

Test Ends

A quick, safe and cost effective means of pressure testing and purging coiled PE pipe.

For many years Steve Vick International have been supplying the Test Ends used when testing PE pipe and when PE pipe is purged of air with gas. Whilst predominantly used for Live Mains Insertion they are also very useful when pressure testing PE pipe after a Dead Mains Insertion and can be made for larger sticks of pipe above 180 PE.

Development

Developed to be re-usable the Test Ends will inevitably be cheaper than continuously electro-fusing end caps and top tee's that are thrown away once used. With the recent additions to specifications regarding coiled PE on coil trailers an eyelet has been integrated into our Test End to allow a 'D-Shackle' and ratchet strap to be fitted for securing the tail end of the coiled PE to the trailer. All sizes of Test Ends are designed to withstand an internal pressure of 16 bar without any additional bracing or strutting. The Test End comes with a 1" ball valve on all sizes to allow a controlled purge and test.

Installation

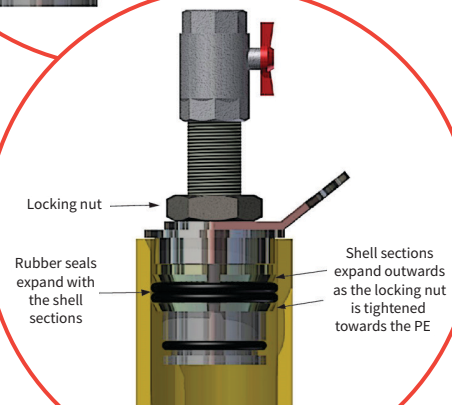
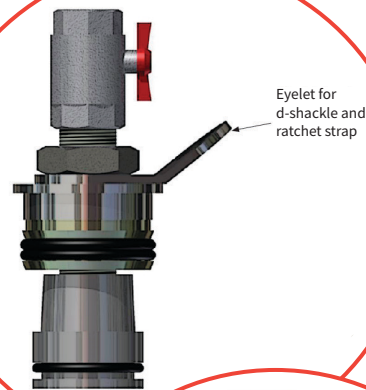
Simple and quick to install The Test Ends are simply inserted flush into the end of the PE.

As the Test End is tightened the 'Vick' expanding internal gripper design bites into the wall of the PE and forces the rubber O-rings to create a gas tight seal.

Once fully hand tightened pressure testing can take place which actually forces the shell segments tighter into the PE wall — in effect the higher the pressure the tighter the grip.

Assembly on all sizes for connecting onto a purge assembly to safely release test pressure and for purging out air with gas.

For Live and Dead Mains Insertion



Test Work Summary

The test Ends were rigorously tested in the mid 1980's when initially developed. Below is a summary of Test Work carried out (report available).

Loading Testing

Even though Test Ends should never under go pulling forces the Test End gripping mechanism underwent a series of tension tests to observe when they would shear.

Results indicated the MDPE pipe will YIELD with the Test End still attached.

Pressure Test

A range of Test Ends underwent hydraulic tests to indicate when the seal would be compromised under extreme internal pressure testing.

Results indicated the MDPE pipe will BURST with the Test End still attached.

Sizes available from Steve Vick International. (Larger sizes available on request)



Size - mm	SDR11* Part No.	SDR17 Part No.	SDR21 Part No.
55	408055	409055	
63	408063	409063	
75	408075	409075	409064
90	408090	409090	409100
110			409110/21
125	408125	409125	409101
140	408140	409140	
180	408180	409180	409180

* SDR11 Test Ends will accommodate SDR13.6 PE Pipe.

About Steve Vick International

We are experts in innovative engineering for trenchless renovation and decommissioning of pipes worldwide.

Since our foundation in 1981, we have been dedicated to delivering cost-saving solutions for damaged, redundant or outdated underground pipe work. We are at the forefront in developing products and techniques across gas, water, nuclear and contract service sectors on a worldwide basis.

We are proud of our reputation for innovative product development, strong technical support and after sales care.

For more information on any of the products and services featured here, please contact: info@stevevick.com



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