"
25mm x 3/4"
32mm x 1"
40mm x 1 1/4"
50mm x 1 1/2"
63mm x 2"
75mm x 2 1/2"
90mm x 3"
110mm x 4"

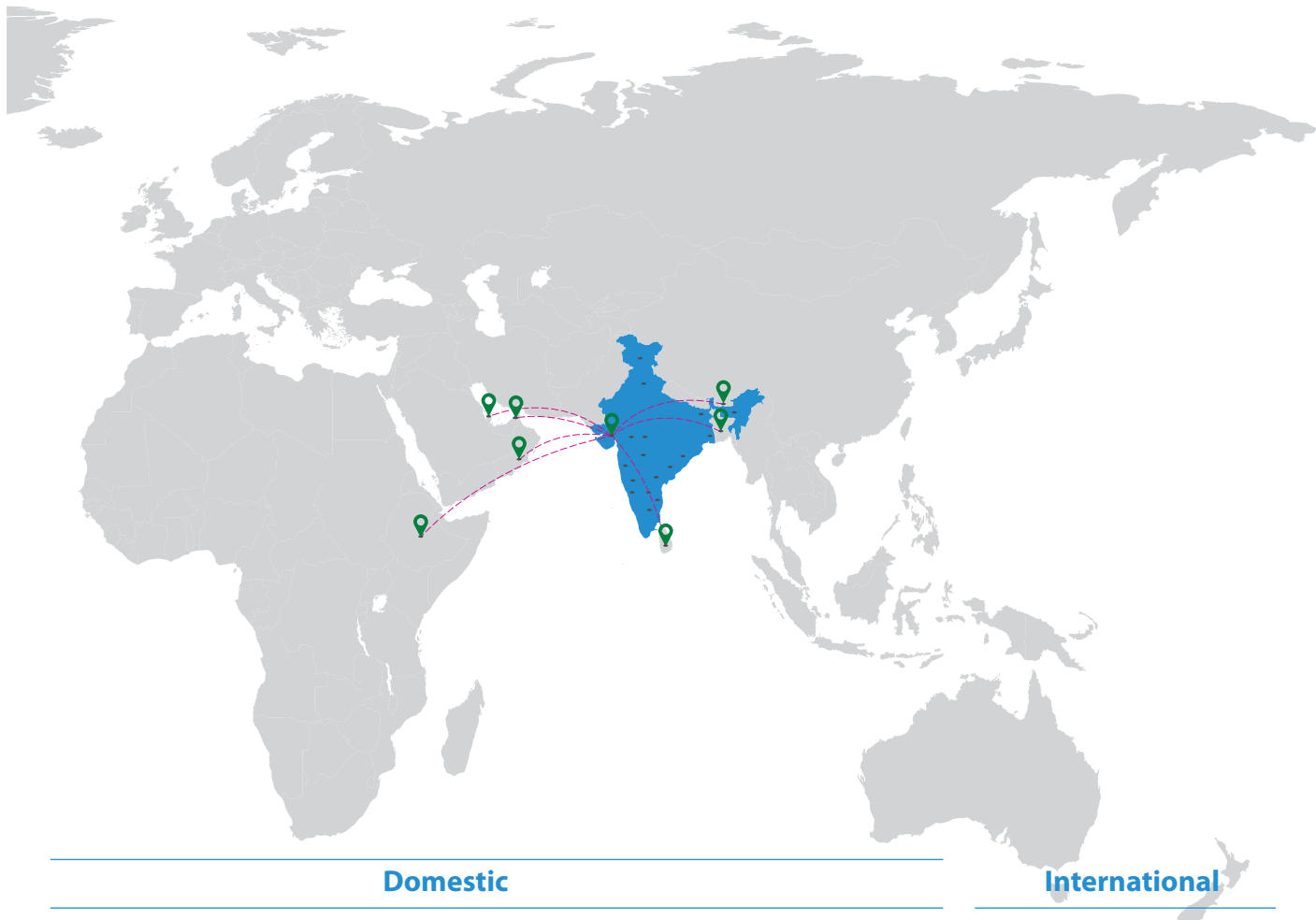


PP SERVICE SADDLE

32 mm x 1/2"	32 mm x 3/4"	-
40 mm x 1/2"	40 mm x 3/4"	40 mm x 1"
50 mm x 1/2"	50 mm x 3/4"	50 mm x 1"
63 mm x 1/2"	63 mm x 3/4"	63 mm x 1"
75 mm x 1/2"	75 mm x 3/4"	75 mm x 1"
90 mm x 1/2"	90 mm x 3/4"	90 mm x 1"
110 mm x 1/2"	110 mm x 3/4"	110 mm x 1"
125 mm x 1/2"	125 mm x 3/4"	125 mm x 1"
140 mm x 1/2"	140 mm x 3/4"	140 mm x 1"
160 mm x 1/2"	160 mm x 3/4"	160 mm x 1"
180 mm x 1/2"	180 mm x 3/4"	180 mm x 1"
200 mm x 1/2"	200 mm x 3/4"	200 mm x 1"
225 mm x 1/2"	225 mm x 3/4"	225 mm x 1"
250 mm x 1/2"	250 mm x 3/4"	250 mm x 1"
280 mm x 1/2"	280 mm x 3/4"	280 mm x 1"
315 mm x 1/2"	315 mm x 3/4"	315 mm x 1"



OUR NETWORK



Domestic

- 1) Ahmedabad
- 2) Baroda
- 3) Ankleshwar
- 4) Dahej
- 5) Panoli
- 6) Surat
- 7) Vapi
- 8) Diu and Daman
- 9) Morbi
- 10) Rajkot
- 11) Gandhidham
- 12) Aurangabad
- 13) Kolhapur
- 14) Pune
- 15) Mumbai
- 16) Boisar
- 17) Vasai

- 18) Solapur
- 19) Ahmednagar
- 20) Bhuj
- 21) Selvasa
- 22) Icchhalkaranji
- 23) Dhule
- 24) Nagpur
- 25) Nashik
- 26) Indore
- 27) Bhopal
- 28) Belgaum
- 29) Bangalore
- 30) Mangalore
- 31) Mysore
- 32) Chennai
- 33) Coimbatore
- 34) Dindigul

- 35) Madurai
- 36) Cochi
- 37) Goa
- 38) Hyderabad
- 39) Secunderabad
- 40) Kolkata
- 41) Siliguri
- 42) Guwahati
- 43) Jammu
- 44) Kashmir
- 45) Leh
- 46) Delhi
- 47) Patna
- 48) Vizag
- 49) Chandigarh

International

Countries

- 1) Sri Lanka
- 2) Bangladesh
- 3) Bhutan
- 4) Dubai
- 5) Qatar
- 6) Oman
- 7) Ethiopia



SHK Polymers Industries

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