



UNIDELTA was established in 1973 as a manufacturer of high and low-density polyethylene and cross-linked polyethylene pipes for water and gas mains, irrigation systems, fire prevention systems, civil and industrial drainage systems, domestic water distribution and radiant heating. Over the years UNIDELTA product range has increased substantially, but the main focus remains the production of Unidelta compression fittings and clamp saddles for jointing with polyethylene pipes that convey fluids under pressure.

These fittings are fully compatible with all PELD, PEHD, PE40, PE80 and PE100 pipes complying with EN 12201, (SANS) ISO 4427, ISO 14236, ISO 13460, and DIN 8074 and currently hold the SANS 14236 mark. The saddles can also be used on all SABS 966 PVC pipes and will be tested in accordance to SANS 1808-44 soon. We are confident that this is a mere formality and look forward to attaining the mark.

The quality of the materials used, makes these fittings resistant to etching by numerous chemical substances and to UV-rays. The product range includes compression fittings PN 16 bar (coupling, reducing coupling, male and female adaptor, 90° tee, 90° tee with threaded male and female take off, 90° elbow, 90° elbow with threaded male and female take off and with lateral threaded female take off, flanged adaptor, end plug, 90° reducing tee; repair slip coupling, female tee with peg fitting, 90° tee with increased take off, wall plate elbow fitting); transition compression fittings PN 16 bar (male and female adaptor and 90° elbow male) and universal transition coupling PN 10 bar used to connect systems using PE metric piping with existing pipes made of any material, with external diameters of 15-34 mm. The range also includes clamp saddles PN 10bar and PN 16 bar, single and double, with and without reinforcing ring.

In the 2005 Unidelta presented DeltOne, the new compression fitting for big diameter (75, 90 and 110 mm), and 63mm added in 2016 to the market. DeltOne was the result of the innovation process brought by the continuous improvement of the whole company - this makes UNIDELTA a dynamic and customer orientated reality. DELT-ONE makes the installation easier and faster while ensuring the traditional UNIDELTA quality certified by the most prestigious international and national Institutes.

The main DeltOne advantages are:

- ✓ It is FASTER and EASIER to install, even in difficult working conditions.
- ✓ 100% safety in the knowledge that the pipe has reached the internal fitting stop as it is possible to see it.
- ✓ The best hydraulic seal resulting from the usage of the o-ring typical of the UNIDELTA compression fitting that is safely pushed in its right position.
- ✓ The best mechanical seal resulting from the peculiar design and the mechanical pushing system of the fitting internal rings that allow a perfect grip on the pipe in whichever condition.
- ✓ In particular situations – i.e. when the pipe is extremely oval – DELT-ONE can also be installed as with the traditional UNIDELTA compression fitting.



* The ring nut (1a), the clamping ring (1b) and the bushing (1c) are joined in a single element to facilitate assembly of the fitting onto the pipe.



Unidelta expanded the clamp saddles range with the addition 200 mm. So, now the range includes also clamp saddles with reinforcing ring of:

- **200x3/4 and 200x1 PN 16 bar**, 200x1-1/4, 200x1-1/2, 200x2, 200x2-1/2, 200x3, 200x4 PN 10 bar.

There are also plans to further expand this range to include even bigger dimensions.

Currently Astore Africa is the only company, in South Africa to supply (**200x3/4 and 200x1**) saddles in 16 Bar rating

All the information on the Unidelta products please contact or Compression Fittings Manager Aldrin Velan or e-mail us on info@astorekeymak.com