

PIPE EXPANDER



The Pipe Equipment range of Pipe Expanders has been specially designed to revert back to size or reshape the end of a PE pipe which has had its diameter deformed or reduced by Swaging, Roll Down or a Folded pipe process. They can also be used to expand a pipe end for jointing purposes.

The Expander consists of a core section which is made of up to eight segments. These segments expand radially outwards when acted upon by the hydraulic cylinder. They are available to suit pipes from 2" (51mm) upwards.

This well proven product has been designed to work on both MDPE and HDPE pipes of any wall thickness. All metal parts are manufactured from high quality steels and are zinc plated for corrosion protection. Wearing parts are heat treated for maximum strength and wear resistance.

The diameter of the Expander can be increased by the addition of 'Shells', which are fitted to the Expander core using the screws supplied. Any number of Shells can be 'stacked' onto an Expander core, this enables one Expander to be used on a large number of PE pipe sizes.

MODE OF OPERATION

The Expander is positioned in the end of the pipe and by operating the hydraulic pump the cylinder pulls the end plates together which in turn move the segments radially outwards. This increases the diameter of the pipe for a length corresponding to the expander core.

MAJOR FEATURES

- Simple and quick to operate
- One Expander can be used for a large number of pipe sizes
- Extensive size range
- Extremely robust
- All wearing surfaces heat treated for maximum wear resistance
- Supplied in strong metal box

PIPE INSERTS

Pipe Inserts are also available from Pipe Equipment Specialists.

OTHER PRODUCTS

A number of other products have been developed using the Expander principle. One of these is the Service Tapping/Plug Remover. This product works by pushing out into the surrounding ground any Service Tappings or Plugs that protrude through the wall of a pipe that is about to be inserted with PE, thereby removing possible obstructions without the need to excavate. Details are available upon request.

The company follow a policy of continuous product development and as such reserves the right to make alterations to equipment and techniques without prior notice.

PIPE EQUIPMENT SPECIALISTS LTD

66 DUKESWAY, TEESIDE INDUSTRIAL ESTATE, THORNABY, STOCKTON-ON-TEES, TS17 9LT, ENGLAND

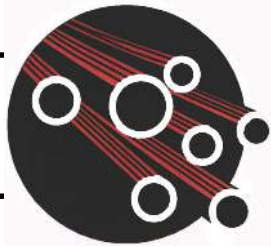
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Certificate Number: 1253

WP/TIS/PE/0515

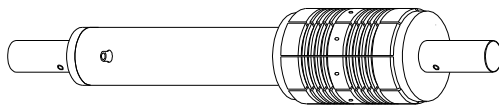


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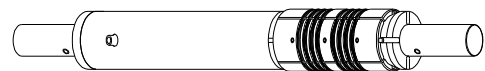
SIZE RANGE

PART	No. OF SEGMENTS	CORE DIAMETER	CORE LENGTH	EXPANDED DIAMETER (A)	EXPANSION	CYLINDER FORCE
026052	4	52mm	165mm	68mm	16mm	11 TONNES
026075	4	75mm	165mm	104mm	29mm	11 TONNES
026115	4	115mm	165mm	175mm	60mm	11 TONNES
0268115	8	115mm	175mm	175mm	60mm	23 TONNES
026178HD	4	178mm	162mm	224mm	46mm	23 TONNES
0268245	8	245mm	203mm	300mm	55mm	33 TONNES
026452	8	452mm	325mm	555mm	103mm	60 TONNES
0261452	8	452mm	325mm	555mm	103mm	102 TONNES

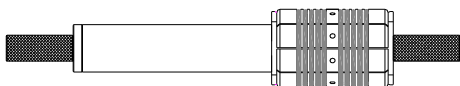
8 Segment Expanders



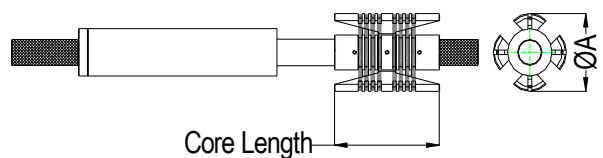
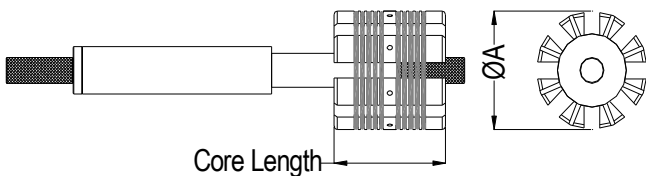
4 Segment Expanders



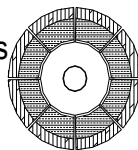
Core Unexpanded



Core Expanded



Example With 115 x 178 Shells
And 178 x 228 Shells Fitted



Example With 75 x 125 Shells
And 125 x 164 Shells Fitted



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